



**ARCHAEOLOGICAL FIELD
INVESTIGATION**

136-33 37TH AVENUE

**BLOCK 4977, LOTS 94 AND 95
136-33 and 136-35 37th Avenue**

FLUSHING, QUEENS, NEW YORK

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Prepared For:

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I. INTRODUCTION

The 136-33 37th Avenue Realty, LLC (Realty) has proposed construction of a new mixed-use building on two privately owned lots in the Flushing neighborhood of Queens County, New York. The proposed multi-story development will combine 15,000 sq. ft. of commercial space on the lower floors and professional offices on the upper floors. The location is designated Block 4977, Lots 94 and 95, and falls within the block bounded by Main Street on the west, 37th Avenue on the south, Union Street on the east, and Northern Boulevard on the north (Figure 1). The northern boundary of Lot 94 abuts a historic burial ground (Religious Society of Friends). The irregularly shaped property consists of two lots, Lot 95 (136-33 37th Avenue) and Lot 94 (136-35 37th Avenue) which have a combined frontage of 55.4 feet on 37th Avenue, extends 200 feet north from 37th Avenue, and has a 82.88-foot lot line at the back (south side) of the property (Figure 2). At the time of the field investigation, the property was occupied by a restaurant building, and the remainder was a paved parking lot (Photographs 1 and 2).

In accordance with New York City Environmental Quality Review (CEQR) regulations and procedures, the New York City Landmarks Preservation Commission (LPC) reviewed the proposed action and requested an Archaeological Documentary Study, often referred to as a Phase IA, for this undertaking. The requested Documentary Study was completed by Historical Perspectives (HPI) and submitted to LPC (Schaeffer 2009). The report concluded that potential homelot shaft features predating the introduction of public water and sewer might survive at discrete locations within Lot 94 of the project site. Testing prior to construction was recommended. In addition to the potential for 19th century homelot resources, the report concluded that although the potential for human burials within the project Lot 94 is low, consideration for accidental intrusion from the adjoining burial ground should be incorporated into the testing strategy and field management procedures.

LPC concurred with the Documentary Study's findings of potential sensitivity and concern and requested a protocol for field testing a portion of the Area of Potential Effect (APE). The archaeology protocol and field methodology was created by HPI utilizing LPC's *Guidelines* (2002) and was approved by LPC prior to field testing.

Three possible test trench locations were specified for the Lot 94, or APE field examination. The protocol also stated that if testing within Trench 1 identified historical domestic features along the rear, or northern boundary of Lot 94, further testing for homelot features within Trenches 2 and 3 might not be indicated and discussions with LPC would ensue from the field. During the field examination, the archaeology team remained in contact with LPC and completed testing in December 2009 (LPC Communications 12/01/09, 12/02/09, 12/03/09, 12/04/09, 12/07/09). The results of the field investigation are contained in this report.

II. HISTORICAL SETTING

Flushing experienced numerous upheavals related to political and religious controversies during the Colonial Period. Power struggles between the Dutch and English and restrictive policies relating to the freedom of religion for Quakers was the root of many of the disagreements surrounding the people living in this area. The Quaker community had grown from its early roots in the late 17th

century when John Bowne purchased three acres of land immediately north of the project APE to build a meetinghouse (Inskeep 1998:71). Notwithstanding all of the early strife, Flushing village grew and by the 18th century it became the center of a thriving agricultural community, which was famous for the production of wheat and other crops.

Research found that by 1855 the village had a population of 3,488, spurred by the improvement of transportation links with New York City and other towns on Long Island. The ease of transporting agricultural goods to the urban markets allowed the residents to prosper. During the later half of the 19th century Flushing was characterized by the development of residential estates. The improved transportation connections and the beautiful countryside provided ample locales for the construction of country houses for urbanites. Although the residential/estate development spread eastward and southward throughout the larger community after the Civil War, Flushing Village retained its commercial makeup.

By the end of the 19th century, Flushing became part of the Borough of Queens and therefore a part of New York City. During the 20th century, commercial development expanded beyond the village center with the introduction of the trolley system, which was followed by the subway and eventually improved roads for vehicles. Increased access brought a flurry of homebuyers and encouraged the heavy commercialization of the main roads in the village seen today.

History of the Project Site

The 1837 deed of the sale of a land parcel, now identified as Lots 94 and 95, is the earliest record indicating the presence of a building within Lots 94 and 95. The property was sold by Isaac Peck to Charles Miller and transfers “all that certain Messuage or dwelling house and lot piece or parcel of ground” (Deed Liber 75:453). Peck had originally purchased the property in 1828, thus indicating that the dwelling was constructed between 1828 and 1837. An 1841 map records a large dwelling (occupied by Miller) along the 37th Avenue (Lot 95) with a large rear yard (Lot 94) behind the building (Schaefer, 2009, Figure 6). The large parcel belonging to the Society of Friends (Quakers) was depicted immediately to the north of the APE and fronting on Northern Boulevard (formerly Broadway).

Flushing resident and builder, Henry S. Barto purchased the project APE sometime prior to 1859. A map from that date depicts an additional el to the main dwelling and the presence of two outbuildings, one at the northwest corner of the lot, and the other at the center of the lot (Schaefer, 2009, Figure 7). Map research found that the structure at the center of the lot was removed before 1886 and the small square building, later described as a 1½-story, wood frame shed, was removed prior to 1917. Between 1886 and 1917, an open-sided, one-story, wood frame structure was built to the east of the shed, extending along the entire rear (north) lot line of the APE. The building was identified as [chicken] “COOPS” in 1903 (Sanborn 1903), and “Wagon Shed” in 1892 (Schaefer, 2009, Figures 9, 10). Between 1913 and 1917 the sheds were removed, and replaced by an irregularly shaped, one-story, wood frame automobile garage and chicken coop.

The original lot was divided into the current configuration (Lots 94 and 95) by 1934. At that time, the dwelling was located on Lot 95 and the former rear yard, Lot 94, was being used as an auto repair shop. By 1951, the building on Lot 95 was identified as the location of a commercial

enterprise. By the late 20th century, the entire auto repair shop location had been paved and used as a parking lot.

III. FIELD METHODOLOGY/RESEARCH DESIGN

A visual inspection of the project APE found that the majority of the ground surface was covered by disturbed soils and a significant layer of modern architectural demolition debris and trash. As noted in the testing protocol, the objective of field testing a portion of Lot 94 was to (1) ascertain the presence/absence of historical archaeological deposits and possible buried backyard features dating from the 19th century occupation of the project site; and (2) determine the potential significance of recovered resources.

Potential Resources: Residential

The project site, or APE, was identified as potentially sensitive for historical features (e.g., cisterns, privies and wells) dating to the period of earliest residential occupation, ca. 1827 to 1838. Back lots of dwellings have the potential to contain a myriad of buried cultural resources, and in most cases it is the location of shaft features (wells, cisterns, privies) used by the residents prior to the advent of public utilities. These resources are easily identified and often the receptacle of household refuse, especially when they were no longer needed. The shafts were usually filled and capped providing stratified deposits within the feature. Because of the unique depth of these resources, the lowest levels are often found undisturbed even if the feature becomes truncated by subsequent historical activity.

Residents of the APE had to rely on private wells and cisterns until 1874, approximately 40 years, and on privies for approximately 50 years. Assemblages of historic artifacts are often preserved in privies, cisterns, or wells, which in the days before the construction of municipal services—namely sewers and a public water supply—would normally be located in the yard behind the dwelling. Lot 94, the former back yard of a historical dwelling, was determined to be potentially sensitive for features dating to the period of residential occupation, ca. 1828 to the early 20th century.

According to the CEQR guidelines for cultural resources, the determination of potential significance of a project site is directly related to whether the identified resource type “is likely to contribute to current knowledge of the history of the period in question” (Section 321.2. Determine Significance of Past Uses that May Remain). The determination of significance is largely dependent on the research issue identified in the Documentary Study: *Consumption patterns that reflect the mid-19th century commercial development of the Village of Flushing.*

Consumption patterns are strongly influenced by socioeconomic status, occupation, household composition and ethnicity. What a person buys and/or uses on a routine basis is behavior that reflects the multiple components of that individual’s life. The historic Lot 94 was a part of the rapid expansion of the Village of Flushing during the middle decades of the 19th century.

Potential Resources: Human Remains

Because of the proximity of the Flushing Friends Meeting House/Burying Ground to the northern boundary line of Lot 94, it was determined that there was a slim possibility that the

excavations at the northern limits of Lot 94 would encounter non-monumented interments dating from between ca.1717 – ca.1830. LPC requested a consultation agreement between the archaeological team and the Flushing Monthly Meeting of the Religious Society of Friends in the event that human remains were encountered in the archaeological trench excavations adjacent to the Lot 94 northern lot lines..

The completed agreement, signed in November of 2009, noted that if the on-site Forensic Anthropologist identified human remains during the excavations of Trench 1, HPI would immediately notify LPC and the Flushing Monthly Meeting of the Religious Society of Friends and follow the agreement procedures. HPI contracted with a forensic anthropologist, Vincent Stefan, to consult with the Project Archaeologist in the event that any suspected human bone was recovered.

Field Procedures

To reiterate, the primary objective of the field testing was to ascertain the presence or absence and nature of any buried cultural resources on the site. In order to achieve this goal, a number of field procedures were undertaken at the site, which were originally established by the field protocol as follows:

- 1) The identification of the area of potential effect was based on the information derived from the Archaeological Documentary Study data within the current APE (Schaeffer, 2009);
- 2) Up to three machine-excavated test trenches were planned for the project site (field investigations were restricted to the location identified as sensitive for possible archaeological resources). The number and size of each proposed trench was established in the approved protocol (Figure 3). If testing within Trench 1 identified truncated shaft features along the rear, or northern boundary of Lot 94, further testing for homelot features might not be indicated. In this instance, the Project Archaeologist would consult with LPC regarding the necessity for the excavation of Trenches 2 and 3;
- 3) The excavation protocol called for the HPI archaeologists to begin the trench examinations with the careful mechanical removal of the surface pavement and underlying modern overburden, in order to determine if there are subtle changes in soil that might indicate the presence of truncated shaft features. For this process a 24-inch backhoe or Gradall was requested;
- 4) Soils within each of the trenches were removed by the backhoe under the direction of the archaeologists. Following the careful removal of the surface layers, Trench 1 was scrutinized for any evidence of soil stains that might indicate burial shafts. Once this visual examination is complete, several test units were hand excavated in Trench 1 to help determine the depth of fill and site stratigraphy;
- 5) Any features exposed during testing were explored by both mechanical and hand excavations;
- 6) All features were recorded using the metric system;
- 7) All appropriate notes and photographs were completed;
- 8) Soils were screened with ¼ inch mesh; and,

- 9) Artifacts were collected from within the remaining portions of the truncated features (2, 3 and 5). The artifacts collected were packaged for removal to the laboratory for cleaning, cataloging, and analysis (Appendices A and B).

The field actions were designed to ensure that any potential features within Trench 1 were completely explored. Because of the size of potential features within the APE, a combination of hand and mechanical excavation methods were planned to ensure that the features would be sufficiently sampled so as to indicate if further testing was necessary. If a concentration of artifacts or a significantly different soil stratum was uncovered, the materials or soil layer would be assessed in order to determine if they were associated with any features or intact cultural surfaces and if further archaeological examination was warranted.

Lab Analysis

In order to complete the Phase 1B study of the project site, a number of laboratory procedures, originally established by the project protocol, were undertaken by the archaeology team. They included:

- 1) All of the cultural material recovered was cleaned, stabilized, and inventoried.
- 2) Identification and dating of diagnostic artifacts was completed based on comparative collections and literature.
- 3) An artifact catalog, recording the location and type of each recovered artifact, was created.

IV. RESULTS OF INVESTIGATIONS

On Monday December 7, 2009 the archaeological field investigation at 136-33 37th Avenue, Block 4977, Lots 94 and 95 in Flushing, Queens was completed in compliance with New York City environmental review procedures. Over a period of six days, a team of archaeologists conducted the fieldwork phase of the project, as per the protocol approved by LPC.

The excavation of up to three test trenches was initially proposed with the results of the excavation of Trench 1 determining the need for the excavation of two additional Trenches along the east and west boundaries of the lot. In order to facilitate the examination of the site, a combination of machine-aided and hand excavation techniques was utilized. A backhoe was used to remove surface asphalt/concrete and gravel bedding. After the overburden was removed, two hand excavated Shovel Tests (STs) were investigated in order to determine the stratigraphy of the rear lot. Once it was determined that fill strata and a buried living surface were present, the archaeologists utilized the backhoe to carefully remove fill layers containing 20th-century construction/demolition debris. This process exposed potential buried historical strata and/or features within the yard of the former homelot determined archaeologically sensitive.

Five features and artifact concentrations were noted and/or identified during the field investigation of Trench 1 (see Figure 5).

Feature 1 – 2007 soil boring hole;

Feature 2 – Mid-19th century domestic refuse pit/midden, unlined;

Feature 3 – Late 19th century architectural/domestic refuse midden, unlined;

Feature 4 – 20th century concrete-block floor; and,
Feature 5 – Early 20th century architectural/commercial/domestic refuse pit/
Midden, unlined.

Below is a brief review of the results of the field investigation within the project APE.

Trench 1: Stratigraphy

Trench 1 was 23.5 x 4.6 meters (ca. 80 x 15 ft) in size, running east-west along the northern property line (Figure 4). The trench was examined in ca. 4.6-meter (15-foot) sections to ensure proper control of the removed soils and the safety of the field personnel. Following the removal of the asphalt surface layer, excavation of the gravel bedding and fill strata began in the easternmost section of the trench utilizing the backhoe under the supervision of the HPI archaeologists. Once the buried historical “A-horizon” was encountered, HPI archaeologists completed the hand excavation of two STs in order to determine the nature and depth of the strata within this portion of the project site. A scatter of 19th century artifacts was observed in the buried “A-horizon,” or the historical living surface, which was identified beneath a thick ash stratum. Several fragments of faunal material were also observed within this stratum, and the Physical Anthropologist was called to the site to confirm the field identification that these were food remains.

In the eastern portion of the trench seven distinct strata were encountered beneath the asphalt (Table 1; Photographs 3 and 4). Level 1 was the gravel/sand bedding; Level 2 was a mixed very dark grayish brown sandy fill layer (10YR 3/2) that contained modern demolition debris; Level 3 was a light gray ash layer that contained a mix of historical domestic refuse; Level 4 was a dark gray ash layer with a mix of historical domestic refuse; Level 5 was the former “A-horizon,” a dark brown (10YR 3/3) silty sand with historical domestic yard scatter, that was identified as a historical living surface; Level 6 was a dark yellowish brown (10YR 4/4) clayey sand subsoil; and, Level 7 was a brown (10YR 5/3) fine sand subsoil.

Table 1. Stratigraphy of East Half of Trench 1

Level	Depths	Description
	0--10 cm	Asphalt
1	10-25 cm	Gravel Bedding
2	25-36 cm	Black (10YR 2/1) to very dark grayish brown (10YR 3/2) ash fill
3	36-42	Brown (10YR 5/3) mixed ash fill
4	42-57 cm	Brown (10YR 5/3) mixed ash fill mixed with domestic refuse
5	57-79	Dark Brown (10YR 3/3) silty sand (former living surface)
6	79-107 cm	Dark yellowish brown (10YR 4/4) fine sand/clayey subsoil
7	107-140 cm	Brown (10YR 5/3) fine sand subsoil

As the excavation of the trench moved to the west, the dark ash layer (Level 2) faded at approximately 2 meters (6.5 feet) from the east wall and the lighter ash layer got progressively thinner until it also disappeared approximately 12.5 meters (41.5 feet) from the east wall. At the

Table 2. Stratigraphy of West Half of Trench 1

Level	Depths	Description
	0--5 cm	Asphalt
1	5-11 cm	Gravel Bedding
2	11-16 cm	Concrete Surface
3	16-24 cm	Bedding
4	24-31	Brown (10YR 3/3) sand fill
5	31-40	Very dark grayish brown (10YR 3/2) sandy fill
6	40-49 cm	Brown (10YR 5/3) mixed ash fill with some domestic refuse
7	49-61 cm	Dark Brown (10YR 3/3) silty sand (former living surface)
8	61-94 cm	Dark yellowish brown (10YR 4/4) fine sand/clayey subsoil
9	94-122 cm	Strong brown (7.5 YR 4/6) sandy clay subsoil
10	122-159 cm	Light yellowish brown (10YR 6/4) fine sand subsoil

western end of the trench slightly different strata were observed (Table 2; Photograph 5). The upper layers were slightly different as a concrete slab surface for the former garage was present under the initial asphalt and bedding strata. In addition, subsoil was encountered at a higher elevation.

Once the strata depths were identified, the backhoe was again utilized to expose the subsoil within the trench to determine if potential grave shafts were present within the trench. Across the entire trench, between 60 cm and 120cm of subsoil was removed to ensure that no evidence of burial shafts was present.

During the excavation, a pipe trench containing a 4" PVC pipe was exposed between 30-56 cmbs (centimeters below the surface). The modern pipe was running at an angle and was encountered 15.6 meters (51.2 feet) from the northeast corner along the north wall and 13.8 meters (45.3 feet) from the southeast corner along the south wall. The function of the pipe was unknown and it was found to be defunct. It was likely associated with the former garage buildings located in the rear lot.

Trench 1: Identified Features

- Feature 1 was encountered near the eastern end of Trench 1 (Figure 5; Photograph 6). A round soil stain was initially observed and later identified as a backfilled soil bore hole (20 cm/8 inches diameter) from 2007. The narrow shaft was partially excavated and found to contain a few artifacts (nail, brick fragments, shell fragments, and unidentified plastic).

- Feature 2 was a large unlined historical refuse pit that contained a mixed collection of domestic artifacts (Figures 5 and 6; Photographs 7 and 8; Appendices A and B). The former refuse pit was located near the property line along the northern edge of Trench 1. The surface of the feature did not appear to have been truncated. Instead, it appeared to have been almost completely covered with the brown (10YR 5/3) ash fill stratum that was found across the trench. During a field consultation with LPC (12/02/09), it was determined that a minimum of 50 per cent of the feature should be excavated.

When the hand investigation of the feature started, it was noted that the refuse pit extended approximately 20 centimeters/8 inches beyond the north wall of the Trench. This enabled the team to excavate the southern section of the refuse pit and observe the remaining portion in profile (Figure 6). The lower half of the feature was found to be surrounded by the sandy subsoil and there was no evidence that the refuse pit ever had any type of solid exterior walls. As the excavation of the feature progressed, the archaeological team noted increasing numbers of burned or melted artifacts closer to the base of the former pit, approximately 150 cmbs/60 inches below surface). No evidence of soil stratification was observed. Instead, the soils within the feature were found to be a mix of brown 10YR 3/3 and very dark grayish brown 10YR 3/2 silty sand and ash. Once the profile was recorded, the team excavated the northern section of the feature.

The HPI team hand excavated approximately 85 percent of the feature and the final dimensions of the refuse pit measured approximately 60 x 80 x 105 centimeters (20 x 32 x 42 inches) (Figure 6). No evidence of a cap was present, although as the pit was unlined, it likely did not have a formal cap. As mentioned above, Feature 2 contained a significant amount of domestic refuse (e.g., ceramics, glass, personal items, food refuse) that was collected by the field team for cataloging and laboratory analysis (see discussion below). Several large almost complete ceramic objects (e.g., Rockingham teapot, whiteware pitcher) and whole bottles were recovered from the lower portion of the feature. No evidence of a base to the feature was found between the refuse deposit and subsoil.

- Feature 3 was identified to the west of Feature 2. It was a second dark sandy refuse pit, also containing domestic artifacts, that was noted at a depth of 88cmbs (Photographs 9-12). Feature 3, discovered at a greater depth than Feature 2, and appeared to have been truncated in the past. During excavation, a slight increase in the amount of artifacts was noted within Levels 4 and 5 in the location of Feature 3. It is possible that because the feature was also unlined, the refuse deposit was not as compact or discreet as deposits that are found in a walled shaft. It appeared to have been truncated and spread. When the excavation reached the subsoil, the team was able to more accurately record the size and shape of Feature 3 (Photographs 9-12).

This refuse deposit contained a significant amount of architectural debris that was sampled, but not collected (e.g., brick fragments, large window glass fragments, unidentified metal concretions, mortar, and slate). In contrast, the quantity of domestic household refuse was considerably less than that recovered in Feature 2. As with Feature 2, no evidence of soil stratification was observed. The feature was 100 per cent

excavated and the final dimensions of measured approximately 55 x 125 x 80 centimeters (22 x 49 x 32 inches). No evidence of a base or floor was identified at the bottom of the refuse pit.

- Feature 4 (Photograph 13), a concrete-block floor, was encountered on the western side of Trench 1. Research conducted for the Phase 1A report found that an auto repair shop with several additions had been constructed in this location between 1917 and 1934. The concrete-block floor was clearly part of this 20th century structure. The team had the backhoe remove the concrete blocks with a small jackhammer, in order to determine if any additional features were present beneath the floor.
- Feature 5, in the southwest corner of Trench 1, was the third and final refuse pit identified (Photographs 14 and 15). In the location of this feature, the concrete blocks had been previously removed and later replaced haphazardly on the surface. It is likely that the refuse pit was excavated beneath the floor, using the surrounding blocks to stabilize the open hole.

Similar to Feature 2, the refuse pit extended beyond the trench wall, enabling the team to essentially bisect the feature. Approximately 60 per cent of the feature was excavated during the field project. Also similar to the other two refuse pits, no evidence of soil stratification was observed within the feature. The majority of the artifacts recovered from Feature 5 were associated with the 20th century auto repair shop that was located on the site. The limited amount of domestic refuse that was found in the feature as well as samples of the commercial waste was collected for analysis (see below). Several of the larger artifacts associated with the repair shop were identified but not collected (Photograph 16).

Each of the three refuse pits encountered had been created by excavating into the sandy clay subsoil and directly depositing the materials and debris into the open hole. None of the three refuse features had supporting exterior walls or floors (wood, stone or brick).

It is likely that the refuse pits, identified as Features 2 and 3, were only open for a short period, as the surrounding subsoil would not have provided a stable barrier over an extended period of time. Following several in-field consultations with LPC (12/03/09, 12/04/09), it was determined that further testing for homelot features within Trenches 2 and 3 was not indicated for this site.

V. ARTIFACT ANALYSIS

The Phase IB field investigation identified five distinct features. Three of the features (2, 3, and 5) contained a significant amount of artifacts that were collected for analysis. Each of the three features appears to date to different periods of time. The artifacts from Feature 2 date from the mid 19th century (ca.1850s-1860s); the artifacts from Feature 3 date to the late 19th century; and the artifacts recovered from Feature 5 date to the second decade of the 20th century or later (see Appendices A and B). What follows is a brief analysis of the recovered artifacts by Feature.

Feature 2

Feature 2 was a large domestic unlined refuse pit that contained a significant quantity of artifacts (Appendix A). The following summary table presents a synopsis of the types of artifacts recovered (Table 3). The artifacts were divided into seven classes: architectural, food-related, food remains, lighting, personal and unaffiliated. The artifacts were further subdivided by type; see Table 4.

Table 3. Artifacts by Class from Feature 2

Class	Quantity
Architectural	83
Faunal	7
Food Related	399
Food Remains	317
Lighting	11
Personal	208
Unaffiliated	235

Table 4. Artifacts by Class and Type from Feature 2

Class	Type	Quantity
Architectural	nail	60
	window glass	15
	other	8
Food Related	glass vessel	151
	ceramic	246
Food Remains	bone	157
	shell	149
	other pit/nut/eggshell	11
Lighting	glass	8
	metal lamp frag.	3
Personal	shoe (leather)	32
	kaolin smoking pipe	19
	chamberpot	7
	medicine bottle	55
	button	22
	other	37
Unaffiliated		235

As anticipated from a domestic site, the majority of the artifacts were food remains (animal bone, shell, pits/seeds) and food related (ceramics and glass).

Food Remains

A total of 317 fragments of food remains were identified in the recovered assemblage, with the majority being mammal bone (cow, sheep/goat, pig). An examination of the faunal (food-bone) artifacts was conducted and the inventory of the recovered animal types is presented in Appendix B. Several of the bones have evidence of marks from butchering and secondary butchering activities (saw, cleaver). The faunal assemblage as a whole appears to be the remains of domestic kitchen waste and not the result of primary butchery activities (i.e., there were no recovered samples of butchery waste such as skull fragments, etc.). The assemblage indicates

that the majority of the animals were butchered as young to mature adults, thus ensuring they were killed during the time of peak meat-weight yields (e.g., pigs 2-2 ½ years; sheep/goat 3-4 years; cattle 5-6 years).

The bird bones in the assemblage were from chicken and turkey. No unusual bird bones were identified. The examination of the recovered shells (oyster and hard shell clam) indicates that the majority likely came from the New York City harbor area. Only a few other food remains were recovered including three fish bones, egg shell fragments and a peach pit.

When examined, the food refuse in the assemblage showed little evidence of weathering and long-term exposure to the elements. This might indicate that the food remains were deposited in this location over a short period or possibly during a limited number of episodes. A few of the bones had animal gnaw marks, but it cannot be determined if these marks were made pre or post deposition. The presence of domestic dog and cat bones suggests that pets were present on the site, and could account for the gnaw marks on the bones. Some of the bones near the bottom of the feature were singed, likely the result of being dumped in the pit along with hot furnace scale/ash.

Food Related

The food related artifacts recovered from Feature 2 were either ceramic objects or glass vessels. A breakdown of the historic ceramics by ware type is presented in Table 5.

Table 5. Summary of Historic Ceramics from Feature 2

Ware Type	Quantity
Redware	24
Mochaware	1
Yellowware	33
Whiteware	98
Rockingham	34
Other Earthenware	3
Stoneware	38
Porcelain	15

The change in the popularity of ware types is observed in the assemblage recovered from Feature 2. A typical kitchenware throughout most of the historic period, redware was being replaced with yellowware utilitarian vessels beginning in the mid 19th century. Twenty-four small fragments of redware were recovered. The redware fragments appear to be from older vessel types, including some slip decorated fragments, while the yellowware fragments recovered are from vessels that were molded with annular decoration. American potters began producing this popular decorative style in the 1850s.

The assemblage of ceramics also contains numerous Rockingham fragments, an American ware type that was popular in mid 19th to late 19th century households. Rockingham was typically used for decorative objects (teapots, spittoons, mugs). Numerous fragments of what appears to be two teapots, one almost complete, with the “Rebekah at the Well” molded design were recovered. Bennett Pottery first introduced one of the most popular Rockingham designs, the

“Rebekah at the Well” after 1848 (Brewer 1996: 94). The design was later produced by several potteries across the country.

The porcelain that was recovered from Feature 2 was likely imported from England. The majority of the fragments are small and several have handpainted decoration. As anticipated, many of the fragments are from teawares and other fine tablewares (e.g., egg cup, saucer).

The majority of the stoneware recovered appears to be from different bottle types rather than cooking or serving vessels. During the mid to late 19th century stoneware was utilized to bottle beer (ale) and mineral water. Often, because of the durability of the stoneware, the bottles were repeatedly used for holding a variety of household beverages. One of the fragments recovered was clearly from an imported bottle and embossed "Geohgkreuzbel Ahrweiler Rheinpreusser." No record of this company or bottler was identified.

As anticipated, the majority of the recovered historical ceramics¹ were imported decorated whiteware (Table 6). The two main decorative elements that were noted in the recovered assemblage were transferprint designs and molded shapes. In order to offer new styles to consumers, potters often molded the body, handle, or rim of their products (bowls, plates, saucers, and pitchers) providing additional relief to the object.

Table 6. Summary of Whiteware Decoration from Feature 2

Whiteware	Decoration	#
	Molded	17
	Transferprint	56
	No decoration	25

Fifty-six of the ninety-eight fragments of whiteware recovered from Feature 2 were transferprint-decorated pieces. Most of the transferprint fragments were blue in color and were decorated with an array of different prints (e.g., floral, pastoral scenes, events). Throughout the 19th century, the majority of refined earthenware imports came from the British market. Several of the ceramic fragments that were recovered from Feature 2 had identifiable makers marks linking them to popular Staffordshire potters. The identified marks were from wares produced between the 1850s and 1870s. See Table 7 for the makers marks.

Glass bottle fragments were the second type of Food-related artifact to be recovered. The majority of the 151 glass fragments recovered were small and colorless. Of the twenty-five complete bottles found in Feature 2, only two were food related (soda water and sarsaparilla). The remaining complete bottles were considered personal objects and were identified as medicine bottles (see Table 8).

¹ A small number of whiteware chamberpot fragments were also recovered from Feature 2. These were not included in the summary of the food-related ceramics.

Table 7. Ceramic Makers Marks on Whiteware from Feature 2

Ceramic Type/Object	Mark	Date
Whiteware Blue Transferprint vessel fragments	Lion and Lady; W Adams & Sons	1819-1864
Whiteware fragment	"NAPOLEAN III EMPEREUR PRIZE MEDAL, PARIS 1867 AWARDED TO GEORGE JONES STOKES ON TRENT"	1867+
Whiteware Vessel	Porcelains opaque Bridgewood and Son	Founded 1805; used similar mark to 1880s
Whiteware plate fragments	"J.M. Shaw, 70 Chatham & 25 Duane Sts. New York"; Meakin Bros., Burslem, England	1865 - 1873
Whiteware fragment	"Opaque": R Clarke; Edward Clark and Co. Tunstall; "Porcelain Opaque Edward Clarke Tunstall"	Ca. 1865-1877
Whiteware fragment	partial mark, impressed "John Ma...k & Son Burslem" (Maddock & Son)	1855-1870
Whiteware	"Ironstone China, James Edwards"	Ca. 1847-1900

Personal Objects

The personal items recovered from Feature 2 included medicine bottles, smoking pipe fragments, buttons, leather shoe fragments, chamberpot fragments and a variety of single items.

The most prevalent personal artifact in the assemblage was medicine bottles. Twenty-three complete medicine bottles were recovered. An additional 32 medicine bottle fragments are also part of the Feature 2 assemblage. Table 8 contains the embossed or marked bottles that were recovered from Feature 2. Six of the embossed bottles contained the name of the druggist who "bottled" a variety of medicines for sale. Several of these individuals were listed in the 1873 Business Directory of Long Island and Queens. Five of the bottles contained products that were popular remedies for a variety of maladies during the mid-19th century. Similar to today, advertisements and journal announcements were prevalent for many of these products (Figure 7).

In 1864, an article in the *New York Times* advertised "Hale's Honey Of Horehound And Tar, For The Duke Of Coughs, Colds, Influenza, Hoarseness Difficult Breathing, And All Affections Of The Throat, Bronchial Tubes And Lungs, Leading to Consumption" (November 5, 1864). Hales was one of the thousands of patent medicines that were produced to essentially reduce coughing in patients. Dr. Jayne's *Vermifuge* was a product that was advertised as being a cure for worms. Popular during the mid-19th century, this medicine was marketed as early as the 1830s (Figure 7).

Table 8. Identified Embossed or Marked Bottles from Feature 2.

Bottle Description	Mark Description	Date (Range)
Tinted, fragment	"D&P Martens, Whitestone, L.I."	In operation 1860s-70s; identified in 1873 Directory selling soda water
2 Tinted, fragments	"Hall & Ruckel Drugists New York" (located at 215 Greenwich St)	1844-1895
Colorless, square, complete	"JH Whitson Flushing, L.I."	Jacob was listed as a druggist in 1873 Directory
Tinted, square, fragment	"Hales Honey of Horehound and...[Tar]"	Advertised in <i>The New York Times</i> in 1864 (Figure 7)
Tinted, fragment	"Dr. D. Jayne's Tonic Vermifuge ...CHEST ST PHILA"	[see Figure 7]
Tinted, fragment	"Ayer's Sarsaparilla Lowell Mass"	1858+
Tinted, square, complete	"Ayer's Cherry Pectoral Lowell Mass"	1841/2+
Tinted, round, complete	"Mrs. Winslow's Soothing Syrup" "Curtis & Perkins Proprietors"	First marketed in 1849. Advertised into the 20 th century [see ads below]
Tinted, square, complete	Dr. J.F. Churchills Specific Remedy for Consumption" Winchester New York	1859+ [see Figure 7]
2 Tinted, square, complete	"Dr. Porter New York"	

Although J.C. Ayers produced *Cherry Pectoral* in his apothecary as early as 1841, the wholesale manufacture of his remedy for throat and lung afflictions didn't begin until 1843 (Hoyt and Hoyt 2009; Olsen 2006). A firm believer in the power of advertising, Ayers began placing news ads for his products in a variety of newspapers in the Northeast. In 1858 J.C. Ayers began advertising in Lowell Massachusetts that his *Sarsaparilla* would cure a variety of diseases and symptoms including Scrofula (tuberculosis of the neck).

"Mrs. Winslow's Soothing Syrup" was first produced in 1849. The meteoric rise in popularity of this medicine occurred when Jeramiah Curtis and Benjamin Perkins began to flood the industry with advertisements for this product (Figure 7). The advertisements encouraged mothers to utilize the syrup for crying infants and young children. Several other manufacturers quickly jumped in the market, producing their own "soothing" medicines. Mrs. Winslow's actually contained morphine and many parents overdosed their children on the medicine, causing numerous deaths. Other "soothing" products were also found to contain either morphine or opium. After several doctors "tested" the potency of "soothing" medicines and found them dangerous, there was a call for regulation.

Nineteen fragments of kaolin smoking pipes were identified. Several of the pipes were marked "Peter Dorni." The Peter Dorni pipes were very popular in urban settings and readily available in markets. Most were likely produced in Gouda, a leading center of clay tobacco pipe production in the Netherlands. Although the origin of the Peter Dorni name is attributed to a

French pipe manufacturer named Peter Dornier, the Prince pipe company purchased the name from the French manufacturer ca. 1835 and produced Peter Dorni pipes between 1835 and 1898 in Gouda. In addition to the Peter Dorni pipes in the collection, one pipe was stamped “T.D.” and another had a stylized African Face on the bowl. Although pipes marked “T.D.” had been produced as early as the 1750s, a generic “T.D.” mark was utilized by numerous pipemakers well into the 19th century.

Although there were 32 fragments of shoes recovered, none were distinguishable for design or size. The shoe collection included nine wooden heels and 23 leather fragments.

Of the 22 buttons recovered, eighteen were plain porcelain four-hole in design. None of the buttons recovered had any unique or diagnostic marks.

The chamberpot fragments that were part of the assemblage were all undecorated whiteware. The remaining personal artifacts that were identified included, six clay marbles, two brass buckle fragments, one bone lice comb fragment, one iron lock, six wooden thread spools, and one brass thimble.

Feature 3

Feature 3 was a large domestic unlined refuse pit. The following summary table presents a synopsis of the types of artifacts recovered (Table 9; see Appendix A). The artifacts were divided into seven classes: architectural, food-related, food remains, lighting, personal and unaffiliated. The assemblage of non-architectural materials recovered from Feature 3 was considerably smaller than what was recovered from Feature 2. It is possibly that this discrepancy is due to the fact that Feature 3 might have been truncated in the past.

Table 9. Artifacts by Class from Feature 3

Class	Quantity
Architectural	76
Faunal	2
Food Related	105
Food Remains	36
Lighting	5
Personal	69
Unaffiliated	67

The classes of artifacts listed in Table 9 were further subdivided by type; see Table 10. As mentioned above, there was a considerable amount of architectural debris that was associated with Feature 3. The team sampled the fragments of brick, slate, wood, and mortar and window glass. Only the sampled materials were included in the artifact counts.

As anticipated from a domestic site, a significant number of the recovered non-architectural artifacts were food related (ceramics and glass) and food remains (animal bone, shell).

Table 10. Artifacts by Class and Type from Feature 3

Class	Type	Quantity
Architectural	nail	26
	window glass	42
	other	8
Food Related	glass vessel	36
	ceramic	60
	metal bottle cap	4
Food Remains	bone	27
	shell	8
	other pit/nut	1
Lighting	Glass	5
Personal	shoe (leather)	4
	kaolin smoking pipe	1
	toilet (porcelain)	35
	medicine bottle	2
	button	6
	other	21
Unaffiliated		67

Food Remains

A total of 36 fragments of food remains were identified in the recovered assemblage, with the majority being mammal bone (cow, sheep/goat). The inventory of the recovered food remains is presented in Appendix B. A few of the bones have evidence of marks from butchering and secondary butchering activities (saw, cleaver). Similar to the assemblage found in Feature 2, the faunal materials in Feature 3 appear to be the remains of domestic kitchen waste with the animals being butchered as young to mature adults. The clam and oyster shells recovered were small fragments and not complete. Also similar to the assemblage in Feature 2, the food refuse in Feature 3 also showed limited to almost no evidence of long-term exposure to the elements, and only a couple of bones had animal gnaw marks.

Food Related

A breakdown of the historic ceramics by ware type is presented in Table 11.

Table 11. Summary of Food Related Historic Ceramics from Feature 3

Ware Type	Quantity
Redware	8
Yellowware	1
Whiteware	25
Rockingham	1
Stoneware	8
Porcelain	17

The largest number of ceramic fragments recovered from Feature 3 was whiteware. Most of these fragments were undecorated with only a handful of transferprint or edge-decorated pieces. The designs on the transferprint fragments were mostly blue and green. No identifiable makers' marks

were found on any of the ceramic fragments. Interestingly, there were more porcelain fragments recovered in Feature 3. Most of these fragments were not teawares, but were instead from larger serving vessels and containers.

Of the 36 food related glass fragments recovered, only one bottle fragment was embossed with the letters “FLUS.” No other diagnostic marks were identified on any of the bottles and none of the bottles were complete. The collection of food related materials also included four crown bottle caps (post 1892).

Personal Objects

The personal items that were recovered from Feature 3 were also fewer than those recovered in Feature 2 and reflect a much later time period. Instead of chamberpot fragments, 35 bathroom toilet fragments were present, along with several sewer pipe fragments.

Only a single smoking pipe fragment, an undecorated and unused pipe bowl, was recovered. The collection also included six buttons (all different types - bone, shell, jet, glass, porcelain) one celluloid (imitation tortoise shell) comb fragment, 2 brass buckles, 4 leather shoe fragments, a skeleton key, and a wooden peg for a musical instrument.

Feature 5

Feature 5 was an unlined refuse pit located beneath the concrete block floor of a former commercial building that was located at the rear of the lot. The feature contained both domestic and commercial refuse. Table 12 presents a synopsis of the types of artifacts recovered (Appendix A). The artifacts were divided into seven classes: architectural, food-related, food remains, lighting, personal and unaffiliated.

Table 12. Artifacts by Class from Feature 5

Class	Quantity
Architectural	11
Food Related	38
Food Remains	30
Lighting	2
Personal	33
Unaffiliated	44

Unlike the first two refuse pits excavated, just over half of this feature was investigated by the field team. The artifacts recovered from the feature include almost equal numbers of food related, food remains, and personal objects. An increase in unaffiliated artifacts was noted for this feature, due to the presence of a number of carbon batteries and tool fragments. The classes of artifacts recovered from the feature were further divided into type; see Table 13.

Food Remains

A total of 30 fragments of food remains were identified in the recovered assemblage (cow, sheep/goat, chicken). The inventory of the recovered food remains is presented in Appendix B. Similar to the assemblage found in Feature 2, the faunal materials in Feature 3 appear to be the

Table 13. Artifacts by Class and Type from Feature 5

Class	Type	Quantity
Architectural	window glass	3
	nail	6
	slate tile	2
Food Related	glass vessel	15
	ceramic	21
	ceramic bottle	1
	metal	1
Food Remains	bone	25
	shell	5
Lighting	glass	1
	metal bulb fragment	1
Personal	medicine bottle	6
	button	1
	newspaper	18
	other	8
Unaffiliated	batteries ²	16
	other	28

remains of domestic kitchen waste with the animals being butchered as adults. The clam and oyster shells recovered were small fragments and not complete.

Food Related

The food related ceramics recovered included ten whiteware, one yellowware, and ten porcelain fragments. The whiteware was either undecorated or had a transferprint design. One fragment had an underglaze color decal (post 1908). No complete food related bottles were recovered. Although no complete or diagnostic bottles/jars were recovered, one fragment was embossed "...Point, L.I."

Personal Objects

The personal items that were recovered from Feature 5 were the fewest in number of the three refuse pits. Eighteen of the 33 artifacts recovered were undated newspaper fragments. Three undiagnostic medicine bottles were also recovered. It is likely that the three bottles at one time had paper labels. The collection also included a single button fragment (bone), one bottle cork fragment, one leather glove fragment, and a small wooden peg.

Unaffiliated Objects

Feature 5 was located beneath the floor of a small commercial building and contained objects that were likely used and discarded within this enterprise. As a result, the collection of unaffiliated objects includes several artifacts that were noted, but not collected (Photograph 16). Sixteen complete and partial carbon batteries were noted during the excavation of Feature 5. These batteries were similar to the 1916 version of the Blue Bell battery with a carbon rod anode (Figure

² The batteries recovered from Feature 5 were noted and discarded.

7). Also noted was a large torque wrench, a hand clamp, three vehicle springs, and numerous large clumps of rusted iron. The unaffiliated collection of artifacts also included sewer pipe and flower pot fragments and a porcelain forestry insulator embossed “C. P. Co.,” which was manufactured between 1897-1931 by the Cook Pottery Company in Trenton, New Jersey.

VI. CONCLUSION

Three distinct and separate refuse pits were excavated in the rear yard of Lot 94. Feature 2 clearly dates to the third quarter of the 19th century. The diagnostic artifacts recovered with clear manufacturing dates (1850s-1870s) indicate that the materials were likely discarded after use in the 1870s. Appendix C contains Federal Census data and household makeup from that time period. Although these items cannot be definitively attributed to the Barto family, it is likely that they were in a position to excavate the yard for a refuse pit, as they were the property owners and the only consistent occupants of the dwelling.

The food related items purchased (ceramic and glass), represent items that were popular and available to middle class households in the mid-19th century. The personal items, however, seem to reflect more of the character of the Barto family. The numerous medicine bottles were likely utilized for a plethora of family contagions. The variety of “healing” products suggests that the family had access to well-supplied commercial markets. The 1873 Business Directory of Long Island and Queens includes several druggists in Flushing, confirming that the residents had ready access to these products. The presence of a significant amount of medicines for diseases of the throat and lungs (tuberculosis) might provide some insight into the general health of the family. In 1870, Henry and Elizabeth Barto had seven of their children living with them. It is possible that illness affected the family greatly during the 1870s. The Barto’s youngest child, Frank, was listed as three years old in the 1870 Federal Census. He is not listed in the 1880 Federal Census, suggesting that he died during the intervening years.

The presence of numerous smoking pipe fragments in Feature 2 might also be attributed to Barto. Most of the fragments are plain, but there are a few that are decorated including one with an African face. Kaolin pipes were readily available in markets throughout New York. Consumers had the opportunity to choose a variety of brands and styles. The decorative pipes might indicate a personal choice of the user and/or gifts to the user.

Feature 3 appears to date to the turn of the 20th century. The significant amount of architectural debris suggests that the house might have been altered at that time. During the early 20th century, many urban households were upgrading their former attached water closets to indoor bathrooms. Historical maps confirm that between the 1890s and 1917, the rear of the house had been altered several times. It is likely that a small water closet (with a toilet) was demolished and the debris, along with other household refuse, was deposited in Feature 3.

Features 4 and 5 are connected to the construction of the small commercial outbuilding in the rear yard. The presence of numerous tools and batteries are likely related to the auto repair shop, which was constructed prior to 1917 and established on site as a right-of-way by 1924 (Schaeffer 2009: 16).

In conclusion, four features dating from the mid 19th to the early 20th century residential and commercial occupation of the site were encountered and investigated by the HPI team during the

field examination. The field investigation was completed according to the approved protocol and after consultation and concurrence with LPC (12/4/09; 12/07/09), it was determined that no further testing was warranted.

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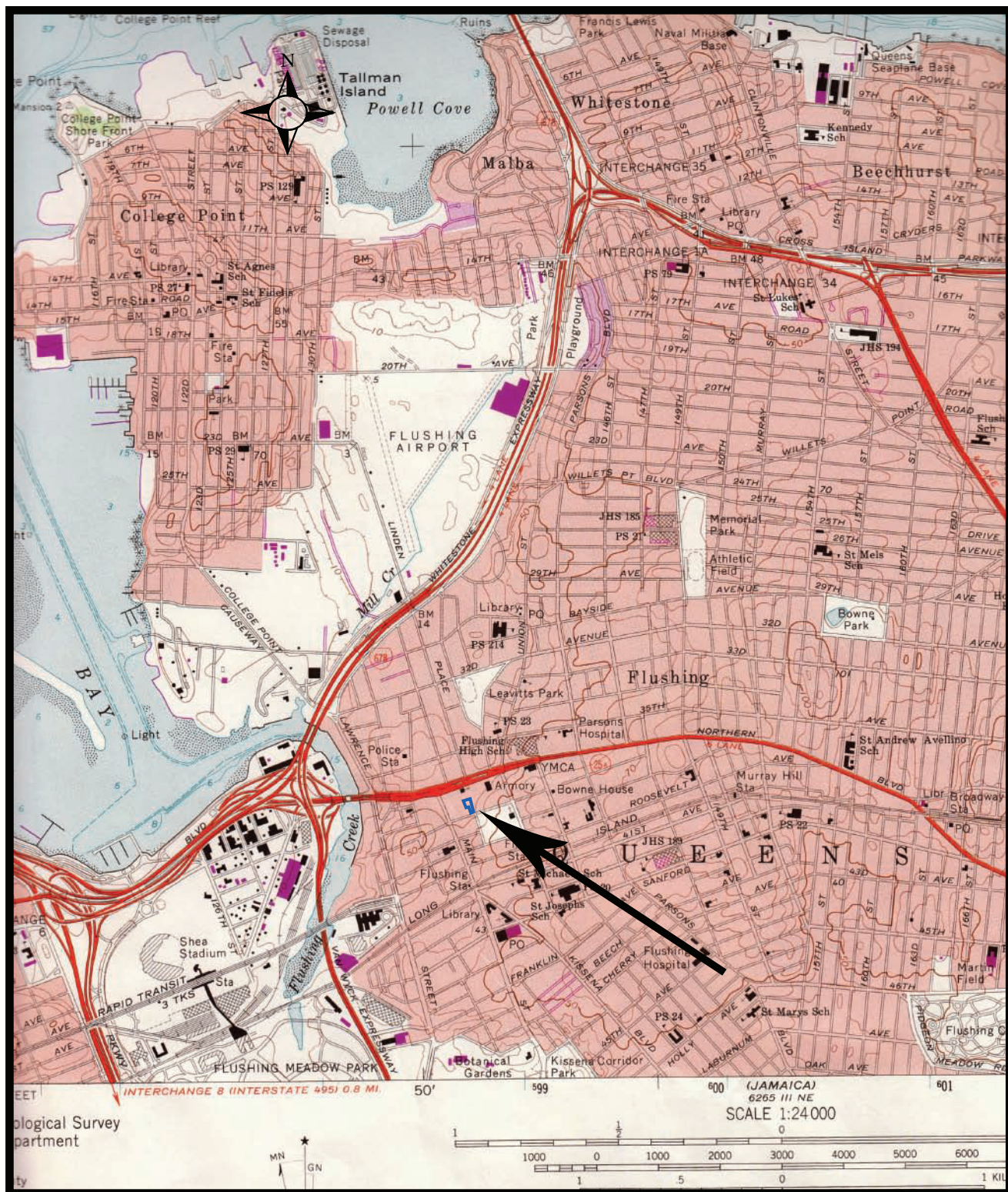
Olson, Dane

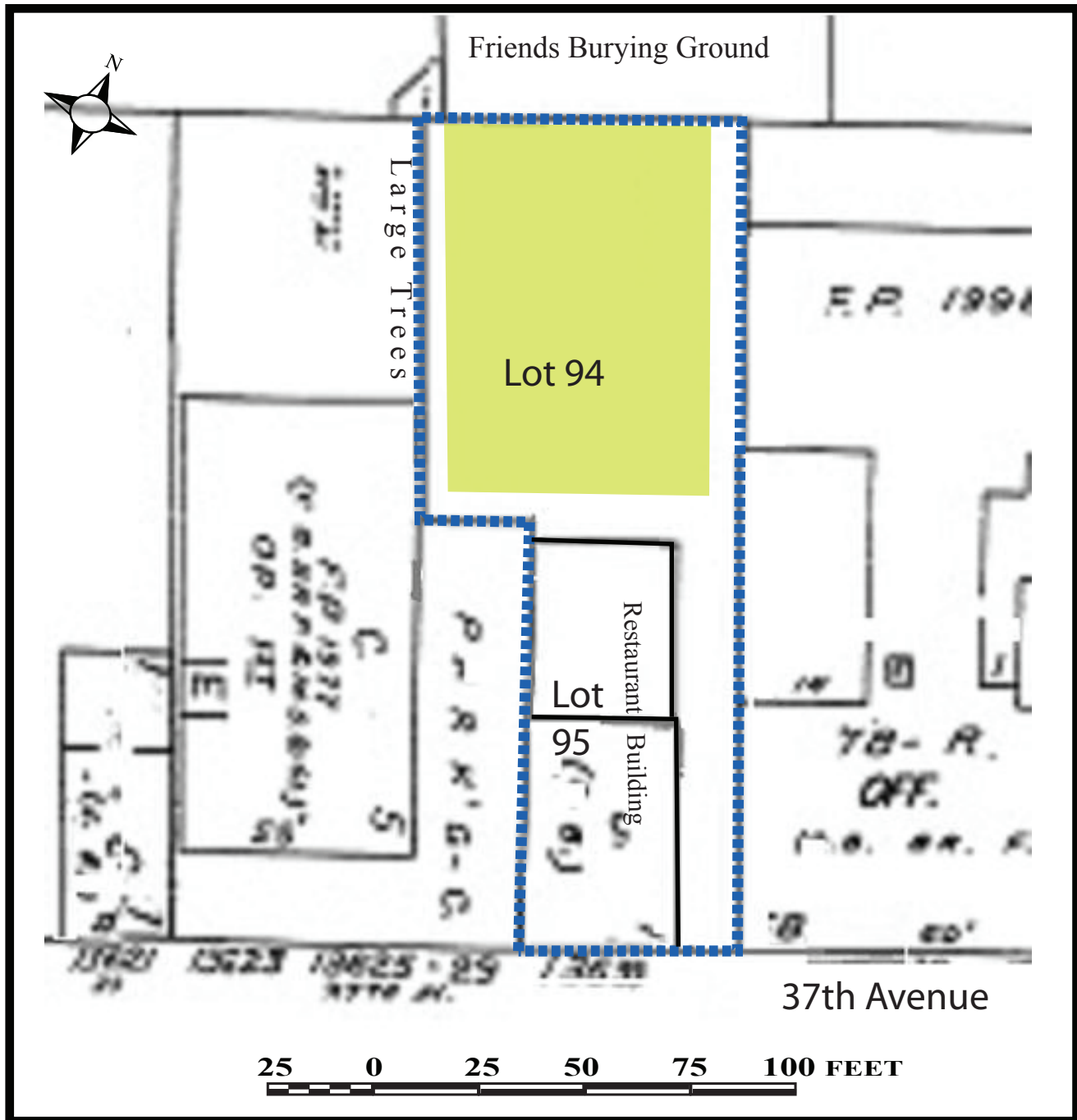
2006 "There's Nothing So Bad for a Cough as Coughing!"

<http://www.uhh.hawaii.edu/academics/hohonu/writing.php?id=106>

<http://www.bottlebooks.com/dangerou.htm>

http://choyt48.home.comcast.net/~choyt48/jcayer_run.htm





LEGEND

----- Area of Potential Effect Boundaries



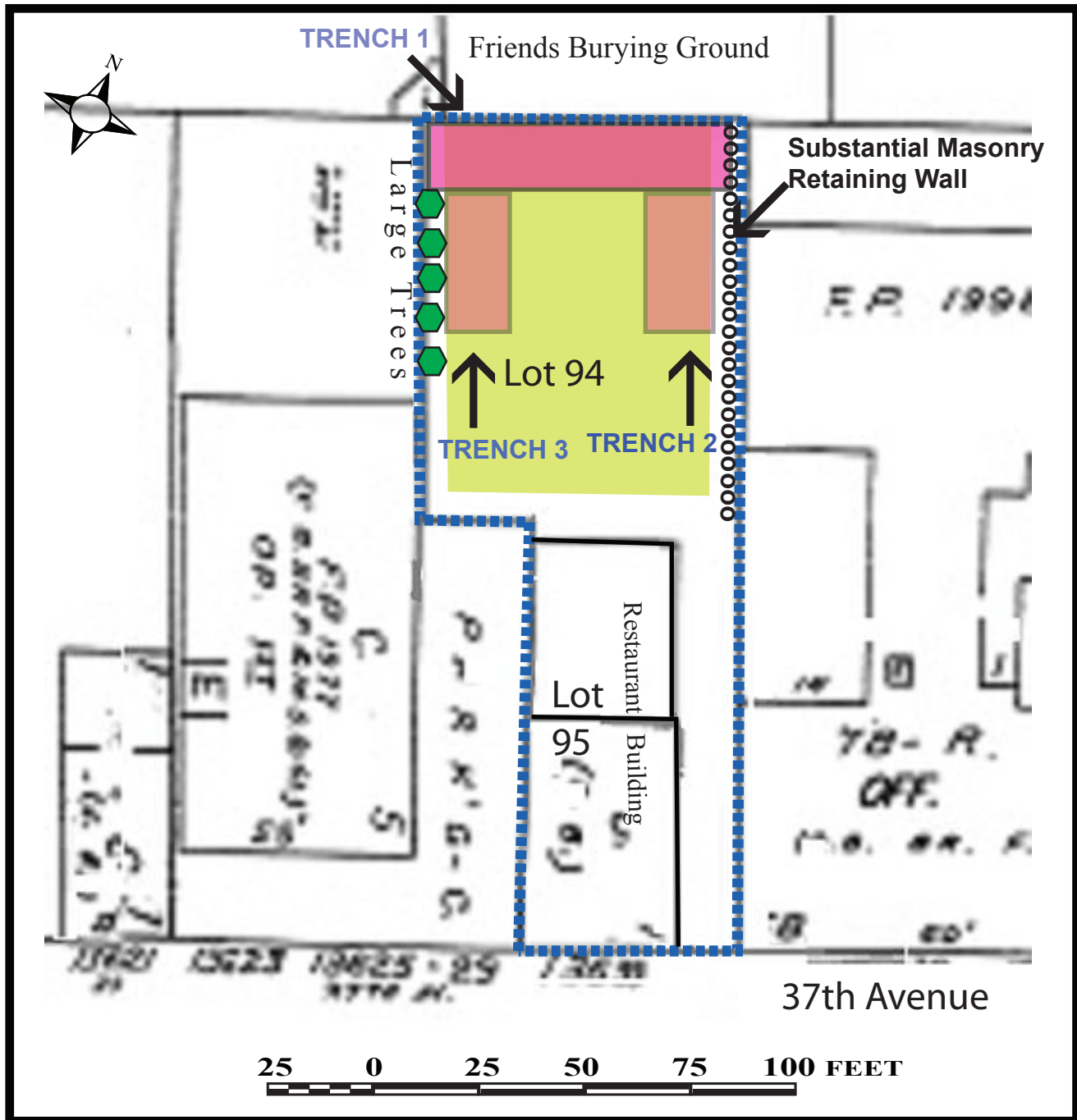
Area of Historical Archaeological Sensitivity

136-33 37TH AVENUE, BLOCK 4977, LOTS 94 AND 95, FLUSHING, QUEENS, NY

FIGURE 2. Area of Historical Archaeological Sensitivity

(Base map: Sanborn, *Insurance Maps of the Borough of Queens*, 2006, updated)





LEGEND

----- Area of Potential Effect Boundaries

█ Trench 1, Excavated

█ Trees

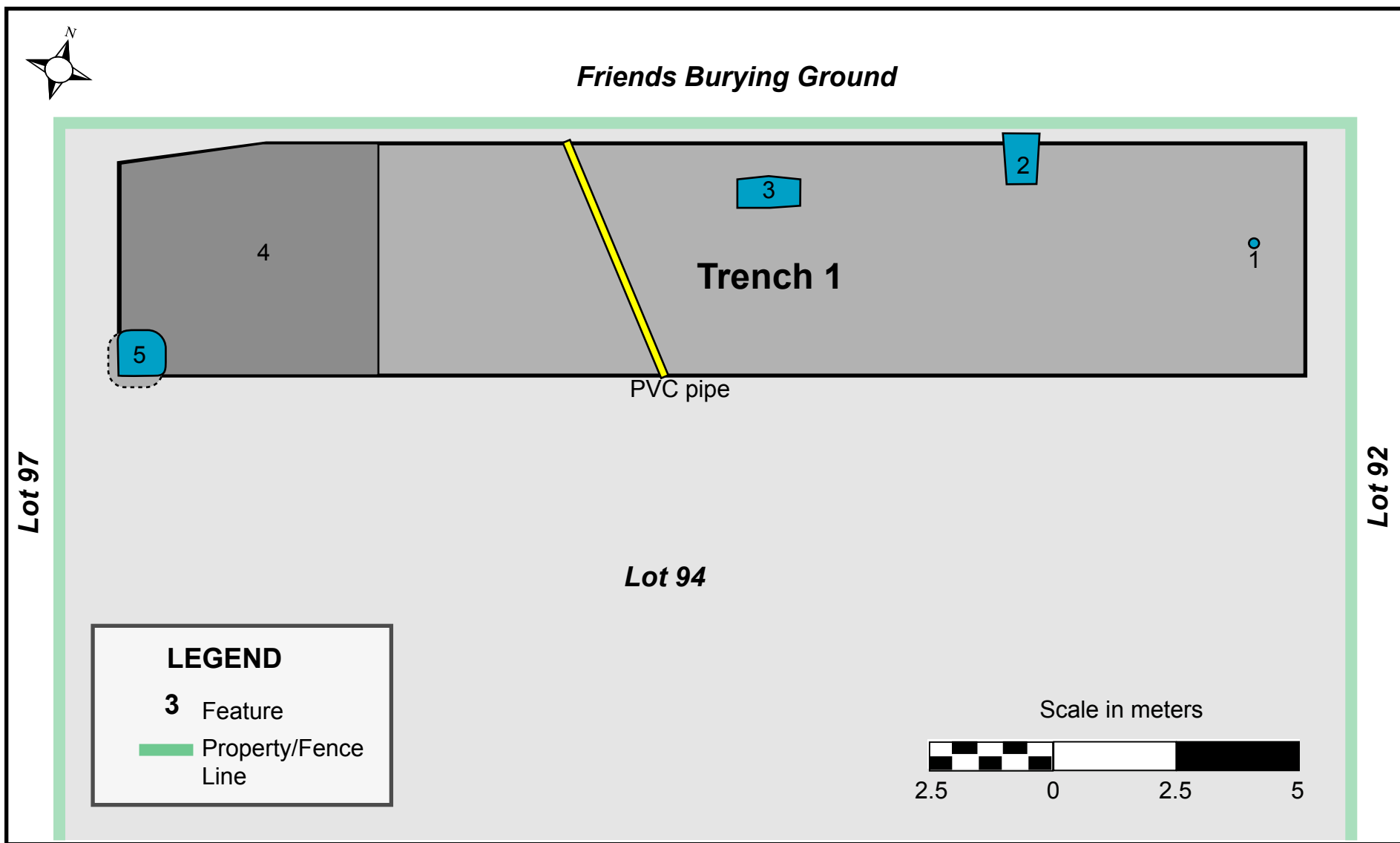
█ Area of Historical Archaeological Sensitivity

█ Trench 2 and 3, Not Excavated

136-33 37TH AVENUE, BLOCK 4977, LOTS 94 AND 95, FLUSHING, QUEENS, NY

FIGURE 3. Testing Plan in the Area of Historical Archaeological Sensitivity: Trenches 1, 2, and 3.
(Base map: Sanborn, *Insurance Maps of the Borough of Queens*, 2006, updated)

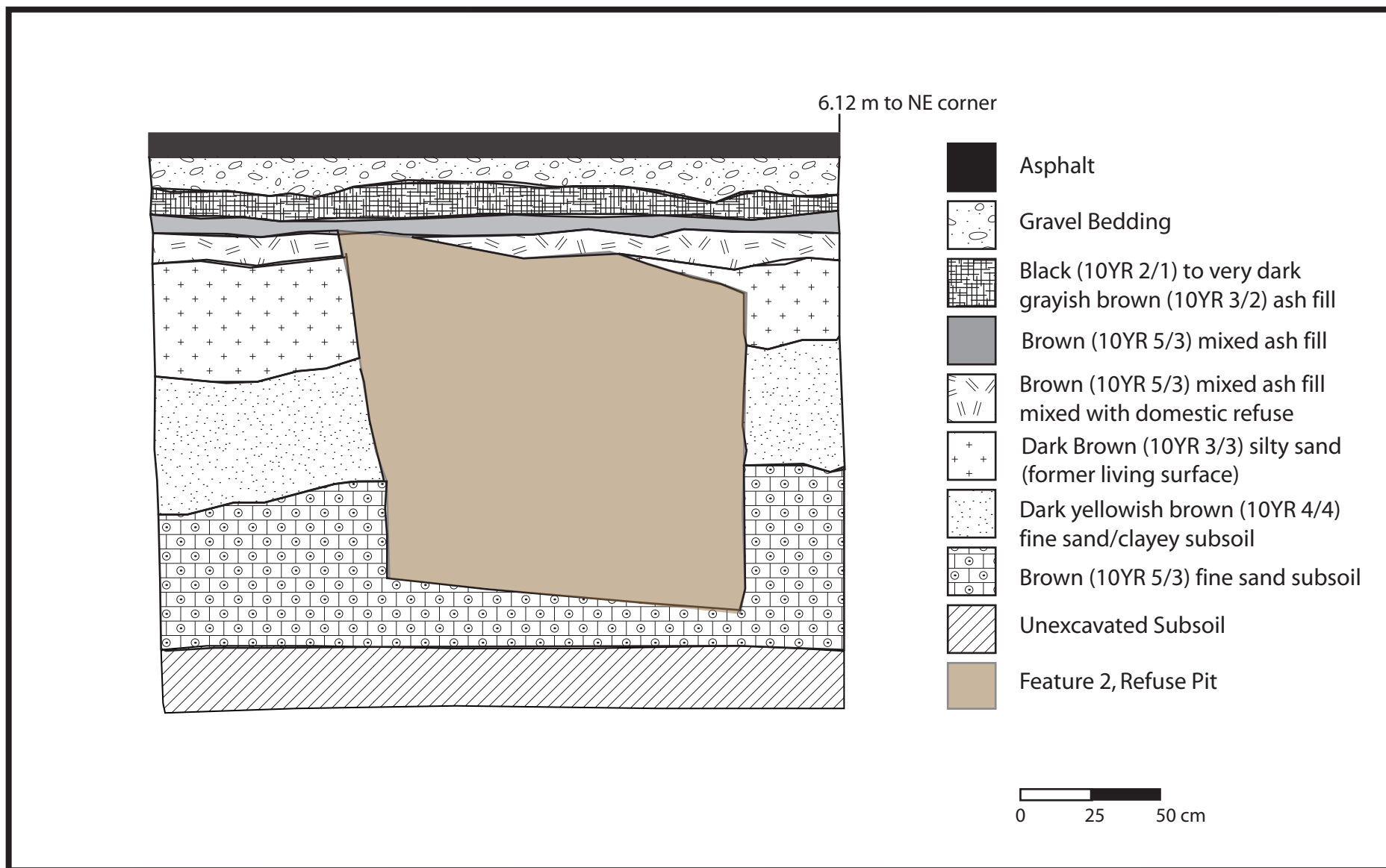




136-33 37TH AVENUE, BLOCK 4977, LOTS 94 AND 95, FLUSHING, QUEENS, NY

Figure 5. Location of Archaeologically Identified Features in Trench 1, Northern Portion of Lot 94.





136-33 37TH AVENUE, BLOCK 4977, LOTS 94 AND 95, FLUSHING, QUEENS, NY

Figure 6. Profile of Trench 1 North Wall and Feature 2.



S. JAYNES,
AGENT, BY SPECIAL APPOINTMENT,
FOR THE SALE OF DR. D. JAYNES' FAMILY MEDICINES,
CONSISTING OF

JAYNES' EXPECTORANT, for Coughs, Consumption, Asthma and other Pulmonary Affections.
JAYNES' TONIC VERMIFUGE, for Worms, Dyspepsia, Piles, General Debility, &c.
JAYNES' SPECIFIC, FOR TAPE WORM. It never fails.
JAYNES' CARMINATIVE BALSAM, for Bowel and Summer Complaints, Cholera, Cramps, Cholera, &c.
JAYNES' ALTERNATIVE, for Scrofula, Goitre, Cancers, Diseases of the Skin and Bones, &c.
JAYNES' SANATIVE PILLS, a valuable Alternative and Purgative Medicine.
JAYNES' AGUE MIXTURE, for the Cure of Fever and Ague.
JAYNES' LINIMENT, OR COUNTER IRRITANT, for Sprains, Bruises, &c.
JAYNES' HAIR TONIC, for the Preservation, Beauty, Growth, and Restoration of the Hair.
JAYNES' LIQUID HAIR DYE, also, AMERICAN HAIR DYE, (in Powder,) each of which will change the Hair from any other color to a beautiful Black.

Jan 31-2p

PEKIN TEA STORE, NO. 28 FIFTH STREET.

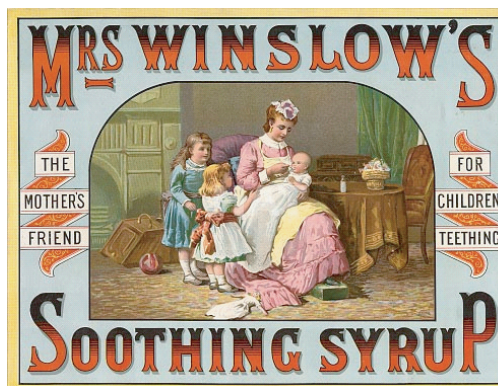
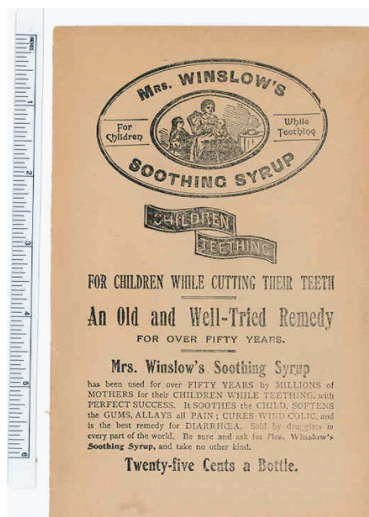
Newspaper Advertisements for Dr. Jayne's Tonic Vermifuge.. 1858

WORMS, WORMS, WORMS.—To remove these troublesome and dangerous inhabitants of the Stomach and Bowels, which so often impair the health and destroy the lives of children, use Dr. JAYNE'S TONIC VERMIFUGE, a certain and safe preparation for the removal of the various kinds of Worms, Dyspepsia, Sour Stomach, Want of Appetite, Infantine Fever and Ague, and debility of the Stomach and Bowels and organs of digestion.
Prepared only by Dr. Jayne, No. 20 South Third-st. Philadelphia. Price 50 cents.

1839



Example of carbon/zinc battery.



Advertisement cards for Mrs. Winslow's Soothing Syrup dating from the mid to late 19th century.

Important to Consumptives!
DR. CHURCHILL'S DISCOVERY!

Winchester's Genuine Preparation of Dr. J. F. Churchill's Compound of the Hypophosphites of Lime, Soda and Potash,
AS DISCOVERED AND PRESCRIBED BY HIM, AS A SPECIFIC FOR CONSUMPTION.

THIS Great Remedy is a discovery of Chemical Science, founded upon the hypothesis that the PROXIMATE CAUSE of Consumption is the DEFICIENCY or UNDER WASTE of the oxydizable phosphorus normally existing in the economy; and that, therefore, the SPECIFIC Remedy for the disease consists in restoring the deficient element by the use of such a preparation of Phosphorus as unites the TWO CONDITIONS of being in a state that it may be DIRECTLY ASSIMILATED, and, at the same time, at the LOWEST DEGREE of OXYDATION. The Hypophosphites of Lime, Soda and Potash, present these conditions in the most complete manner, being perfectly soluble, and nearly as oxydizable as Phosphorus itself. The Hypophosphites exert an important influence DIRECTLY ON THE NERVOUS SYSTEM, of a TONIC CHARACTER, increasing the principle which constitutes nervous force, and are the MOST POWERFUL BLOOD-GENERATING AGENTS KNOWN. They are, therefore, invaluable in all forms of Nervous or General Debility, Asthma, Bronchitis, Dyspepsia, and Loss of Vital Energy from whatever cause. Ladies suffering from Complaints peculiar to their sex, will find this remedy act with charming effect, from its VITALIZING and REVOLVING power.

CAUTION TO THE PUBLIC.

Various unscrupulous and fraudulent attempts having been made to palm off bogus, impure, unreliable and injurious preparations, under the FALSE PRETENCE of their being the Genuine Discovery of Dr. Churchill of Paris, I now give notice that my "Genuine Compound of the Hypophosphites of Lime, Soda and Potash" will, after this date, be put up in extra large bottles, with the following words inscribed on the glass:

"DR. J. F. CHURCHILL'S HYPOPHOSPHITES OF LIME, SODA AND POTASH, A SPECIFIC REMEDY FOR CONSUMPTION, J. WINCHESTER, NEW-YORK."

Also, the label upon the bottle, and the wrapper, has a fac simile of my signature. No OTHER is Genuine. Dr. Churchill, in a private letter to me, says, in order to insure success: "THAT THE TREATMENT USED SHALL BE THE HYPOPHOSPHITES AS I HAVE EMPLOYED THEM. I DO NOT CONSIDER MYSELF IN ANYWISE RESPONSIBLE FOR THE ILL SUCCESS OF EVERY CRUDE FORMULA WHICH MAY BE IMAGINED BY OTHER PRACTITIONERS."

To give assurance to the public of the chemical purity of my preparation, I refer to the following

CERTIFICATE OF DR. CHILTON.

"I have carefully analyzed samples of the HYPOPHOSPHITES OF LIME, SODA AND POTASH, from which Mr. J. WINCHESTER manufactures Dr. Churchill's Compound Solution of the Hypophosphites, and find them properly made and Chemically pure. Having had many opportunities of testing the UNIFORM PURITY of the articles which he uses in compounding this new Remedy for Consumption, and having a personal knowledge of his honesty and integrity, I feel that I can assure the Profession and the Public that this preparation of the Hypophosphites can be relied on." New-York, Feb. 8, 1859. JAMES R. CHILTON, M.D., Chemist

From the N. Y. Druggists' Circular for Feb., 1859.—Edited by Dr. L. V. Newton.

"The Hypophosphites, taken as a class, seem to possess the power of INCREASING NERVE FORCE, and promoting the function of nutrition. * * * Dr. Churchill, who first brought them into notice, lays claim to them as SPECIFICS IN PULMONARY CONSUMPTION, alleging that the progress of this disease is altogether due to the waste of phosphorus."

"Whether this be true or not, there can be little doubt of the value of these Remedies as TONICS and ALTERNATIVES. Their anodyne effect is sometimes remarkable; when taken for some time they tend to produce most refreshing and renovating rest. * * * We have no doubt they have, in very many instances, prolonged life, and even RESTORED HEALTH TO PERSONS QUITE WASTED BY CONSUMPTION."

This Remedy is acquiring an unprecedented popularity from the INVARIABLE EFFICACY with which it acts in all diseases of the Lungs, even in hopeless cases. The most indubitable evidences of its extraordinary curative powers will be furnished to all who write to me for information. Thousands of lives may be saved by a timely use of the GENUINE HYPOPHOSPHITES. TESTIMONY OF DR. CHURCHILL:—"To be used with effect, the Hypophosphites must be perfectly pure; otherwise they may, in some cases, appear altogether inert, or even injurious. In five cases out of six, the Salts usually sold as pure in Paris, under the name of Hypophosphites, are totally unfit for Medical use."

DR. CHURCHILL'S WORK ON CONSUMPTION has been received from Paris, and will be published with all possible dispatch. I have also an ORIGINAL LETTER from Dr. CHURCHILL, in exposition of his Discovery, which, with Circulars, and other valuable information, will be sent to all sufferers throughout the Union, whose names may be forwarded to me.

The Hypophosphites have not only a REMEDIAL but a PRESERVATIVE POWER. They are a complete prophylactic (preventive) to tubercular disease, and act with INVARIABLE EFFICACY in all incipient cases, even of the acute kind, commonly called Galloping Consumption.

Price \$2 per bottle, or three bottles for \$5. Single bottles only, in concentrated solution, sent by mail when specially ordered. Allow no one to impose a fraudulent article upon you, but see that it is "WINCHESTER'S GENUINE PREPARATION" before you purchase. Use no other Sold Wholesale and Retail at the Sole General Depot in the United States, by

J. WINCHESTER,

American and Foreign Agency, 49 John-Street, N. Y.

Ad for Dr. J.F. Churchill's Specific Remedy for Consumption, J. Winchester NY Hypophosphites of Lime and Soda, in James Debow's Review Industrial Resources, Statistic, Etc. Devoted to Commerce, Agriculture, Manufactures, Internal Improvements, Political Economy, Education, General Literature, Etc., 1859





Photograph 1: Project site facing southeast.



Photograph 2: Project site facing northwest.



Photograph 3: Profile of Trench 1, east wall.



Photograph 4: Profile of Trench 1, north wall near east end.



Photograph 5: Profile of Trench 1, north wall near west end.



Photograph 6: Feature 1.



Photograph 7: Feature 2 prior to excavation.



Photograph 8: Feature 2 after excavation.



Photograph 9: Feature 3 prior to excavation.



Photograph 10: Feature 3 during excavation.



Photograph 11: Feature 3 after excavation.



Photograph 12: Feature 3 after excavation, detail.



Photograph 13: Feature 4.



Photograph 14: Feature 5 during excavation.



Photograph 15: Feature 5 after excavation.



Photograph 16: Feature 5 artifacts noted in the field.

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	Top	1	Architectural	Ceramic	Porcelain		knob	Complete	brown door knob with Metal attached
2	Top	2	Food Related	Ceramic	Earthenware	Yellowware	bowl	Fragment	Molded, mixing bowl
2	Top	3	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	Two Marks on base, "Porcelains opaque BridgeWood and Son
2	Top	1	Food Related	Ceramic	Earthenware	Whiteware	saucer	Fragment	Impressed Mark "Warranted Imperial..."
2	Top	1	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	Stamped "...URGESS"
2	Top	3	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	Molded, blue transfer print. Scene clear glaze, engine turned, with
2	Top	1	Food Related	Ceramic	Earthenware	Redware	Vessel	Fragment	traces of brown design
2	Top	2	Food Related	Ceramic	Earthenware	Rockingham	Teapot	Fragment	Molded design
2	Top	1	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	
2	Top	1	Food Related	Ceramic	Earthenware	Yellowware	Vessel	Fragment	annular, brown line and blue design
2	Top	1	Food Related	Ceramic	Porcelain	soft paste	teapot	spout	hand painted floral design, gold gilt
2	Top	1	Food Related	Ceramic	Porcelain	soft paste	Vessel	handle	
2	Top	1	Food Related	Glass	Tinted	Machine made	bottle	Fragment	round, embossed "D&P Martens, Whitestone, L.I."
2	Top	1	Food Related	Glass	Green	Machine made	bottle	Fragment	rim and neck, downtooled lip
2	Top	1	Food Related	Glass	Colorless		goblet	Fragment	pressed corded design
2	Top	1	Food Related	Glass	Colorless		goblet	Fragment	pressed fluted design
2	Top	1	Food Related	Glass	Colorless		goblet	Fragment	pressed swirl design
2	Top	1	Lighting	Glass	Colorless	Machine made	lamp	Fragment	pressed design, Fragment of handle
2	Top	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, square, 7 1/2", embossed "Ayer's Cherry Pectoral Lowell Mass
2	Top	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, square, 3 1/2", embossed "JH Whitson Flushing, L.I.
2	Top	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, square, 5", embossed "Dr. Porter New York"
2	Top	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, square, 5 1/4"
2	Top	2	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, square, 3 1/4"

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	Top	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, round, 3 1/4", wide-mouth
2	Top	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, round, 2 1/2", wide-mouth
2	Top	1	Personal	Glass	Tinted	Machine made	flask	Complete	poss medicine, 7", downtooled lip, side seams
2	Top	1	Personal	Glass	Green	Machine made	bottle	Fragment	medicine, square, base
2	Top	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, square, lip to shoulder
2	Top	1	Personal	Glass	Colorless	Machine made	bottle	Fragment	medicine, lip to neck
2	Top	1	Personal	Glass	Colorless	Machine made	bottle	Fragment	medicine, round, base
2	Top	1	Personal	Ceramic	Earthenware	Whiteware	chamberpot	Fragment	
2	Top	3	Personal	Ceramic	Porcelain	soft paste	Vessel	Fragment	poss vase, molded, floral applique, gold guild
2	Top	1	Personal	Ceramic	Porcelain		button	Complete	white, four hole
2	Top	1	Personal	Clay	Kaolin		pipe stem	Fragment	"Peter Dorni"
2	Top	1	Personal	Organic	Leather		shoe	Fragment	with lace holes
2	Top	1	Personal	Stone	graphite		pencil	Fragment	
2	Top	2	Unaffiliated	Glass	Colorless		Unidentified	Fragment	melted
2	Top	1	Unaffiliated	Anthracite			Coal	Fragment	
2	1	2	Architectural	Clay	concrete		block	Fragment	Molded "Vanguard..."
2	1	1	Architectural	Other			paint	Fragment	
2	1	1	Architectural	Organic	Wood		Wood	Fragment	with traces of paint
2	1	43	Architectural	Metal	Iron	Unidentified	nail	Fragment	
2	1	8	Architectural	Metal	Iron	Unidentified	nail	Complete	
2	1	2	Food Related	Ceramic	Earthenware	Redware	Vessel	Fragment	no glaze
2	1	3	Food Related	Ceramic	Earthenware	Redware	Vessel	Fragment	clear glaze
2	1	1	Food Related	Ceramic	Earthenware	Redware	crook	Fragment	clear glaze, engine turned, with traces of brown design
2	1	1	Food Related	Ceramic	Earthenware	Redware	Vessel	Fragment	clear glaze, slip decorated
2	1	1	Food Related	Ceramic	Earthenware	Rockingham	Teapot	Fragment	almost Complete, Rebekah at the Well decoration
2	1	22	Food Related	Ceramic	Earthenware	Rockingham	Teapot	Fragment	body Fragments, Rebekah at the Well decoration
2	1	3	Food Related	Ceramic	Earthenware	Rockingham	Teapot	Fragment	body/handle, Rebekah at the Well decoration

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	1	2	Food Related	Ceramic	Earthenware	Rockingham	Teapot	Fragment	lid, Rebekah at the Well decoration
2	1	2	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	Poss Tureen base
2	1	3	Food Related	Ceramic	Earthenware	Whiteware	pitcher	Fragment	molded with scalloped rim
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	poss serving bowl with handle, paneled
2	1	7	Food Related	Ceramic	Earthenware	Yellowware	plate	Fragment	poss pie plate
2	1	10	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	molded Ironstone
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	Molded, blue transfer print. Scene
2	1	4	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	blue transfer print
2	1	2	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	annular decoration blue and brown
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	embossed, "Warranted Imperial Gra..."
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	saucer	Fragment	embossed, poss "IVAN"
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	burned, with mark, "Edward Clarke Fonstall(?) Porcelain Opaque"
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	mark, "RONSTONE CHINA J.WEDGWood"
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	mark, "NAPOLEAN III EMPEREUR PRIZE MEDAL, PARIS 1867 AWARDED TO GEORGE JONES STOKES ON TRENT"
2	1	2	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	mark, "J.M. SHAW 70 CHATHAM & 25 DUANE STS NEW YORK
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	cup	Fragment	mark, "...HEEP ... BIDS ME"
2	1	1	Food Related	Ceramic	Earthenware	Whiteware	cup	Complete	Mark on side
2	1	1	Food Related	Ceramic	Earthenware	Unidentified	Vessel	Fragment	impressed rim, burned
2	1	1	Food Related	Ceramic	Porcelain		cup	Fragment	burned rim
2	1	1	Food Related	Ceramic	Porcelain		cup	Fragment	with remnants of decorated Green handle
2	1	2	Food Related	Ceramic	Porcelain		Vessel	Fragment	burned
2	1	1	Food Related	Ceramic	Stoneware		Vessel	spall	White body, tan salt glaze

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	1	2	Food Related	Glass	Colorless		Tumbler	Fragment	6 paneled slightly melted
2	1	18	Food Related	Glass	Tinted	Machine made	bottle	Fragment	small
2	1	1	Food Related	Glass	Green	Machine made	bottle	Fragment	
2	1	1	Food Related	Glass	yellow	Machine made	bottle	Fragment	
2	1	1	Food Related	Glass	brown	Machine made	bottle	Fragment	
2	1	1	Food Remains	Organic	Shell	oyster	Shell	Fragment	
2	1	2	food remains	Organic	Shell	clam	Shell	Fragment	hardShell
2	1	1	food remains	Organic	Shell	clam	Shell	Fragment	softShell
2	1	6	food remains	Organic	bone	mammal	bone	Fragment	burned
2	1	4	food remains	Organic	fruit	peach	pit	Fragment	burned
2	1	2	food remains	Organic		Unidentified	seed	Fragment	
2	1	1	Faunal	Organic	bone	mammal	bone	Fragment	jaw Fragment with 5 teeth, possible dog
2	1	3	Faunal	Organic	bone	mammal	bone	Fragment	thin possible skull Fragment
2	1	1	Lighting	Glass	Colorless		lamp chimney	Fragment	
2	1	5	Personal	Ceramic	Earthenware	Whiteware	chamberpot	Fragment	
2	1	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, round, embossed "Curtis & Perkins Proprietors Mrs. Winslow's Soothing Syrup" 5"
2	1	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, square, champfered corners 4 3/4" flanged lip
2	1	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, round, 4 1/2", shoulder seams, flanged lip
2	1	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, round, 3 1/4", side seams, flanged lip
2	1	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, square, embossed, "Hall & Ruckel Drugists New York" no Top
2	1	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, small flask, side seam, no Top
2	1	1	Personal	Metal	brass		key	Complete	skeleton key
2	1	1	Personal	Other	bone/Iron		utensil	Fragment	bone handle with remnant of Iron stem
2	1	9	Personal	Other	Wood/Iron		shoe	Fragment	heels
2	1	20	Personal	Organic	Leather		shoe	Fragment	
2	1	34	Personal	Organic	textile		cloth	Fragment	stained, burned, shredded

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	1	13	Unaffiliated	Organic	Wood		Unidentified	Fragment	burned
2	1	1	Unaffiliated	Organic	cork		cork	Fragment	burned
2	1	1	Unaffiliated	Metal	Iron		Unidentified	Fragment	poss buckle
2	1	11	Unaffiliated	Metal	Iron		Unidentified	Fragment	rusted
2	1	8	Unaffiliated	Metal	copper		Unidentified	Fragment	
2	1	3	Unaffiliated				Furnace Scale	Fragment	
2	1	2	Unaffiliated	Anthracite			coal	Fragment	
2	1	1	Unaffiliated	stone	marble		Unidentified	Fragment	square semi-polished with hole in center, possible lamp base
2	1	56	Unaffiliated	Metal	Iron		Unidentified	Fragment	
2	1	5	Unaffiliated	Metal	Iron		can	Fragment	
2	1	13	Unaffiliated	Metal	copper	strap	Unidentified	Fragment	
2	1	4	Unaffiliated	Metal	cast Iron		tube	Fragment	
2	1	1	Unaffiliated	Metal	cast Iron		spoked handle	Fragment	
2	1	2	Unaffiliated	Metal	copper		wire	Fragment	
2	1	1	Unaffiliated	Metal	copper		gear	Fragment	thin, flat
2	1	1	Unaffiliated	Metal	copper		gromet	Complete	
2	1	1	Unaffiliated	Metal	copper		nozzle	Fragment	small
2	1	3	Unaffiliated	Metal	copper		Unidentified	Fragment	thin strips
2	1	1	Unaffiliated	Metal	copper		Unidentified	Fragment	tube fused with Glass and Iron
2	1	1	Unaffiliated	Metal	copper		Unidentified	Fragment	flat, curved strip with ribbed design
2	1	1	Unaffiliated	Metal	Iron		wire	Fragment	
2	1	1	Unaffiliated	Metal	cast Iron		bracket	Fragment	with nail/screw holes; possible door bracke
2	1	6	Unaffiliated	Metal	Iron		Unidentified	Fragment	possible car engine parts
2	1	1	Unaffiliated	Metal	Iron		Unidentified	Fragment	partially covered by burned Wood/possible handle
2	1	1	Unaffiliated	Metal	Iron		Unidentified	Fragment	with whiteware fused into disk-like glob
2	1	2	Unaffiliated	Organic	Leather		Unidentified	Fragment	very small
2	S. half, L.2	15	Architectural	Glass	Colorless	flat	window	Fragment	
2	S. half, L.2	7	Architectural	Metal	Iron	Unidentified	nail	Fragment	
2	S. half, L.2	8	food related	Ceramic	Earthenware	Redware	Vessel	Fragment	no glaze
2	S. half, L.2	2	Food Related	Ceramic	Earthenware	Redware	Vessel	Fragment	black glaze
2	S. half, L.2	1	Food Related	Ceramic	Earthenware	Redware	Vessel	spall	slip decorated
2	S. half, L.2	9	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	rim

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	S. half, L.2	10	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	body
2	S. half, L.2	1	Food Related	Ceramic	Earthenware	Whiteware	cup	Fragment	
2	S. half, L.2	1	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	base
2	S. half, L.2	1	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	molded body
2	S. half, L.2	7	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	molded blue transfer print scene
2	S. half, L.2	1	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	molded blue transfer print scene
2	S. half, L.2	2	Food Related	Ceramic	Earthenware	Whiteware	plate	Fragment	blue transfer print, floral design
2	S. half, L.2	1	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	flow blue design
2	S. half, L.2	3	Food Related	Ceramic	Earthenware	Yellowware	Vessel	Fragment	base Fragment
2	S. half, L.2	2	Food Related	Ceramic	Earthenware	Yellowware	bowl	Fragment	mixing bowl rim with annular design
2	S. half, L.2	1	Food Related	Ceramic	Earthenware	Rockingham	Teapot	Fragment	
2	S. half, L.2	1	Food Related	Ceramic	Earthenware	Whiteware	egg cup	Fragment	base
2	S. half, L.2	20	Food Related	Ceramic	Stoneware	grey body	bottle	Fragment	Light Brown salt glazed Embossed, "Geohgkreuzbel Ahrweiler Rheinpreusser"
2	S. half, L.2	1	Food Related	Ceramic	Stoneware	grey body	bowl	Fragment	brown interior, brown salt glaze exterior
2	S. half, L.2	1	Food Related	Ceramic	Stoneware	grey body	Jug	Fragment	brown interior, and exterior
2	S. half, L.2	1	Food Related	Ceramic	Stoneware	buff body	bottle	Fragment	brown salt glazed embossed, "...UD STONE.."
2	S. half, L.2	1	Food Related	Ceramic	Stoneware	buff body	Vessel	Fragment	brown interior, salt glaze exterior
2	S. half, L.2	1	Food Related	Ceramic	Stoneware	Grey body	Vessel	spall	salt glaze
2	S. half, L.2	1	Food Related	Ceramic	Stoneware	buff body	Vessel	spall	brown glaze, rim
2	S. half, L.2	4	Food Related	Ceramic	Stoneware	grey body	bottle	Fragment	white and tan glaze
2	S. half, L.2	3	Food Related	Ceramic	Porcelain	Hard Paste	Vessel	Fragment	hand painted blue design
2	S. half, L.2	3	Food Related	Ceramic	Porcelain		Vessel	Fragment	no decoration
2	S. half, L.2	2	Food Related	Ceramic	Porcelain		Vessel	Fragment	rim, no decoration
2	S. half, L.2	1	Food Related	Ceramic	Porcelain		Vessel	Fragment	handle, no decoration
2	S. half, L.2	2	Food Related	Ceramic			Vessel	Fragment	molded, granite ware
2	S. half, L.2	7	Food Related	Glass	White		Vessel	Fragment	milk Glass
2	S. half, L.2	25	Food Related	Glass	Tinted	Machine made	bottle	Fragment	
2	S. half, L.2	27	Food Related	Glass	Colorless	Machine made	bottle	Fragment	
2	S. half, L.2	5	Food Related	Glass	Green	Machine made	bottle	Fragment	
2	S. half, L.2	4	Food Related	Glass	Tinted	Machine made	bottle	Fragment	round bases
2	S. half, L.2	5	Food Related	Glass	brown	Machine made	bottle	Fragment	

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	S. half, L.2	8	Food Related	Glass	dark Green	Machine made	bottle	Fragment	
2	S. half, L.2	3	Food Related	Glass	Dark Green	Machine made	bottle	Fragment	round bases
2	S. half, L.2	1	Food Related	Glass	dark Green	Machine made	bottle	Fragment	down-tooled lip, string rim to shoulder
2	S. half, L.2	5	Food Related	Glass	Tinted	Machine made	bottle	Fragment	blob Top, down-tooled rims, lip to neck
2	S. half, L.2	1	Food Related	Glass	Tinted	Machine made	bottle	Complete	7 1/4", square, wide-mouth, condiment bottle
2	S. half, L.2	1	Food Related	Glass	Colorless		tumbler	Fragment	paneled base
2	S. half, L.2	2	Food Related	Glass	Colorless		goblet	Fragment	paneled
2	S. half, L.2	2	Food Related	Glass	Colorless		goblet	Fragment	pressed corded design
2	S. half, L.2	3	Food Related	Glass	Colorless		drinking Glass	Fragment	ribbed
2	S. half, L.2	2	Food Related	Glass	Colorless		drinking Glass	Fragment	rims
2	S. half, L.2	1	Food Related	Glass	light blue		bottle	Fragment	
2	S. half, L.2	1	Food Related	Glass	dark blue		bottle	Fragment	blob Top
2	S. half, L.2	2	Food Related	Glass	blue/Green		bottle	Fragment	body Fragments
2	S. half, L.2	2	Food Related	Glass	Tinted		bottle	Fragment	wide mouth, condiment bottle
2	S. half, L.2	1	Food Related	Glass	Colorless		bottle	Fragment	wide mouth, condiment bottle
2	S. half, L.2	2	Food Related	Glass	Colorless		Vessel	Fragment	pressed Glass
2	S. half, L.2	1	Faunal	Organic	bone	mammal	bone	Fragment	small terrestrial mammal jaw Fragment with tooth
2	S. half, L.2	1	Faunal	Organic	bone	mammal	bone	Fragment	Unidentified
2	S. half, L.2	1	Food Remains	Organic	bone	mammal	bone	Fragment	small terrestrial mammal, butchered
2	S. half, L.2	1	Food Remains	Organic	bone	fish	bone	Fragment	
2	S. half, L.2	126	Food Remains	Organic	Shell	clam	Shell	half	hardShell
2	S. half, L.2	8	Food Remains	Organic	Shell	clam	Shell	Fragment	hardShell
2	S. half, L.2	1	Food Remains	Organic	Shell	clam	Shell	half	softShell
2	S. half, L.2	10	Food Remains	Organic	Shell	oyster	Shell	half	
2	S. half, L.2	5	Food Remains	Organic	Shell	bird	eggShell	Fragment	
2	S. half, L.2	5	Lighting	Glass	Colorless		lamp chimney	Fragment	
2	S. half, L.2	1	Personal	ceramic	Earthenware	Whiteware	chamberpot	Fragment	
2	S. half, L.2	1	Personal	ceramic	Earthenware	Rockingham	spittoon	Fragment	
2	S. half, L.2	1	Personal	Ceramic	porcelain		figurine	Fragment	basket

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, square, 7 1/4" "Dr. J.F. Churchills Specific Remedy for Consumption, J. Winchester New York Hypophosphites of Lime and Soda
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, square, 5", "Dr. Porter, New York"
2	S. half, L.2	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, square, 4 1/2",
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, square, 5 3/4"
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, square, 3 3/4"
2	S. half, L.2	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, square, 3 1/2"
2	S. half, L.2	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, round, 3"
2	S. half, L.2	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, round, 5", wide mouth
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Complete	medicine, flask, 4"
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, square, embossed, "Hales Honey of Horehound and... C.N. CRITTE NE..."
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, flask, embossed, "Dr. D. Jayne's Tonic Vermifuge ...CHEST ST PHILA"
2	S. half, L.2	2	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, flask, bases
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, paneled
2	S. half, L.2	2	Personal	Glass	Colorless	Machine made	bottle	Fragment	medicine, square base
2	S. half, L.2	2	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, square base
2	S. half, L.2	2	Personal	Glass	Colorless	Machine made	bottle	Fragment	medicine, body
2	S. half, L.2	4	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, shoulder to lip, flask
2	S. half, L.2	3	Personal	Glass	Colorless	Machine made	bottle	Fragment	medicine, square, shoulder to lip
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, round, embossed, "Philada"
2	S. half, L.2	1	Personal	Glass	Colorless	Machine made	bottle	Fragment	medicine, square, embossed, "...FOR..."
2	S. half, L.2	1	Personal	Glass	Colorless	Machine made	bottle	Fragment	medicine, square, embossed, "...SAT..."
2	S. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, round, embossed, "...O..."
2	S. half, L.2	1	Personal	Glass	Colorless	Machine made	bottle	Complete	inkwell

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	S. half, L.2	13	Personal	ceramic	Porcelain		button	Complete	4 hole
2	S. half, L.2	1	Personal	ceramic	Porcelain		button	Fragment	
2	S. half, L.2	1	Personal	Metal	brass		button	Fragment	
2	S. half, L.2	1	Personal	Metal	alloy		button	Fragment	
2	S. half, L.2	1	Personal	Metal	Iron		button	Fragment	
2	S. half, L.2	1	Personal	Organic	Wood		button	Complete	single hole
2	S. half, L.2	1	Personal	Metal	brass		pin	Complete	round with diamond design
2	S. half, L.2	4	Personal	Metal	brass		eyelet	Complete	
2	S. half, L.2	2	Personal	Organic	bone		comb	Fragment	lice comb
2	S. half, L.2	6	Personal	Organic	Wood		spool	Fragment	for thread
2	S. half, L.2	1	Personal	Metal	brass		thimble	Complete	
2	S. half, L.2	5	Personal	Clay			marble	Complete	
2	S. half, L.2	1	Personal	Organic	bone		utensil	Fragment	one half of handle
2	S. half, L.2	4	Personal	Clay	Kaolin		pipe stem	Fragment	
2	S. half, L.2	2	Personal	Clay	Kaolin		pipe stem	Fragment	curved
2	S. half, L.2	1	Personal	Clay	Kaolin		pipe stem	Fragment	Green glazed
2	S. half, L.2	1	Personal	Clay	Kaolin		pipe	Fragment	Complete bowl and partial stem of "Peter Dorni" pipe
2	S. half, L.2	3	Personal	Clay	Kaolin		pipe stem	Fragment	"Peter Dorni"
2	S. half, L.2	1	Personal	Clay	Kaolin		pipe bowl	Fragment	"TD"
2	S. half, L.2	1	Personal	Clay	Kaolin		pipe bowl	Fragment	African facial decoration
2	S. half, L.2	1	Personal	Glass	Colorless		plunger	Fragment	
2	S. half, L.2	1	Personal	Metal	brass		buckle	Fragment	
2	S. half, L.2	1	Personal	Metal	brass		buckle	Complete	for adjusting a strap
2	S. half, L.2	2	Personal	textile			cloth	Fragment	brown
2	S. half, L.2	2	Personal	Organic	Leather		shoe	Fragment	
2	S. half, L.2	1	Personal	Metal	lead		musketball	Complete	melted
2	S. half, L.2	2	Personal	textile			cloth	Fragment	black
2	S. half, L.2	45	Unaffiliated	Metal	Iron		bucket	Fragment	
2	S. half, L.2	2	Unaffiliated	Metal	Iron	Unidentified	handle	Fragment	
2	S. half, L.2	1	Unaffiliated	Metal	Iron		Unidentified	Fragment	tube
2	S. half, L.2	3	Unaffiliated	Metal	Iron		Unidentified	Fragment	
2	S. half, L.2	6	Unaffiliated	Metal	copper	sheet	Unidentified	Fragment	
2	S. half, L.2	5	Unaffiliated	Metal	copper		Unidentified	Fragment	
2	S. half, L.2	1	Unaffiliated	Metal	brass		gear	Fragment	
2	S. half, L.2	1	Unaffiliated	Metal	brass		ring	Complete	"o" ring
2	S. half, L.2	1	Unaffiliated	Metal	brass		Unidentified	Fragment	

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	S. half, L.2	1	unaffiliated	Anthracite			coal	Fragment	
2	S. half, L.2	2	Unaffiliated				Furnace Scale	Fragment	
2	S. half, L.2	3	Unaffiliated	Glass	Tinted		bottle	Fragment	burned and melted
2	S. half, L.2	1	Unaffiliated	Organic	Wood		dowel	Fragment	
2	S. half, L.2	2	Unaffiliated	Organic	Wood		broom	Fragment	
2	N. half, L.2	2	Architectural	Metal	Iron		shutter dogs	Complete	
2	N. half, L.2	1	Architectural	Metal	Iron		door lock	Fragment	rectangular, lock mechanism for skeleton key, 6" x 4"
2	N. half, L.2	2	Architectural	Metal	Iron	machine cut	nail	Complete	square heads
2	N. half, L.2	2	food related	ceramic	Earthenware	Redware	Vessel	Fragment	no glaze
2	N. half, L.2	3	food related	ceramic	Earthenware	Redware	Vessel	Fragment	clear glaze w/ brown decoration
2	N. half, L.2	1	Food Related	ceramic	Earthenware	Whiteware	Teapot	Fragment	with scalloped rim
2	N. half, L.2	3	food related	ceramic	Earthenware	Whiteware	plate	Fragment	blue transfer print, scene
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	Vessel	Fragment	blue transfer print, scene, molded
2	N. half, L.2	3	food related	ceramic	Earthenware	Whiteware	plate	Fragment	molded edge w/ mark on base, "Ironstone China James Edwards"
2	N. half, L.2	2	Food Related	ceramic	Earthenware	Whiteware	plate	Fragment	partial mark, "NA S & Son," The Lion and the Unicorn
2	N. half, L.2	2	Food Related	ceramic	Earthenware	Whiteware	plate	Fragment	partial mark, "...RD Clarke Tunstall Opaque," also impressed "R Clarke", Edward Clark and Co. Years of operation ca 1865-1877
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	plate	Fragment	partial mark, impressed "John Ma....k & Son Burslem", Maddock & Son 1855-1870
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	plate	Fragment	partial mark, 'M. Shaw...HATHAM & 25 Duane Sts W. York," impressed "Ironstone" James M. Shaw 1907-1940s
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	plate	Fragment	partial mark, "Porcelaine de t...trade ma..."

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	plate	Fragment	partial mark, "patent...tone...oddar..." The Lion and the Unicorn
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	plate	Fragment	partial mark, "Wards...alehale..."
2	N. half, L.2	1	food related	ceramic	Earthenware	whiteware	bowl	Fragment	partial mark, "...ERRE..."
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	bowl	Fragment	partial mark, "Ironstone China M. P. Co.," The Lion and the Unicorn
2	N. half, L.2	2	food related	ceramic	earthenware	Whiteware	platter	Fragment	mark, "W Adams & Sons," Lion and Lady, blue transfer print, W. Adams & Sons 1819-1864
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	teacup	Fragment	with impressed square on base
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	Vessel	Fragment	with blue annular design
2	N. half, L.2	1	food related	ceramic	Earthenware	Mochaware	Vessel	Fragment	brown, white and Green annular design
2	N. half, L.2	1	food related	ceramic	Earthenware	Yellowware	jar	Fragment	
2	N. half, L.2	7	food related	ceramic	Earthenware	Yellowware	Vessel	Fragment	4 base and 3 bowl rims
2	N. half, L.2	1	food related	ceramic	Earthenware	Yellowware	bowl	Fragment	mixing bowl rim with annular design
2	N. half, L.210	10	food related	ceramic	Earthenware	Yellowware	bowl	Fragment	lg. mixing bowl with molded floral design
2	N. half, L.2	3	food related	ceramic	Earthenware	Rockingham	Teapot	Fragment	
2	N. half, L.2	4	food related	ceramic	Am. stoneware	grey body	crock	Fragment	salt glaze, blue floral design, br interior, partial mark impressed "RE...ON"
2	N. half, L.2	1	food related	ceramic	Am. stoneware	grey body	Vessel	Fragment	br salt glaze exterior, br interior
2	N. half, L.2	1	food related	ceramic	stoneware	grey body	Vessel	Fragment	br glaze exterior, drk br interior
2	N. half, L.2	1	food related	ceramic	Stoneware	buff body	Vessel	Fragment	light br salt glaze exterior
2	N. half, L.2	1	food related	ceramic	Earthenware	Whiteware	pitcher	Fragment	br transfer print, pastoral design, height approx. 10", molded/fluted
2	N. half, L.2	1	food related	ceramic	porcelain		egg cup	Fragment	base
2	N. half, L.2	1	food related	Glass	dark Green		bottle	Fragment	base
2	N. half, L.2	1	food related	Glass	dark Green		bottle	Fragment	neck with down tooled lip

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	N. half, L.2	5	food related	Glass	Tinted	Machine made	bottle	Fragment	square, embossed "AYER's Sarsaparilla / LOW LL...MAS... USA"
2	N. half, L.2	1	food related	Glass	Tinted	Machine made	bottle	Fragment	Top of condiment bottle
2	N. half, L.2	1	food related	Glass	Tinted	Machine made	bottle	Fragment	wide-ribbed paneled round bottle
2	N. half, L.2	1	food related	Glass	brown	Machine made	bottle	Fragment	lip to shoulder, probably liquor bottle
2	N. half, L.2	1	food related	Glass	Tinted	Machine made	tumbler	Fragment	paneled base
2	N. half, L.2	1	food related	Glass	Colorless		bottle	Fragment	decorative - thick-strings around neck, melted
2	N. half, L.2	1	food related	Glass	white		Vessel	Fragment	milk Glass
2	N. half, L.2	1	food remains	Organic	bone	mammal	bone	Fragment	small terrestrial mammal
2	N. half, L.2	1	faunal	Organic	bone	mammal	bone	Complete	possible cat femur
2	N. half, L.2	1	lighting	Glass	Colorless	Machine made	lamp	Fragment	pressed Glass, lamp base with handle
2	N. half, L.2	3	lighting	Metal	Iron		gas lamp pipe	Fragment	
2	N. half, L.2	1	Personal	Glass	Tinted		vial	Complete	3.5" tall
2	N. half, L.2	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, 2.25" round
2	N. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, square, embossed: "& RUCKEL... ..GGISTS...EW YORK"
2	N. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, square, embossed: "NTON...W YORK"
2	N. half, L.2	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, lip to neck
2	N. half, L.2	3	Personal	ceramic	porcelain		button	Complete	4-holes
2	N. half, L.2	1	Personal	Clay	Kaolin		pipestem	Fragment	
2	N. half, L.2	1	Personal	Clay	Kaolin		pipestem	Fragment	Peter Dorni
2	N. half, L.2	1	Personal	Clay	Kaolin		pipestem	Fragment	
2	N. half, L.2	1	Personal	Clay	Kaolin		pipebowl	Fragment	undecorated, unused
2	N. half, L.2	1	Personal	Clay	Kaolin		pipebowl	Fragment	feather design, partial foot, large bowl
2	N. half, L.2	1	Personal	Clay			marble	Complete	
2	N. half, L.2	1	Personal	Organic	Leather		sheath	Fragment	with evidence of stitching on edges
2	N. half, L.2	4	Unaffiliated	Metal	brass		clock	Fragment	decorative front and gear, possible rear or bottom panel
2	N. half, L.2	1	Unaffiliated	Metal	Iron		lock	Complete	heart shaped hanging lock

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
2	N. half, L.2	1	Unaffiliated	Metal	Iron		hook	Fragment	
2	N. half, L.2	2	Unaffiliated	Metal	Iron		eschutcheon	Fragment	
2	N. half, L.2	5	Unaffiliated	Metal	Iron		sheet	Fragment	Unidentified
2	N. half, L.2	1	Unaffiliated	Metal	Iron		plate	Fragment	with 7 nail holes
2	N. half, L.2	2	Unaffiliated	Metal	copper		wire	Fragment	
2	N. half, L.2	1	Unaffiliated	Metal	Iron		rod	Fragment	Unidentified
3	E. half, L.1	17	Architectural	Glass	Tinted	flat	window	Fragment	
3	E. half, L.1	1	Architectural	Clay			brick	Fragment	
3	E. half, L.1	2	Architectural	Metal	Iron	cut	nail	Complete	
3	E. half, L.1	1	Architectural	Metal	Iron	cut	nail	Fragment	
3	E. half, L.1	6	Architectural	Metal	Iron	wire	nail	Fragment	
3	E. half, L.1	5	Architectural	stone	slate		roofing tiles	Fragment	
3	E. half, L.1	1	Architectural	plaster			plaster	Fragment	
3	E. half, L.1	6	Food Related	ceramic	Earthenware	Whiteware	Vessel	Fragment	
3	E. half, L.1	1	Food Related	ceramic	Earthenware	whiteware	Vessel	spall	
3	E. half, L.1	1	Food Related	ceramic	Earthenware	Whiteware	Vessel	handle	molded for large Vessel
3	E. half, L.1	1	Food Related	ceramic	Earthenware	rockingham	Vessel	spall	
3	E. half, L.1	2	food related	ceramic	Earthenware	Whiteware	Vessel	Fragment	with traces of blue transfer print
3	E. half, L.1	2	Food Related	ceramic	Earthenware	Redware	Vessel	Fragment	interior glaze
3	E. half, L.1	1	Food Related	ceramic	Earthenware	Whiteware	cup	Fragment	has gold gilt design at rim
3	E. half, L.1	1	Food Related	ceramic	porcelain		cup	Fragment	with blue applied toga figure on exterior
3	E. half, L.1	7	Food Related	ceramic	porcelain		plate	Fragment	with molded rim and gold gilt design, partial mark on base, "C.T."?
3	E. half, L.1	2	Food Related	ceramic	stoneware	gray body	crook	Fragment	base of large Vessel, salt glaze
3	E. half, L.1	1	Food Related	ceramic	stoneware	gray body	bottle	Fragment	brown glaze exterior and interior
3	E. half, L.1	1	Food Related	ceramic	stoneware	buff body	Vessel	Fragment	dark brown interior and light brown exterior glaze
3	E. half, L.1	11	Food Related	Glass	Colorless	Machine made	bottle	Fragment	round bottle
3	E. half, L.1	1	Food Related	Glass	Colorless	Machine made	bottle	Fragment	square bottle
3	E. half, L.1	1	Food Related	Glass	Colorless	Machine made	bottle	Fragment	paneled bottle
3	E. half, L.1	5	Food Related	Glass	Tinted	Machine made	bottle	Fragment	round bottle
3	E. half, L.1	1	Food Related	Glass	light Green	Machine made	bottle	Fragment	square bottle with fluted corners
3	E. half, L.1	1	Food Related	Glass	blue	Machine made	bottle	Fragment	round bottle
3	E. half, L.1	1	Food Related	Glass	blue / Green	Machine made	bottle	Fragment	round bottle

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
3	E. half, L. 1	2	Food Related	Glass	Colorless	Machine made	mug	Fragment	round Vessel with high kick and handle Fragment
3	E. half, L. 1	2	Food Remain	Organic	Shell	clam	Shell	half	
3	E. half, L. 1	4	Lighting	Glass	Colorless		lamp chimney	Fragment	.
3	E. half, L. 1	27	Personal	ceramic	porcelain	bathroom	toilet	Fragment	
3	E. half, L. 1	1	Personal	stone	mica		fan blade	Complete	
3	E. half, L. 1	1	Personal	Metal	brass		key	Complete	skeleton key
3	E. half, L. 1	2	Personal	Organic	bone		button	Complete	single hole
3	E. half, L. 1	1	Personal	stone	jet		button	Complete	with attached brass eye
3	E. half, L. 1	4	Personal	Organic	Leather		shoe	Fragment	
3	E. half, L. 1	2	Personal	Organic	Leather		belt	Fragment	one with attached brass buckle
3	E. half, L. 1	3	Unaffiliated	ceramic	stoneware		sewer pipe	Fragment	
3	E. half, L. 1	1	Unaffiliated	Other			concrete	Fragment	
3	E. half, L. 1	2	Unaffiliated	Metal	Iron		strap	Fragment	
3	E. half, L. 1	1	Unaffiliated	Metal	Iron		bracket	Complete	
3	E. half, L. 1	2	Unaffiliated	Organic	Leather		Leather	Fragment	one with copper rivet
3	E. half, L. 1	6	Unaffiliated	Metal	Iron		Unidentified	Fragment	
3	E. half, L. 1	7	Unaffiliated	Metal	copper		wire	Fragment	insulated
3	E. half, L. 1	1	Unaffiliated	Metal	copper		wire	Fragment	plain
3	E. half, L. 1	4	Unaffiliated	Metal	white Metal		Unidentified	Fragment	possible container
3	E. half, L. 1	2	Unaffiliated	Other	rubber?		Unidentified	Fragment	red rubber with hand painted design
3	E. half, L. 1	2	Unaffiliated	Other			furnace scale	Fragment	
3	E. half, L. 1	1	Unaffiliated	Anthracite			coal	Fragment	
3	W. half, L. 1	25	Architectural	Glass	Tinted	flat	window	Fragment	
3	W. half, L. 1	5	Architectural	Metal	Iron	wire	nail	Complete	
3	W. half, L. 1	9	Architectural	Metal	Iron	wire	nail	Fragment	
3	W. half, L. 1	3	Architectural	Metal	Iron	cut	nail	Fragment	
3	W. half, L. 1	1	Architectural	stone	slate		roofing tiles	Fragment	
3	W. half, L. 1	10	Food Related	Ceramic	Earthenware	Whiteware	Vessel	Fragment	
3	W. half, L. 1	1	Food Related	ceramic	Earthenware	Whiteware	Vessel	Fragment	edge decorated, blue line
3	W. half, L. 1	1	Food Related	ceramic	Earthenware	Yellowware	Vessel	spall	
3	W. half, L. 1	4	Food Related	ceramic	Earthenware	Redware	Vessel	Fragment	no glaze
3	W. half, L. 1	1	Food Related	ceramic	Earthenware	Redware	Vessel	spall	with partial slip decoration
3	W. half, L. 1	1	Food Related	ceramic	Earthenware	Redware	bottle	Fragment	lip to neck, clear glaze
3	W. half, L. 1	1	Food Related	ceramic	Earthenware	Whiteware	Vessel	spall	with traces of blue transfer print
3	W. half, L. 1	1	Food Related	ceramic	Earthenware	Whiteware	cup	Fragment	Green transfer print floral design

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
3	W. half, L. 1	1	Food Related	ceramic	Earthenware	Whiteware	Vessel	Fragment	Ironstone, with molded rim
3	W. half, L. 1	3	Food Related	ceramic	stoneware	buff body	Vessel	Fragment	exterior salt glaze
3	W. half, L. 1	1	Food Related	ceramic	stoneware	buff body	Vessel	Fragment	interior brown glaze, exterior light brown glaze
3	W. half, L. 1	5	Food Related	ceramic	porcelain		Vessel	Fragment	
3	W. half, L. 1	1	Food Related	ceramic	porcelain		Vessel	Fragment	with blue/Green decoration and gold gilt line, thick Fragment
3	W. half, L. 1	1	Food Related	ceramic	porcelain		Vessel	Fragment	possible round container base
3	W. half, L. 1	2	Food Related	ceramic	porcelain		Vessel	Fragment	possible round container base, dark blue glaze exterior and traces of gold gilt
3	W. half, L. 1	7	Food Related	Glass	Colorless	Machine made	bottle	Fragment	
3	W. half, L. 1	3	Food Related	Glass	Tinted	Machine made	bottle	Fragment	
3	W. half, L. 1	2	Food Related	Glass	blue / Green	Machine made	bottle	Fragment	
3	W. half, L. 1	1	Food Related	Glass	dark Green	Machine made	bottle	Fragment	
3	W. half, L. 1	3	Food Related	Glass	Colorless	Machine made	bottle	Fragment	with embossed design and "FLUS...D", possible milk bottle
3	W. half, L. 1	4	Food Related	Metal	Iron	Machine made	cap	Fragment	crown bottle cap post 1892
3	W. half, L. 1	1	Food Related	Glass	Colorless	Machine made	tumbler	Fragment	paneled
3	W. half, L. 1	1	Food Related	Glass	Colorless	Machine made	bottle	Fragment	round bottle base
3	W. half, L. 1	3	Food Remain	Organic	Shell	clam	Shell	half	
3	W. half, L. 1	1	Food Remain	Organic	Shell	clam	Shell	Fragment	
3	W. half, L. 1	2	Food Remain	Organic	Shell	oyster	Shell	Fragment	
3	W. half, L. 1	1	Food Remain	Organic			peach pit	Complete	
3	W. half, L. 1	1	Lighting	Glass	Colorless		lamp chimney	Fragment	
3	W. half, L. 1	8	Personal	Ceramic	porcelain	bathroom	toilet	Fragment	
3	W. half, L. 1	6	Personal	Glass	Tinted	Machine made	ink bottle	Fragment	
3	W. half, L. 1	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, flat lip to neck
3	W. half, L. 1	1	Personal	Glass	Colorless	Machine made	bottle	Fragment	medicine, square bottle
3	W. half, L. 1	1	Personal	Organic	Shell		button	Complete	four hole
3	W. half, L. 1	1	Personal	ceramic	porcelain		button	Complete	four hole
3	W. half, L. 1	1	Personal	Glass	white		button	Complete	two hole milk Glass
3	W. half, L. 1	2	Personal	ceramic	porcelain		figurine	Fragment	molded
3	W. half, L. 1	1	Personal	Organic	tortoise		comb	Fragment	tine of large tortoise Shell comb
3	W. half, L. 1	1	Personal	Clay	Kaolin		smoking pipe	Fragment	bowl Fragment, unused
3	W. half, L. 1	2	Personal	Metal	alloy		snaps	Complete	for clothing

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
3	W. half, L. 1	1	Personal	Organic	bone		peg	Complete	possibly for musical instrument or gaming piece, carved, possibly fits together with Fragment in feature 5
3	W. half, L. 1	3	Personal	Organic	Leather		strap	Fragment	1 has hasp attached
3	W. half, L. 1	2	Personal	Metal	brass		buckle	Fragment	
3	W. half, L. 1	4	Unaffiliated	ceramic	stoneware		sewer pipe	Fragment	
3	W. half, L. 1	2	Unaffiliated	Metal	Unidentified		nail	Fragment	galvanized
3	W. half, L. 1	1	Unaffiliated	stone			honing stone	Fragment	
3	W. half, L. 1	1	Unaffiliated	ceramic	porcelain		drawer pull	Complete	
3	W. half, L. 1	1	Unaffiliated	Metal	brass		finial	Fragment	
3	W. half, L. 1	4	Unaffiliated	Metal	brass		collar	Fragment	possible lamp collar
3	W. half, L. 1	3	Unaffiliated	Metal	copper		wire	Fragment	insulated
3	W. half, L. 1	4	Unaffiliated	Metal	cast Iron		stove	Fragment	
3	W. half, L. 1	8	Unaffiliated	Metal	Iron		Unidentified	Fragment	
3	W. half, L. 1	1	Unaffiliated	Metal	Iron		spike	Complete	
3	W. half, L. 1	1	Unaffiliated	Metal	Iron		railroad spike	Complete	
3	W. half, L. 1	1	Unaffiliated	Metal	Iron		hook	Fragment	
3	W. half, L. 1	2	Unaffiliated	Anthracite			coal	Fragment	
3	W. half, L. 1	1	Unaffiliated	Other			slag	Fragment	with burned bone
3	W. half, L. 1	1	Unaffiliated	Other			furnace scale	Fragment	
5	E. half	3	Architectural	Glass	Tinted	flat	window	Fragment	
5	E. half	2	Architectural	stone	slate		roofing tiles	Fragment	
5	E. half	6	Architectural	Metal	Iron	wire	nail	Fragment	
5	E. half	4	Food Related	ceramic	Earthenware	Whiteware	Vessel	Fragment	
5	E. half	4	Food Related	ceramic	Earthenware	Whiteware	Vessel	Fragment	blue transfer print
5	E. half	1	Food Related	ceramic	Earthenware	Whiteware	Vessel	Fragment	brown transfer print
5	E. half	1	Food Related	ceramic	Earthenware	Whiteware	bowl	Fragment	blue and Green floral decal
5	E. half	1	Food Related	ceramic	Earthenware	Yellowware	bowl	Fragment	white annular design
5	E. half	3	Food Related	ceramic	porcelain		Vessel	Fragment	
5	E. half	5	Food Related	ceramic	porcelain		bowl	Fragment	molded, floral underglaze design and gold gilt overglaze pattern
5	E. half	2	Food Related	ceramic	porcelain		Vessel	Fragment	hand painted floral design underglaze, gold gilt overglaze
5	E. half	1	Food Related	ceramic	stoneware	buff body	Vessel	Fragment	interior brown glaze, exterior salt glaze
5	E. half	5	Food Related	Glass	Colorless	Machine made	bottle	Fragment	possible milk bottle

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Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
5	E. half	2	Food Related	Glass	brown	Machine made	bottle	Fragment	round bottle, embossed "C 5"
5	E. half	1	Food Related	Glass	Colorless	Machine made	bottle	Fragment	wide mouth possibly for condiment
5	E. half	1	Food Related	Glass	Tinted	Machine made	bottle	Fragment	square bottle base
5	E. half	1	Food Related	Glass	blue	Machine made	bottle	Fragment	very small Fragment
5	E. half	1	Food Related	Glass	Colorless	Machine made	flask	Fragment	base
5	E. half	1	Food Related	Glass	Colorless	Machine made	jar	Fragment	rim with screw thread
5	E. half	1	Food Related	Glass	Tinted		bottle	Fragment	melted
5	E. half	1	Food Related	Glass	Tinted	Machine made	bottle	Fragment	embossed "...Point LI"
5	E. half	1	Food Related	Glass	white		bottle	Fragment	milk Glass
5	E. half	1	Food Related	Metal	Iron		cap	Complete	crown bottle cap post 1892
5	E. half	3	Food Remain	Organic	Shell	oyster	Shell	Fragment	
5	E. half	2	Food Remain	Organic	Shell	clam	Shell	Fragment	
5	E. half	1	Lighting	Glass	Colorless		lamp chimney	Fragment	molded end
5	E. half	1	Lighting	Metal	copper		bulb	Fragment	base with screw threads
5	E. half	1	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, round lip to shoulder
5	E. half	3	Personal	Glass	Tinted	Machine made	bottle	Fragment	medicine, square bottle
5	E. half	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, 3 1/2" flange lip square bottle
5	E. half	1	Personal	Glass	Colorless	Machine made	bottle	Complete	medicine, 3 1/4" flange lip square bottle
5	E. half	1	Personal	Glass	brown	Machine made	bottle	Complete	medicine, 4" flange lip square bottle
5	E. half	3	Personal	Ceramic	Earthenware	Redware	flower pot	Fragment	
5	E. half	2	Personal	Organic	Leather		glove	Fragment	
5	E. half	1	Personal	Organic	bone		button	Fragment	
5	E. half	1	Personal	Organic	cork		cork	Fragment	possibly from medicine bottle
5	E. half	1	Personal	Organic	bone		peg	Fragment	possibly for musical instrument or gaming piece, carved, possibly fits together with Fragment in feature 3
5	E. half	18	Personal	Organic	paper		newspaper	Fragment	Unidentified date
5	E. half	2	Unaffiliated	Ceramic	stoneware		sewer pipe	Fragment	
5	E. half	1	Unaffiliated	Ceramic	porcelain		insulator	Fragment	Forestry Insulator with embossed "C P CO." 37. Cook and Company 1897-1931.
5	E. half	2	Unaffiliated	Organic	Wood		Unidentified	Fragment	one with nail

37th Avenue Flushing: Catalog of Recovered Artifacts

Feature	Level	#	Functional Group	Class	Material	Type	Object	Part	Description
5	E. half	5	Unaffiliated	Metal	Iron		Unidentified	Fragment	
5	E. half	1	Unaffiliated	Metal	Iron		can	Fragment	base with remnants of Green contents
5	E. half	2	Unaffiliated	Metal	Unidentified	wire	nail	Fragment	galvanized
5	E. half	1	Unaffiliated	Metal	Iron		wire	Fragment	
5	E. half	1	Unaffiliated	Metal	copper		wire	Fragment	
5	E. half	1	Unaffiliated	Metal	Iron		screw	Fragment	
5	E. half	1	Unaffiliated	Metal	alloy		nut	Complete	round and ribbed
5	E. half	1	Unaffiliated	Metal	copper		Unidentified	Fragment	possible machine part, flat, with holes
5	E. half	1	Unaffiliated	Organic	Wood		Unidentified	Fragment	flat
5	E. half	1	Unaffiliated	Other	carbon		Unidentified	Fragment	possible battery part or handle
5	E. half	1	Unaffiliated	Anthracite			coal	Fragment	

Appendix B: Catalog of Recovered Faunal Material

Feature 2

Location	#	Bone	Detail
Top of Feature	1	Mandible fragment	Mature adult cow, sawed (med saw)
Top of Feature	1	Scapula fragment	Mature adult cow, sawed
Top of Feature	1	Proximal ulna	Mature adult cow, fine tooth saw
Top of Feature	1	Lumbar vertebrae	6-8 years mature adult cow, sawed
Top of Feature	1	Rib head	Adult range - cow
Top of Feature	2	Proximal right tibia shaft fragments	Mature adult cow, sawed (soup or stew)
Top of Feature	1	Distal radius	Young adult pig (green fracture)
Top of Feature	1	Metacarpal 1	Mature adult pig, sawed
Top of Feature	1	Ilium acetabulum fragment	Young adult pig (green fracture)
Top of Feature	1	Right distal femur	Young adult pig (green fracture)
Top of Feature	1	Proximal tibia	Young adult pig (green fracture)
Top of Feature	1	Right mandibular condyle	Adult sheep/goat
Top of Feature	1	Right maxillary molar 2	Young Adult sheep/goat
Top of Feature	1	Right Proximal Ulna	Adult sheep/goat
Top of Feature	5	Rib fragments	Adult sheep/goat
Top of Feature	2	Left and Right ilium fragments	Mature Adult sheep/goat (left sawed, right green fracture)
Top of Feature	1	Left acetabulum fragment	Adult sheep/goat
Top of Feature	1	Left distal humerus	Mature Adult sheep
Top of Feature	1	Left proximal ulna	Mature Adult sheep (green fracture)
Top of Feature	1	Right radius	Mature Adult sheep (cleaver marks)
Top of Feature	2	Right and left 1 st phalanx	Adult sheep
Top of Feature	1	Proximal left humerus	Mature adult goat (green fracture)
Top of Feature	1	Left mandible	Juvenile cat (6-6 ½ months)
Top of Feature	1	Right coracoid	Adult turkey
Top of Feature	1	Right proximal humerus	Adult female turkey (gnawed)
Top of Feature	1	Proximal right femoral head	Adult turkey
Top of Feature	1	Left distal femur	Adult turkey
Top of Feature	1	Proximal right tibiotarsus	Adult female turkey
Top of Feature	2	Tarsometatarsals	Adult turkey (one is gnawed – dog)
Top of Feature	1	Cranial vault	Adult chicken
Top of Feature	1	Left coracoid	Adult chicken
Top of Feature	2	Right ulnae	Adult chicken
Top of Feature	1	Proximal left femoral head	Adult chicken
Top of Feature	1	Distal right femur	Adult chicken
Top of Feature	1	Proximal tibiotarsus	Fledgling chicken
Top of Feature	2	Tarsometatarsals	Adult chicken
Feature 2, south half			
Feature 2, south half	2	Cranial fragments	Adult Cow
Feature 2, south half	9	Rib fragments	Adult Cow (3 sawed)
Feature 2, south half	1	Cervical vertebra	Adult Cow
Feature 2, south half	1	Thoracic vertebra	Adult Cow, sawed
Feature 2, south half	1	Lumbar vertebra	Adult Cow
Feature 2, south half	5	Radial shafts	Mature Adult Cow (all sawed)
Feature 2, south half	2	Distal radius fragments	Young adult cow (1 sawed)
Feature 2, south half	4	Scapula fragments	Adult Cow (sawed)
Feature 2, south half	1	Carpal	Mature Adult Cow
Feature 2, south half	1	Astragalus	Mature Adult Cow
Feature 2, south half	1	Right ishium	Young Adult Pig
Feature 2, south half	2	Femoral condyles	Young Adult Pig

Appendix B: Catalog of Recovered Faunal Material

Location	#	Bone	Detail
Feature 2, south half	1	Proximal tibia shaft	Young Adult Pig (fine tooth saw marks)
Feature 2, south half	1	1st phalanx	Mature Adult Pig
Feature 2, south half	2	2 nd phalanx	Young Adult Pig
Feature 2, south half	1	Ascending ramus – mandible	Adult sheep/goat
Feature 2, south half	1	Carpal	Mature Adult sheep/goat
Feature 2, south half	2	Proximal femur fragments	Mature Adult sheep/goat
Feature 2, south half	1	Proximal femur fragments	Young Adult sheep/goat
Feature 2, south half	2	Femoral shaft fragments	Adult sheep/goat
Feature 2, south half	1	Proximal tibia shaft fragment	Adult sheep/goat, sawed (fine tooth)
Feature 2, south half	1	Rib fragment	Adult sheep/goat
Feature 2, south half	2	Cervical vertebrae fragments	Adult sheep/goat
Feature 2, south half	1	Astragalus	Mature Adult sheep
Feature 2, south half	4	Lumbar vertebrae, 3 right, 1 left	Adult sheep (cleaved)
Feature 2, south half	5	Long bone shaft fragments	Medium Terrestrial Mammal (MTM)
Feature 2, south half	2	Vertebrae fragments	MTM
Feature 2, south half	1	Left coracoid	Adult turkey (carnivore gnawed)
Feature 2, south half	1	Left proximal coracoid	Adult chicken
Feature 2, south half	1	Right distal coracoid	Adult chicken
Feature 2, south half	1	Right distal humerus	Adult chicken, female
Feature 2, south half	2	Radial shaft fragments	Adult chicken
Feature 2, south half	1	Proximal left ulna	Adult chicken
Feature 2, south half	1	Distal ulna	Adult chicken
Feature 2, south half	1	Sacrum fragment	Adult chicken
Feature 2, south half	2	Cervical vertebrae	Adult chicken
Feature 2, south half	1	Femoral shaft fragment	Adult chicken
Feature 2, south half	1	Distal femoral condyle	Adult chicken
Feature 2, south half	1	Right distal tibiotarsus fragment	Adult chicken
Feature 2, south half	1	Left tibiotarsus	Adult chicken
Feature 2, south half	1	1 st phalanx	Adult chicken
Feature 2, south half	1	Proximal fibula	Adult chicken
Feature 2, south half	1	Skull fragment	Medium fish
Feature 2, south half	2	Vertebrae	Medium fish
Feature 2, north half			
Feature 2, north half	1	Distal left radius epiphysis	Young Adult cow
Feature 2, north half	1	Costal cartilage	Adult cow
Feature 2, north half	1	Rib head	Adult cow
Feature 2, north half	1	Thoracic vertebra spine	Adult cow
Feature 2, north half	1	Cervical vertebra	Adult cow
Feature 2, north half	1	Left ishium	Adult pig
Feature 2, north half	1	Right proximal ulna	Mature Adult pig
Feature 2, north half	2	Distal femoral shaft fragments	Adult Pig
Feature 2, north half	1	Distal right femur epiphysis	Young Adult sheep/goat
Feature 2, north half	2	Right and left distal humerus fragments	Mature Adult sheep
Feature 2, north half	1	Right proximal radius	Mature Adult sheep (green fracture)

Appendix B: Catalog of Recovered Faunal Material

Location	#	Bone	Detail
Feature 2, north half	1	Right metacarpus	Mature Adult sheep
Feature 2, north half	1	Right proximal femur fragment	Mature Adult sheep (green fracture)
Feature 2, north half	1	Left mandible fragment	Mature Adult dog
Feature 2, north half	1	Right distal humerus	Mature Adult dog
Feature 2, north half	3	Long bone shaft fragments	Adult MTM
Feature 2, north half	1	Rib fragment	Adult MTM
Feature 2, north half	1	Vertebra fragment	Adult MTM
Feature 2, north half	1	Large right half	Oyster
Feature 2, north half	1	Valve	Oyster
Feature 2, north half	1	Right half	Hard Shell Clam

Feature 3

Location	#	Bone	Detail
Feature 3, east half	1	Proximal left radius fragment	Mature Adult Cow (green fracture)
Feature 3, east half	1	Proximal ulna fragment	Adult cow
Feature 3, east half	1	Rib fragment	Adult cow
Feature 3, east half	1	Distal radius fragment	Mature Adult cow
Feature 3, east half	1	Distal femoral condyle	Mature Adult cow
Feature 3, east half	1	Right ilium fragment	Mature adult sheep/goat (carnivore gnawed)
Feature 3, east half	2	Long bone shaft fragments	MTM
Feature 3, east half	1	Irregular bone fragment	MTM
Feature 3, east half	1	Right humerus	Adult chicken
Feature 3, east half	1		Unidentified bird bone shaft fragment
Feature 3, east half	1		Probable mammal bone fragment
Feature 3, west half			
Feature 3, west half	1	Right distal humerus	Mature Adult cow (sawed)
Feature 3, west half	1	Right proximal ulna	Mature Adult cow
Feature 3, west half	1	Distal radial shaft fragment	Mature Adult cow
Feature 3, west half	1	Rib fragment	Mature Adult cow
Feature 3, west half	1	Proximal femur fragment	Young Adult cow
Feature 3, west half	1	Left humerus	Young Adult pig
Feature 3, west half	1	Right proximal radius fragment	Mature Adult pig (sawed)
Feature 3, west half	1	Right femoral head epiphysis	Young adult sheep/goat
Feature 3, west half	2	Right distal femoral epiphyses	Young adult sheep/goat
Feature 3, west half	1	Left proximal tibia	Young adult sheep/goat
Feature 3, west half	1	Right proximal radius fragment	Mature adult sheep (cleaved)
Feature 3, west half	1	Rib fragments	Large Terrestrial Mammal (LTM)
Feature 3, west half	2	Long bone shaft fragments	MTM

Appendix B: Catalog of Recovered Faunal Material

Feature 5

Location	#	Bone	Detail
Feature 5, east half	1	Left distal humeral shaft	Mature Adult Cow (fine saw)
Feature 5, east half	1	Distal humeral shaft frags	Mature Adult Cow (fine saw)
Feature 5, east half	3	Scapula fragments	Mature Adult Cow (fine saw)
Feature 5, east half	1	Rib fragment	Mature Adult Cow
Feature 5, east half	1	Left ilium	Young Adult Cow
Feature 5, east half	1	Left distal humerus	Mature adult sheep/goat
Feature 5, east half	1	Right femur	Mature adult sheep/goat
Feature 5, east half	1	Left distal femur fragment	Mature adult sheep/goat
Feature 5, east half	5	Long bone shaft fragments	LTM
Feature 5, east half	1	Right ulna	Adult chicken
Feature 5, east half	2	Cervical vertebrae	Adult Chicken *
Feature 5, east half	2	Right and left distal humeri	Adult chicken *
Feature 5, east half	1	Left distal radius	Adult chicken *
Feature 5, east half	1	Carpometacarpus	Adult chicken *
Feature 5, east half	2	Vertebrae	Large fish

*- possibly from same animal

Yard Scatter

Location	#	Bone	Detail
Ash levels	1	Distal humeral shaft	Mature Adult cow, sawed
Ash levels	1	Rib	Mature Adult cow, sawed
Ash levels	1	Vertebra fragment	Mature Adult cow
Ash levels	1	Proximal femur fragment	Adult cow
Ash levels	1	Proximal femur fragment	Young Adult cow
Ash levels	1	Distal tibia fragment	Young adult pig
Ash levels	2	Femoral shaft fragments	Adult sheep/goat
Ash levels	1	Metacarpus	Mature Adult sheep/goat
Ash levels	1	Right femur	Adult chicken
Ash levels	1	Proximal tibiotarsus	Adult chicken
Above subsoil/brown	1	Distal humeral shaft fragment	Mature Adult cow, sawed
Above subsoil/brown	1	Proximal left radius	Mature Adult cow, sawed
Above subsoil/brown	2	Rib fragments	Mature adult cow, sawed
Above subsoil/brown	1	Metatarsus	Adult sheep/goat
Above subsoil/brown	1	Antler	Adult Deer **
Above subsoil/brown	1	Rib fragment	MTM
Below ash	3	Scapula fragments	Adult cow, sawed
Below ash	1	Thoracic vertebra spine	Mature Adult cow
Below ash	2	Proximal femur fragments	Mature Adult cow
Below ash	1	Distal femoral Shaft	Mature Adult cow, sawed
Below ash	1	Caudal vertebra fragment	Adult cow
Below ash	1	Distal left humerus	Mature adult sheep/goat
Below ash	1	Distal radius shaft	Mature Adult sheep/goat, sawed
Below ash	1	Rib fragment	Mature Adult, sawed
Below ash	1	Right proximal tibia fragment	Mature Adult sheep
Below ash	1	Tibiotarsus shaft fragment	Adult chicken

** Turned on a lathe - modified

136-33 37th Avenue, Flushing, Queens, New York: APPENDIX C

1850

Name		Sex	Age	Occupation	Birthplace
Barto, Henry		M	28	Mason	New York
	Elizabeth	F	22		
	Theodore	M	6		
	Eliza	F	4		
	George	M	1		
Cashin, Catherine		F	21		Ireland
Gurney, Willis		M	55	Tailor	Mass
	Ruth	F	78		Mass
	Eliza	F	48		New York
	Ruth	F	13		
	Adelia	F	5		
	Willis	M	6		
Mitchell, Wilson		M	26	Shoemaker	New York
	Ellen	F	22		
	William	M	10/12		

1860

Name		Sex	Age	Occupation	Birthplace
Barto, Henry		M	39	Mason	New York
Elizabeth		F	33		
Theodore		M	15		
Eliza		F	13		
George		M	10		
William		M	8		
	Frederic	M	6		
	Henry	M	3		
Chapman, Ida		F	55		
	John	M	24	Blacksmith	
	Johanna	F	22	Tailoress	
Bartsell, Aletta		F	33		
	William	M	12		
	Minnie	F	10		
	Lucrecia	F	70		
Gurney, Eliza		F	60		New York
	Delia	F	14		
	James	M	20	Clerk	
	Henrietta	F	18	(wife)	

1870

Name		Sex	Age	Occupation	Birthplace
Barto, Henry		M	49	Stone Mason	New York
Elizabeth		F	42	Keeps House	
Elizabeth		F	23		
George		M	21	Mason	
William		M	19		
	Frederick	M	16		
	Henry	M	13		
	Edward	M	8		
	Frank	M	3		
Gurney, Liza A.		F	71		
Roff, Edward G.		M	34		New Jersey
	H M	F	24	Keeps House	England
	Mary E.	F	5/12		New York
Perser, Jane		F	60	Washwoman	
	Sarah	F	19		
Marx, Edwin		M	30	Painter	

1880

Name		Sex	Age	Occupation	Birthplace
Barto, Henry L.		M	58	Mason & Builder	New York
Elizabeth		F	54	Keeping House	New York
William		M	28	Clerk in Store	New York
	Edward	M	18	Clerk in Store	New York
O'Neil, Charlotte		F	50	Servant	Ireland
O'Brien, Michael		M	48	Leaborer[sic]	Ireland
	Margaret	F	47	Keeping House	Ireland
Marshall, Mary		F	65	Keeping House	Mass