

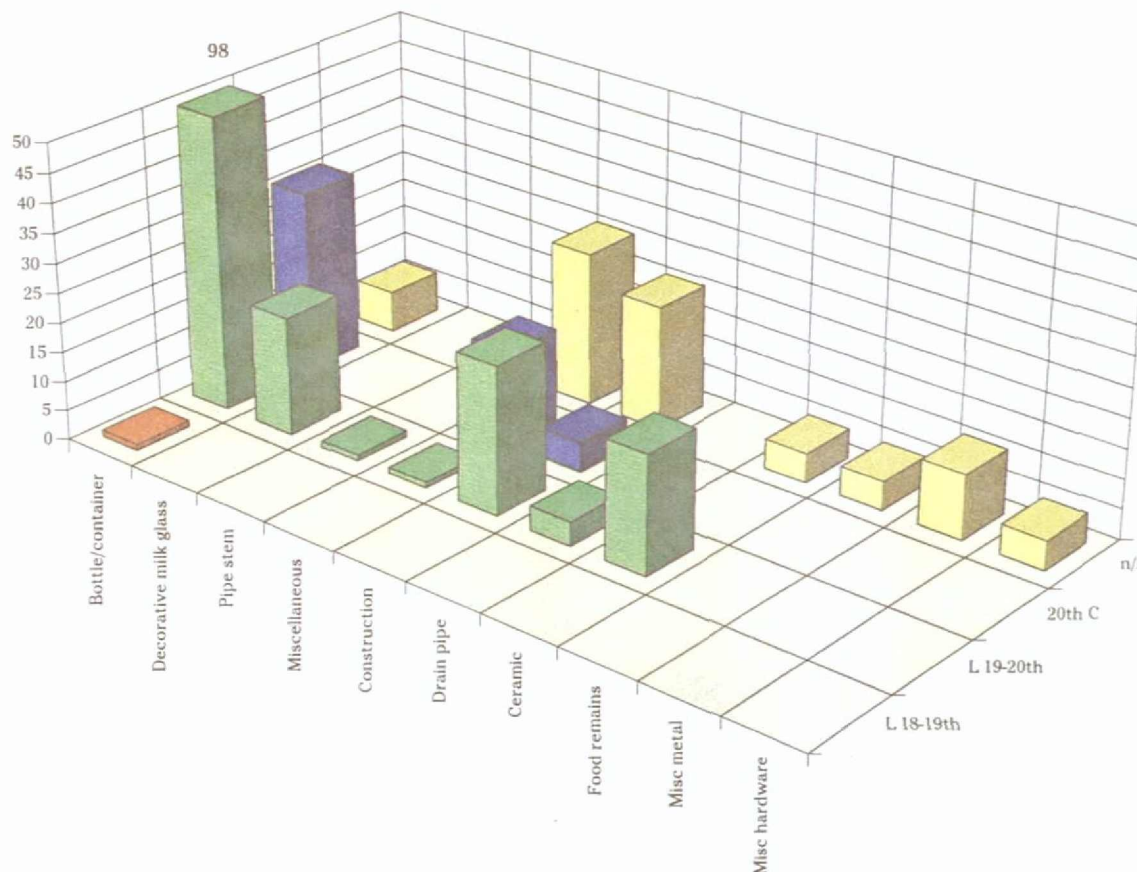
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The Stage IB Cultural Resource Survey of the Flushing Manor Geriatric Center, Flushing, Queens County, New York.

(Block 5014, Lot 4 and Lot 86)

CEQR Project No. 93-012-Q



Prepared for:

Environmental Project Data Statements Company
Hiram A. Rothkrug, Director.
488 Great Neck Rd. Great Neck, NY 11021.

Prepared by:

Joel W. Grossman, Ph.D., Principal Investigator.
Grossman and Associates, Inc.
201 East 16th Street.
New York, NY. 10003

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December 17, 1993.

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New York, NY. 10003

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List of Contributors

Principal Investigator:	Joel W. Grossman, Ph.D. SOPA
Field Crew:	Michael Gallagher Alexandra Mack George Myers, Jr. Victor M. Ortiz Nancy A Stehling, SOPA
Digital Cartography:	George Myers, Jr.
Computer Rendered Profiles, Data Base Management, Graphics and Desktop Publishing:	Victor M. Ortiz
Laboratory Director:	Nancy Stehling, M.S. SOPA.
Laboratory Assistant:	Alexandra Mack.
Report Editors:	Michael Gallagher. Nancy Stehling, M.S. SOPA.
Field and Artifact Photography:	Joel W. Grossman, Ph.D

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Stage IB Presence and/or Absence Testing Results for the Flushing Manor Geriatric Center, Flushing, Queens, New York (CEQR 93 - 012 - Q)

I. Executive Summary:

As mandated by the Landmarks Preservation Commission, the Stage 1B Presence and Absence testing program was undertaken over a two day period in the rear lot areas (Lots 4 and 86) in Block 5014 to establish the presence of either prehistoric or historic remains within the proposed impact area of the planned Flushing Manor Geriatric Center, in Flushing, Queens, New York (CEQR No. 93-012Q) (See Figure 1). As a result of the previously completed Stage 1A Archaeological Sensitivity Evaluation of the project parcels (Grossman 1993) which highlighted the potential prehistoric sensitivity of the area and the lack of any documented past disturbance to the rear yard portions of both lots, a limited archaeological testing program was initiated based on the proximity of known archaeological sites (Grossman 1993, Beauchamp 1900, Parker 1920), the proximity of an old Indian trail (Bolton 1922), now Northern Blvd., and the environmental setting of the project area.

The actual archaeological field testing program was conducted in both lots using a total of 21, ten inch diameter power auger probes, drilled in a grid system at ca. 25 foot intervals to an average depth of ca. 3 feet. Each of the auger borings was measured and graphically rendered to provide stratigraphic profile cross section coverage. Both lots exhibited the same general soil stratigraphy, a one foot thick surface deposit of dark brown organically stained soil over an underlying deposit of light tan sands and gravel deposits of glacial origin. Two culturally relevant exceptions to this general pattern were the identification of a east-west band, or lens, of buried ash, coal, and cinder which ran parallel to the northern fence line of Lot 4, in line with the former 20th century driveway and garage in the northwest corner of Lot 4. The second exception, identified in auger hole (AH 1-1) in Lot 86, consisted of a localized ca. 1 foot deep and .8 foot thick deposit of mixed historic late 19th and 20th century refuse which yielded a single 18th century bottle lip fragment, a kaolin pipe stem fragment, several small sherds of mid to late 19th century transfer printed whiteware, and larger quantities of 20th century glass and other contemporary modern cultural materials. This limited deposit was absent in all other auger holes and was not encountered elsewhere in Lot 86 or Lot 4. Taken together, the stratigraphic profiles and the identified cultural items, suggest that the buried yellow sand layer represents the original historic and/or prehistoric surface, and that the overlying organic surface deposit represents the accumulation of 20th century debris from gardening and/or modern basement construction-related back dirt accumulation.

The contents of all auger borings were screened during the fieldwork, and processed in the laboratory, which involved the washing, sorting, inventory, and computer tabulation of all recovered cultural materials. This effort resulted in the recovery of a total of 764 items of predominantly late 19th and 20th century origin. Specifically, 42% of the diagnostic materials dated to the late 19th through the 20th century and an additional 20% of the total dated exclusively to the 20th century. No prehistoric cultural material (flakes, cores, milling stones, projectile points, or evidence of fire cracked rock) were recovered. Despite the recovery of one 18th century bottle fragment, and two historic kaolin pipe stem fragments, the majority of the recovered cultural materials were clearly datable to the late 19th and 20th centuries and appeared to have post-dated the period of the historic Parsons Nursery, of which the project area lots were a part during the first half of the 19th century (See Figure 2). No identifiable historic structural remains or features were encountered, or suggested by the contents of the auger probes.

Based on the results of this presence or absence testing program, the stratigraphy encountered, and the nature and time range of the identified artifacts, no additional archaeological investigation is hereby recommended.

II. Project Description:

This testing program was developed in compliance with the current New York City Environmental Quality Review Process (CEQR) and New York City Landmarks Preservation Commission (LPC) standards and procedures. In addition, this Stage 1B strategy was prepared so as to conform to the standards of the Section 106 of the National Historic Preservation Act of 1966 (as amended, and its implementing regulations, 36 CFR Part 800) and the New York State SEQRA review process to meet the standards of the Department of the Interior (35 CFR Part 66).

The general study area derives its potential archaeological sensitivity from the fact that it not only lies in the vicinity of previously documented Native American remains belonging to the pre-contact and contact period occupation and resource processing activities, but also has a documented historic sensitivity dating back to the late 1600's.

The Stage 1A report (Grossman 1993) identified the project parcels as being potentially archaeological sensitive due to the high concentration of Native American sites located in the immediate vicinity. These sites included a major village, camp sites, burial sites, and a major Indian trail (Northern Blvd.). Relatively low historic sensitivity was projected due to the relatively late (early 20th century) development of the parcels as represented by historic map coverage of the area. The 20th century residential development of these parcels suggested an extremely low potential for encountering either cisterns or privies in the rear yard portions of the parcels which are generally viewed as archaeological/historic time capsules.

Accordingly, the strategy stressed investigating for the potential presence and/or absence of Native American remains. The testing strategy consisted of excavating 20 power auger test units, approximately 10 inches in diameter and 3 feet in depth, at 25 foot intervals throughout the rear yard portions of Lots 4 and 86 on Block 5014 in Flushing, Queens. This effort required two days in the field, five days to process and analyze the artifacts recovered, and four days to document the findings in a formal site report.

III. Standard Field Procedures

The excavation strategy called for the use of approximately 20 power auger probes at 25 foot intervals. The excavation of these test units utilized a power auger with a 10 inch diameter bit in combination with flat shovels and hand trowels (See Figure 7 and Figure 9). All soil was removed and screened through 1/4 inch mesh, with careful attention given to the stratigraphic sequence revealed during excavation (See Figure 8 and Figure 10).

During the course of on-site screening, preliminary segregation of fundamental artifactual and ecofactual material was performed in the field to retard decomposition and enhance data control. All stratigraphic profiles were recorded manually and key profiles were photodocumented (See Figure 11). Detailed attention was paid to changes in texture, soil structure, and the presence of inclusions such as concretions, pebbles, or cobbles and recorded in the field notes. Recordings of soil color employed the Munsell standard. Conditions of wetness or dryness were noted during color recording. All profiles were drawn on scaled graph paper. Final versions of the resultant stratigraphic profiles were rendered as color coded, computer generated, scaled, composite printouts for each transect line or area of investigation (See Figures 12 through 16).

Specific field procedures included:

- 1). The excavation of auger probes 10 inches in diameter to a depth of approximately 3 feet.
- 2). The use of manual recording of all auger probes and photographs of selected unit profile sequences, and the use of 1/4 inch screening to guarantee uniform recovery of all pertinent cultural and ecofactual materials from each defined stratigraphic deposit.
- 3). The use of field catalogues, which were integrated with the computerized field excavation records and artifact recovery records.
- 4). Photographic documentation of all task-specific field activities.
- 5). The use of appropriate storage and bagging materials for initial field and subsequent storage phase of the project.

IV. Concurrent Laboratory Procedures:

All laboratory activity was conducted in compliance with guidelines established by the Department of the Interior for the proper curation of Federally owned and administered archaeological collections (36 CFR 79 and 66). The objectives of these laboratory procedures were:

1. To prepare artifacts and samples for analysis, including wet or dry cleaning, special drying procedures, and/or special packaging or handling of samples destined for instrumental analysis;
2. To record all artifactual and contextual data in order to facilitate quantified inventory and computer tabulation by artifact functional and/or material categories.

The initial inventory and processing was intended to provide a preliminary level of quantified control on the nature, date range and number of excavated materials. At this first-cut level, laboratory procedures were restricted to cleaning, coding, quantification, and initial data entry.

A. Labeling of Artifacts

Depending on size and characteristics, artifacts were inventoried and labeled for permanent identification. These forms of labeling were:

1. Clearly visible context numbers and all other necessary information was written on the polyethylene packaging bag with a waterproof pen.
2. Acid free, long term "tyvek" waterproof labels indicating the context number, site number and the initial classification of the object or objects were placed inside the polyethylene bag, along with the artifact.

B. Formal Identification and Data Entry of Artifacts

During the concurrent laboratory phase of processing a computerized database of the artifact inventory was developed to include the following categories of information:

Context number

Count

Weight

Class

Material

Elements

Period

Comments

The artifact inventory of all recovered material appears as Appendix I.

C. Artifact Packaging and Storage

The context number initially assigned in the field to each discrete test, level, or deposit followed the artifacts through the laboratory process as the basic unit of recording and identification. Individual items were packaged, (depending on their condition), in ziplock polyethylene bags, boxes or vials, in acid-free tissue paper, or placed in acid-free boxes. Diagnostic artifacts, bulkier artifacts, as well as non-diagnostic materials, are stored in sequential context number order.

D. Photodocumentation of Artifacts

All diagnostic artifacts have been photodocumented in the Grossman and Associates, Inc. laboratory for subsequent analysis and documentation (See Figures 17 through 26).

V. Field Results:

The Stage 1B presence or absence archaeological testing program of the rear lot portions of the proposed Flushing Manor Geriatric Center parcels (Block 5014, Lots 4 & 86) was conducted over a two day period (11/30 - 12/1/1993) in accordance with the proposed scope of services and adjustments requested by the NYC Landmarks Preservation Commission. A total of 21 ten inch diameter power auger borings were drilled in both lots to an average depth of 2.5 to 3 feet below grade. While the actual depth of penetration of the tip of the auger bit extended slightly deeper, to ca. 3 feet below grade, the depth of recovery and depth of visible soil stratigraphy in each boring hole extended to, and was recordable to a depth range of 2.6 to 2.9 feet. Each auger probe was screened, measured in by tape relative to the parcel grid, and graphically profiled and recorded by characteristic soil type and Munsell color code.

The location of each of the auger probes were individually measured in for each lot investigated (See Figure 3). A total of sixteen auger borings were drilled in Lot 4, and a total of five were drilled in Lot 86. The larger of the two lots, Lot 4, the site of the current Doctors office and residence, was laid out in a north-south grid with each north-south transect line identified by a letter (A through D) at ca. 25 foot intervals, and with each boring location sequentially numbered from west to east (AH A-1, AH A-2, etc.), extending from the back of the structure to the rear, or eastern, lot line (See Figure 5 and Figure 6). In Lot 4, the two northern grid lines, Lines A and B, were each sampled using a line of four borings designated AH A-1 to A-4, and AH B-1 to B-4. The two southernmost lines, Lines C and D, each consisted of only three borings designated AH C-2 to C-4, and AH D-2 to D-4, due to the extension of the modern residence into the rear yard in this area of the parcel (See Figure 4). With minor exceptions, the actual location of each of the auger borings followed the initially projected location of the tests with the exception that several of the tests had to be off set to avoid standing trees or buried roots (See Figure 3). Finally, in addition to the

initially defined grid based sample, two additional auger probes were drilled adjacent to auger location AH A-2. The first, designated AH A-2a was blocked by near-surface roots. The second, designated AH A-2b yielded a pipe stem fragment. Based on this find, a third auger test was located, designated AH A-2c, which proved to be negative. No additional examples were recovered, and the identified soil profiles showed only the presence of a buried lens, or deposit, of mixed sheet refuse dominated by coal ash and cinder at a depth of 1.0-1.2 ft. below grade (See Figure 12).

As an important footnote to establishing the extent of the rear yard testing program, during the 1B testing phase, a visit into the basement of the modern Doctor's office provided confirmation that the main residence and office sections of the dwelling contained a full 8 foot deep basement which would have destroyed any near surface cultural deposits or features which may once have existed. The same situation, the presence of a full basement, was also confirmed for the adjacent Lot 86 structure during this field effort. Both confirmations served to validate the limitations of the archaeological testing program to only the rear lot portions of both parcels.

A total of five auger holes were drilled in the rear of Lot 86 (See Figure 9 and Figure 10). While the initially proposed sampling plan suggested a square configuration of four holes in the central northwest corner of the lot, the presence of a buried home heating oil tank at the rear of the structure, and an ill defined electrical line running between the garage and the house, mandated that the test locations be adjusted to avoid the buried oil tank and utility line. Accordingly, while three of the borings, numbers AH 1-1, AH 1-2, and AH 1-4 were located in proximity to the initially proposed test locations, two of the auger probes, AH 1-3 and AH 1-5, had to be relocated to the north and east. Auger probe 1-3 was placed next to the rear yard, or northern, fence line, and auger probe AH 1-5 was positioned between the cement driveway and the eastern fence line of the lot, providing sample coverage of the eastern side of Lot 86. Thus, while relocated to avoid subsurface utilities, the five auger borings served to provide area coverage of both the north-south and east-west axes of the rear portion of Lot 86 (See Figure 3).

A. Lot Specific Stratigraphy:

1. Lot 4:

With the exception of the northernmost borings in the A line, parallel to the northern fence line of the property, which documented the presence of a mixed lens of late 19th and 20th century refuse and furnace-coal ash, each of the auger sample profiles in Lot 4 showed a comparable vertical sequence of two primary deposits. The uppermost of these two deposits consisted of a ca. 1 foot thick homogenous surface deposit of dark organic sandy soil (10YR 3/2 - a very dark grayish brown) which was uniformly recorded with traces of coal, slag, and cinder, or "furnace ash". This surface deposit of organic leaf mold and soil ranged in thickness and depth between 0.7 and 1.2 feet below grade. No internal

stratigraphic subdivision could be identified within it, and the entire surface matrix appears to represent relatively recent 20th century garden soil.

Beneath this surface horizon of dark organic soil was a uniform basal formation of light tan to yellow sandy deposits characterized by the consistent presence of rounded water-worn gravel and cobbles, all of glacial origin. While vertical gradations were difficult to identify given the ten inch width of the auger bit, the boring profiles appear to indicate the presence of finer and more silty sandy deposits beginning between 2 to 2.5 feet below grade. The top of this glacial sand layer appears to represent the original surface interface of the 18th and 19th century historic period.

The culturally relevant exceptions to this general stratigraphic pattern were manifested by the presence of a spatially limited sheet of buried late 19th and 20 century sheet refuse along the northern edge of Lot 4 (Auger Holes AH A-1 to A-3), and by the identification of an isolated buried deposit, or lens, of late 19th and modern 20th century refuse which was found in one of the five auger borings (AH 1-1) in the rear yard of the Korean Church (Lot 86). No identifiable or discrete historic features in the form of pits, cisterns, or privies were identified, and no prehistoric Native American artifacts or features were recovered. The buried lens, or deposit, of apparently mixed late 19th century and 20th century sheet refuse was identified at a depth of 1.1 to 1.2 feet below grade as a one to two inch thick buried "surface" deposit at the interface of the surface organic deposit and the underlying glacial sand, or parent material, which underlies both parcels (See Figure 11).

The makeup of this buried sheet refuse identified in auger borings AH A-1 through A-3 was consistent in color, soil composition, and contents. The lens appeared as a west-east band parallel to the northern fence line and exhibited the same dark brown color as the overlying organically stained surface deposit with the exception that it was distinguished by the concentrated presence of chunks of furnace waste comprised of cinders, "slag", and partially burned coal fragments (See Figure 12). The lens of buried "surface" sheet refuse found in Lot 4 was restricted in extent to a ca. 25 by 60 foot long west-east band oriented parallel to, and bordering, the northern fence line of the property. The eastern and western limits of the subsurface lens of coal ash were delimited by the edge of the post-1917 dwelling and modern driveway to the west, and by the presence of a buried cement slab associated with the former garage in the northeastern corner of the property (See Figure 12). Although no longer visible on the surface, and now buried at the same depth as the ash lens, Auger Hole A-4, in the northeastern corner of the property, confirmed the presence of a cement slab which correlated with the location of the 20th century garage as depicted on the 1926-1992 Sanborn Insurance and Belcher Hyde Atlas maps (Grossman et al, 1993, Figs. 10-15). Based on the layout of the Doctor's Office and residence in Lot 4, the Sanborn Map series makes it clear that the only access to the former garage in the northeast corner of the property would have been via the north side of the property, in a line parallel to the northern

fence line, and parallel to, and overlapping with, the extent and orientation of the buried lens of coal ash and furnace waste identified in the "A" transect of auger probes. The buried upper surface of the cement garage floor was found at a depth of 0.6 ft. No data was recovered which would establish the thickness of the cement slab, but based on the relative height of the existing garage slab in Lot 86 relative to the existing rear yard surface, it is safe to assume that the thickness of the slab in Lot 4 could also have been "raised" relative to the exterior dirt driveway (See Figure 12).

Based on the uniform absolute depth, the limited extent, orientation, and comparable depth relative to the cement slab, it appears highly probable that the identified lens of buried coal ash dominated sheet refuse represents a thin sheet of late 19th and 20th century driveway related surface debris. No comparable cinder-ash lens was found in the auger transects B, C, or D (See Figures 13, 14, and 15).

Finally, as is discussed below in the artifact analysis section, given the sharp vertical stratigraphic break between the upper one foot thick organically rich soil at the surface, and the underlying yellow glacial sand, efforts were made to recover isolated samples from the two distinct horizons with the power auger probes. The first boring in Lot 4 (AH A-1) was separately sampled as two upper and lower subunits which were individually augered and screened. The lower sample from the buried yellow sand horizon, designated as Context AH A-1.02, taken from between 1 and 3 feet below grade, documented the clear presence of 20th century materials in the underlying basal deposits. The isolated auger sample from the lower sand horizon yielded four artifacts of modern 20th century origin, two fragments of post-1891 wire reinforced safety glass, one piece of red plastic, and a green sherd of bottle/container glass of probable late 19th through 20th century origin. These late 19th and 20th century items from the lower fraction of the auger hole suggest strongly that the underlying yellow sand deposit contained relatively recent late 19th and 20th century cultural materials, and does not represent as isolated mid 19th century (or earlier) occupation component (See Figure 17).

2. Lot 86:

Of the five power auger probes drilled in Lot 86, four of the units showed the same stratigraphic sequence of recent organically stained surface loam over the original light tan glacial till as was documented in Lot 4 (See Figure 16). Auger borings AH 1-2 through AH 1-5 revealed the modern dark brown surface soil extending to a depth of between 1.0 and 1.2 feet below grade with no visible internal stratigraphic subdivisions or buried lenses at the interface with the underlying glacial sands, which extended to a depth of 2.5 to 3.0 feet. However, Auger hole AH 1-1, in the southwest corner of the lot, next to the north-south fence line with Lot 4, and immediately to the west of the buried home heating oil tank, revealed the presence of a buried deposit of apparently mixed late 19th and 20th century refuse in a discrete deposit between 1.1 and 2.0 feet below grade (See Figure 11). In con-

trast to the dark brown organic surface deposit, and the light tan sand of the basal, or original pre-contact sands, this buried deposit consisted of a dark yellowish brown (10YR 3/3) refuse deposit with inclusions of coal, ash, and mixed late 19th and 20th century cultural materials. Based on its relative thickness and absolute depth, this one foot thick deposit appears to have been cut into the original sterile sandy substrate. Capped by several thin bands of sterile yellow clay and dark soil, this buried deposit of dark brown refuse appears to be restricted in extent and size to a very small area of the rear yard. To the east it was bounded by the buried oil tank, and no comparable buried deposits were encountered in the auger borings immediately to the north (AH 1-2), and none were encountered in the nearest boring in Lot 4 (AH D-4). Based on this negative evidence, and the proximity of the buried oil tank immediately to the east of AH 1-1, this buried deposit appears to be restricted to the area in the immediate vicinity of AH 1-1. It was not found associated with any extensive buried deposit of sheet refuse, and was not identified in any of the other four auger holes in Lot 86 (See Figure 3).

B. The Artifact Sample and Analysis:

The auger tests in Lots 4 and 86 yielded a total of 764 artifacts. The 16 auger tests in Lot 4 yielded a total of 462 items; the 5 auger tests in Lot 86 produced a total of 302 artifacts. The recovered cultural materials represented a mixture of predominantly late 19th century and 20th century artifacts. No Native American or prehistoric artifacts (flakes, bifaces, points, cores, ceramic sherds, milling stones, or human skeletal material) were identified. All items were inventoried, tabulated by material, artifact class, and where possible, dated. The identified artifact assemblage appears to consist of scattered debris, much of which can be dated to the 20th century (See Table XVII). Fourteen classes of artifacts are represented in the inventory. These classes are: bottle/container glass fragments; ceramics; decorative furnishings; construction materials; food remains; kaolin pipe fragments; miscellaneous hardware; 20th century debris; miscellaneous metal; glass tableware; household glass fragments; coins; jewelry; and miscellaneous (See Appendix I The Artifact Inventory).

Given the fragmentary nature of most of the recovered items, initial dates of manufacture (TPQs) were difficult to establish, and the collection was therefore divided into generalized temporal groups defined as being Late 18th -19th century (1 item), Late 19th-20th century, and finally, 20th century items. Unidentifiable and undatable examples were recorded as "not specified" (n/s).

Of the total sample (302) from Lot 86, 222 or 73% could be assigned to one of these temporal groupings (See Table XVI). Of the total sample (462) from Lot 4, 256 or 55% could be assigned to one of these temporal groupings (See Table VII). Although a number of the recovered glass and ceramic sherds were represented by types of manufacture, material, or decoration which suggested initial manufacture dates for these varieties in the mid to late 19th century, the majority of these variants also continued to be manufactured

throughout both the 19th and 20th centuries, and therefore cannot be interpreted as dating from the period of their initial manufacture. In addition to the consistent presence in each Lot 4 auger boring of unambiguous 20th century materials such as plastic, tin foil, and modern glass, the five borings from Lot 86 contained a large number 169/302 (56%) of Late 19th or 20th century artifacts, and each also contained clear examples identifiable to only the 20th century (See Tables VII, XVI, and XVII).

Modern 20th century debris identified included whole items or fragments of plastic, styrofoam, latex, vinyl, aluminum, cotton fiber, and paper. Plastic artifacts included: molded vials and vial caps; an auto tail light lens; a bottle cap; a push pin head; a button fragment; take-out beverage lids; drinking straws; tubes; cigarette filters; tablecloth fragments; string; wrap; snack food wrappers; and unidentified molded fragments. Recent 20th century aluminum artifacts included beverage can pull-tabs and crumpled foil fragments (See Appendix I).

Construction materials recovered included whole and fragments of red brick, fire brick, dressed wood, nails, screws, bolts, window glass, wire reinforced safety glass, plaster, mortar, cement, asphalt shingles, roofing slate, macadam, and ceramic tile. For the most part, these artifacts are non-diagnostic.

Food remains identified include: bone fragments; shell fragments; and peanut shells. The bone fragments consisted primarily of sawed or butchered mammal remains. Most of the bone and shell fragments were weathered or abraded, and identifications were therefore not possible.

The ceramic sherds identified include unglazed redware, glazed redware, undecorated whitewares, embossed whiteware, transfer printed whiteware, ironstone, and porcelain. As stated above, while many of these recovered ceramics have initial dates of manufacture in the mid-19th century, their date ranges of manufacture continue throughout the latter half of the 19th century and well into the 20th century. The fragmented condition and the lack of any identifiable maker's marks make precise dating of the ceramics impossible.

Numerous fragments of bottle and container glass were recovered, most of which were too small to date. In addition, as was the case for the identified ceramic sherds, the date ranges of manufacture for the bottle and container glass span the late 19th through the 20th centuries, limiting their utility as dating tools.

One coin and three jewelry items were recovered from the Lot 4 auger tests. A glass bead and an artificial pearl bead were identified from AH B-3. One glass bead was recovered from AH B-2 (See Figure 20). These jewelry items were not datable. The one coin recovered from AH A-3 was a U.S. Lincoln Head penny, dated 1977 (See Figure 19).

The miscellaneous artifact class included such items as coal, cinder, slag, charcoal, non-construction related wood fragments, rodent bone, a rubber eraser, possible light bulb glass, non-butchered mammal bone, and any unidentified materials. Representative samples of furnace waste materials of coal, slag, and cinder were retained for each auger hole during the screening process.

In addition to the chronological characterizations of the identified artifacts, the quantified inventory of recovered cultural materials was evaluated through a variety of descriptive statistical procedures. The absolute and relative amounts of each category of materials was cross tabulated by lot and auger hole to characterize the range of variation and relative proportions of cultural items recovered by artifact class and material. The Auger Hole-specific cross tabulations were rendered as Lot-specific tables, as three dimensional bar charts (or histograms) by artifact material groups (ie. ceramics, glass, metal, etc.), as more refined analytical subdivisions of specific diagnostic artifact material groupings (ie. Ceramics: earthenware, yellowware, whiteware, etc.), and for "miscellaneous" artifacts. Finally, based on the generalized time periods identified for specific categories of artifacts, each lot was furthermore evaluated by identified chronological periods (Late 18th, Late 19 through 20th, and finally, 20th century). As is discussed below, these quantified descriptive comparisons and 3-D bar chart characterizations of the relative artifact counts and diversity were utilized to form the basis for characterizing the nature and indicated time frame of buried cultural materials recovered from each of the lots, and from specific areas within each of the lots.

1. Lot 4:

Taken together, the total rear yard sample from Lot 4 amounted to 462 items, including 79 fragments of bottle glass, 2 metal bottle caps, 22 sherds of late 19th and 20th century pottery, 22 pieces of fire brick, 19 specimens of unidentified corroded iron, 43 fragments of red brick, 52 pieces of window glass, 11 pieces of aluminum foil, 62 chunks of coal, slag, charcoal, and cinders; 61 pieces of plastic, and five pieces of styrofoam, which as a group comprised 378 items, or 82% of the recovered sample from Lot 4 (See Tables I, II, and III).

Because of the stratigraphic evidence of the buried "surface" lens of coal ash and cinder within the east-west "A" transect in alignment with the buried cement slab from the former garage in the northeast corner of the lot, its correlation with the former line of access paralleling the northern fence line, and the lack of these attributes in the remaining B, C, and D transect lines of auger borings to the south, the yard sample from Lot 4 was analyzed, and will be presented, as two subgroups which will divide and compare the "A" auger transect line in comparison relative to all of the other auger borings in transect lines B, C, and D (See Table IV).

The artifact sample from the six borings in the "A" transect line, parallel to the northern fence line, amounting to a total of 134 items, was predominated by three categories of materials, bottle glass, construction related debris, and non-diagnostic materials classed as "miscellaneous". The "bottle/container" group consisted of 39 sherds of glass and one metal bottle cap; the construction related materials category consisted of 12 fragments of window glass, four nails, and 13 fragments of red brick; and finally the material category of "Miscellaneous" included select examples of cinder, coal, furnace slag or waste, fourteen fragments of plastic, and one piece of wood. Excluding the recorded wood fragments, these three groupings alone amounted to 121 specimens, or 92 percent of the sample from the six "A" transect line auger tests. The remaining 8% of the sample consisted of five pieces of late 19th to 20th century pottery sherds, one 19th century kaolin pipe stem, one piece of miscellaneous glass, three corroded pieces of iron, and one 1977 U.S. penny (See Table V).

In addition to the predominance of these major groups, and the low numbers of ceramics and diagnostic artifacts identified other than the bottle/container class, the recovered items were unevenly distributed across the "A" transect line. Of the total bottle glass recovered, 25, or 64%, of the 39 glass sherds recorded were found in auger test AH A-3. The next highest count of seven specimens came from boring AH A-4, followed by four from AH A-1. All of the other auger holes contained only one fragment of bottle glass each (See Table V).

Finally, although more evenly distributed, the recovery of construction related materials were found concentrated in auger tests AH A-1 and AH A-3, containing ten and seven examples respectively, with the balance of the auger tests yielding only three to four items (Table V).

With the exception of the unambiguous 1977 copper alloy penny, and despite the fact that nearly half (42%) of the items could not be assigned any date range, a total of 22 artifacts (16%) were identifiable as being associated with the 20th century, and most could be placed in the generalized time frame, ranging from the Late 19th to 20th century. In addition to the undecorated, and undatable, kaolin pipe stem from AH A-2b which was assigned a tentative time period of the Late 19th century, the five sherds of pottery, consisting of two pieces of redware, and three of whiteware, could only be dated to sometime between the Late 19th through the 20th centuries. While whitewares were initially produced in the mid to late 19th centuries, it continues to be manufactured and used throughout the 20th century as well (See Table VI).

In comparing the northern "A" transect sample to the other three, B, C, and D transects, two patterns are evident. As expected, the sample size from transects B, C, and D was nearly three times as large as that of transect A (328 vs. 134), and several categories of artifacts were therefore far better represented in the larger sample. Secondly, despite the relatively larger number of recovered items, the identified time range of diagnostic artifacts

was comparable to those identified in transect line A, with the exception that this larger sample contained considerably higher counts of modern, or recent 20th century items. While both groups of Lot 4 borings transects yielded almost identical counts of container glass fragments, and ceramic counts proportional to the two sample sizes, as a group, the B, C, and D transects evidenced much higher counts for the six material classes of artifacts, firebrick (22), iron (15), red brick (30), window glass (40), aluminum foil (11), and finally plastic, styrofoam, and vinyl (53) (See Table IV and Table VIII).

As a total sample for Lot 4, all diagnostic artifacts dated to either the Late 19th through 20th century, or to the modern period of the 20th century exclusively (See Figures 17 through 23). Relative to the total sample of 462 inventoried artifacts from Lot 4, 55% could be assigned to either the Late 19th-20th, or 20th centuries. Of the total of 462 recovered items, 206, or 45% could not be dated. From the entire sample of roughly datable artifacts from Lot 4, 155, or 33% could be identified as belonging to the generalized Late 19th-20th century. Twenty-two percent, or 101 items in the sample could be identified as being of unambiguous 20th century origin. (See Table VII and Table VIII).

2. Lot 86:

The five auger probes in the rear yard of Lot 86 resulted in the recovery of a total of 302 cultural items, of which 186, or 62%, came from auger test AH 1-1, with the rest of the sample ranging between 10 and 41 items from each of the remaining four auger tests (See Table I and Table IX). Of the total sample, 157 items, or 52%, consisted of glass, which included clear and colored container/bottle glass (137, or 45%), with the balance made up of fragments of molded milk glass (20, or 6% of the total). The total rear yard sample included 25 pieces of ceramics (8%), 51 items classed as construction related (window glass, iron nails, mortar, red brick, and saw cut wood), followed by low numbers of miscellaneous and predominantly modern materials (28 or 9.2%) which included cinders, coal, window glass, rubber, slag, vulcanized rubber, aluminum, and plastic (See Table X and Table XI).

Of the five auger samples in Lot 86, auger test AH 1-1 was distinguished by the presence of a buried one foot thick refuse lens, and by the fact that it contained the largest number of artifacts in general, as well as the largest range of chronologically identifiable items datable to the late 18th through 20th centuries. One of the recovered artifacts, an olive green partial bottle finish with a flattened string-rim below the lip appears to be relatively early. The bottle fragment can be roughly dated to the historic time period from the late 18th to early 19th centuries (See Figure 26). The small bore, unmarked, kaolin pipe stem fragment can be roughly dated to the broad historic time period of the 19th century (See Figure 24). No other potentially identifiable 18th century or unambiguously early to mid 19th century materials were recovered (See Table XIV and Table XV).

In addition to these two potentially 18th to 19th century items, the sample from auger test AH 1-1 included 84 fragments of container glass which were roughly datable to the Late 19 through 20th centuries, and 30 examples of clearly identifiable 20th century glass represented by 11 post-1900 amber beer bottle fragments and 19 fragments from an apparently modern molded measuring cup (See Figure 26). Items of unambiguous 20th century origin consisted of fragments of plastic recovered from each of the auger tests, including a piece of aluminum foil from auger hole AH 1-5, and a molded plastic medical, or "crack", vial from AH 1-1 (See Figure 24 and Table XIV).

Finally, the sample from the five auger holes included 16 examples of identifiable Late 19th through 20th century ceramics including one fragment of porcelain, post-1840 and post-1850 blue and black transfer printed whiteware, two redware sherds from a possible flower pot, four sherds of thick, undecorated, glazed yellowware, and finally one sherd of ironstone (See Figure 25). Although whiteware, yellowware, and ironstone were initially manufactured in the mid-19th century, all of these ceramic examples continued to be manufactured and used as common household items throughout the 19th and 20th centuries, and are thus of limited utility for establishing the actual time frame of their deposition at the site.

The largest diversity of ceramic types recovered from the five boring samples was present in auger test AH 1-1, which included examples of each of the types as well as the single smoking pipe stem fragment, but lacked ironstone. Borings AH 1-2 and AH 1-3, also located parallel to the eastern fence of the yard in a north south line each yielded three ceramic types. Auger hole AH 1-2 contained singular examples of ironstone, redware, and yellowware; AH 1-3 contained porcelain, redware, and yellowware (See Table XII).

Thus, despite the presence of these historic pipe, glass, and ceramic specimens, their consistent association with other modern datable artifacts including glass, plastic and a modern synthetic rubber eraser suggests that the identified deposit was both physically and chronologically mixed. Furthermore, while it is indeed possible that the most recent artifacts may have been derived from the upper, or modern dark brown humus layer, with the earlier examples coming from the mixed refuse lens below it, the relative numbers of recovered artifacts from each of the auger holes suggests otherwise. Specifically, auger test AH 1-1, containing the buried 1 foot thick refuse deposit, also contained the largest number of bottle/container glass fragments (122 or 89% out of 137) recovered from the five test borings. This category of glass from each of the other auger borings amounted to no more than 5 examples (3.6%). Given this disproportionately high percentage of bottle/container glass from AH 1-1, it is reasonable to assume that this glass came from the buried refuse lens versus the upper deposit of organic materials. Furthermore, given that 125, or 67.2% of all container glass from AH 1-1 dated to the Late 19th to 20th centuries, and that 31 fragments (16%) of the bottle/container glass sample from AH 1-1 could be dated to only the 20th century, it also appears reasonable to characterize the buried deposit in AH 1-1 as having been

laid down as a secondary deposit sometime in the 20th century which contained a mixture of redeposited 18th, 19th, and 20th century materials (See Table XIV).

As summarized in Table XIV each of the remaining four auger probes in Lot 86 was distinguished by the lack of any identifiable late 18th or 19th century materials, but all shared the similarity of containing both a mixture of late 19th through 20th century artifacts, as well as the consistent presence of clearly identifiable 20th century items. In addition to the presence of late bottle/container glass sherds, all of the four other auger holes in lot 86 contained 20th century plastic and modern window glass (See Table XV and Table XVI).

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FIGURES



Figure 1. Section of the USGS 7.5 minute Flushing New York Quadrangle Map (1966, photo-revised 1979), showing the Flushing Manor Geriatric Center Project Area Block.

Grossman and Associates, Inc. December, 1993.

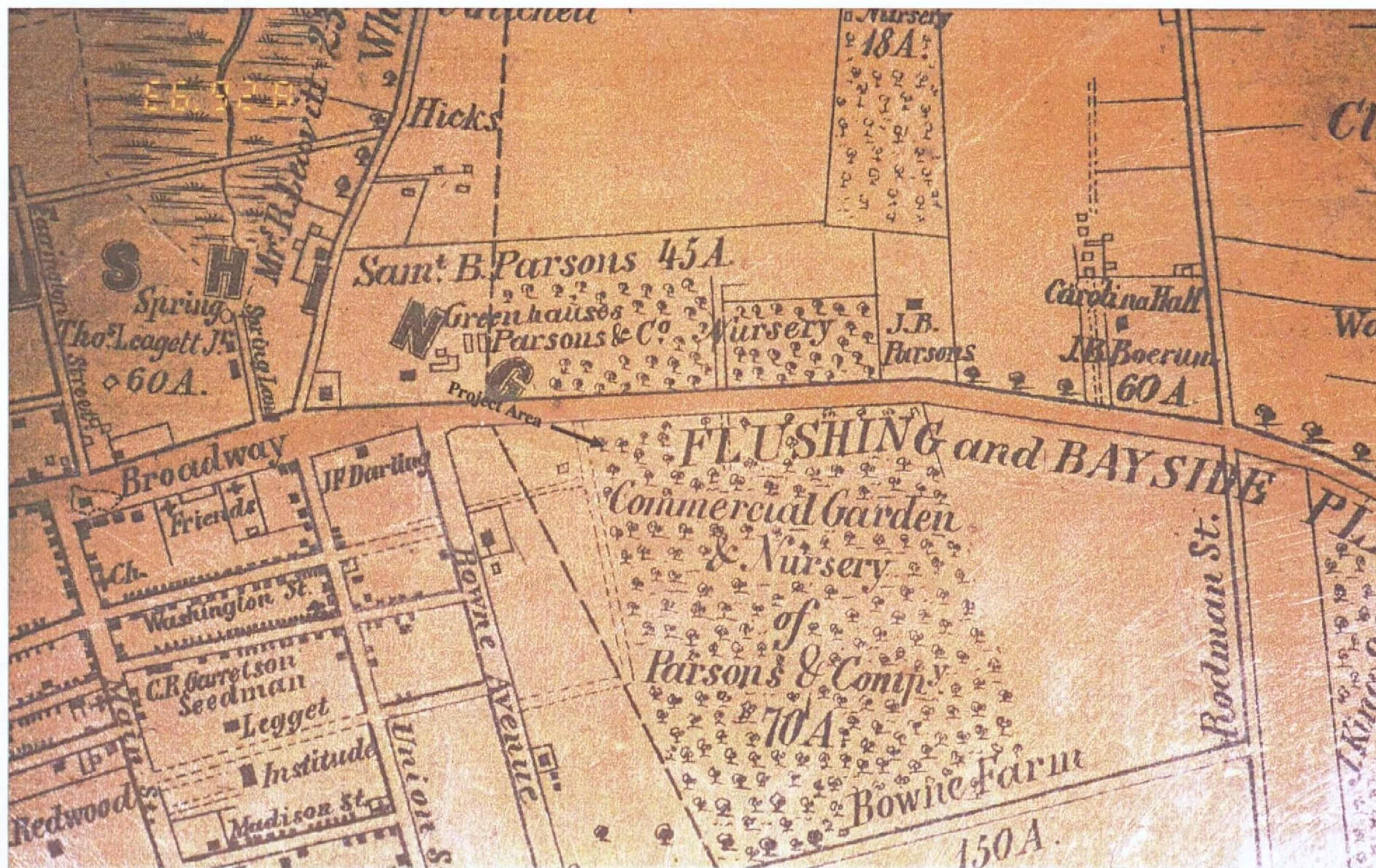


Figure 2. Enlarged section of original 1852 Conner-Dripps Map Showing Approximate Location of Project Area, lying within the 70 acre tract of "Parsons & Company Commercial Garden and Nursery", also designated "Bowne Farm".

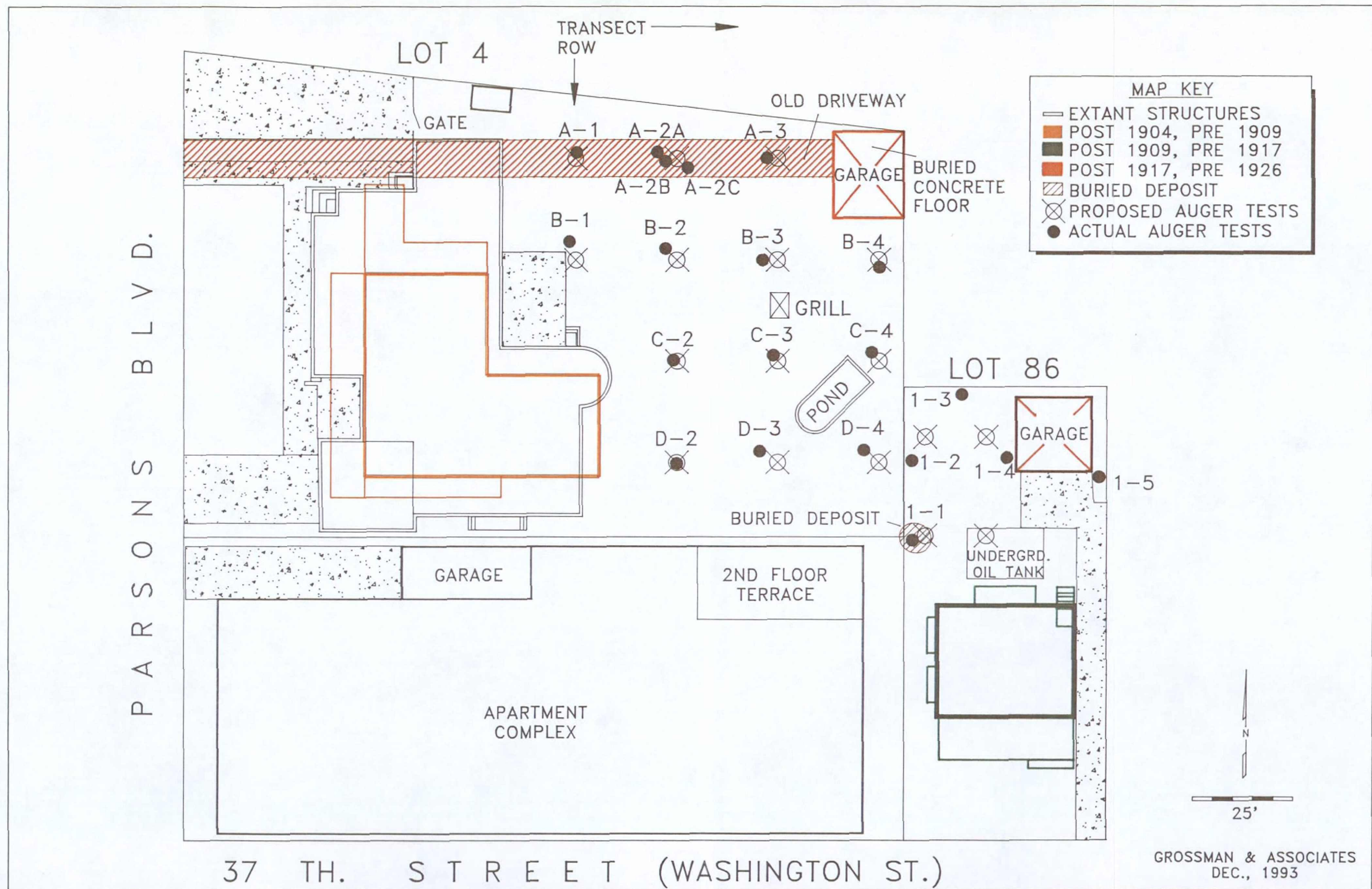


Figure 3. Computer generated site testing plan showing the projected and actual locations of auger test borings and the extent of identified buried Late 19th and 20th Century deposits in Lots 4 and 86.

Grossman and Associates, Inc. December, 1993.



Figure 4. General view looking west, towards the rear of the modern Doctor's office and residence, showing the contemporary surface of the rear yard of Lot 4 covered with ivy.

Grossman and Associates, Inc. December, 1993.



Figure 5. View of the southeast corner of Lot 4, showing the rear portion of the existing Korean Church and School building across the fence in Lot 86.

Grossman and Associates, Inc. December, 1993.



Figure 6. View of the northeast corner of Lot 4, showing a modern barbecue grill in the foreground and slight depression covering the now buried 20th century garage cement slab next to the fenceline.

Grossman and Associates, Inc. December, 1993.



Figure 7. View of the Grossman and Associates' mounted 10" by 3' power auger in the rear yard of Lot 4.

Grossman and Associates, Inc. December, 1993.



Figure 8. View of field archaeologists screening contents of auger test through 1/4" mesh in rear of Lot 4.

Grossman and Associates, Inc. December, 1993.



Figure 9. View of the power unit drilling next to western fenceline in Lot 86, at adjusted location to avoid the buried oil tank.

Grossman and Associates, Inc. December, 1993.



Figure 10. Archaeological crew using 1/4" mesh rocker screen to recover cultural materials in the rear yard of Lot 86.

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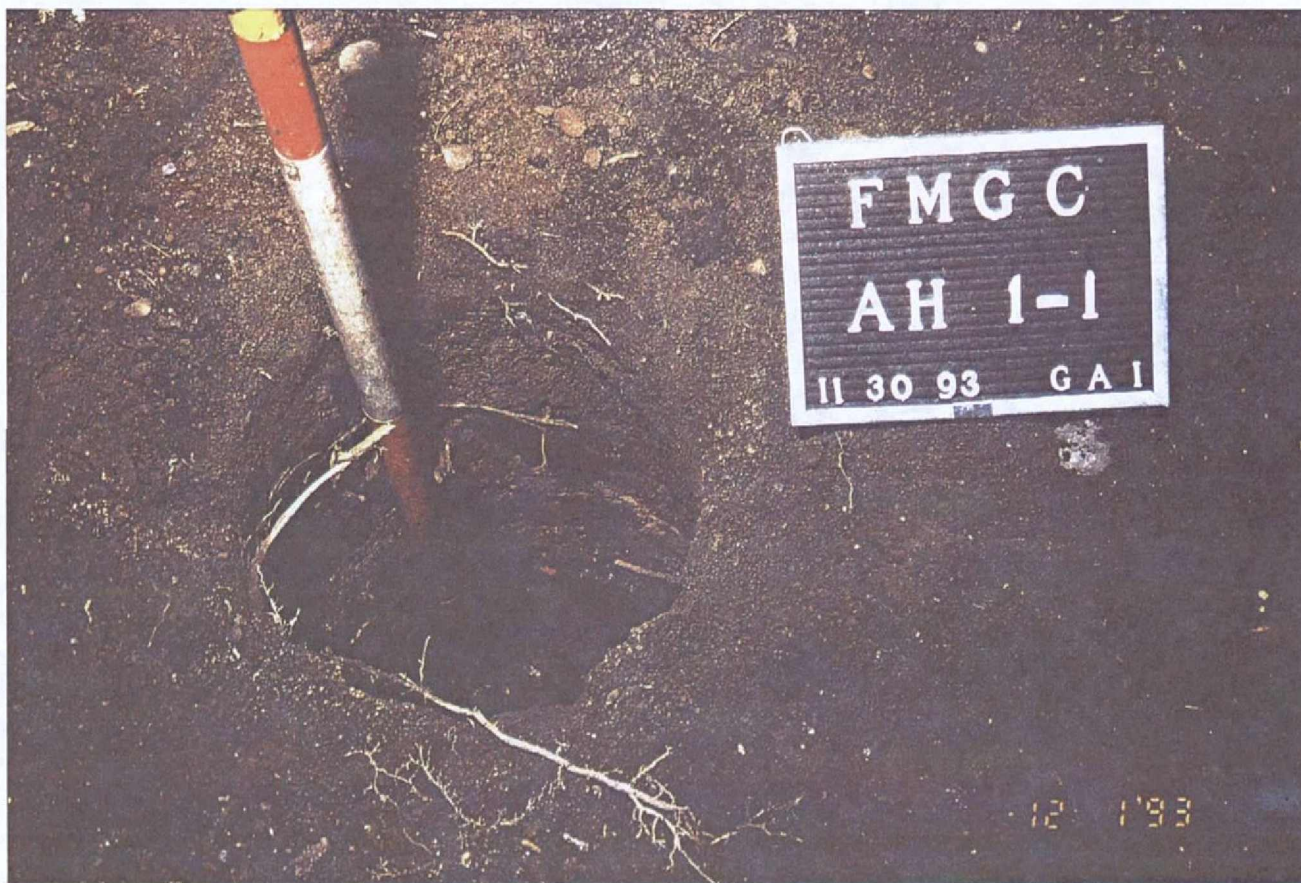


Figure 11. Detail of interior of Auger Hole 1-1 in Lot 86, showing the presence of a buried, and apparently mixed, Late 19th-20th Century refuse deposit localized at ca. 1 foot below grade in profile of boring.

Grossman and Associates, Inc. December, 1993.

Composite Profile, Transect A, Lot 4.

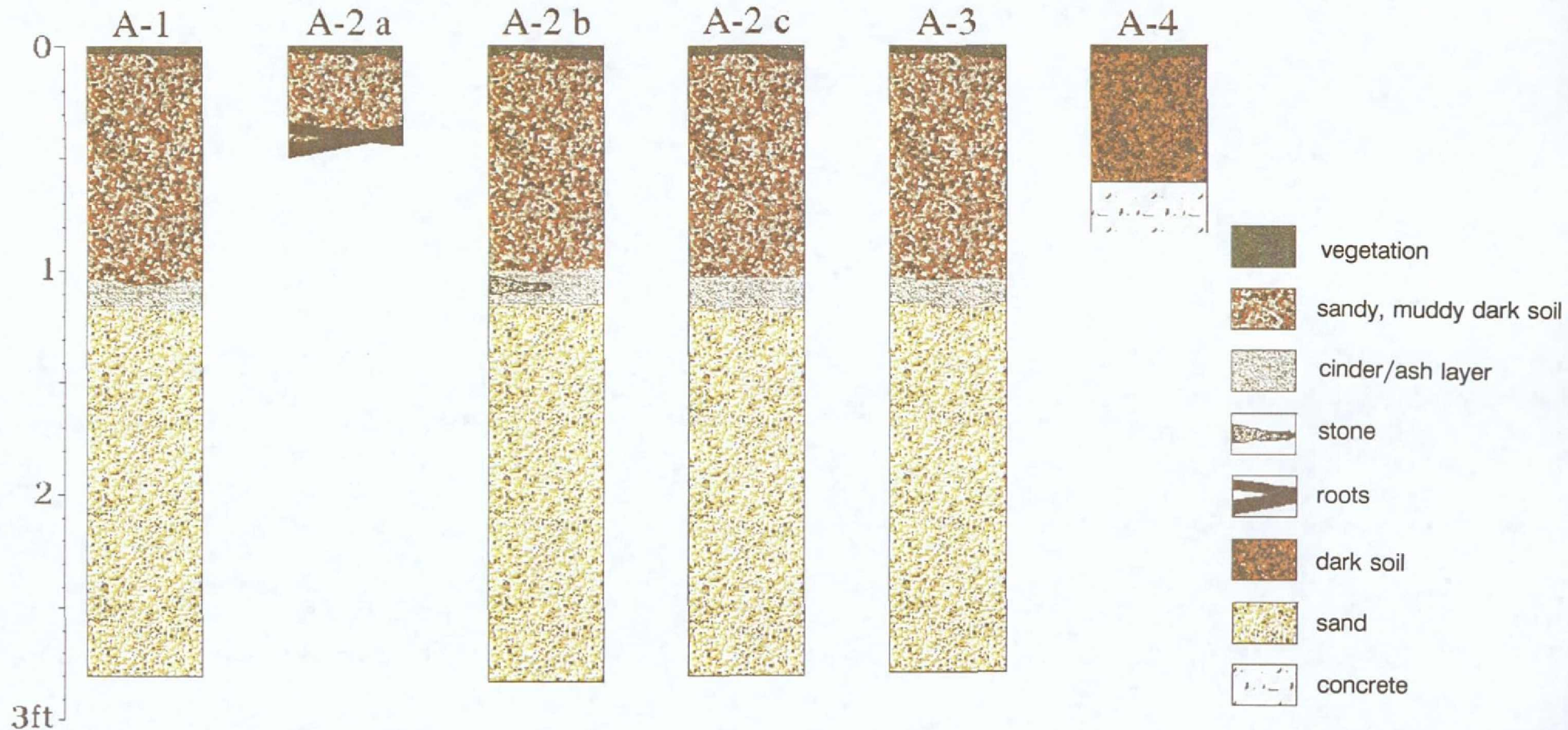


Figure 12. Computer generated profile series of borings A-1 through A-4 in Transect "A", parallel to the northern fence in rear yard of Lot 4, showing the presence of a buried Late 19th-20th Century coal ash and cinder lens below modern, 1 foot thick organic surface deposits, which correlates with the alignment of former post-1917 driveway leading to the garage (see Figure 3).

Composite Profile, Transect B, Lot 4.

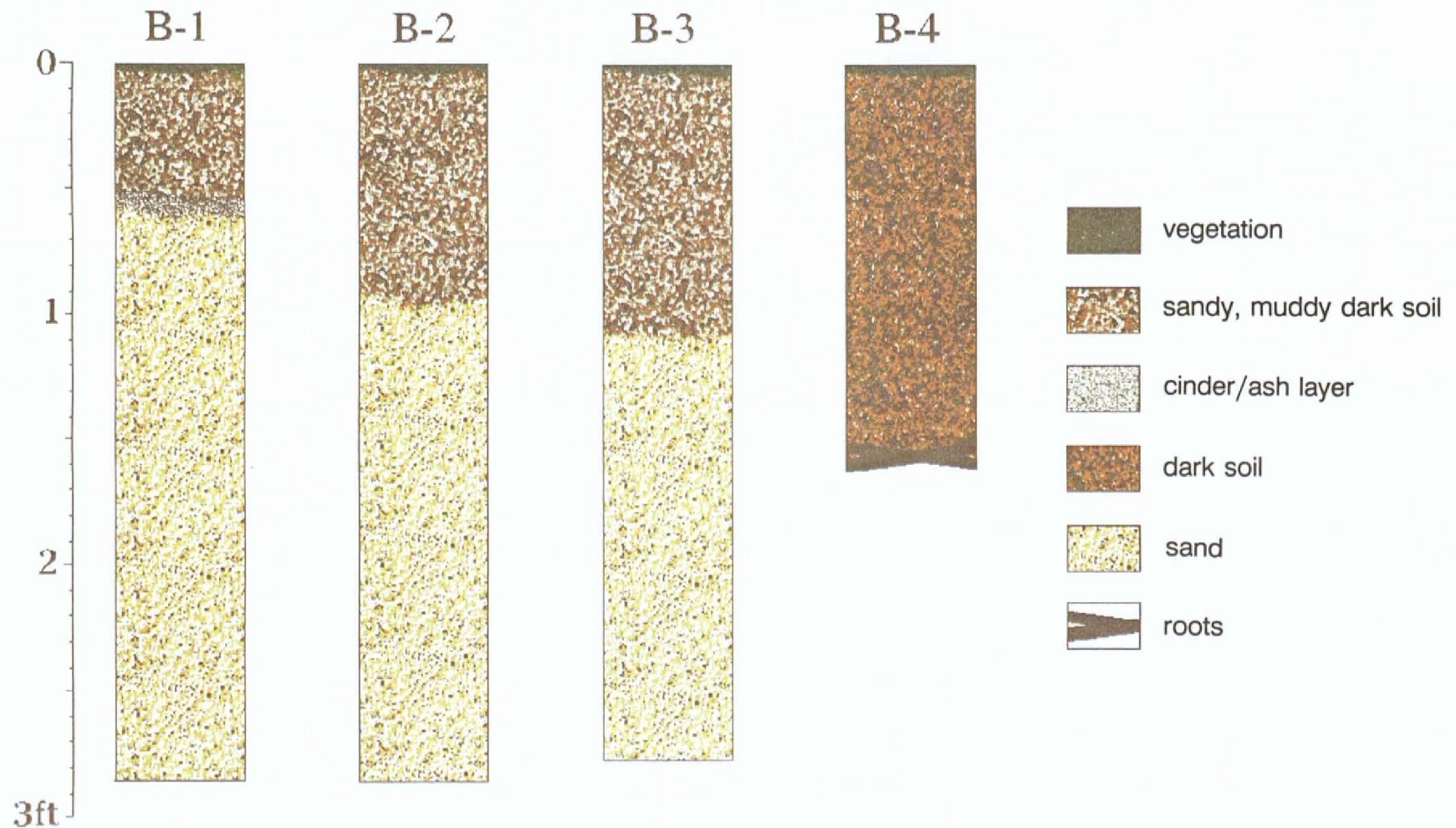


Figure 13. East-West series of auger profiles from Transect "B" in Lot 4, showing the varying depth of surface organic loam and lack of buried coal ash and cinder lens to the south of Transect A.

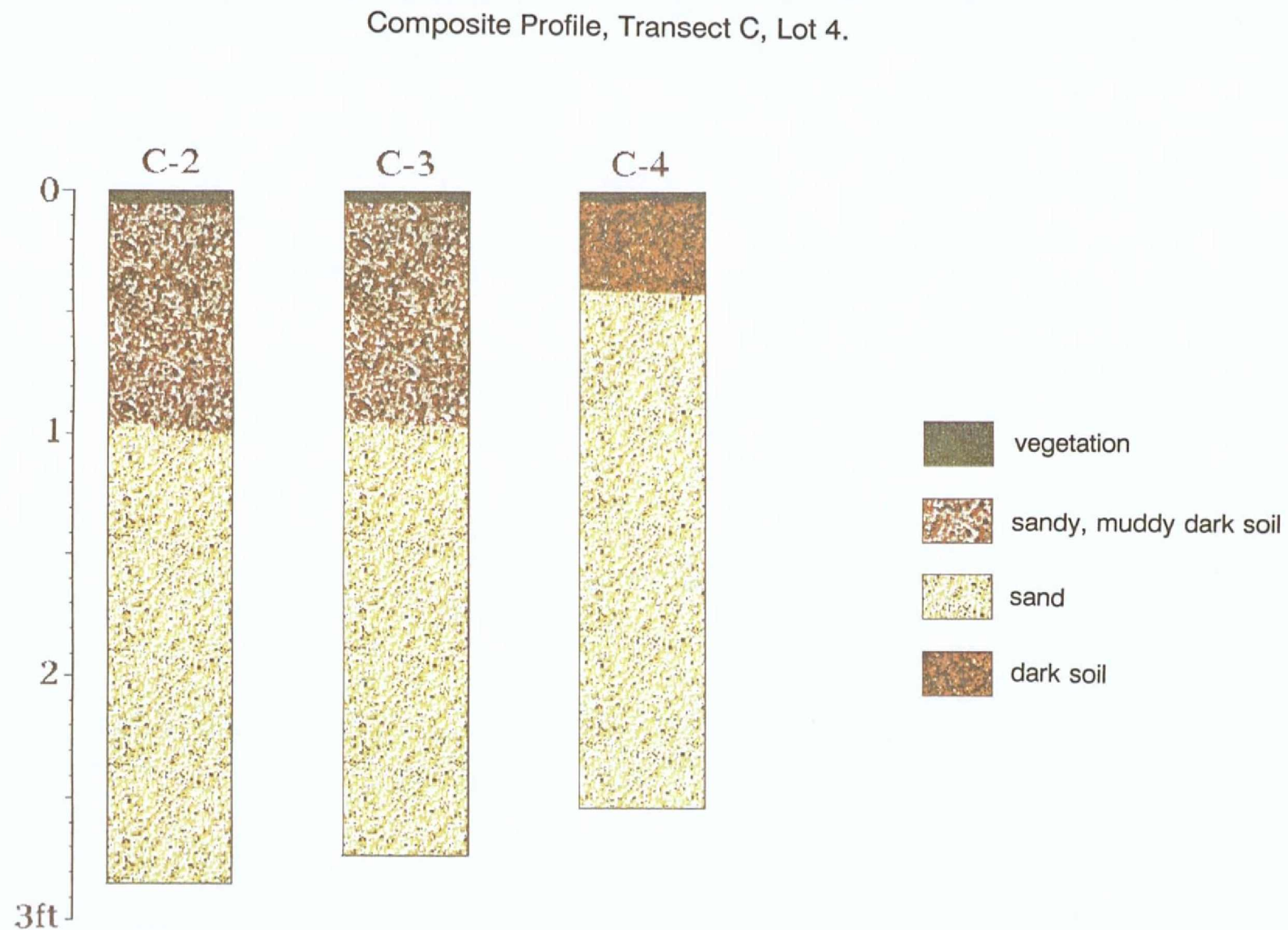


Figure 14. Composite of auger profiles from Transect "C" in Lot 4, documenting the lack of a buried lens of coal ash and cinder comparable to that encountered in Transect "A".

Composite Profile, Transect D, Lot 4.

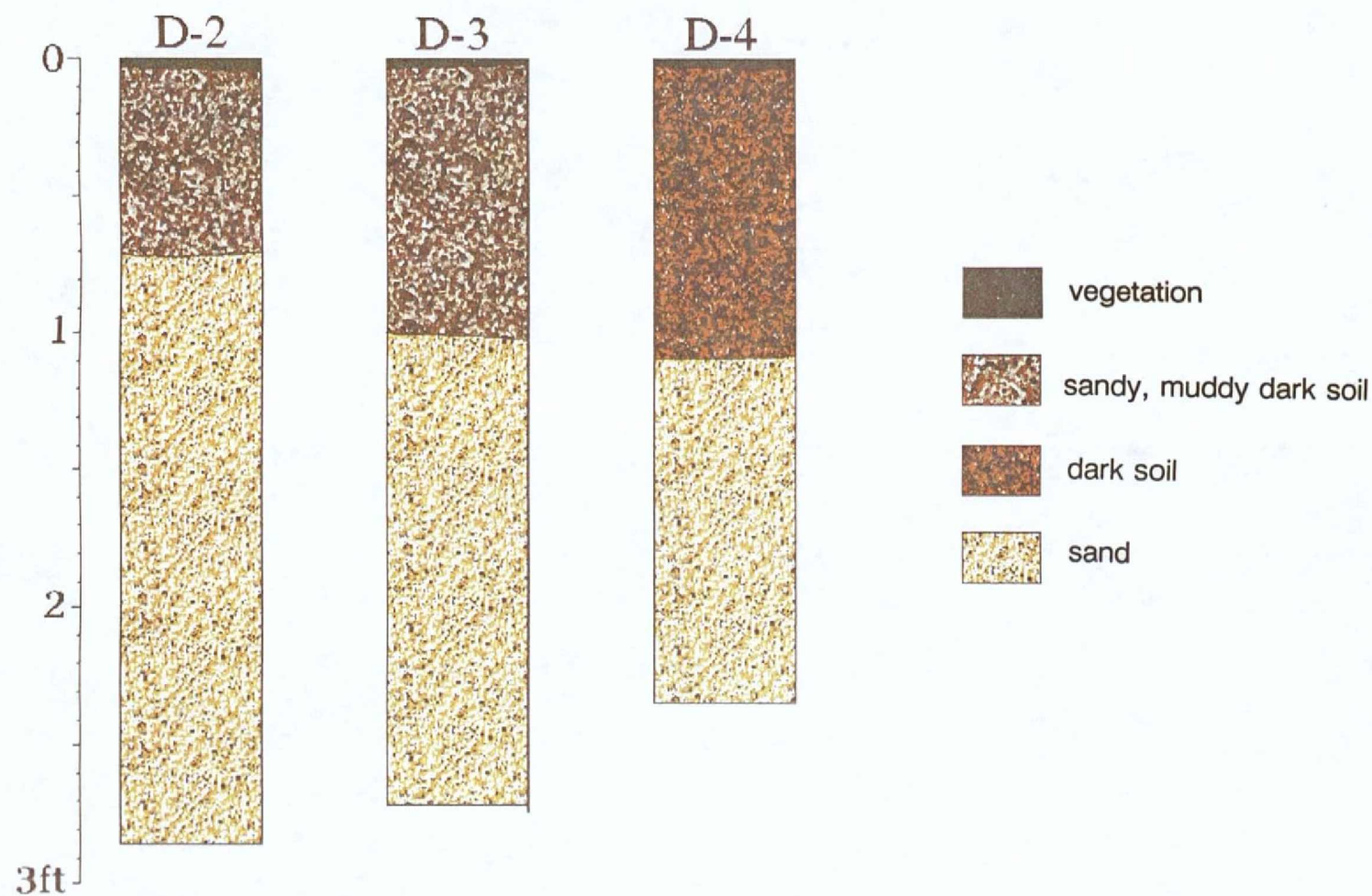


Figure 15. Composite of auger profiles from Transect "D" in Lot 4, showing varying thickness of surface organic loam, and lack of buried coal ash and cinder lens.



Auger Holes, Lot 86.

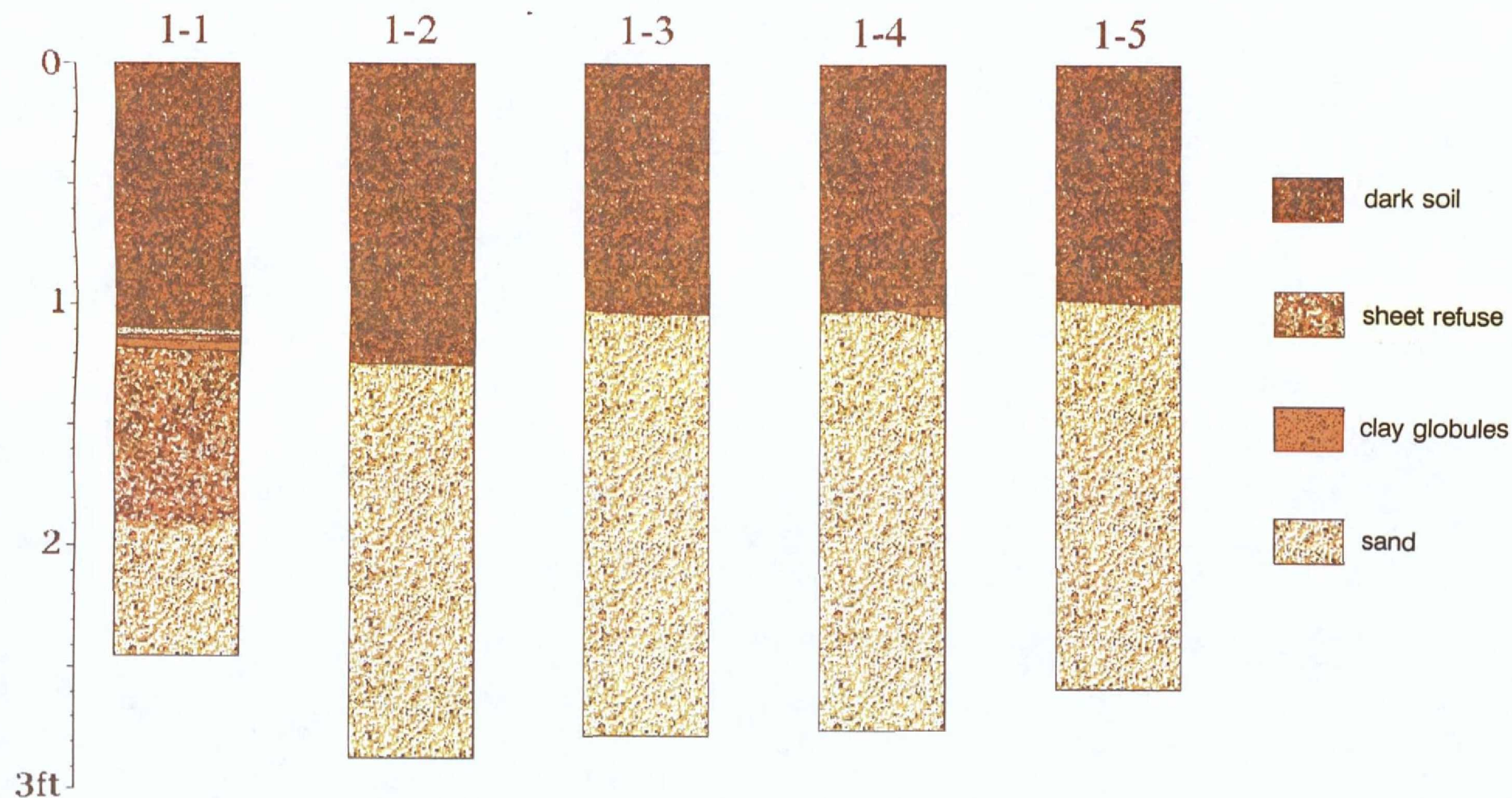


Figure 16. Composite of five auger borings from the rear yard of Lot 86, showing the same stratigraphic sequence of ca. 1 foot thick surface deposit of sandy organic loam overlying basal sandy deposits in auger holes 1-2 through 1-5, and the stratigraphic context and thickness of the buried Late 19th-20th Century refuse deposit between 1.1 and 1.9 feet below grade identified only in Auger Hole 1-1.

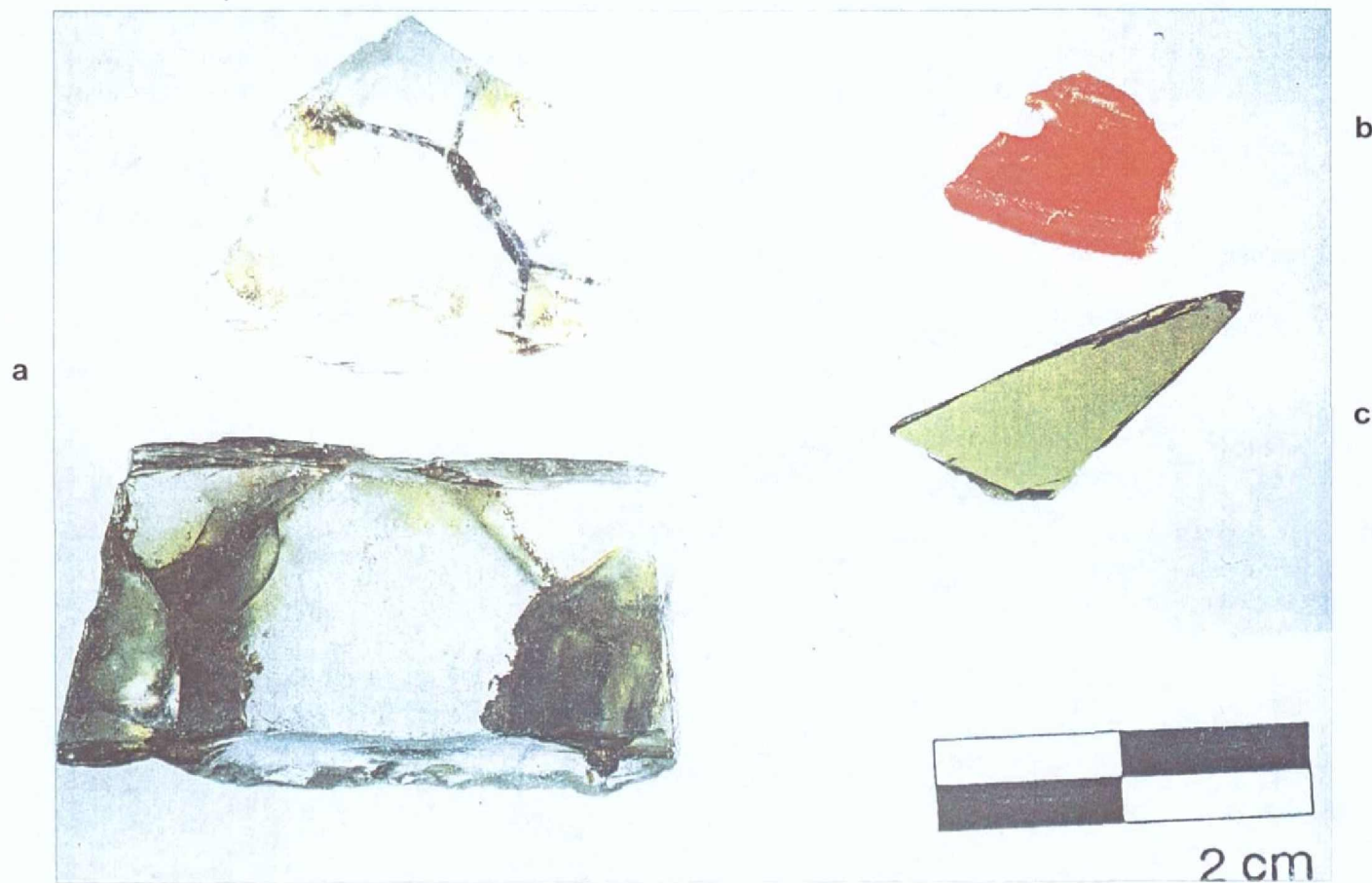


Figure 17. Close up photo of Late 19th-20th century artifacts from the lower, 1-3 ft below grade, section of Auger Hole A-1 in Lot 4, documenting the presence of modern material in the underlying sandy deposits below the 1 ft. cap of organic loam. a) Post 1891 wire reinforced safety glass; b) 20th C. molded plastic button fragment; c) Late 19th-20th C. possible beer bottle fragment.

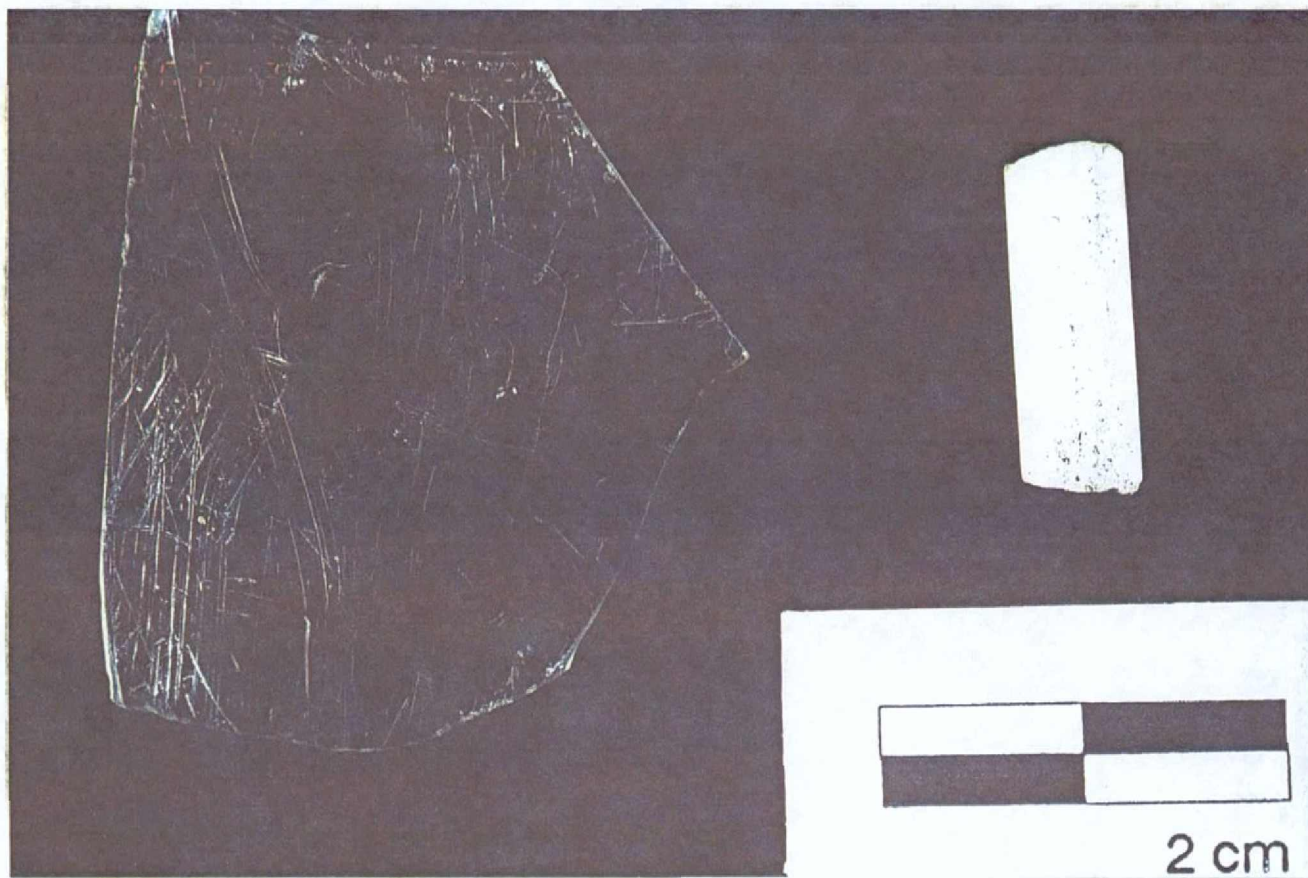


Figure 18. Close up photo of modern window glass and historic kaolin pipe stem fragment recovered from Auger Hole A-2b in Lot 4.

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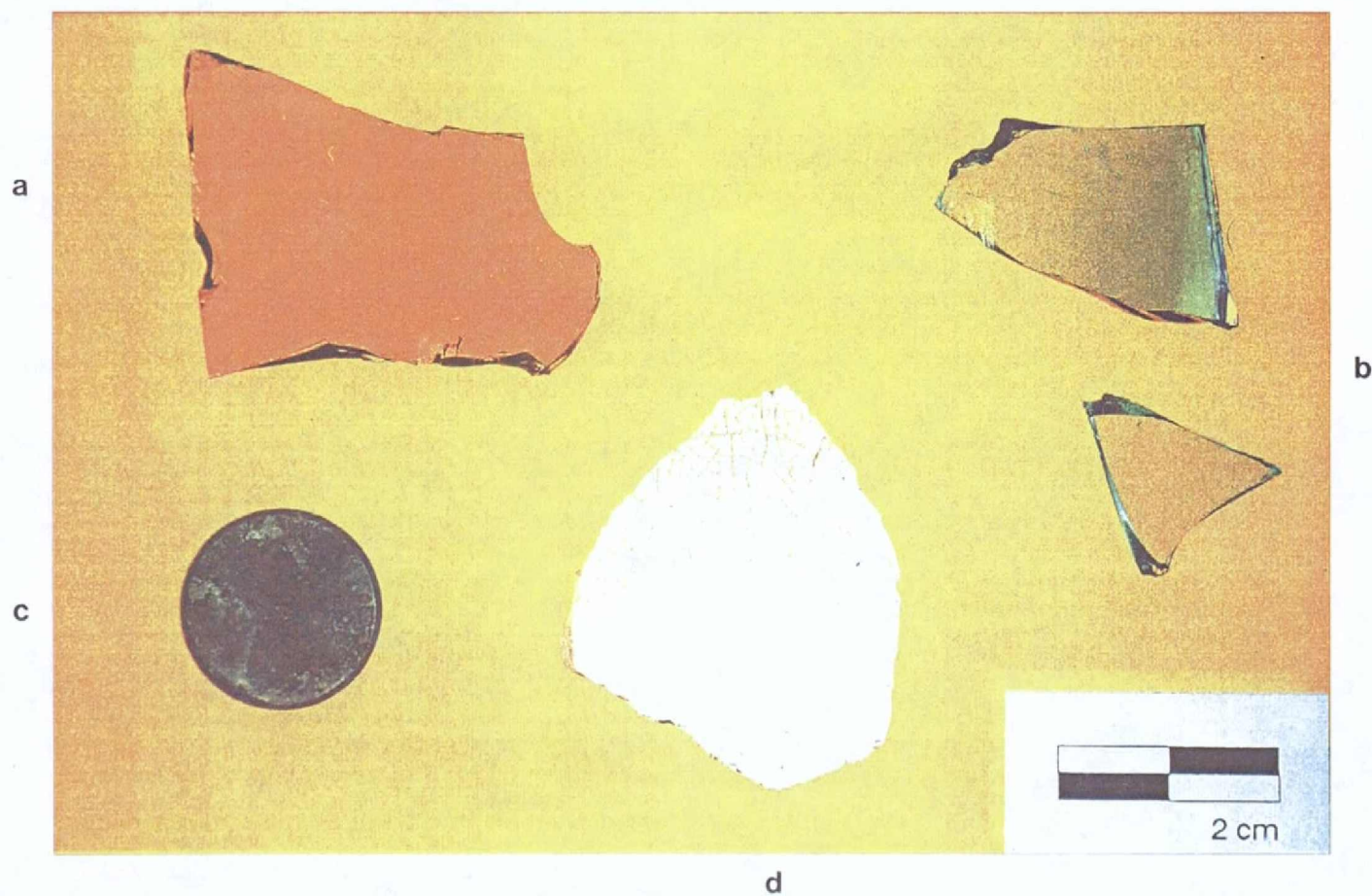


Figure 19. Close up photo of associated possible Late 19th and 20th century artifacts recovered from Auger Hole A-3, Lot 4.
a) L 19th-20th C. amber possible beer bottle fragment; b) L 19th-20th C. beer bottle fragments; c) 1977 Lincoln Penny;
d) L 19th-20th C. undecorated whiteware plate sherd.

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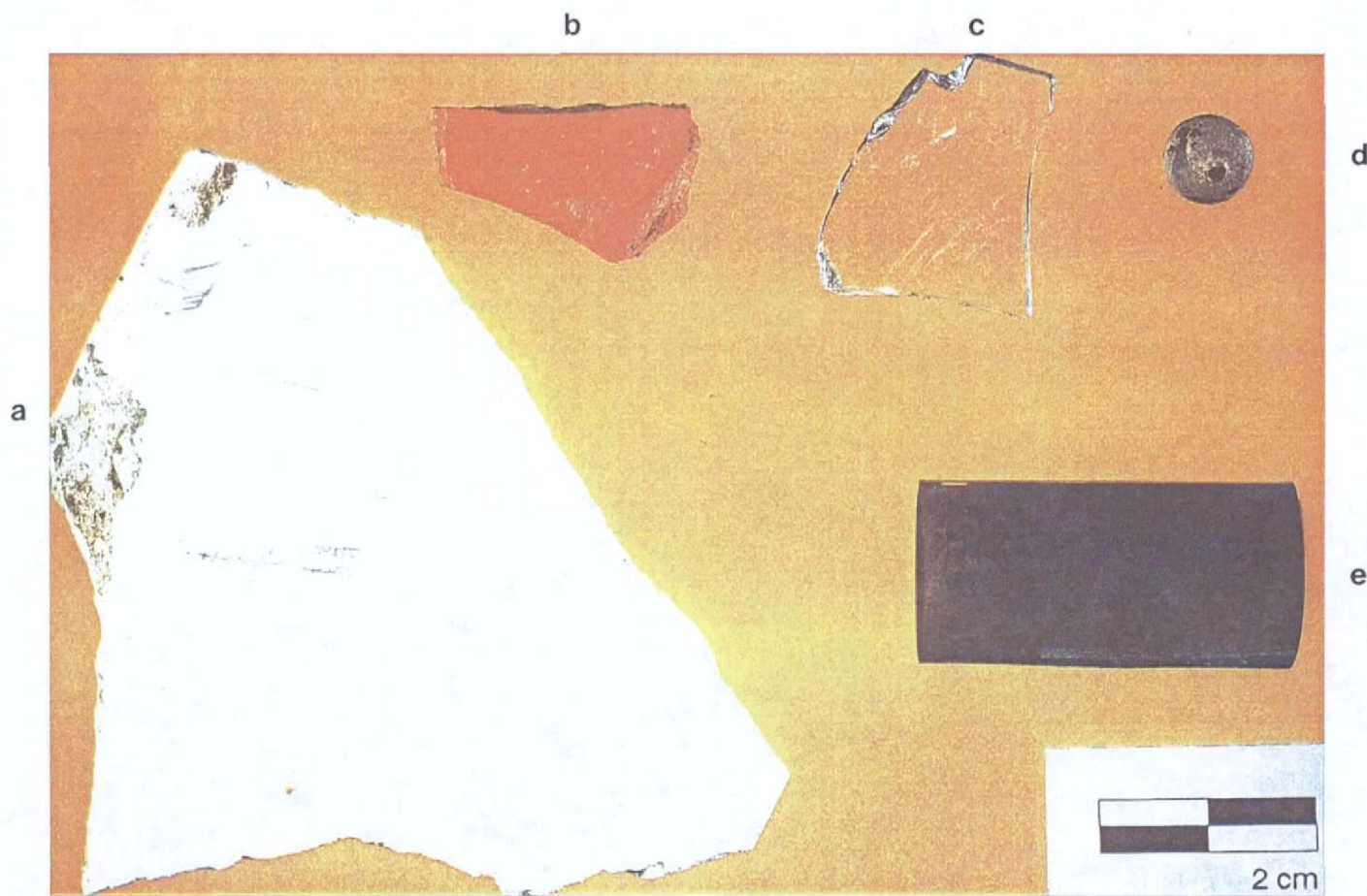


Figure 20. Close up photo of associated Late 19th-20th C. artifacts from Auger Hole B-2, Lot 4. a) white glazed earthenware kitchen/bath tile fragment; b) L 19th-20th C. unglazed redware sherd, possible flower pot; c) L 19th-20th C. unidentified bottle fragment; d) glass bead; e) 20th C. film roll

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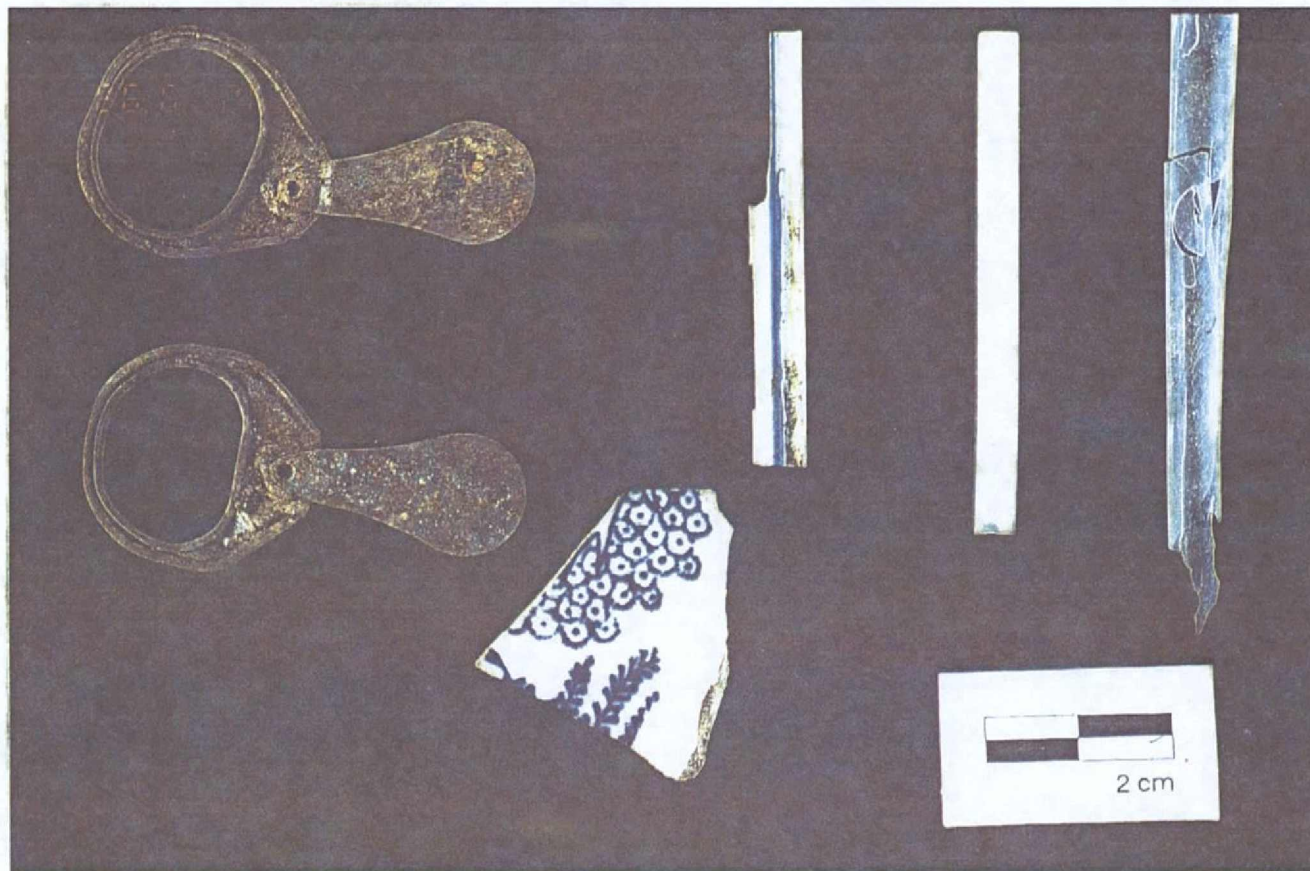


Figure 21. Close up photo of Mid-Late 19th-20th C. blue transfer printed whiteware ceramic sherd found in association with 20th C. plastic straw sections and aluminum can pull tabs from Auger Hole B-4 in Lot 4 (see also Figure 22).

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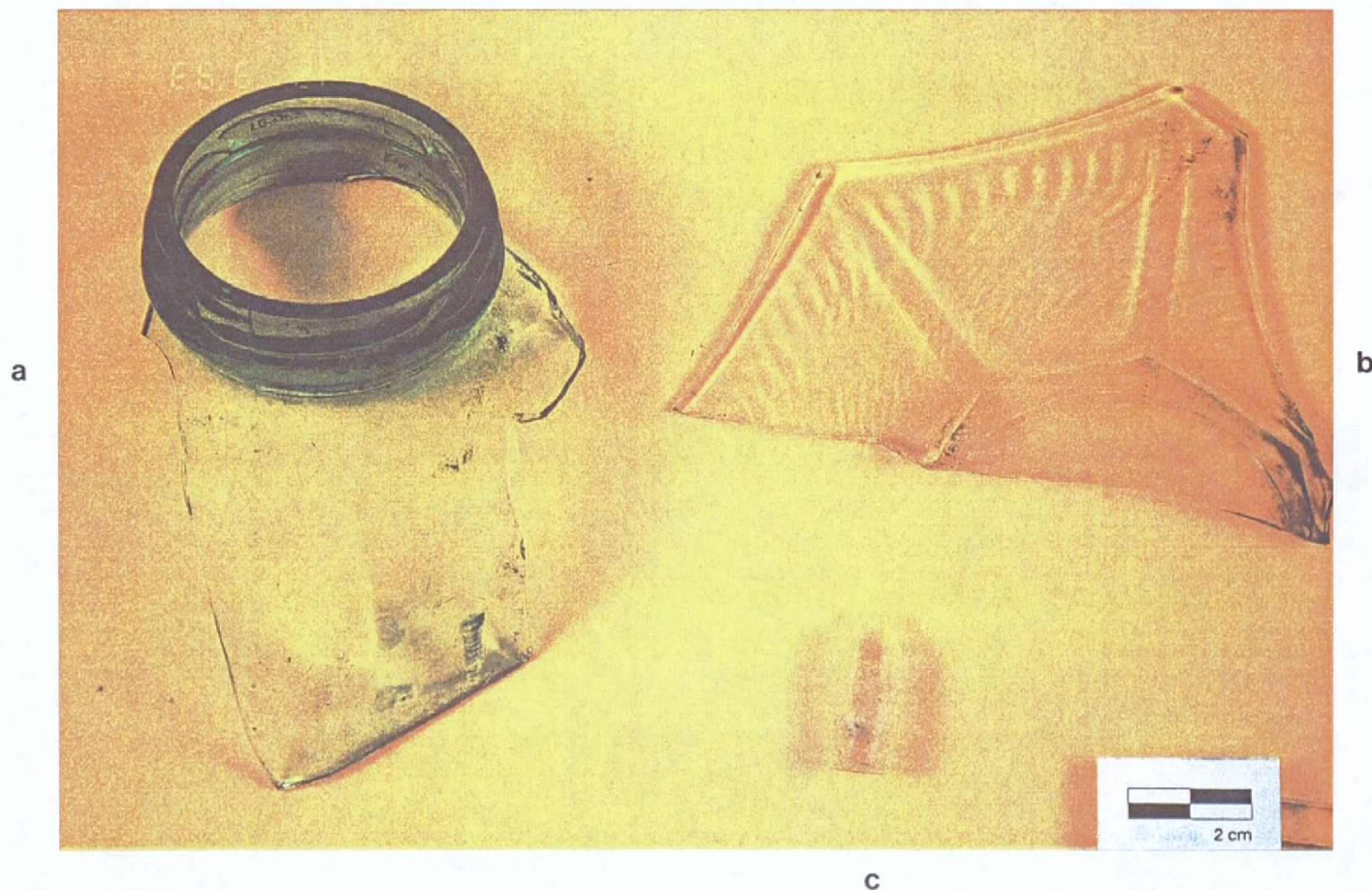


Figure 22. Close up photo of Late 19th-20th C. glass recovered from Auger Hole B-4 in Lot 4. a) Post 1903 quart size bottle neck and finish; b) L 19th-20th molded clear glass plate; c) portion of clear "hourglass" egg timer (?) (see also Figure 21).

Grossman and Associates, Inc. December, 1993.

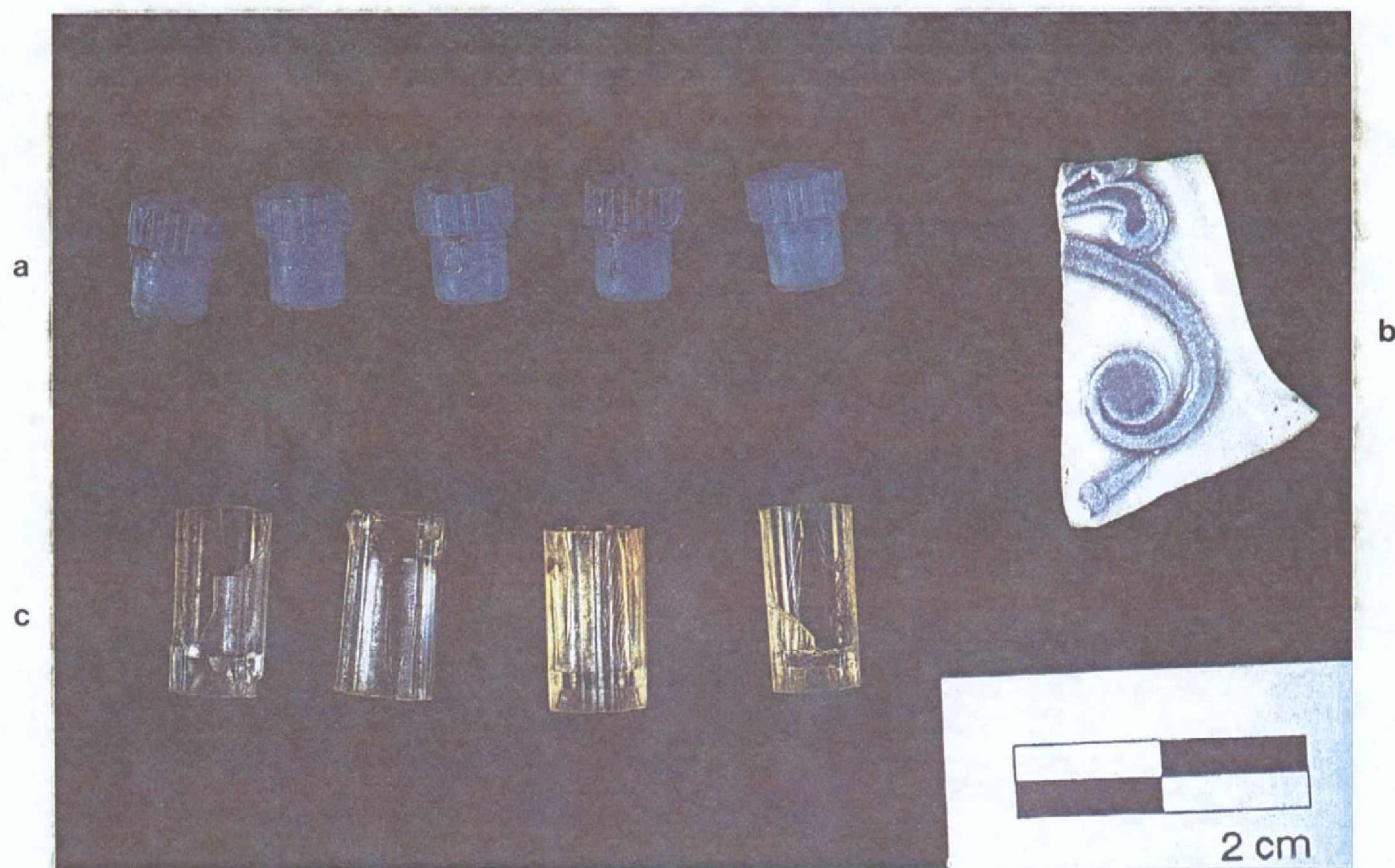


Figure 23. Close up photo of mixed Late 19th and 20th C. artifacts from Auger Hole D-2 in Lot 4. a) 20th C. molded blue plastic (crack?) vial caps; b) L 19th-20th C. embossed and painted whiteware ceramic rimsherd. c) 20th C. molded plastic (crack?) vial bases.

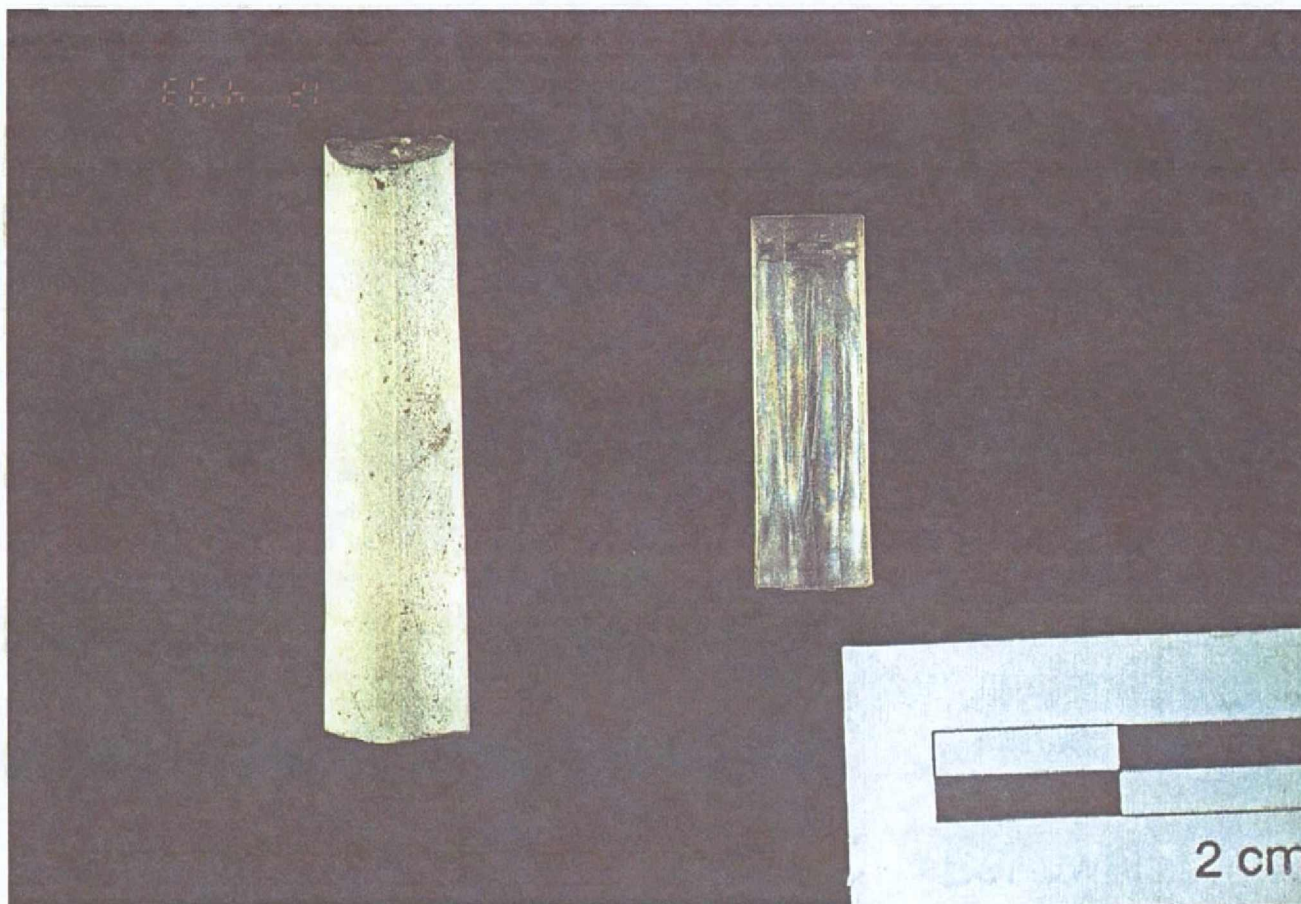


Figure 24. Close up photo of historic (probable 19th century) kaolin pipestem fragment found in association with 20th C. molded plastic (crack?) vial in Auger Hole 1-1, Lot 86 (see also Figures 25 and 26).

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Figure 25. Close up photo of Late 19th-20th C. ceramics found in association with 20th C. glazed sewer/water pipe in Auger Hole 1-1, Lot 86. a) L 19th-20th yellowware ceramic base sherd; b) 20th C. glazed earthenware sewer/water pipe fragment; c) L 19th-20th C. blue transfer printed whiteware ceramic sherds; d) L 19th-20th C. black transfer printed whiteware ceramic body sherds (see Figures 24 and 26).

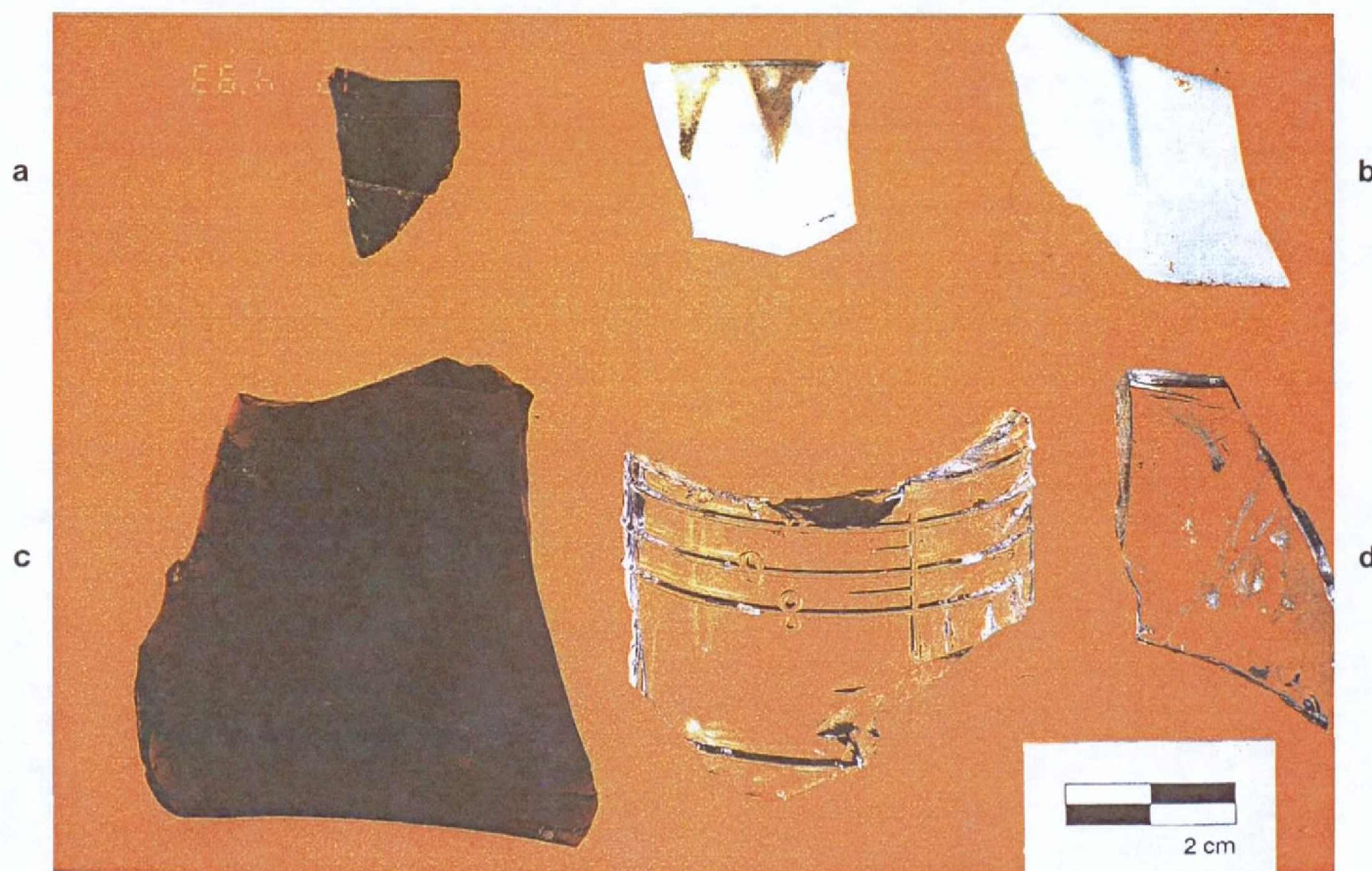


Figure 26. Close up photo of mixed Late 19th-20th C. bottle and container glass found in association with Late 18th-Early 19th C. bottle glass from Auger Hole 1-1, Lot 86. a) L 18th-E 19th C. partial bottle finish with applied string rim below lip; b) L 19th-20th C. milk glass fragments, possible decorative item; c) L 19th-20th C. brown base fragment, possible beer bottle; d) 20th C. molded clear glass fragments from measuring cup or beaker (see Figures 24 and 25).

TABLES

Class	Material	Lot 4																Lot 86					Grand total
		Transect A						Transect B				Transect C			Transect D								
		A-1	A-2a	A-2b	A-2c	A-3	A-4	B-1	B-2	B-3	B-4	C-2	C-3	C-4	D-2	D-3	D-4	1-1	1-2	1-3	1-4	1-5	
bottle/container	glass	4	1	1	1	25	7	1	2	1	28	1		5	1	1		122	5	4	2	4	216
	metal cap	1									1												2
ceramic	buff earthenware										1												1
	ironstone																		1				1
	porcelain																	1		1			2
	redware				1	1			3			2		1	1			2	1	1	1		14
	whiteware					3					3		1		1	4		9		2		1	24
	yellowware																	4	1				5
	kaolin pipe stem			1														1					2
ceramic fixture	porcelain										1												1
coin	coin (1977)					1																	1
construction	asphalt								1								1						2
	ceramic								1												2		3
	concrete								1														1
	fire brick							1	8		13												22
	glass	3		1	4	4		22	5		8	1	1	1	1		1	5	2	3	1	17	80
	gneiss								1														1
	iron nails	1				2	1	5	3	1	2	1		1		1	1					3	22
	mortar								1		2	2								1		1	7
	plaster										1												1
	red brick	6	3	2		1	1	1	16		1			2	1	2	7	1	1	7	1	2	55
	slate								6		1												7
	wood (sawed)						1				2				2				2			2	9
decorative furnishing	glass																	20					20
drain pipe	ceramic																	4					4
food remains	bone		1			1		1									3	1	1				8
	shell										2							1			1		4
	vegetal													1					1				2
household glass	glass										1				2								3
jewelry	artificial pearl										1												1
	glass								1		1												2
miscellaneous	aluminum										7						4					2	13
	bone								1								7						8
	charcoal															1							1
	cinder	1		2		3	1					2	3	2				3	3	9			29
	coal	7	4	3		3		1	1		2		4	2	1				1	4		2	35
	cotton fiber										1				2								3
	glass										1							1					2
	latex														1								1
	paper														2								2
	plastic	1				6	7	1	2		13			4	10		17	1	2	2	2	6	74
	rubber																			1			1
	slag	5	1	2		3	1	2	1	1	2				1			1		1		1	22
	styrofoam										1			1			3						5
	unident																2						2
	vinyl										1												1
	vulcanized rubber																					1	1
	wood (natural)					1			1														2
misc glass	glass					1																	1
misc hardware	Cu alloy										2							3					5
	iron			1							2						1					1	5
	white metal																					1	1
misc metal	Cu alloy																	1		1			2
	iron					2				9	2				2			5		4			24
tableware	glass										1												1
Grand total		29	10	13	6	57	19	35	55	12	104	9	9	20	28	9	47	186	21	41	10	44	
		Total A: 134						Total B: 206				Total C: 38			Total D: 84								
																		Total Lot 4: 462		Total Lot 86: 302		Overall Total: 764	

Table I. Artifact density counts by Class and Material categories for Lots 4 and 86.

Class	Material	Transect A						Transect B				Transect C			Transect D			Total
		A-1	A-2a	A-2b	A-2c	A-3	A-4	B-1	B-2	B-3	B-4	C-2	C-3	C-4	D-2	D-3	D-4	
bottle/container	glass	4	1	1	1	25	7	1	2	1	28	1		5	1	1		79
	iron cap	1									1							2
ceramic	buff earthenware										1							1
	redware				1	1			3			2		1	1			9
	whiteware					3					3		1		1	4		12
	kaolin pipe stem			1														1
ceramic fixture	porcelain										1							1
coin	coin (1977)					1												1
construction	asphalt								1								1	2
	ceramic tile								1									1
	buff brick							1	1									2
	fire brick								8		13							21
	iron	1				2	1	5	3	1	2	1		1		1	1	19
	mortar								1		2	2						5
	plaster										1							1
	red brick	6	3	2		1	1	1	16		1			2	1	2	7	43
	stone								7		1							8
	window glass	3		1	4	4		22	5		8	1	1	1	1		1	52
	wood (sawed)						1				2				2			5
food remains	bone		1			1		1									3	6
	shell										2							2
	vegetal													1				1
household glass	glass										1				2			3
jewelry	bead								1		2							3
misc	aluminum										7						4	11
	bone								1								7	8
	charcoal															1		1
	cinder	1		2		3	1					2	3	2				14
	coal	7	4	3		3		1	1		2		4	2	1			28
	cotton fiber										1				2			3
	glass										1							1
	latex														1			1
	paper														2			2
	plastic	1				6	7	1	2		13			4	10		17	61
	slag	5	1	2		3	1	2	1	1	2				1			19
	styrofoam										1			1			3	5
	unident																2	2
	vinyl										1							1
	wood (natural)					1			1									2
misc glass	misc glass					1												1
misc hardware	Cu alloy										2							2
	iron hardware			1							2						1	4
misc metal	iron					2				9	2				2			15
tableware	glass										1							1
TOTAL		29	10	13	6	57	19	35	55	12	104	9	9	20	28	9	47	462

Table II: Artifact Class and Material total counts, by individual Auger Holes from Lot 4

Class	Material	Transect				Total
		A	B	C	D	
bottle/container	glass	39	32	6	2	79
	iron cap	1	1			2
ceramic	buff earthenware		1			1
	redware	2	3	3	1	9
pipe stem	whiteware	3	3	1	5	12
	kaolin	1				1
ceramic fixture	porcelain		1			1
	copper coin	1				1
coin	asphalt		1		1	2
	ceramic tile		1			1
construction	concrete		1			1
	fire brick		22			22
	iron nail	4	11	2	2	19
	mortar		3	2		5
	plaster		1			1
	red brick	13	18	2	10	43
	stone		8			8
	window glass	12	35	3	2	52
	wood (sawed)	1	2		2	5
	bone	2	1		3	6
food remains	shell		2			2
	vegetal			1		1
household glass	glass		1		2	3
	bead		3			3
jewelry	aluminum		7		4	11
	bone		1		7	8
miscellaneous	charcoal				1	1
	cinder	7		7		14
	coal	17	4	6	1	28
	cotton fiber		1		2	3
	glass		1			1
	latex				1	1
	paper				2	2
	plastic	14	16	4	27	61
	slag	12	6		1	19
	Styrofoam		1	1	3	5
	unident				2	2
	vinyl		1			1
	wood (natural)	1	1			2
	misc glass	1				1
misc glass	Cu alloy		2			2
	iron hardware	1	2		1	4
misc hardware	iron	2	11		2	15
	glass		1			1
misc metal						
tableware						
TOTAL		134	206	38	84	462

Table III. Class and Material Artifact totals by Transect Line from Lot 4

Class	Material	Transects		Total
		A	B, C, and D	
bottle/container	glass	39	40	79
	iron cap	1	1	2
ceramic	buff earthenware		1	1
	redware	2	7	9
	whiteware	3	9	12
	kaolin pipe stem	1		1
	porcelain		1	1
ceramic fixture	coin (1977)	1		1
construction	asphalt		2	2
	ceramic tile		1	1
	concrete		1	1
	fire brick		22	22
	iron nail	4	15	19
	mortar		5	5
	plaster		1	1
	red brick	13	30	43
	stone		8	8
	window glass	12	40	52
	wood (sawed)	1	4	5
	bone	2	4	6
	shell		2	2
	vegetal		1	1
	glass		3	3
	bead		3	3
	aluminum		11	11
	bone		8	8
	charcoal		1	1
	cinder	7	7	14
food remains	coal	17	11	28
	cotton fiber		3	3
household glass	glass		1	1
	latex		1	1
jewelry	paper		2	2
	plastic	14	47	61
miscellaneous	slag	12	7	19
	Styrofoam		5	5
	unident		2	2
	vinyl		1	1
	wood (natural)	1	1	2
	misc glass	1		1
	Cu alloy		2	2
	iron hardware	1	3	4
	iron	2	13	15
	glass		1	1
	TOTAL:	134	328	462

Table IV. Summary of artifact totals by Class and Material categories comparing transect A finds to Transects B, C and D as a group, in Lot 4.

Class
 bottle/container
 ceramic
 coin
 construction
 food remains
 misc
 misc glass
 misc hardware
 misc metal
 kaolin pipe stem
 Total

Transect A						
A-1	A-2a	A-2b	A-2c	A-3	A-4	Total
5	1	1	1	25	7	40
			1	4		5
				1		1
10	3	3	4	7	3	30
	1			1		2
14	5	7		16	9	51
				1		1
		1				1
				2		2
		1				1
29	10	13	6	57	19	134

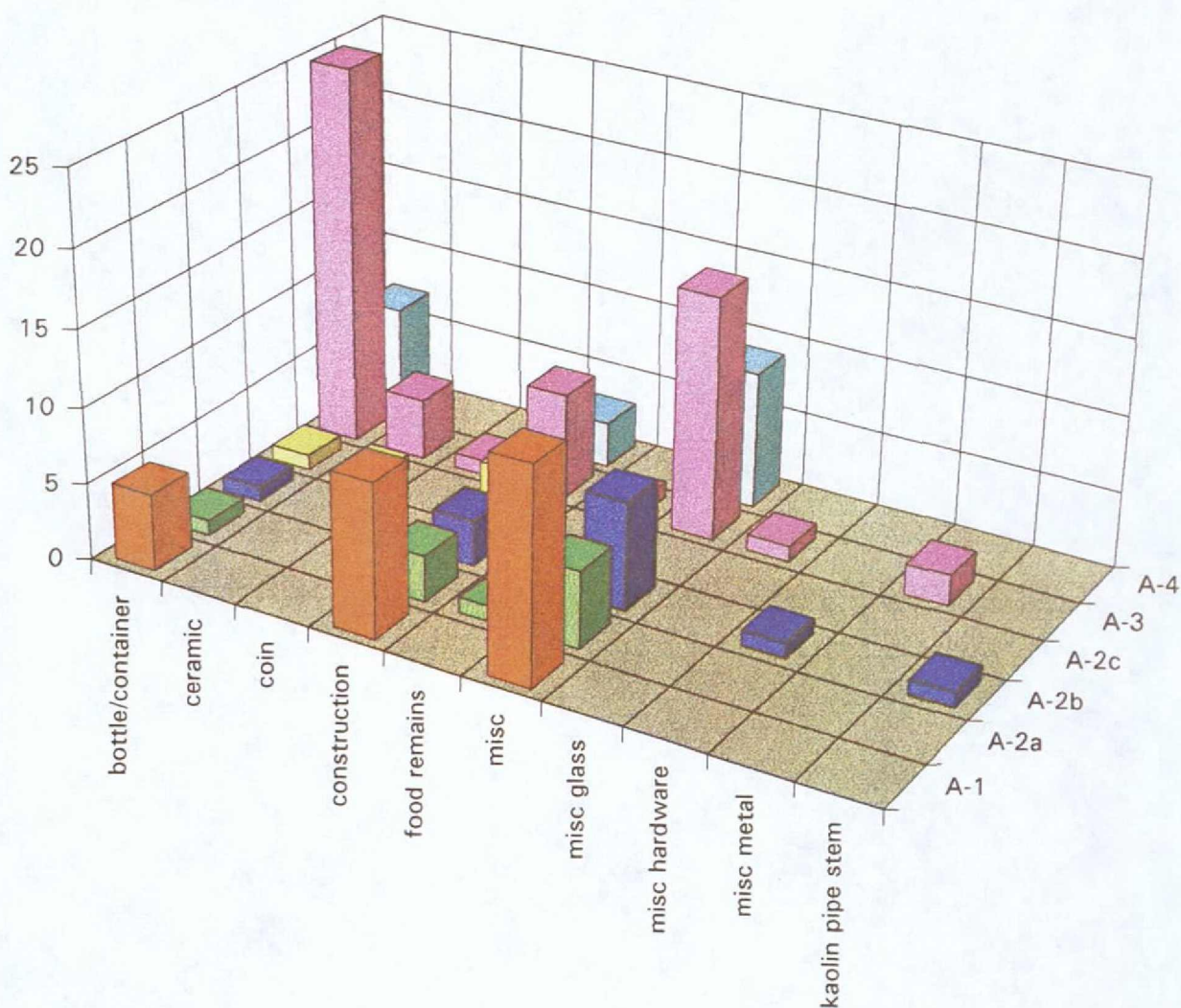


Table V. Crosstabulation and 3D histogram of relative artifact count by Class, for the six Auger Holes in Transect Line A, Lot 4.

Grossman and Associates, Inc. December, 1993.

Period
L 19-20th
20th C
n/s
Total

Bottle/container	Artifact Class								Total
	Ceramic	Coin	Construction	Food remains	Miscellaneous	Misc glass	Misc hardware	Misc metal	
33	6		16						55
7		1			14				22
			14	2	37	1	1	2	57
40	6	1	30	2	51	1	1	2	134

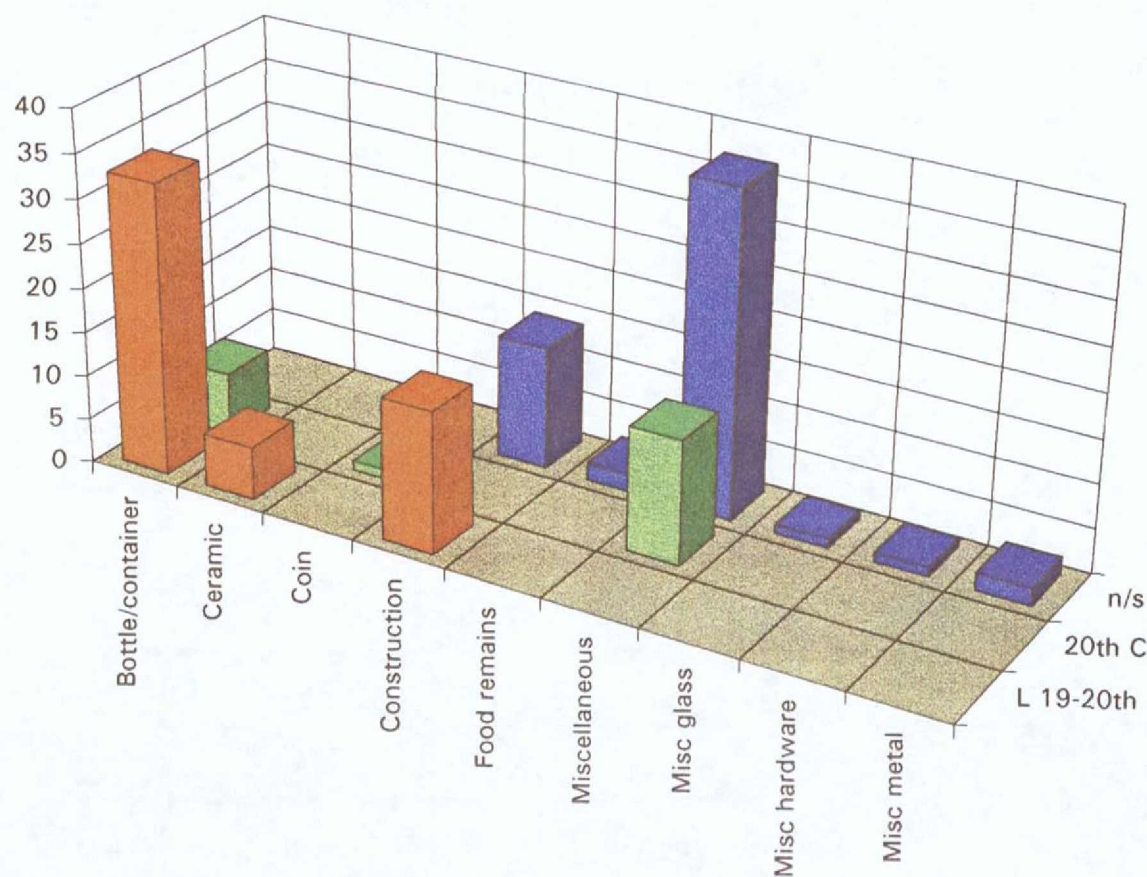


Table VI. Crosstabulation and 3D histogram of Datable Artifacts by Class recovered from Transect A, Lot 4

Class	Period			Grand total
	L 19-20th	20th C	N/S	
bottle/container	61	14	6	81
ceramic	22			22
ceramic fixture		1		1
coin		1		1
construction	70	1	88	159
food remains			9	9
household glass			3	3
jewelry			3	3
misc		84	75	159
misc glass			1	1
misc hardware			6	6
misc metal			15	15
pipe stem	1			1
tableware	1			1
Grand total	155	101	206	462

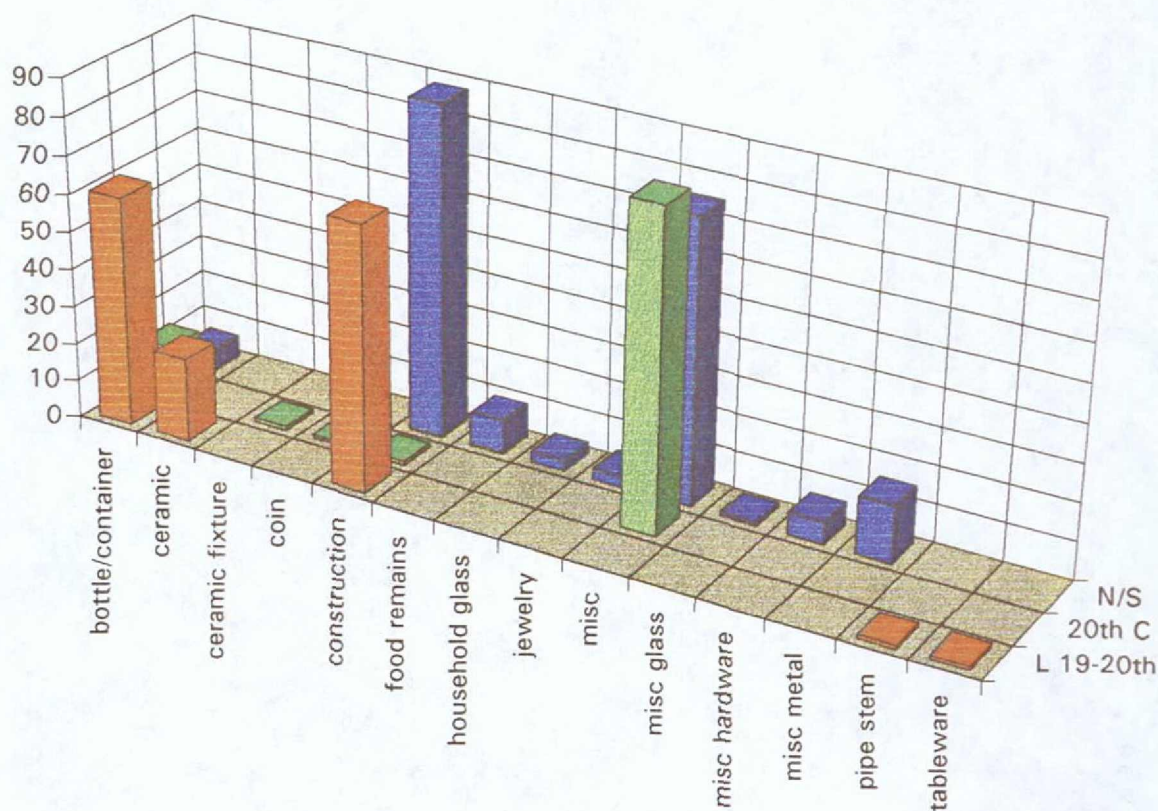


Table VII. Crosstabulation and 3D histogram of datable Artifacts by Class and Period from Lot 4

Grossman and Associates, Inc. December, 1993.

Transect	Period			Total
	L 19-20th	20th C	n/s	
A	55	22	57	134
B	75	35	96	206
C	14	5	19	38
D	11	39	34	84
Total	155	101	206	462

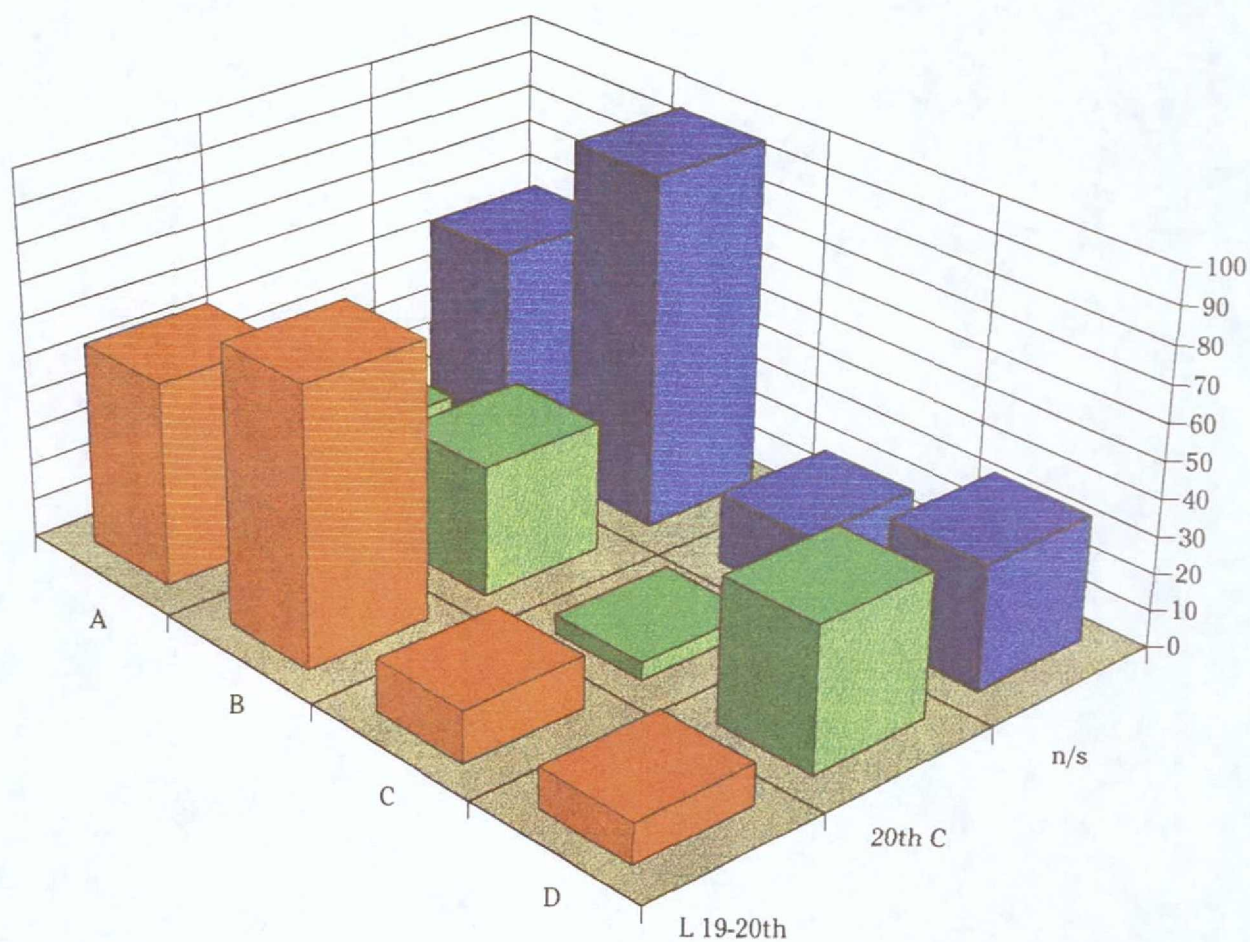


Table VIII. Crosstabulation and 3d histogram of all artifacts from Lot 4 by survey Transect and Time Period

Grossman and Associates, Inc. December, 1993.

Auger Holes

Artifact Class	A.H. 1		A.H. 2		A.H. 3		A.H. 4		A.H. 5		Total
	Count	%	Count	%	Count	%	Count	%	Count	%	
bottle/container	122	89.05	5	3.65	4	2.92	2	1.46	4	2.92	137
ceramic	16	64.00	3	12.00	4	16.00	1	4.00	1	4.00	25
construction	6	11.76	5	9.80	11	21.57	4	7.84	25	49.02	51
decorative milk glass	20	100.00									20
drain pipe	4	100.00									4
food remains	2	40.00	2	40.00			1	20.00			5
misc	6	13.95	6	13.95	17	39.53	2	4.65	12	27.91	43
misc hardware	3	60.00							2	40.00	5
misc metal	6	54.55			5	45.45					11
pipe stem	1	100.00									1
Total	186	61.59	21	6.95	41	13.58	10	3.31	44	14.57	302

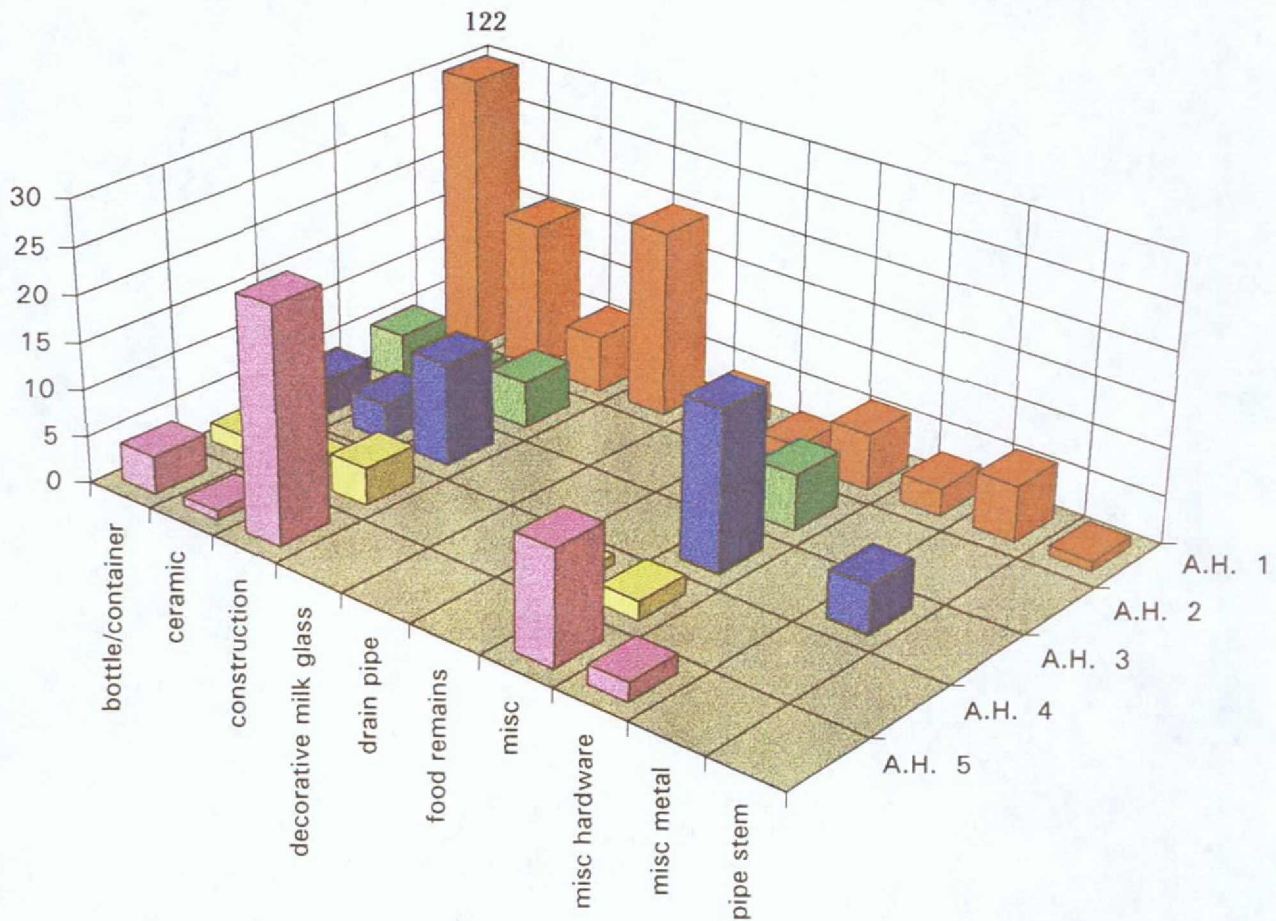
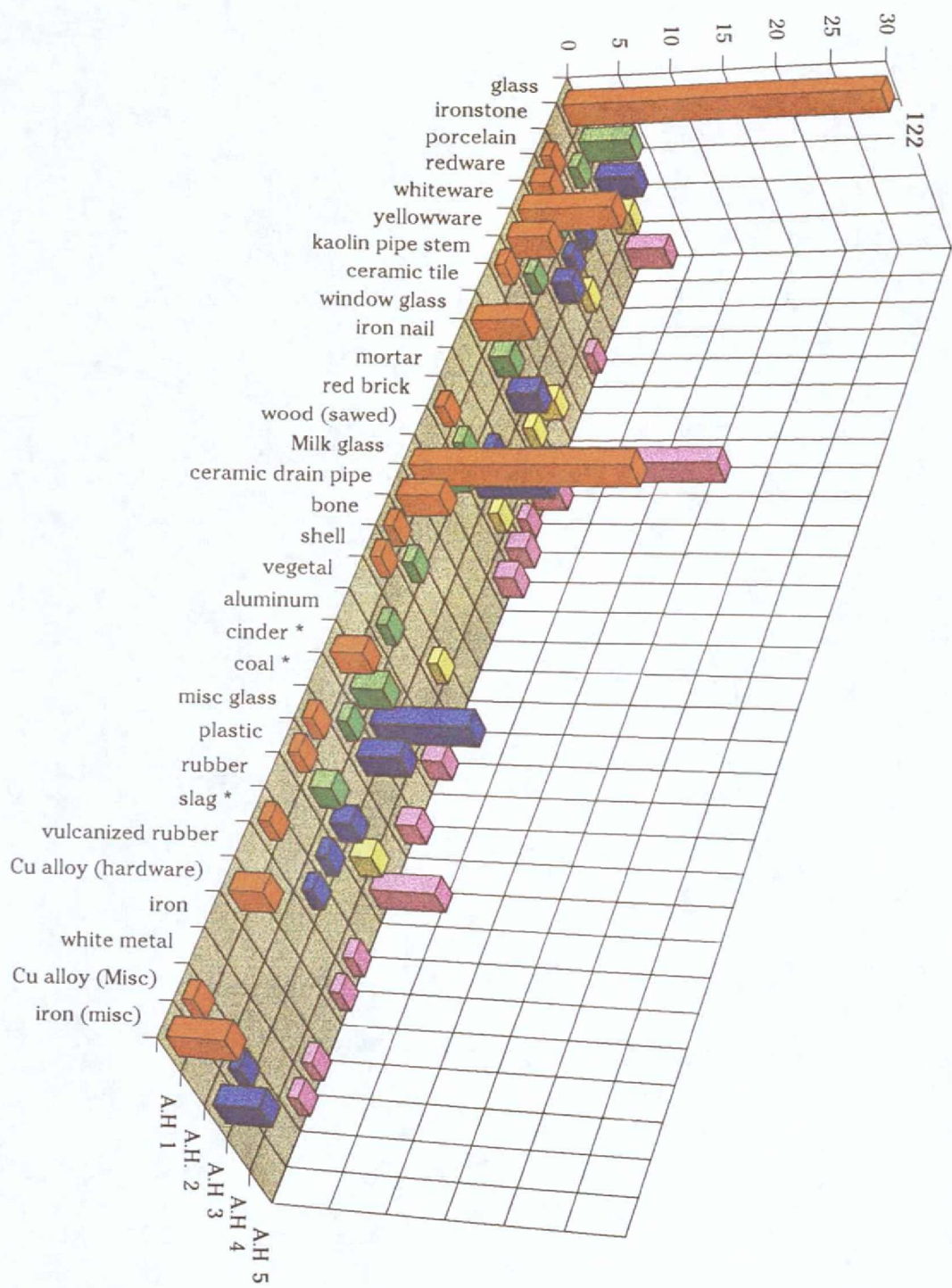


Table IX. General Artifact counts and percentages from five Auger Holes in Lot 86.

Class	Material	Context					Total
		A.H 1	A.H. 2	A.H 3	A.H 4	A.H 5	
bottle/container	glass	122	5	4	2	4	137
ceramic	ironstone		1				1
	porcelain	1		1			2
	redware	2	1	1	1		5
	whiteware	9		2		1	12
	yellowware	4	1				5
	kaolin pipe stem	1					1
construction	ceramic tile				2		2
	window glass	5	2	3	1	17	28
	iron nail					3	3
	mortar			1		1	2
	red brick	1	1	7	1	2	12
	wood (sawed)		2			2	4
decorative milk glass	Milk glass	20					20
drain pipe	ceramic drain pipe	4					4
food remains	bone	1	1				2
	shell	1			1		2
	vegetal		1				1
miscellaneous	aluminum					2	2
	cinder *	3	3	9			15
	coal *		1	4		2	7
	misc glass	1					1
	plastic	1	2	2	2	6	13
	rubber			1			1
	slag *	1		1		1	3
	vulcanized rubber					1	1
misc hardware	Cu alloy (hardware)	3					3
	iron					1	1
	white metal					1	1
misc metal	Cu alloy (Misc)	1		1			2
	iron (misc)	5		4			9
Total		186	21	41	10	44	302

* samples

Table X. Detailed crosstabulation of Artifacts by Class and Material categories from each boring in Lot 86.



Class
ceramic

Material	Auger Hole					Total
	A.H 1	A.H. 2	A.H 3	A.H 4	A.H 5	
ironstone		1				1
porcelain	1		1			2
redware	2	1	1	1		5
whiteware	9		2		1	12
yellowware	4	1				5
kaolin pipe stem	1					1
Total	17	3	4	1	1	26

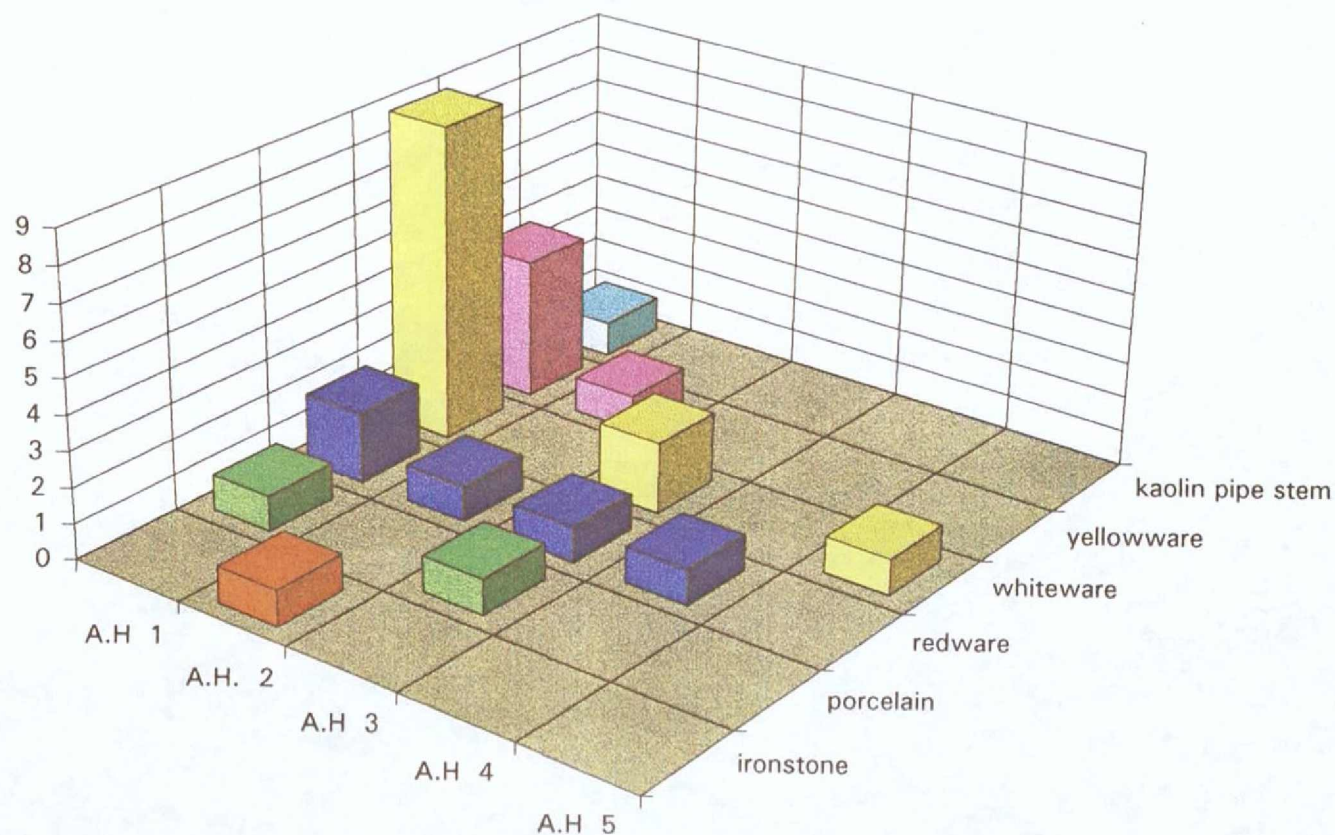


Table XII. Detailed crosstabulation of ceramic material types recovered from five Auger Holes in Lot 86.

Class
miscellaneous

Auger Hole

Material	A.H 1	A.H. 2	A.H 3	A.H 4	A.H 5	Total
aluminum						
cinder *	3	3	9		2	15
coal *		1	4		2	7
mirror glass	1					1
plastic	1	2	2	2	6	13
rubber			1			1
slag *	1		1		1	3
vulcanized rubber					1	1
Total	6	6	17	2	12	43

* samples

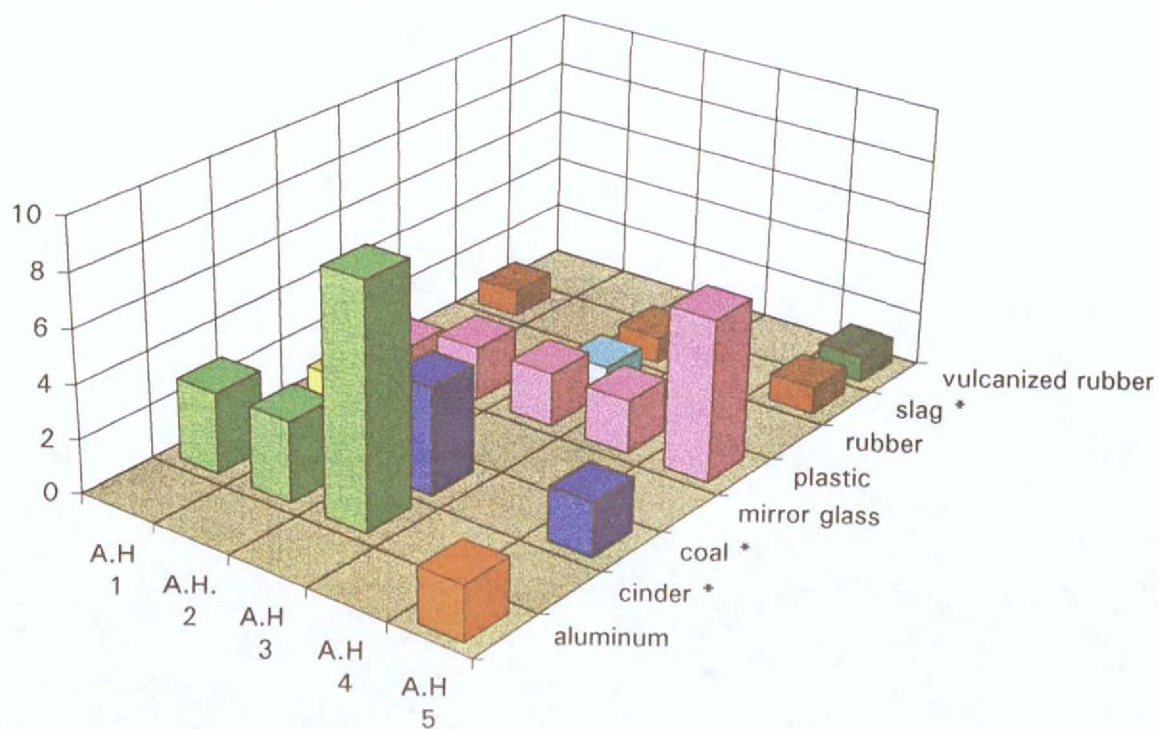


Table XIII. Detailed breakdown of predominantly modern "miscellaneous" material from Auger Holes 1 through 5 in Lot 86.

Grossman and Associates, Inc. December, 1993.

Auger Hole	Class	Period				Grand total
		L 18-19th	L 19-20th	20th C	n/s	
1	bottle/container	1	84	30	7	122
	ceramic		11		5	16
	construction		5		1	6
	decorative milk glass		20			20
	drain pipe		4			4
	food remains				2	2
	misc			1	5	6
	misc hardware				3	3
	misc metal				6	6
	pipe stem		1			1
	Total A.H. 1	1	125	31	29	186
2	bottle/container		5			5
	ceramic		3			3
	construction		2		3	5
	food remains				2	2
	misc			2	4	6
	Total A.H. 2		10	2	9	21
3	bottle/container		3	1		4
	ceramic		4			4
	construction		3		8	11
	misc			3	14	17
	misc metal				5	5
	Total A.H. 3		10	4	27	41
4	bottle/container		2			2
	ceramic		1			1
	construction		3		1	4
	food remains				1	1
	misc			2		2
	Total A.H. 4		6	2	2	10
5	bottle/container		4			4
	ceramic		1			1
	construction		12	5	8	25
	misc		1	8	3	12
	misc hardware				2	2
	Total A.H. 5		18	13	13	44
Grand total		1	169	52	80	302

Table XIV. Detailed crosstabulation of datable artifact classes by Auger Hole in Lot 86.

	Period				Grand total
	L 18-19th	L 19-20th	20th C	n/s	
A.H. 1	1	125	31	29	186
A.H. 2		10	2	9	21
A. H. 3		10	4	27	41
A. H. 4		6	2	2	10
A..H. 5		18	13	13	44
Grand total	1	169	52	80	302

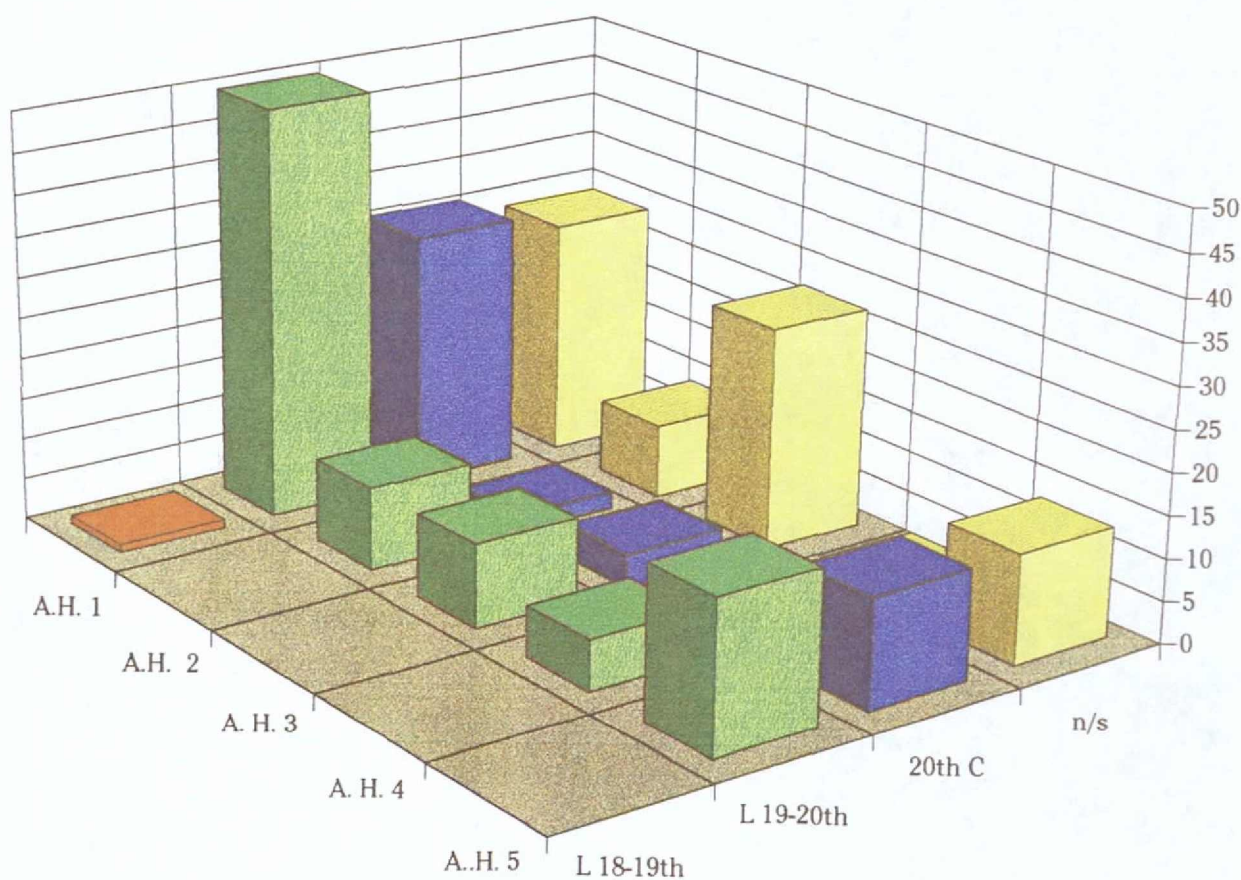


Table XV. Generalized Crosstabulation of datable artifacts by Auger Hole and general Time Period recovered from Lot 86
Grossman and Associates, Inc. December, 1993.

Period	Artifact Class										
	Bottle/container	Decorative milk glass	Pipe stem	Miscellaneous	Construction	Drain pipe	Ceramic	Food remains	Misc metal	Misc hardware	Total
L 18-19th	1										1
L 19-20th	98	20	1	1	25	4	20				169
20th C	31			16	5						52
n/s	7			26	21		5	5	11	5	80
Total	137 (45.36%)	20 (6.62%)	1 (0.3%)	43 (14.23%)	51 (16.88%)	4 (1.32%)	25 (8.27%)	5 (1.65%)	11 (3.64%)	5 (1.65%)	302

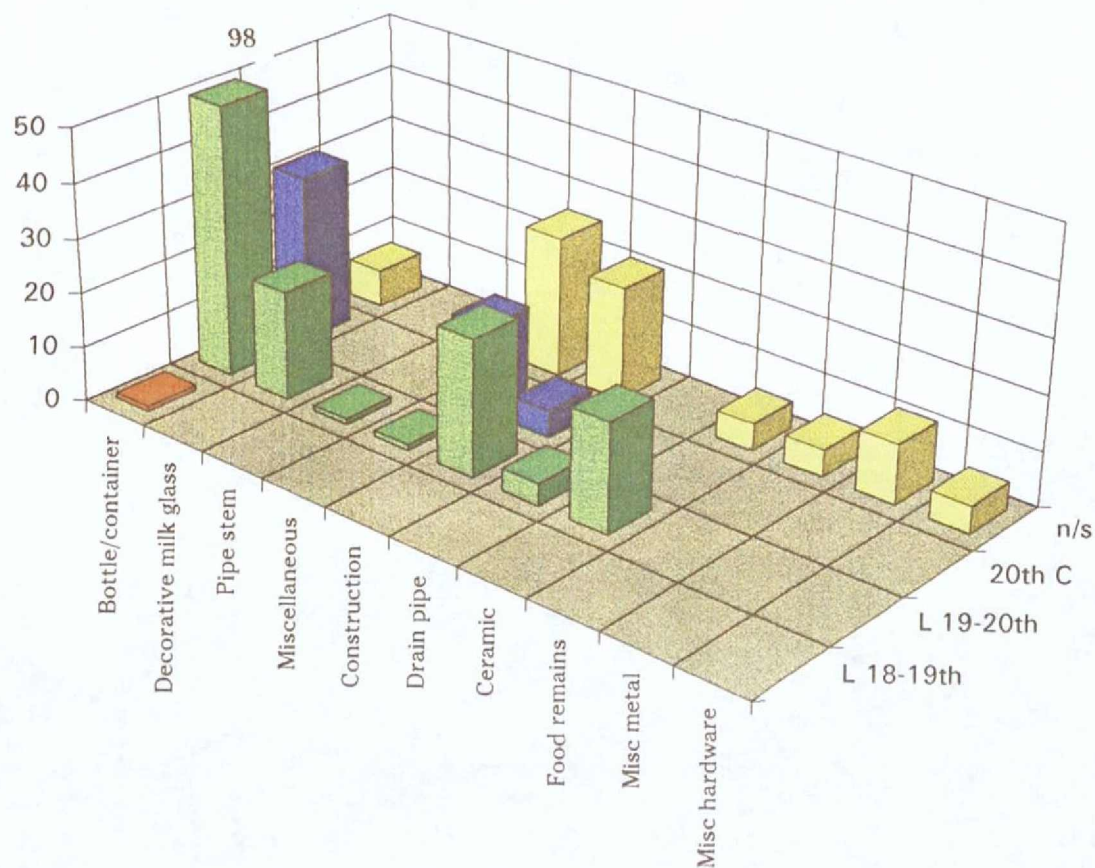


Table XVI. Detailed crosstabulation of Artifact Class categories by general time period from Lot 86.

Grossman and Associates, Inc. December, 1993.

Class	Period				Grand total
	L 18-19th	L 19-20th	20th C	n/s	
bottle/container	1	159	45	13	218
ceramic		42		5	47
ceramic fixture			1		1
coin			1		1
construction		95	6	109	210
decorative milk glass		20			20
drain pipe		4			4
food remains				14	14
household glass				3	3
jewelry				3	3
misc		1	100	101	202
misc glass				1	1
misc hardware				11	11
misc metal				26	26
pipe stem		2			2
tableware		1			1
Grand total	1	324	153	286	764

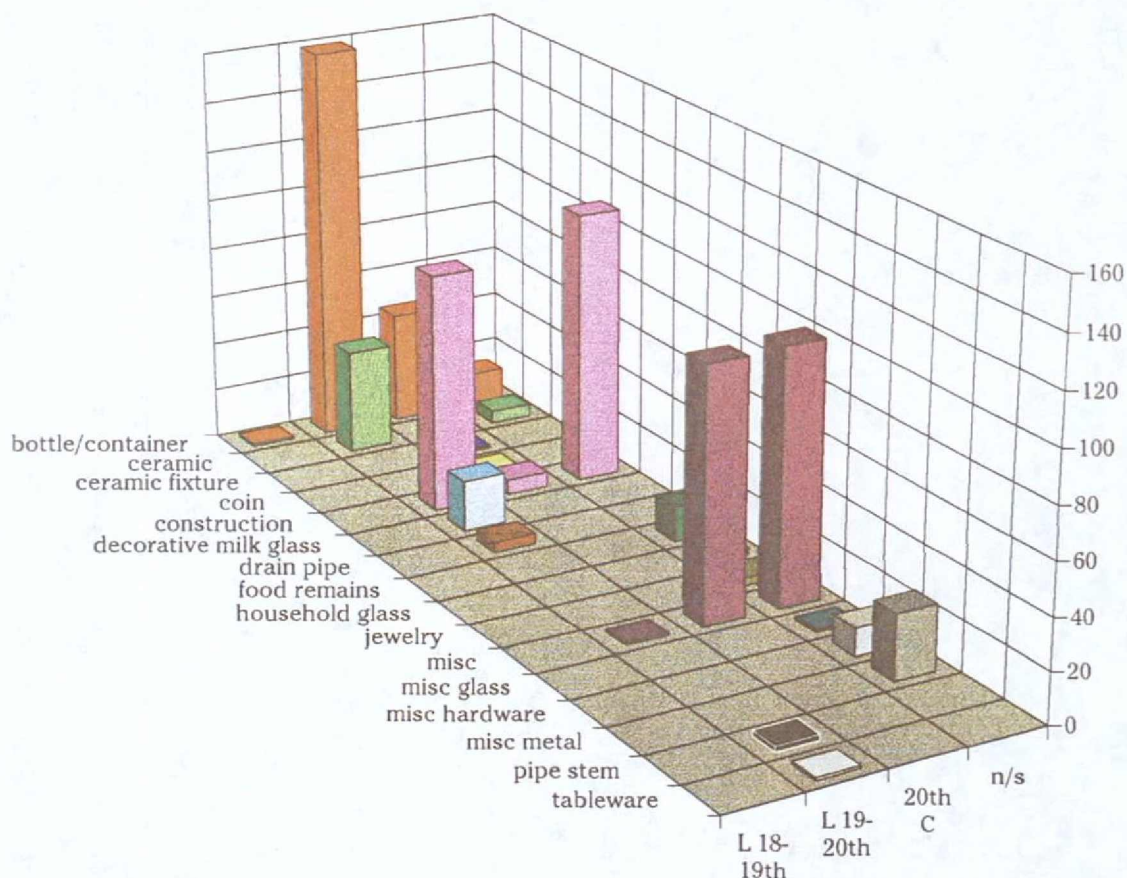


Table XVII. Summary Table of datable artifacts by Class, from both Lots.

Grossman and Associates, Inc. December, 1993.

APPENDIX I:
THE ARTIFACT INVENTORY

Flushing Manor Geriatric Center
Artifact Inventory

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CX.	Count	Weight	Class	Material	Element	Period	Comments
1-1	11		bottle/container	glass	body fragments	20th C	post 1900 amber fragments, beer bottle
1-1	7		bottle/container	glass	base/body	L 19-20th	brown fragments, possible beer bottle
1-1	3		bottle/container	glass	body fragments	L 19-20th	aqua fragments, beverage bottle
1-1	1		bottle/container	glass	body fragments	L 19-20th	green tint, possible beverage
1-1	33		bottle/container	glass	body fragments	L 19-20th	clear fragments, some with mold seams
1-1	24		bottle/container	glass	body fragments	L 19-20th	clear thick fragments, some with mold seams
1-1	3		bottle/container	glass	body fragments	L 19-20th	clear fragments, oval base
1-1	3		bottle/container	glass	base fragments	L 19-20th	clear, partially melted fragments
1-1	2		bottle/container	glass	body fragments	L 19-20th	clear, rectangular panel bottle fragments
1-1	1		bottle/container	glass	base	L 19-20th	clear, embossed "20 OZ 1"
1-1	2		bottle/container	glass	base fragments	L 19-20th	clear base fragments, round bottle
1-1	1		bottle/container	glass	base fragment	L 19-20th	clear, round 1/2 base, embossed, illegible
1-1	1		bottle/container	glass	body fragments	L 19-20th	clear, embossed "...E..", body fragment
1-1	3		bottle/container	glass	body fragments	L 19-20th	clear, embossed "MIL..", "S", "...E"
1-1	19		bottle/container	glass	rim/spout/body	20th C	clear, molded measuring cup/beaker
1-1	1		bottle/container	glass	finish fragment	L 18-19th	olive green, flattened string-rim below lip
1-1	7		bottle/container	glass	body fragments	n/s	clear, thin, possible wineglass fragment
1-1	4		decorative furnishing	glass	rim/body fragments	L 19-20th	milk glass, molded w/gilt decoration
1-1	16		decorative furnishing	glass	body fragments	L 19-20th	milk glass, molded
1-1	1		pipe	kaolin	stem fragment	L 19-20th	small bore, unmarked stem fragment
1-1	1		20th C debris	plastic	vial base	20th C	molded plastic, possible crack vial
1-1	3		construction	glass	window fragments	L 19-20th	clear flat window fragments
1-1	2		construction	glass	window fragments	L 19-20th	aqua tint flat window fragments
1-1	1		misc	glass	mirror fragment	n/s	possible mirror fragment
1-1	4		drain pipe	ceramic	pipe fragment	L 19-20th	glazed red earthenware sewer/water pipe
1-1	6		ceramic	whiteware	rim/body	L 19-20th	1850-present, blue transfer print with gilt
1-1	2		ceramic	whiteware	body	L 19-20th	1840-present, black transfer print
1-1	1		ceramic	whiteware	body	L 19-20th	1850-present, undecorated
1-1	1		ceramic	porcelain	rim	n/s	embossed flatware rimsherd
1-1	2		ceramic	redware	rim/body	L 19-20th	unglazed, possible flower pot
1-1	4		ceramic	yellowware	base/body	n/s	thick sherd, glazed int & ext
1-1	1	.3	food remains	bone	mammal fragments	n/s	weathered, possible rib fragment
1-1	1	.4	food remains	shell	unident fragment	n/s	small weathered fragment

n/s = NOT SPECIFIED

Grossman and Associates, Inc. December 1993

Flushing Manor Geriatric Center
Artifact Inventory

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CX.	Count	Weight	Class	Material	Element	Period	Comments
1-1	3		misc	cinder	fragments	n/s	sample
1-1	1		misc	slag	fragment	n/s	sample
1-1	1		misc metal	Cu alloy	fragment	n/s	flat piece
1-1	3		misc hardware	Cu alloy	strap fragments	n/s	possible decorative strap fragments
1-1	3		misc metal	iron	fragments	n/s	flat pieces, corroded
1-1	2		misc metal	iron	fragments	n/s	possible nail fragments, corroded
1-1	1		construction	red brick	fragment	n/s	1" thick, possible patio tile/brick fragment
1-2	1		bottle/container	glass	body fragment	L 19-20th	aqua tint, possible beverage bottle fragment
1-2	1		bottle/container	glass	body fragment	L 19-20th	green bottle glass fragment
1-2	3		bottle/container	glass	body fragments	L 19-20th	clear bottle glass fragments
1-2	1		ceramic	ironstone	body sherd	L 19-20th	1850-present, thick undecorated
1-2	1		ceramic	yellowware	body spall	L 19-20th	undecorated body spall
1-2	1		ceramic	redware	body sherd	L 19-20th	unglazed, possible flower pot
1-2	1	1.0	food remains	bone	mammal fragment	n/s	weathered
1-2	1		food remains	vegetal	peanut shell	n/s	probably recent
1-2	1	1.7	construction	red brick	fragment	n/s	weathered fragment, sample
1-2	2		construction	glass	window fragments	L 19-20th	aqua tint, flat window fragments
1-2	1		20th C debris	plastic	molded fragment	20th C	1930-present, molded white plastic
1-2	1		20th C debris	plastic	fragment	20th C	recent, clear plastic wrapper fragment
1-2	2		construction	wood	fragments	n/s	dressed wood fragments, traces of paint
1-2	3		misc	cinder	fragments	n/s	sample
1-2	1		misc	coal	fragment	n/s	sample
1-3	1		bottle/container	glass	body fragment	L 19-20th	aqua tint, possible beverage bottle fragment
1-3	1		bottle/container	glass	body fragment	20th C	amber fragment, possible beer bottle fragment
1-3	2		bottle/container	glass	body fragments	L 19-20th	clear, molded condiment bottle/tumbler?
1-3	2		ceramic	whiteware	body fragments	L 19-20th	1850-present, undecorated
1-3	1		ceramic	porcelain	body fragment	L 19-20th	overglaze enamel, painted
1-3	1		ceramic	redware	body sherd	L 19-20th	brown glazed interior
1-3	2		20th C debris	plastic	fragments	20th C	clear plastic wrapper fragments
1-3	2		construction	glass	window fragments	L 19-20th	clear window fragments
1-3	1		construction	glass	window fragment	L 19-20th	aqua tint window fragment
1-3	7	11.8	construction	red brick	fragments	n/s	sample
1-3	1	9.5	construction	mortar	fragment	n/s	sample
1-3	1		misc	rubber	fragment	20th C	1/2 heart shaped eraser

n/s = NOT SPECIFIED

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CX.	Count	Weight	Class	Material	Element	Period	Comments
1-3	1		misc metal	iron	fragment	n/s	possible corroded pipe fragment
1-3	1		misc metal	Cu alloy	fragment	n/s	flat piece
1-3	9		misc	cinder	fragments	n/s	sample
1-3	3		misc metal	iron	fragments	n/s	corroded sheet metal
1-3	4		misc	coal	fragments	n/s	sample
1-3	1		misc	slag	fragment	n/s	sample
1-4	1		bottle/container	glass	body fragment	L 19-20th	green bottle fragment
1-4	1		bottle/container	glass	body fragment	L 19-20th	clear bottle fragment
1-4	1		ceramic	redware	bodysherd	L 19-20th	unglazed possible flower pot sherd
1-4	1	.2	food remains	shell	fragment	n/s	unidentified shell
1-4	1	1.3	construction	red brick	fragment	n/s	sample
1-4	1		construction	glass	window fragment	L 19-20th	clear, flat window fragment
1-4	2		construction	ceramic	tile	L 19-20th	mottled brown glazed earthenware
1-4	1		20th C debris	plastic	fragment	20th C	clear plastic fragment, degraded
1-4	1		20th C debris	plastic	fragment	20th C	auto tail light, red plastic fragment
1-5	2		bottle/container	glass	body fragments	L 19-20th	aqua tint, possible beverage bottle
1-5	2		bottle/container	glass	body fragments	L 19-20th	clear, thin, possible tumbler/wine glass
1-5	1		ceramic	whiteware	body spall	L 19-20th	1850-present, undecorated, thick
1-5	12		construction	glass	window fragments	L 19-20th	clear, flat window fragments
1-5	1		construction	iron	bolt	n/s	threaded bolt, 1.5" long
1-5	2		construction	iron	nails	n/s	corroded
1-5	2		construction	wood	fragments	n/s	dressed wood fragments
1-5	5		construction	glass	window fragments	20th C	gold/amber, patterned, with alarm tape
1-5	1		misc hardware	iron	fastener	n/s	iron fastener? with nails
1-5	2	321.0	construction	red brick	fragments	n/s	samples
1-5	1	10.5	construction	mortar	fragment	n/s	sample
1-5	1		20th C debris	plastic	bottle cap	20th C	1930-present, molded white plastic "PRY OFF" cap
1-5	2		20th C debris	plastic	fragments	20th C	1930-present, molded white plastic fragments
1-5	1		20th C debris	plastic	push pin	20th C	1930-present, molded white push pin head
1-5	1		20th C debris	plastic	fragment	20th C	1930-present, molded blue plastic
1-5	1		20th C debris	plastic	fragment	20th C	1930-present, molded green plastic
1-5	2		20th C debris	aluminum	foil fragments	20th C	crumpled aluminum foil wrapper
1-5	1		misc hardware	white metal	chain	n/s	possible aluminum chain from umbrella handle?
1-5	2		misc	coal	fragments	n/s	sample

n/s = NOT SPECIFIED

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CX.	Count	Weight	Class	Material	Element	Period	Comments
1-5	1		misc	slag	fragment	n/s	sample
1-5	1		misc	vulcanized rubber	fragment	L 19-20th	vulcanized rubber or plastic
A101	1		construction	glass	safety glass	L 19-20th	post 1891, wire reinforced safety glass
A101	1		bottle/container	glass	base fragment	L 19-20th	aqua tinted bottle base
A101	1		bottle/container	glass	body fragment	L 19-20th	green tint body fragment
A101	1		bottle/container	iron	bottle cap	L 19-20th	post 1891, crown cap-crimped iron
A101	4		misc	slag	fragments	n/s	sample
A101	1		misc	cinder	fragment	n/s	sample
A101	3		misc	coal	fragments	n/s	sample
A102	2		construction	glass	safety glass	L 19-20th	post 1891, wire reinforced safety glass
A102	1		construction	iron	nail	L 19-20th	wire nail 2" length
A102	6	190.0	construction	red brick	fragments	n/s	coarse sand inclusions
A102	1		bottle/container	glass	body fragment	L 19-20th	olive green bottle fragment
A102	1		bottle/container	glass	body fragment	L 19-20th	green bottle fragment
A102	1		20th C debris	plastic	button fragment	20th C	1930-present, molded red plastic
A102	1		misc	slag	fragments	n/s	sample
A102	4		misc	coal	fragments	n/s	sample
A-2a	1	2.0	food remains	bone	mammal fragment	n/s	weathered
A-2a	1		bottle/container	glass	body fragment	L 19-20th	clear unidentified fragment
A-2a	3	1.2	construction	red brick	fragments	n/s	very small fragments
A-2a	4		misc	coal	fragments	n/s	sample
A-2a	1		misc	slag	fragment	n/s	sample
A-2b	1		pipe stem	kaolin	stem fragment	L 19-20th	small bore, unmarked stem
A-2b	1		construction	glass	window fragment	L 19-20th	aqua tint window glass fragment
A-2b	1		bottle/container	glass	rim fragment	L 19-20th	clear glass tumbler rim, tableware
A-2b	2	20.5	construction	red brick	fragments	n/s	coarse sand inclusions
A-2b	1		misc hardware	iron	washer	n/s	approx 1" diameter
A-2b	2		misc	slag	fragments	n/s	sample
A-2b	2		misc	cinder	fragments	n/s	sample
A-2b	3		misc	coal	fragments	n/s	1 burned, 1 with iron staining
A-2c	1		ceramic	redware	body sherd	L 19-20th	unglazed, probable flower pot
A-2c	1		bottle/container	glass	body fragment	L 19-20th	clear, possible vial fragment
A-2c	4		construction	glass	windows fragments	L 19-20th	aqua tint, flat window fragment
A-3	1		coin	copper	Lincoln penny	20th C	1977 US one cent

n/s = NOT SPECIFIED

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CX.	Count	Weight	Class	Material	Element	Period	Comments
A-3	3		ceramic	whiteware	body sherds	L 19-20th	1850-present, thick, undecorated
A-3	1		bottle/container	glass	body fragment	20th C	amber beer bottle fragment
A-3	4		bottle/container	glass	body fragments	20th C	bright green beer bottle fragments
A-3	1		20th C debris	plastic	fragment	20th C	1930-present, molded white plastic
A-3	3		20th C debris	plastic	fragments	20th C	clear, plastic wrapper fragments
A-3	1		ceramic	redware	body sherd	L 19-20th	unglazed, possible flower pot
A-3	1		bottle/container	glass	body fragment	L 19-20th	green bottle fragment
A-3	1		bottle/container	glass	body fragment	L 19-20th	clear, unidentified fragment
A-3	14		bottle/container	glass	body fragments	L 19-20th	clear, fragments
A-3	3		bottle/container	glass	body fragments	L 19-20th	stippled pattern, clear, possible jar
A-3	1		bottle/container	glass	body fragment	L 19-20th	brown bottle glass, possible beer
A-3	1	13.5	food remains	bone	mammal fragment	n/s	possible leg bone, maybe natural, no cut marks
A-3	2		construction	iron	nails	L 19-20th	1 wire, 1 corroded
A-3	1	1.0	construction	red brick	fragment	n/s	coarse sand inclusions
A-3	3		construction	glass	window glass	L 19-20th	clear, flat window fragments
A-3	1		misc glass	glass	fragment	n/s	clear, thick, grooved refrigerator tray type
A-3	1		construction	glass	window fragment	L 19-20th	green tinted, flat window fragment
A-3	2		misc metal	iron	fragments	n/s	corroded curved pieces
A-3	1		misc	wood	fragment	n/s	probably natural
A-3	3		misc	coal	fragmentw	n/s	sample
A-3	3		misc	cinder	fragments	n/s	sample
A-3	3		misc	slag	fragments	n/s	sample
A-3	2		20th C debris	plastic	fragments	20th C	post 1930-present, pink molded plastic
A-4	1		20th C debris	plastic	fragments	20th C	post 1930-present, beige molded plastic
A-4	2		20th C debris	plastic	fragments	20th C	post 1950-present, white molded cup lid
A-4	1		20th C debris	plastic	wrap fragment	20th C	clear plastic wrap fragment
A-4	3		20th C debris	plastic	foil fragment	20th C	crumpled aluminum foil, wrapper?
A-4	1		bottle/container	glass	body fragment	20th C	bright green beer bottle fragment
A-4	1		bottle/container	glass	body fragment	20th C	brown beer bottle fragment
A-4	1		bottle/container	glass	body fragment	L 19-20th	purple fragment, unidentified
A-4	1		bottle/container	glass	body fragment	L 19-20th	aqua tint bottle fragment, possible beverage
A-4	3		bottle/container	glass	body fragments	L 19-20th	clear bottle fragments
A-4	1		construction	wood	fragment	n/s	possibly construction related
A-4	1	314.0	construction	red brick	fragment	n/s	corner fragment, coarse sand inclusions

n/s = NOT SPECIFIED

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CX.	Count	Weight	Class	Material	Element	Period	Comments
A-4	1		construction	iron	nail	L 19-20th	wire nail, 3" long
A-4	1		misc	slag	fragment	n/s	sample
A-4	1		misc	cinder	fragment	n/s	sample
B-1	1		20th C debris	plastic	fragment	20th C	clear plastic wrapper fragment
B-1	20		construction	glass	safety glass	L 19-20th	post 1891 wire reinforced safety glass
B-1	1	1.1	construction	red brick	fragment	n/s	small fragment
B-1	1	72.5	construction	buff brick	fragment	n/s	buff brick, possible fire brick
B-1	2		construction	glass	fragments	L 19-20th	aqua tint, flat window fragments
B-1	2		construction	iron	nails	L 19-20th	wire nails 2 1/2" long, whole
B-1	3		construction	iron	nails	L 19-20th	wire nail fragments, corroded
B-1	1		misc	coal	fragment	n/s	sample
B-1	2		misc	slag	fragments	n/s	sample
B-1	1	2.5	food remains	bone	mammal fragment	n/s	cut/saw marks-butchered
B-1	1		bottle/container	glass	body fragment	L 19-20th	clear unidentified fragment
B-2	1		20th C debris	plastic	film roll	20th C	wound, exposed roll of 35mm. film
B-2	1		bottle/container	glass	body fragment	L 19-20th	clear bottle fragment
B-2	1		bottle/container	glass	body fragment	L 19-20th	green bottle fragment
B-2	3		ceramic	redware	body sherds	L 19-20th	unglazed, possible flower pot
B-2	1		jewelry	glass	bead	n/s	5/8" diameter, patinated, hole for stringing
B-2	1	.2	misc	bone	rodent	n/s	probably natural
B-2	1		20th C debris	plastic	burned fragment	20th C	unidentified plastic fragment
B-2	5		construction	glass	window fragment	L 19-20th	aqua tint window glass fragments
B-2	1		construction	ceramic	tile fragment	L 19-20th	white glazed domestic tile-kitchen/bath
B-2	3		construction	iron	nails	L 19-20th	1 3" wire nail, 2 broken
B-2	1		construction	mortar	fragment	n/s	sample
B-2	1		construction	concrete	fragment	n/s	sample
B-2	1		construction	gneiss	cut fragment	n/s	sample of building stone
B-2	6		construction	slate	roofing tile fragments	n/s	cut gray slate fragments-probably roofing tile
B-2	1		construction	asphalt/tar	shingle fragment	20th C	asphalt/tar paper/pebble shingle
B-2	8	74.0	construction	fire brick	fragments	n/s	coarser sand, lighter weight red brick
B-2	16	445.0	construction	red brick	fragments	n/s	one larger piece, no markings
B-2	1		misc	wood	fragment	n/s	burned, sample
B-2	1		misc	coal	fragment	n/s	burned, sample
B-2	1		misc	slag	fragment	n/s	sample

n/s = NOT SPECIFIED

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CX.	Count	Weight	Class	Material	Element	Period	Comments
B-3	1		bottle/container	glass	body fragment	20th C	amber, beer bottle fragment
B-3	1		construction	iron	nail	L 19-20th	bent, corroded
B-3	7		misc metal	iron	flat fragments	n/s	container? corroded fragments
B-3	1		misc metal	iron	fragment	n/s	folded over rim section-container
B-3	1		misc metal	iron	fragment	n/s	corroded
B-3	1		misc	slag	fragment	n/s	sample
B-4	2		20th C debris	plastic	straw fragments	20th C	2 types, drinking straw fragments
B-4	1		20th C debris	plastic	tube fragment	20th C	narrow diameter, clear plastic tube section
B-4	1		20th C debris	plastic	cigarette filter	20th C	recent? chambered plastic filter
B-4	2		20th C debris	plastic	pull tabs	20th C	post 1962 aluminum can pull tabs
B-4	2		20th C debris	plastic	fragments	20th C	clear fragments-rigid plastic
B-4	1		20th C debris	vinyl	fragment	20th C	blue vinyl fragment
B-4	4		20th C debris	plastic	wrapper fragments	20th C	clear plastic wrap/wrapper fragments
B-4	1		20th C debris	plastic	fragment	20th C	post 1930 molded white plastic fragment
B-4	1		20th C debris	cotton fiber	cigarette filter	20th C	recent? cotton fibers-cigarette filter
B-4	4		bottle/container	glass	neck/finisk	20th C	post 1903, green glass, possible quart bottle
B-4	7		20th C debris	aluminum	foil fragments	20th C	crumpled aluminum foil wrapped fragments
B-4	1		ceramic	whiteware	body sherd	L 19-20th	post 1850-present, blue transfer print
B-4	2		ceramic	whiteware	body sherds	L 19-20th	post 1850-present, tiny, undecorated
B-4	1		ceramic	buff earthenware	body spall	L 19-20th	green glaze one side, buff body spall
B-4	1		ceramic fixture	porcelain	fragment	20th C	possible electric related fuse fragment
B-4	1		jewelry	artificial pearl	bead	n/s	3/8" diam, laminated material, center hole for stringing
B-4	1		jewelry	glass	bead	n/s	5/8" diam, opaque white glass, center hole for stringing
B-4	1		20th C debris	styrofoam	fragment	20th C	recent? styrofoam cup fragment
B-4	1		tableware	glass	plate rim	L 19-20th	molded probable octagonal plate-clear glass
B-4	1		household glass	glass	timer fragments	n/s	clear glass egg timer? partial, hourglass shaped
B-4	1		bottle/container	glass	body fragment	L 19-20th	aqua tint bottle fragment
B-4	1		bottle/container	glass	body fragment	20th C	amber beer bottle fragment
B-4	1		bottle/container	glass	body fragment	L 19-20th	clear, stippled pattern, bottle/jar fragment
B-4	10		bottle/container	glass	body fragments	L 19-20th	clear, unidentified
B-4	3		bottle/container	glass	body fragments	L 19-20th	clear with pink tint, 2 partially melted
B-4	1		bottle/container	glass	vial rim	L 19-20th	clear, very thin, possible vial
B-4	5		bottle/container	glass	body fragments	n/s	clear, thin, unidentified
B-4	1		bottle/container	glass	neck/finish	20th C	light green tint probable beverage bottle

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CX.	Count	Weight	Class	Material	Element	Period	Comments
B-4	1		bottle/container	glass	finish fragment	L 19-20th	3/4" rim diam, clear glass partial finish, corked?
B-4	2	4.6	food remains	shell	clam fragments	n/s	weathered fragments
B-4	1		bottle/container	iron	cap fragment	n/s	very corroded iron partial cap/closure
B-4	5		construction	glass	windows fragments	L 19-20th	aqua tint, flat window fragments
B-4	3		construction	glass	window fragments	L 19-20th	clear, flat window fragments
B-4	2		construction	iron	nails	L 19-20th	2 1/2" long wire nails
B-4	1		construction	plaster	fragment	n/s	small white plaster fragment
B-4	2		construction	wood	fragments	n/s	dressed wood fragments
B-4	2		construction	mortar	fragments	n/s	hard mortar, one with brick fragment
B-4	1		construction	slate	fragment	n/s	possible roof tile fragments
B-4	13	224.5	construction	fire brick	fragments	n/s	grooved red fire brick? fragments
B-4	1	12.0	construction	red brick	fragment	n/s	fragment
B-4	1		misc hardware	iron	washer	n/s	1/2" diam, corroded washer
B-4	1		misc hardware	iron	ring	n/s	3/4" diam, corroded ring/gasket
B-4	1		misc hardware	Cu alloy	clip fastener	n/s	possibly electric related?
B-4	1		misc hardware	Cu alloy	fastener	n/s	fastener?, door/window hardware?
B-4	1		misc metal	iron	fragment	n/s	possible strap fragment, 1/2" wide
B-4	1		misc metal	iron	fragment	n/s	flat, sheet metal fragment
B-4	2		misc	coal	fragments	n/s	sample
B-4	2		misc	slag	fragments	n/s	sample
B-4	1		misc	glass	fragment	n/s	thin, curved, ornamental light bulb fragment?
C-2	1		bottle/container	glass	body fragment	L 19-20th	aqua, thick, fragment, embossed "...N..." unidentified
C-2	2		ceramic	redware	rim/body	L 19-20th	unglazed, possible flower pot
C-2	1		construction	glass	window fragment	L 19-20th	aqua tint, flat window fragment
C-2	1		construction	iron	nail	L 19-20th	wire nail, bent, corroded
C-2	2		construction	mortar	fragments	n/s	coarse matrix mortar
C-2	2		misc	cinder	fragments	n/s	small fragments
C-3	1		ceramic	whiteware	basesherd	L 19-20th	post 1850-present, red & black painted floral
C-3	1		construction	glass	window fragment	L 19-20th	aqua tint, flat window fragment
C-3	4		misc	coal	fragments	n/s	sample
C-3	3		misc	cinder	fragments	n/s	sample
C-4	1		ceramic	redware	body spall	L 19-20th	clear glazed redware, spalled
C-4	1		bottle/container	glass	neck finish	L 19-20th	clear glass, possible medicine, corked
C-4	4		bottle/container	glass	body fragments	L 19-20th	clear, unidentified

n/s = NOT SPECIFIED

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CX.	Count	Weight	Class	Material	Element	Period	Comments
C-4	1		20th C debris	styrofoam	cup fragment	20th C	recent, styrofoam cup
C-4	4		20th C debris	plastic	fragments	20th C	clear plastic wrap/wrapper fragments
C-4	1		food remains	vegetal	peanut	n/s	probably recent, with shell
C-4	1		construction	glass	window fragment	L 19-20th	aqua tint, flat window fragment
C-4	2	14.0	construction	red brick	fragments	n/s	small fragments
C-4	1		construction	iron	spike fragment	n/s	tip section of railroad type spike/broken chisel
C-4	2		misc	coal	fragments	n/s	sample
C-4	2		misc	cinder	fragments	n/s	sample
D-2	1		bottle/container	glass	fragment	L 19-20th	clear unidentified bottle fragment
D-2	1		ceramic	redware	body sherd	L 19-20th	unglazed, possible flower pot
D-2	1		ceramic	whiteware	rim sherd	L 19-20th	post 1850-present embossed and hand painted
D-2	4		20th C debris	plastic	vial bases	20th C	recent, molded clear, possible crack vials
D-2	5		20th C debris	plastic	vial caps	20th C	recent, molded blue, possible crack vial caps
D-2	2		20th C debris	cotton fiber	cigarette filters	20th C	recent, cigarette filters
D-2	1		20th C debris	plastic	wrap fragment	20th C	clear plastic wrap/wrapper fragment
D-2	1		20th C debris	latex	balloon fragment	20th C	bright red balloon fragment
D-2	2		20th C debris	paper	fragments	20th C	recent, pieces of paper towel or napkin
D-2	2		household glass	glass	fragments	n/s	flat, clear w/beveled edge-decorative?
D-2	2		construction	wood	fragments	n/s	dressed wood with traces of white paint
D-2	1	2.7	construction	red brick	fragment	n/s	small fragment
D-2	1		construction	glass	window fragment	L 19-20th	tiny, clear, flat window fragment
D-2	2		misc metal	iron	fragments	n/s	corroded fragments, possible nails
D-2	1		misc	coal	fragment	n/s	sample
D-2	1		misc	slag	fragment	n/s	sample
D-3	1		bottle/container	glass	body fragment	L 19-20th	aqua tint bottle fragment
D-3	2		ceramic	whiteware	body sherds	L 19-20th	1840-present black transfer print with red painted highlights
D-3	2		ceramic	whiteware	base sherds	L 19-20th	1850-present, badly spalled, hollowware
D-3	1		construction	iron	nail fragment	L 19-20th	badly corroded nail fragments
D-3	2	1.7	construction	red brick	fragments	n/s	small fragments
D-3	1	.2	misc	charcoal	fragments	n/s	charred wood fragment
D-4	3		20th C debris	styrofoam	fragments	20th C	recent? styrofoam cup fragments
D-4	1		20th C debris	plastic	cup lid	20th C	"PLASTICWARE NORTHWALES, PA", take-out cup lid
D-4	1		20th C debris	plastic	cup lid fragment	20th C	recent, clear plastic soda take-out lid fragment
D-4	5		20th C debris	plastic	fragments	20th C	red plastic, 1 molded, 3 possible table cover, 1 flat

n/s = NOT SPECIFIED

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Flushing Manor Geriatric Center
Artifact Inventory

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CX.	Count	Weight	Class	Material	Element	Period	Comments
D-4	2		20th C debris	plastic	fragments	20th C	post 1930 blue molded fragments
D-4	1		20th C debris	plastic	string	20th C	knotted section clear plastic string
D-4	1		20th C debris	plastic	food wrapper	20th C	recent "KRAFT CHEEZ'N CRACKERS" wrapper
D-4	1		20th C debris	plastic	food wrapper	20th C	recent "WISE" potato chip bag
D-4	1		20th C debris	plastic	food wrapper	20th C	recent clear plastic rectangular wrapper
D-4	4		20th C debris	plastic	wrap fragments	20th C	clear plastic wrap/wrapper fragments
D-4	4		20th C debris	aluminum	foil fragments	20th C	crumpled wrap/wrapper fragments
D-4	1		construction	iron	screw	n/s	threaded, regular head screw
D-4	7		construction	red brick	fragments	n/s	small fragments
D-4	1		construction	glass	window fragment	L 19-20th	clear, flat window glass fragment
D-4	1		construction	asphalt	fragment	n/s	macadam/asphalt chunk, paving material
D-4	1		misc hardware	iron	strip	n/s	thin, narrow strip-possible frame part
D-4	2		misc	unident	fragments	n/s	possible paint/putty lumps
D-4	3	12.5	food remains	bone	cut fragments	n/s	sawed, butchered mammal bone fragments
D-4	7		misc	bone	whole	n/s	possibly natural, leg, foot, vertebra

n/s = NOT SPECIFIED

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