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FINAL

A Phase II Archaeological Investigation  
of Fort Totten, Queens County,  
New York City, New York



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ENVIRONMENTAL REVIEW

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by

Hope Leininger and Paula Bienenfeld, Ph.D.

*Submitted to:*

Planning and Environment Division  
Mobile District  
U.S. Army Corps of Engineers  
P.O. Box 2288  
Mobile, Alabama 36628-0001

*Submitted by:*

Tetra Tech, Inc.  
5203 Leesburg Pike, Suite 900  
Falls Church, Virginia 22041

June, 1999

Contract Number DACA01-96-D-0011  
Delivery Order Number 018

632



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New York City, New York



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13. ABSTRACT (Maximum 200 words) A Phase II archaeological investigation was conducted on prehistoric and historic deposits within the BRAC excess parcel at Fort Totten during November and December of 1997. Testing included probing and the excavation of shovel test pits (STPs) and larger excavation units. A total of 360 square feet were excavated as test units and 114 STPs were dug. Prehistoric material recovered is limited to six flakes and one quartz Levanna point (Late Woodland Period). The light prehistoric lithic scatter is recommended as not eligible for listing on the National Register of Historic Places (NRHP). A historic site recommended as eligible for listing on the NRHP exists within the BRAC excess parcel. It comprises an artifact scatter and historic features, located in the central portion of the Fort--the Parade Ground and the open area immediately to its east (Sections A and B). The deposits retain integrity as described in 36 CFR 60; are associated with the Acquisition to Reconstruction (1857 to 1885) and Endicott-Taft (1885 to 1914) Periods of occupation of the tract; and have demonstrated the capacity to yield otherwise unobtainable information important to history on an important 19th-century military installation. Features include both structural remains and trash pits. Historic Period (military, 1870s-1930s) deposits were also evaluated in the open area around the Post Chapel (Section C). These features lack integrity and/or have not demonstrated the capacity to yield information important to history. As such these deposits are recommended as ineligible for listing on the NRHP.			
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## MANAGEMENT SUMMARY

In the winter of 1997, a Phase II archaeological investigation was conducted for the BRAC excess parcel at Fort Totten, Queens County, New York City, New York. The excess parcel is approximately 54 hectares (135 acres) in size. This parcel includes most of the land north and east of Totten and Murray Avenues excluding the U.S. Coast Guard property on the northwestern portion of the Fort, and Buildings 319 and 330. A small strip of land south of Duane Road is also being excessed. The Phase II work concentrated on the areas where prehistoric artifacts and historic features had been identified during the Phase IA/B excavations (Bienenfeld and Leininger 1998), and included: prehistoric finds in Sections A and B and historic Features A1 through A5, B1 through B5, and C1 and C2.

Phase II excavations included probes, shovel test pits (STPs), trenches, and larger excavation units. Excavation units totaled 32.4 square meters (360 square feet) and 114 STPs were excavated. These Phase II excavations yielded 7,120 artifacts. All but seven of these artifacts date to the historic or modern periods. No human remains were encountered during the Phase I or Phase II investigations.

Prehistoric material recovered during the Phase II evaluation was limited to seven lithic items—six flakes and a quartz projectile point. No pattern is apparent in the distribution of these items. No pottery or fire-cracked rock was recovered during the Phase II work. No prehistoric features were identified. This light scatter of prehistoric material is recommended as ineligible for listing on the National Register of Historic Places (NRHP).

Historic deposits examined in Section A appear to date from 1866 to 1885 (Reconstruction Period) and include two intact structural remnants (possible barracks, Features A1 and A2), and what seems to be an associated trash pit (Feature A4). Feature A3 is a localized area of soil displacement likely associated with the construction or demolition of Features A1 and A2. Feature A5 is a possible post hole.

Historic deposits examined in Section B potentially date from the 1860s to 1910 (Acquisition to Reconstruction Period through the Endicott-Taft Period) and include the possible remains of the post sutler or storehouse (Feature B1), two intact foundation remnants (likely officer's quarters, Features B2 and B3), and an associated trash pit (Feature B4). Feature B5 is a cement beam.

Historic deposits examined in Section C appear to be associated with the first Post Chapel, potentially dating from the 1870s through the 1930s (Feature C1) and a Fire Control Station dating from the early 1900s through the 1930s (Feature C2).

As such, it is recommended that a site, eligible for listing on the NRHP under criteria A and D (36 CFR 60), exists within the BRAC excess parcel at Fort Totten. Components of the site are located in the Parade Ground and the open area to its east. These deposits retain integrity; are associated with the Acquisition to Reconstruction and Endicott-Taft Periods of occupation; and have demonstrated the capacity to yield information on life



in a late 19th-century military installation. Deposits in Section C are not recommended as eligible for the NRHP as they lack integrity and limited artifact recovery suggests that these deposits are not likely to yield information important to history.

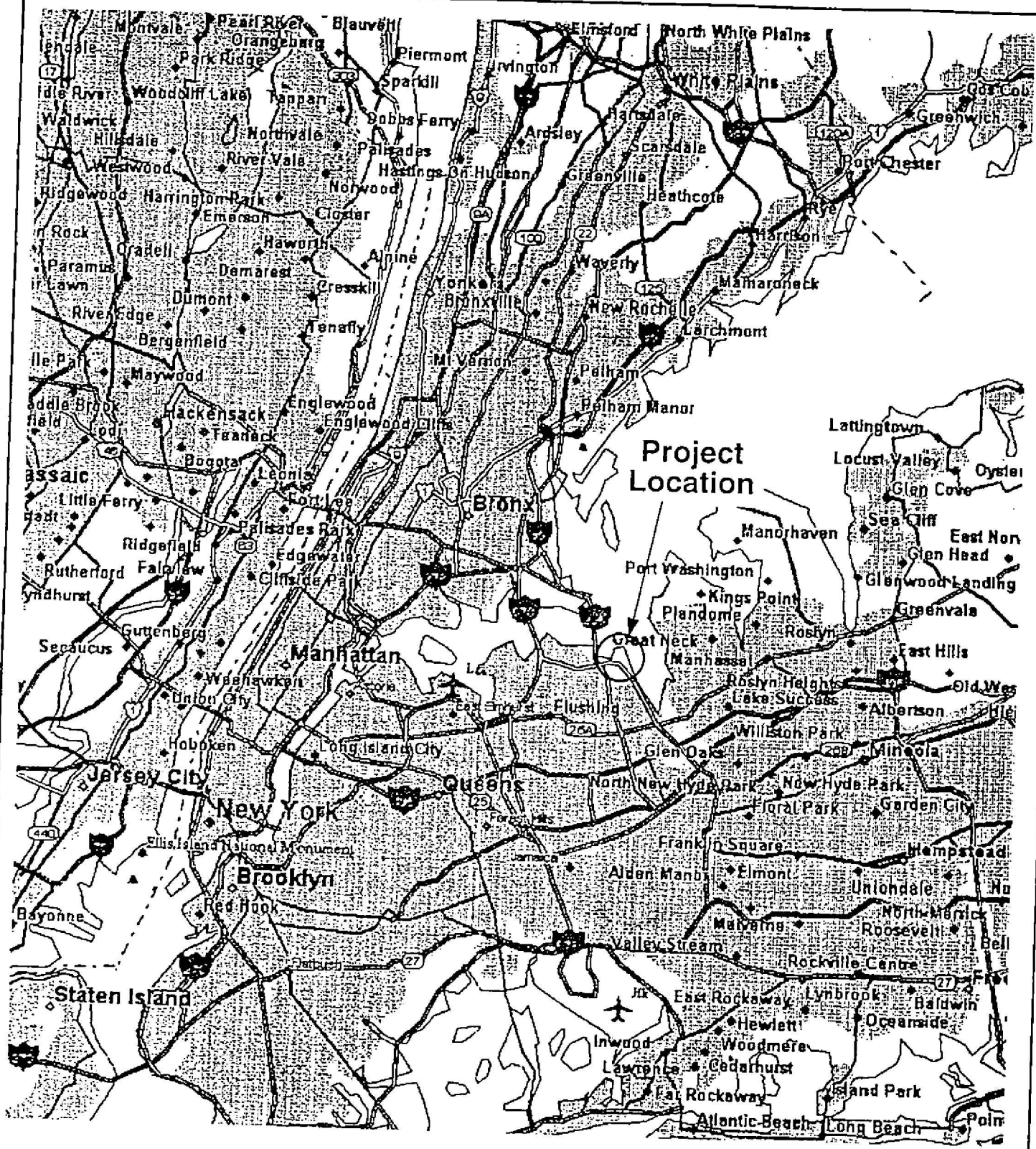
This report presents results of a Phase II archaeological investigation of those portions of Fort Totten that are to be excessed as part of the Base Realignment and Closure Action (BRAC). The project was sponsored by the U.S. Army Corps of Engineers (COE), Mobile District, and U.S. Army Military District of Washington. The COE Point of Contact is Dr. Neil Robison, Mobile District Archaeologist. Tetra Tech, Inc. was contracted to conduct this survey in November of 1997 (Contract No. DACA01-96-D-011) to complete work necessary under Section 106 of the *National Historic Preservation Act* (NHPA) and the *National Environmental Policy Act* (NEPA).

Fort Totten occupies a 76.9-hectare (ha) (190-acre) tract of land in northeast Queens County, a borough of New York City located at the southern end of Long Island (Figure 1). The Fort is situated on a ridge that forms a peninsula that juts into Long Island Sound. Fort Totten is bordered to the north, west, and south by water. The entrance is located on the eastern portion of the facility near a densely populated residential community (Figure 2).

Approximately 54 ha (135 acres) of the reservation were declared excess following the BRAC Commission recommendations. The BRAC parcel at Fort Totten includes all of the land south of Weaver Avenue and east of Murray Avenue except for the buildings and land immediately surrounding Buildings 330 and 319; a strip of land west of Duane Avenue near the Fort's main entrance, which includes Buildings 102 through 113; all of the land surrounding Building 203 on the south side of Totten Avenue and Willets Street; and the land north of Totten and Weaver Avenues, except for property belonging to the U.S. Coast Guard (Figure 3). The investigation and report conform to the guidelines presented in "Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State" (The New York Archaeological Council 1994).

The research staff included Dr. Paula Bienenfeld, who served as Project Manager and Principal Investigator; Hope Leininger, Field Director; Jason Fenton, Matthew Mattia, Katherine Randolph, and J. Andrew Ross, Field Assistants; and David Shonyo, Laboratory Archaeologist.

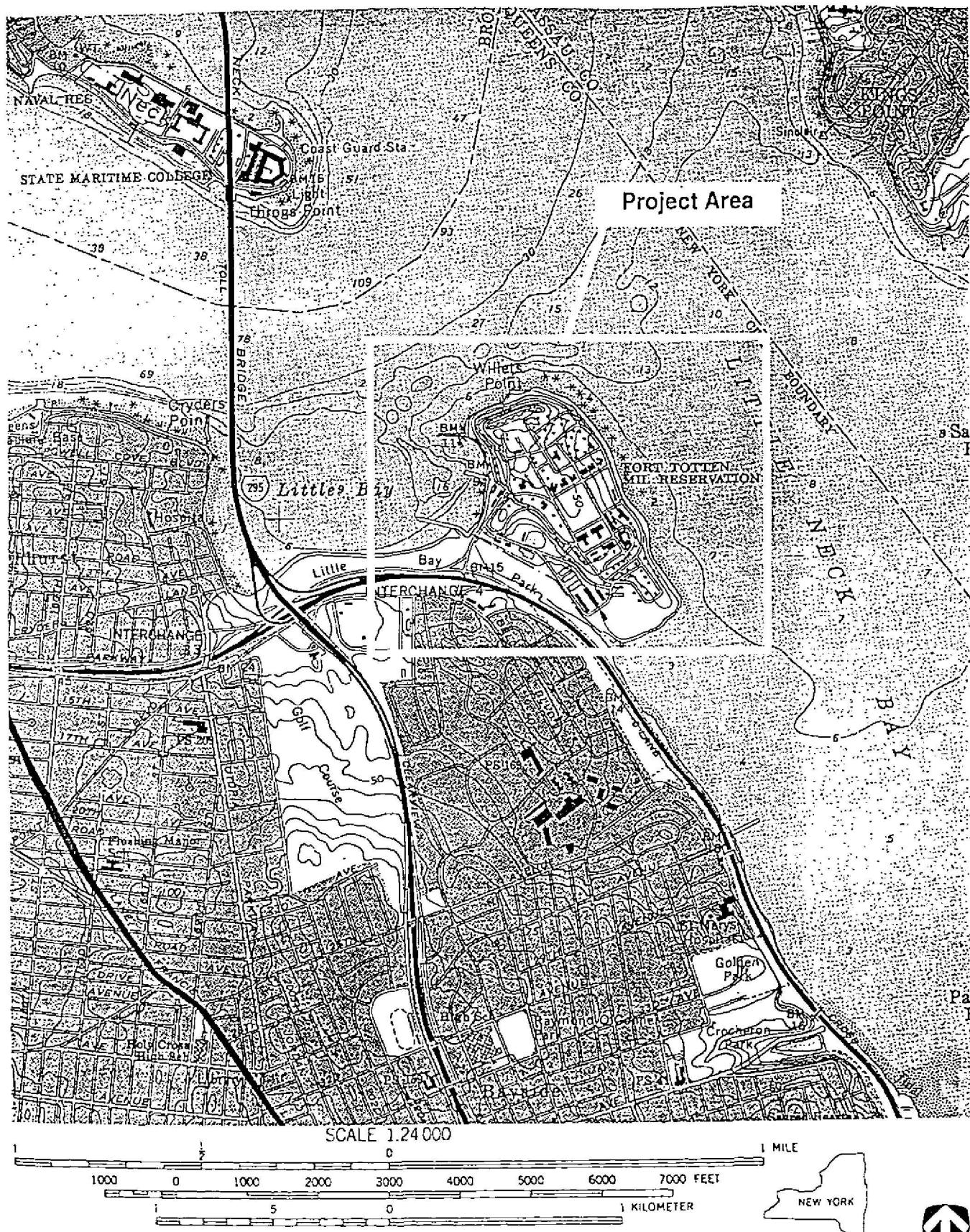
Background research was conducted from December, 1997 through February, 1998. Field investigations took place from November 14, 1997 through December 23, 1997. Jack Fein, the Fort's Historian, kindly provided a wealth of background information. Peter Koutrobis, Fort Totten BRAC Environmental Coordinator, was of great help during our fieldwork and answered our many questions. The report, field data and artifacts, and other important project materials will be curated at Fort Hamilton Military Community, 129 Wainwright Drive, Brooklyn, New York. Photographic documentation (features and selected artifacts) is on file at the New York State Historic Preservation Office, Peebles Island, New York. Site numbers assigned to the sites by the New York State Office of Parks, Recreation and Historic Preservation are A08101.000141 for the historic site, and A08101.007357 for the prehistoric site.



Note: Not to scale.

Figure 1. Regional Map showing Project Area.





Source: U.S.G.S. 1966, revised 1979.

Figure 2. Project Location.

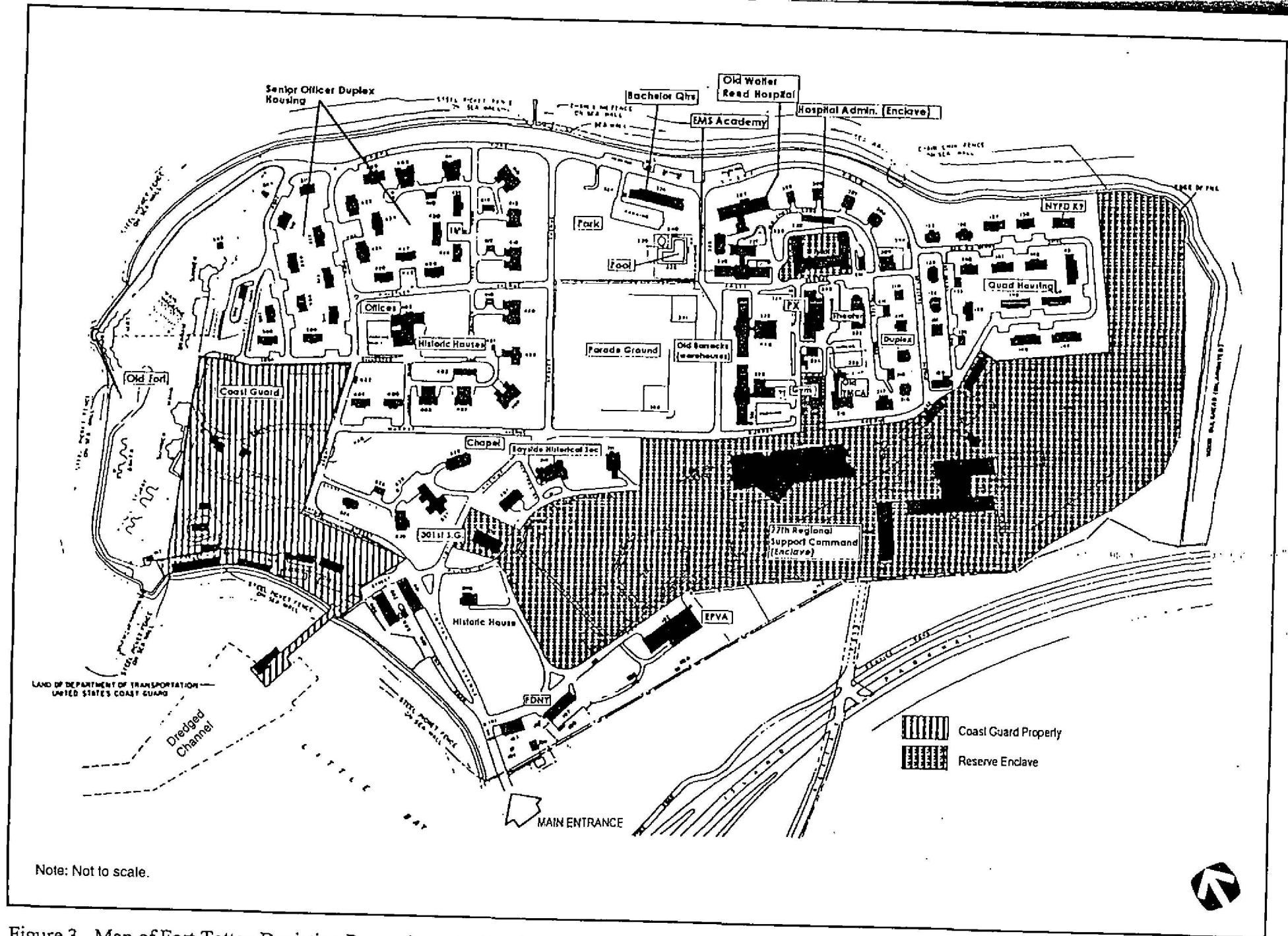


Figure 3. Map of Fort Totten Depicting Properties to be Retained by the Coast Guard and U.S. Army Reserves.

A variety of environmental and physical conditions affect a location's potential for containing archaeological resources. Areas with a high probability for containing prehistoric sites would be locations that are either very close to fresh water; rich in plant and animal life; well-drained and suitable for habitation; or rich in lithic resources required for tool production. Historic sites are also likely to occur in areas containing good natural resources such as fresh water, and well-drained land suitable for farming, timber, and game. In addition, good preservation conditions must exist within the area. For example, areas subject to soil deposition are more likely to contain intact archaeological deposits than those subject to erosion. Furthermore, historic and modern ground-disturbing activities must remain at a minimum for the preservation of resources.

Few archaeological investigations have been conducted in the vicinity of Fort Totten. Records on file at the New York State Museum and the New York State Office of Parks, Recreation and Historic Preservation indicate that no prehistoric archaeological sites have been identified within a 1.6-kilometer (km) (one-mile) radius of the project area, but that shell middens, sometimes associated with evidence for long-term site occupation, have been identified nearby in similar geographic settings. Historic period sites identified within a 1.6-km (one-mile) radius of the project area are limited to one Civil War Period earthwork, which is located on the U.S. Coast Guard's portion of the peninsula containing Fort Totten. Environmental factors affecting the potential for archaeological resources within the project area are discussed below.

## 2.1

## PHYSIOGRAPHY AND SOILS

The project area is located in northern Queens County on the northwestern edge of Long Island. It occupies a ridge that creates a peninsula into Long Island Sound. The Fort Totten ridge is surrounded on three sides by water—Little Neck Bay and Little Bay are located to the north and west, and Long Island Sound is to the east. There are no naturally occurring surface water bodies on Fort Totten. The land joining Fort Totten to Long Island was originally a marsh or mud flat that has been filled. Long Island is considered to be part of the Atlantic Coastal Plain physiographic region, the flat low-lying area that stretches from north to south along the eastern portion of the Mid-Atlantic Region. The northern portions of Long Island, where Fort Totten is located, are covered by terminal moraine deposits. These deposits are associated with the Wisconsin glacial retreat, which created a hilly or rolling and irregular topography. Ground elevations range from sea level to 21.34 meters (m) (70 feet [ft]) above sea level.

The exposed Upper Pleistocene glacial deposits at Fort Totten extend to a depth of approximately 10 m to 45 m (30 ft to 150 ft) below surface. Land at Fort Totten is not characterized by substantial post-glacial fluvial soil deposition. Because glaciers act, in a sense, like giant bulldozers, the actual stratigraphy of the project area varies enormously. Silty and sandy soils were found within 30 m (100 ft) of each other. Frequently, a layer of glacially deposited cobbles and angular rocks was present at the interface between the surface level and the subsoil. In addition, most of the soils encountered within the test areas were very compact. In some areas, the soils resemble the Montauk silt loams



present elsewhere on Long Island (Figure 4). The Montauk soil profile consists of a surface layer of dark grayish brown silt loam, underlain by a yellowish brown silt loam. The subsoil becomes more brown and sandy with depth. Riverhead-Plymouth soils are also present at Fort Totten. The Riverhead-Plymouth profile consists of a surface level of brown sandy loam underlain by a strong brown or yellowish brown sandy loam subsoil. The northern shorelines are generally narrow and characterized by gravel, cobbles, and shell fragments. The beaches are inundated by saltwater twice a day during high tide (Wulforst 1987).

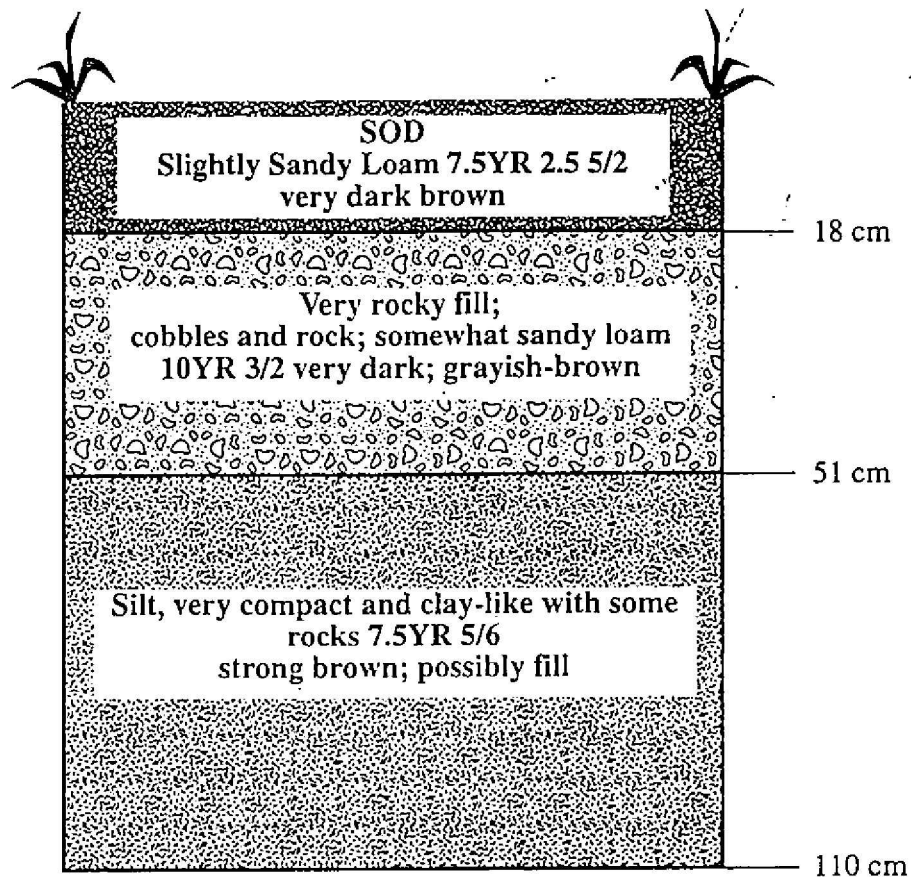
The vast majority of the natural land at Fort Totten has been disturbed, first by clearing and plowing during the 17th, 18th, and 19th centuries, and then by military activity following U.S. Government acquisition of the property in the mid-1800s. In addition, some areas of the Fort contain substantial fill deposits (Louis Berger and Associates 1986). The reserve enclave and an excess housing area (located just to the south and west of the excess parcel) sit almost entirely on manmade land.

## 2.2 CLIMATE

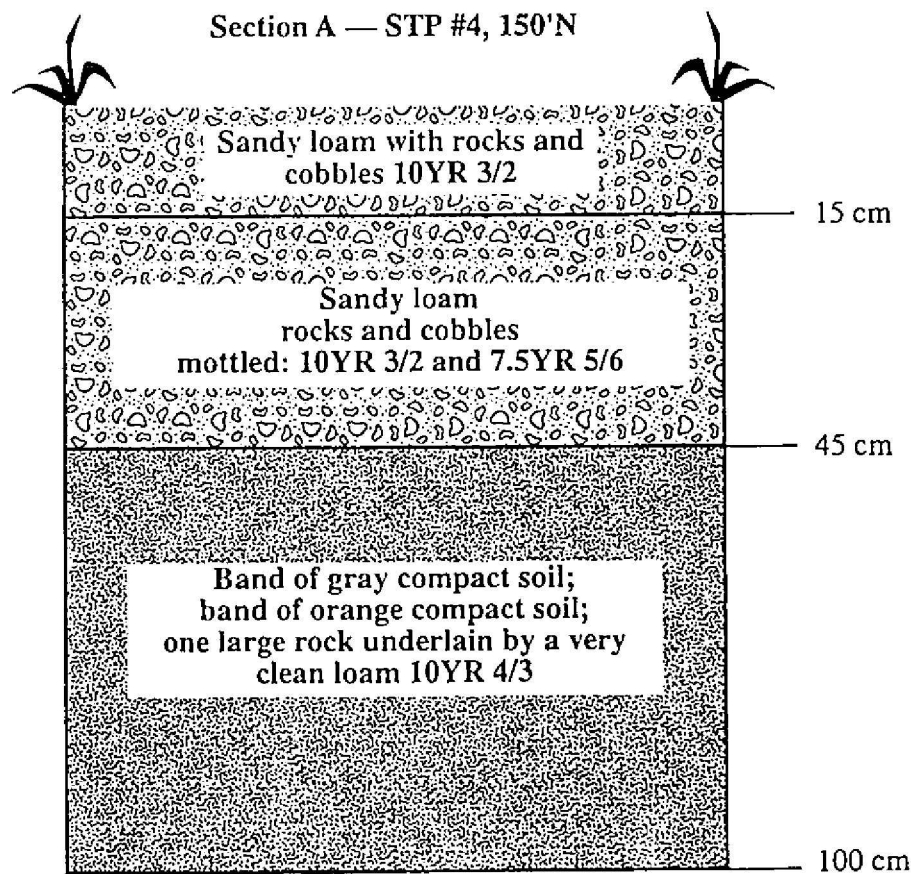
The climate of Long Island is influenced both by its proximity to the Atlantic Ocean and to Long Island Sound. The winter months are cold and snowy. January is generally the coldest month with an average temperature of 32 degrees Fahrenheit (°F). Summers are usually hot and humid, typical of the Atlantic coast. The average temperature in the month of July is 83 °F. Spring and fall are generally mild. Regional precipitation averages around 106.68 centimeters (cm) (42 inches [in]) a year. Fort Totten is bounded on three sides by water that moderates temperatures and increases winds (Woodward-Clyde Federal Services 1996).

## 2.3 FLORA AND FAUNA

Prior to development and clearing, the central and interior portions of the project area were most likely covered by a variety of trees—hardwoods such as oak, beech, and maple, mixed with some pine species. The eastern portion of the installation, where the ridge or peninsula attaches to Long Island, was most likely a marsh or mud flat. The varied conditions promoted a diverse ecological situation at Fort Totten, including a wide variety of woodland and wetland plant life. Fauna would have included numerous species of brackish and saltwater aquatic life; diverse and plentiful waterfowl; and typical woodland mammals. The East River, located to the north of the project area, may have had a salinity level low enough to support a variety of freshwater species as well.



Section A — STP #4, 150'N



Section B — STP #3, 100'S (baseline)

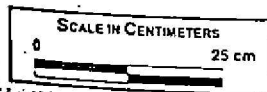


Figure 4. Sample Shovel Test Pit Soil Profiles.

## 2.4

### RECENT HUMAN AND NATURAL DISTURBANCE

Since the U.S. Army acquired the property in the mid-1800s, there has been extensive land disturbance. As depicted in Figure 3, numerous buildings and defensive structures are located throughout the project area. In addition to construction activities, military training exercises during the mid- to late-19th century and the first half of the 20th century probably resulted in extensive soil displacement. These exercises included instruction in foxhole and trench excavation, and the construction of earthen fortifications.

Very recent land disturbance within the project area at Fort Totten is minimal. Many of the 121 buildings within the project area have been vacant for sometime. Some outside entities have, however, leased some of the facilities including the Fire Department of New York, the Eastern Paralyzed Veterans Association, the Bayside Historical Society, and the New York City Police Department Robotics Squad. None of these groups are engaged in ground disturbing activities within the Fort.

Natural disturbance is also limited within the project area. The coastlines of the peninsula have been drastically altered and reinforced to maximize land area. Most of the land is paved or grass-covered, preventing extensive erosion.

## 3.0 BACKGROUND RESEARCH AND SENSITIVITY ASSESSMENT

### 3.1 PREHISTORIC OVERVIEW

#### 3.1.1 The Paleo-Indian Period (ca. 10,000 B.C. to ca. 8,000 B.C.)

Paleo-Indians, the first inhabitants of New York State, arrived in the region approximately 10,000 to 12,000 years ago. These people were nomadic hunters and gatherers who traveled in small groups. Paleo-Indian people maintained low population densities, and their settlements were small and temporary. For food, they gathered fruit and nuts and relied heavily on large Pleistocene herbivores such as mastodon, mammoth, and caribou. Most of the archaeological evidence for these people is in the form of stone tools. The spears that they used for hunting are identified by a manufacturing technique called fluting, where one large flake is driven off the spearpoint longitudinally. Other tools used by Paleo-Indian people include graters, awls, scrapers, and knives. Many tools dating to the Paleo-Indian Period are unifacially worked.

#### 3.1.2 The Archaic Period (ca. 8,000 B.C. to ca. 1,000 B.C.)

During the Archaic Period, substantial ecological changes occurred across the North American continent. The cold, dry, climate of the Pleistocene, with its associated flora and fauna, gave way to the warmer, wetter, Holocene Period. Wetland areas increased,

sea levels rose, coniferous forests were replaced by deciduous forests, and the fauna changed accordingly. Bear, moose, white-tailed deer, and other mammals replaced the megafauna of the Pleistocene Period. Wetlands species diversified and multiplied. Changes were underway in the subsistence strategies and settlement patterns of Native Americans during this period as well.

The people of the Archaic Period continued to live highly mobile lives although a trend toward increased sedentism emerged during this period. Groups of people moved from place to place to take advantage of seasonal food surpluses. The preferred location for their campsites was near rivers and lakes with access to fresh water, waterfowl, fish, and game animals. Evidence of shellfish exploitation appears at Archaic Period sites in the form of shell middens along coastal areas. Other types of sites include stone quarries and stone tool-making workshops. Archaic Period sites are identified by the presence of notched and bifurcate tools, especially projectile points. Other artifacts found in association with Archaic Period sites include groundstone tools used for nut and seed processing (mortars and pestles, for example); adzes and axes reflecting an increased manipulation of the forest environment; and netsinkers and fishweirs. Bifacially worked tools replaced the unifaces of the Paleo-Indian Period, and food storage pits and carved stone containers appeared in the later portion of the Archaic Period as evidence of longer-term food storage.

### **3.1.3 The Woodland Period (ca. 1,000 B.C. to ca. A.D. 1524)**

The trend toward sedentism increased in the Woodland Period and it is during this time that the first evidence for long-term site occupation appears. The archaeological record also indicates an increased reliance on shellfish and other estuarine resources. Most Woodland village sites on Long Island are situated on tidal streams and bays. During the Woodland Period Native Americans began to rely increasingly on domesticated plants. However, little evidence of agriculture has been discovered in coastal New York, possibly because the environment naturally produced an abundance of food. Bows and arrows were used for hunting. Shell, bone, wood, and antlers were fashioned for use as tools. The Woodland Period is also characterized archaeologically by the presence of small triangular projectile points and the appearance of true ceramic pottery.

### **3.1.4 Contact Period (ca. 1524 to ca. 1700)**

Giovanni da Verazzano explored the New York Bay in 1524 and Henry Hudson followed with the exploration of the Hudson Bay in 1609. At this time, Long Island was occupied by the Munsee-speaking Canarsee and Rockaway Indians, members of the Delaware culture group. The Delaware, in turn, are part of the larger Algonquin group, which occupied much of the Hudson Valley and current-day Manhattan. At this time the Native Americans were living in the fashion described for the Woodland Period. They subsisted on a combination of cultivated plants (predominantly corn); game animals such as deer, rabbit, and waterfowl; and fish and shellfish. Both larger villages and smaller, temporary hunting or fishing camps existed at this time.



In the face of expanding European contact, trade, and settlement, Native American villages grew in size and became more permanent. People increasingly relied upon domesticated plants for food. Trade was common between ethnic groups, and Indians traded shell beads, wampum, and land in exchange for European items such as axes and guns. By the late 17th century, the Native American population on Long Island had been decimated by the combined effects of land trades, warfare, and disease.

### 3.2 HISTORIC OVERVIEW

#### 3.2.1 Settlement to Government Acquisition (1639 to 1857)

The land on which Fort Totten is located was taken by the Dutch from the Matinecoc Indians (a subset of the Canarsee Indians) in 1639. The first long-term European settler on the tract was an Englishman named William Thorne who obtained the land through a patent from William Kieft, the Governor General of the New Netherlands. Thorne farmed the property, and his farmstead became known as "one of the most valuable and handsome" in the area (Timelines, Inc. 1989a). The property became known as Thorne's Point and Thorne's Neck and was held by Thorne and his male heirs until the late 1700s. In 1788, Ann Thorne, the last remaining family heir, married William Wilkins. Together, they held the land, which came to be known as Wilkins Point and Wilkins Neck Point, for 40 years. In 1829, Thomas Willet purchased Wilkins Point and changed the name of the farm to Willets Point. In addition, a commercial venture was started on the tract sometime around 1830 when Jonathan Peck built a steamboat dock for the residents of Flushing and other adjacent neighborhoods. The Willet family eventually sold 44.51 ha (110 acres) of land on the Point to George Irving, a land speculator who then resold the tract to the Federal government for \$200,000. An additional 10.52 ha (26 acres) of land on the Point were purchased by the government in 1863 (Timelines, Inc. 1989b).

The Thorne family held the land from the mid-1600s through the first quarter of the 19th century. The parcel was fairly large (61.5 ha [152 acres]) when transferred to William Wilkins and reportedly farmed. Based on the duration of ownership and the size of the parcel it is likely that some structures existed on the Point at the time. Possibilities include a farmhouse or dwelling for the Thorne family; dependencies such as barns, corn cribs, a kitchen, and privy; and perhaps slave, servant, or tenant quarters. Based on government records, an old farmhouse that had been converted for use as a tavern stood on the 10.4-ha (26-acre) parcel acquired in 1863. This building was razed prior to 1890 and may have been the Thorne house.

Charles Willets established a nursery on the land, which his family and tenant farmers worked. The tradition of planting nurseries was begun in New York by French Huguenots, who arrived in the American Colonies during the 1680s, seeking religious freedom after the Edict of Nantes was revoked. The earliest nursery recorded was started by William Prince, in nearby Flushing. What came to be called Prince's Linnean Botanic Gardens is the first recorded nursery in the country (CITY/SCAPE: Cultural Resource Consultants 1993). Other successful nurseries existed in Flushing during the 19th century, growing fruit, nut, and shade trees (Historical Perspectives, Inc. 1992).

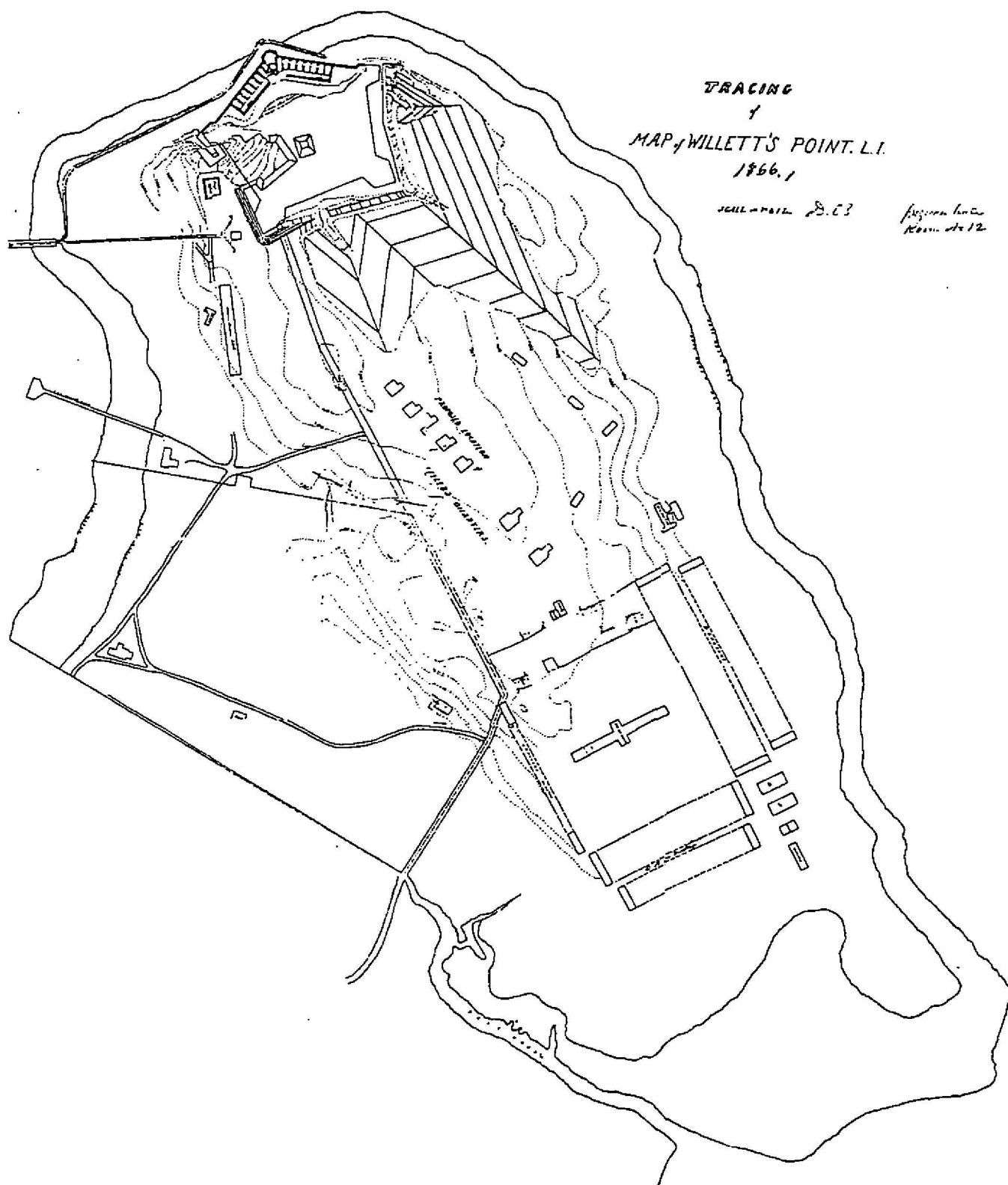
Willets reportedly built a large villa or estate on the tract, which may have been his year round or summer home. Historic documents suggest that when the U.S. Government acquired the original 44.5-ha (110-acre) parcel that is now Fort Totten, extant structures included a large double or duplex-style house facing the river. This was probably the Willets estate. The building was used as an engineer's office, while the stone fort, still standing, was under construction. The home (now Building 211) has, however, been moved from its original location to Murray Avenue. Beginning in 1867 it was used as the Commanding Officer's quarters (Trieschmann and Gettings 1998).

### 3.2.2 Acquisition to Reconstruction (1857 to 1885)

The land on which Fort Totten is located had been of military interest since the early 1800s, which eventually led to its purchase in 1857. Fortifying Willets Point was part of a program, developed by military and civil engineers, known as the Third System of Coastal Defense. This program was the first of its kind, broad-ranging, innovative, and an attempt to standardize military construction projects. A key figure in the development of the Third System was General Joseph G. Totten, a Chief Engineer of the U.S. Army, for whom Fort Totten was renamed. Because the Third System was an expensive and challenging endeavor, construction did not begin immediately after government purchase. Instead, Camp Morgan, a training post for Union recruits, was established on the Point in 1861. Here regiments from points north trained and waited to be sent off to war (Gaines 1996). These men probably lived in temporary camps on the southern portion of the Point until permanent structures could be built.

A perceived Confederate threat to New York Harbor through Long Island Sound led to funding for the construction of defensive structures on Willets Point in the spring of 1863. The primary focus of construction was a stone battery on the Point's northern shore. Originally planned to be a pentagonal four-tiered stone battery, technological advances during the Civil War rendered the fortification style obsolete by 1864 (Figure 5). Construction of the two seaward walls, two tiers in height, were complete by this time and are still standing today.

The primary activity on the Point between 1861 and 1864 was the construction of defensive structures. The battery was constructed of massive granite blocks. Based on plans, the foundation extends 3.65 m (12 ft) below sea level. The walls are 2.44 m (8 ft) thick and the fort is approximately 80 m (260 ft) long. Completed forts of similar construction can be found at Fort Sumter and Fort Delaware. In preparation for construction, substantial portions of the northern part of Willets Point were removed or excavated to create a level work surface (Gaines 1996). A cofferdam was placed in front of the work site to hold back the surrounding water. This massive effort required various support structures, including a 140-m (460-ft) dock and structures for loading and unloading vessels; rail lines, which were laid in the north to move materials and equipment; storage sheds, stables, temporary housing for labor; and administrative offices. Money was eventually appropriated for the construction of permanent barracks capable of housing 3,000 men.



Unknown Source.  
Note: Not to scale.



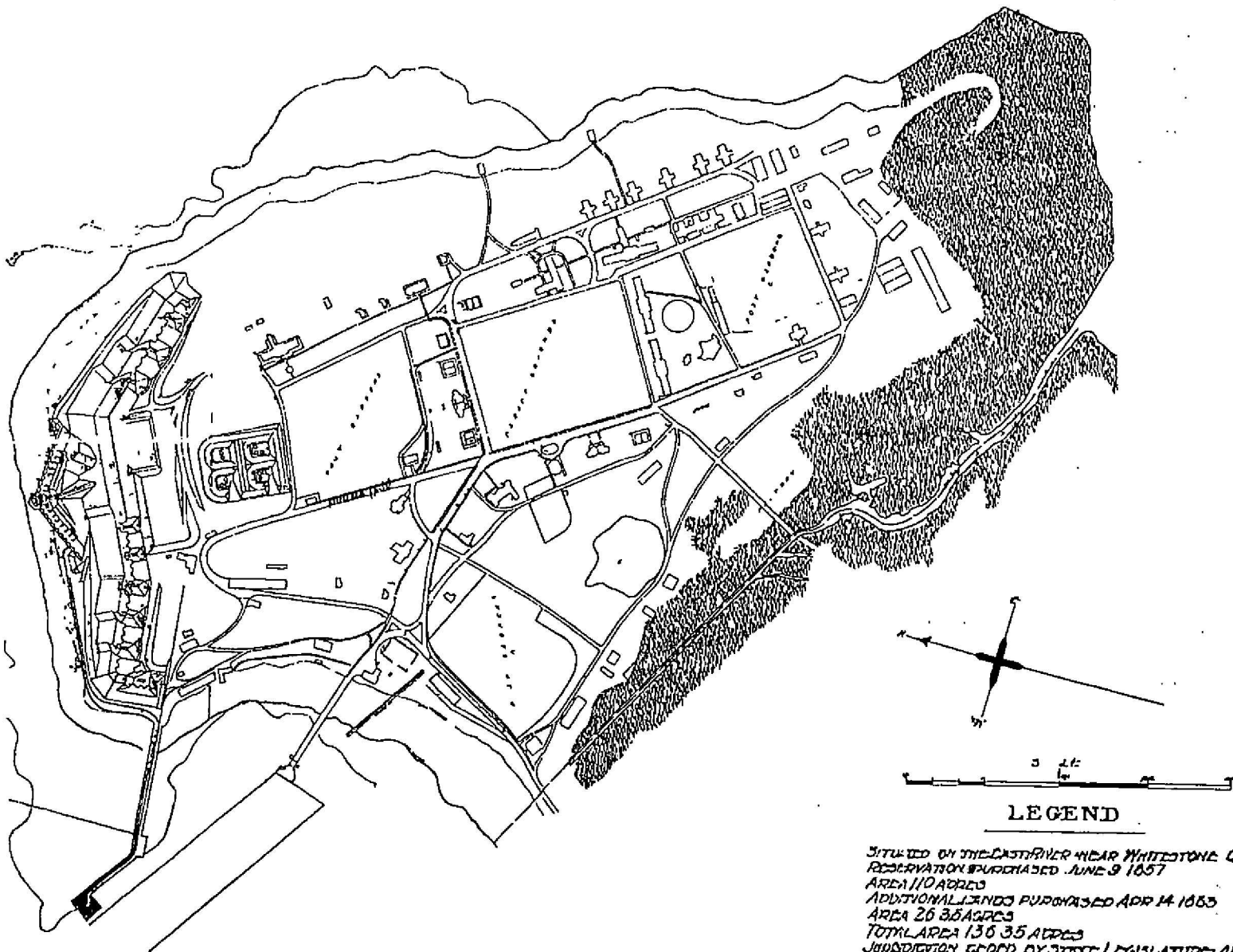
Figure 5. 1866 Map of Fort Totten Showing the Proposed Pentagonal Fortification.

Project plans for the stone fortification were scaled back during the war, and in 1867 work on the Fort was terminated. The plan modification and later abandonment of the project were due to the reallocation of funds associated with the Civil War and to the obsolescence of the battery in the wake of technological advances. When this project stopped, the Fort's mission changed.

In 1864, the Fort at Willets Point became home to the Grant General Hospital. The hospital had the capacity to treat 1,500 soldiers housed in 37 wards. Although some form of the hospital endured for about four years, the first year was the busiest and over 5,000 casualties were treated. A new wharf was constructed on the west side of the peninsula, south of the original dock, to handle incoming wounded. The hospital was located around the parade grounds at the approximate center of the Point. Dr. Walter Reed, later recognized for his discoveries involving the prevention of yellow fever, was associated with this hospital. It is likely that some of the money appropriated for barracks supported the hospital—finished buildings may have been converted for use as wards and some task-specific facilities may have been constructed. Buildings probably included living quarters for the staff, a commissary, storage space, mess halls, and kitchens.

Throughout the 1860s, numerous engineers were posted at the Fort. By 1865 three of the U.S. Army's four engineering companies were located at Willets Point. In 1868, these engineers founded the Essayons Club, a scientific organization that became, in 1885, the Engineering School of Application. The school provided graduate education to West Point graduates. Scholarly and innovative, the engineers posted at Willets Point experimented with and studied a variety of subjects. Engineers at the Post pioneered technological advances, and noteworthy experimentation was conducted in photography, illumination, astronomy, surveying, bridge construction, mines, rockets, and torpedoes. Some of the buildings associated with the early U.S. Army Corps of Engineers at Willets Point include photographic laboratories, an astronomical observatory, a "model house" (where engineering ideas were transformed into scale models), and a torpedo laboratory. Some of these buildings are depicted on military maps dating to 1875, 1879, and 1890 (Figures 6, 7, and 8).

Additionally, some consideration was given to the fortification of the Point. Between 1868 and 1873 a very large (two-part) storage magazine was constructed behind the eastern portion of the stone fort. Construction of earthen batteries and a tunnel were also initiated on the bank behind the stone fort between 1870 and 1874, a very substantial mortar battery was constructed about 244 m (800 ft) behind the stone battery, and ordnance, artillery, and ammunition systems were modernized (Gaines 1996). In sum, a variety of defensive projects were started in the first 30 to 40 years of the Fort. Many of these projects were abandoned, incomplete.



#### LEGEND

SITUATED ON THE CASTLE RIVER NEAR WHITESTONE QUEENS CO  
 RESERVATION PURCHASED JUNE 9 1857  
 AREA 110 ACRES  
 ADDITIONAL LANDS PURCHASED APR 14 1858  
 AREA 26 30 ACRES  
 TOTAL AREA 136 35 ACRES  
 JURISDICTION CEDED BY STATE LEGISLATURE APR 15 1855  
 AND APR 17 1875  
 POST ESTABLISHED (FORTIFICATIONS BEGUN) 1862  
 LATITUDE 40 27  
 LONGITUDE 100 32

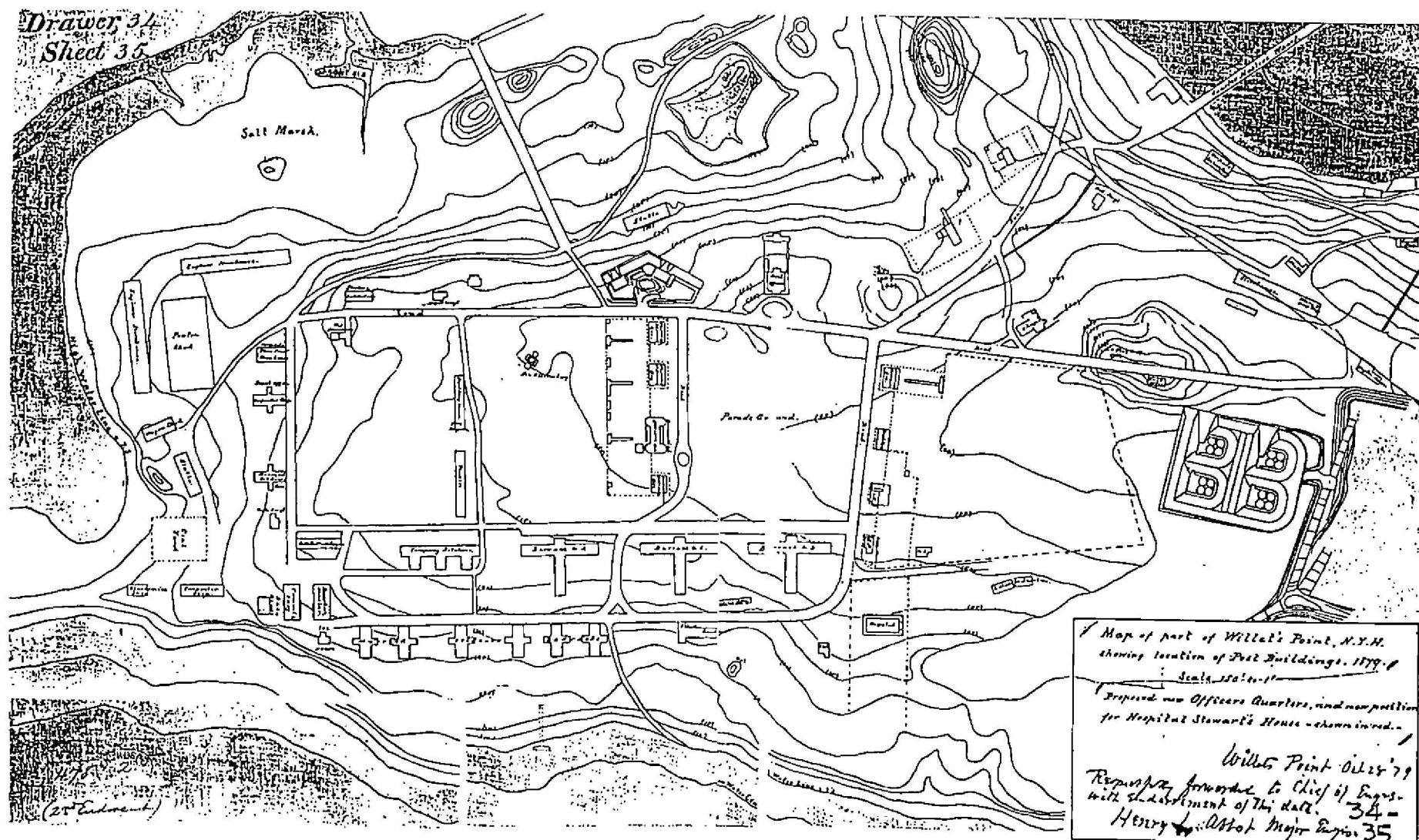
Source: U.S. Army Corps of Engineers, St. Louis District 1996.  
 Note: Not to scale.

Figure 6. 1875 Map of Fort Totten.



Figure 6. 1875 Map of Fort Totten.

3410



Source: U.S. Army 1879.  
Note: Not to scale.



Figure 7. 1879 Map of Fort Totten.

3410

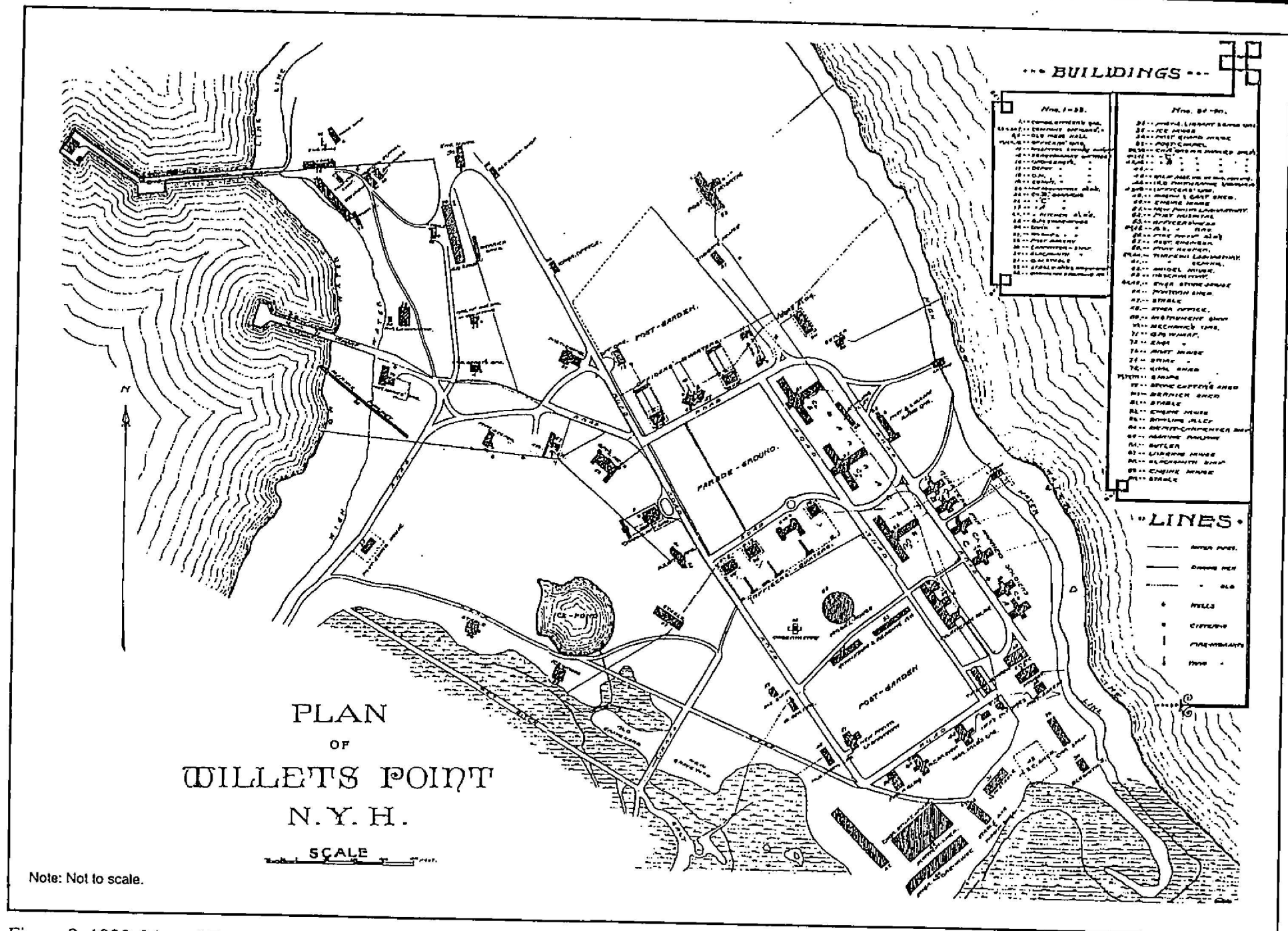


Figure 8. 1890 Map of Fort Totten.



Historic maps and other documentation indicate that a wide variety of activities took place within the project area beyond the defensive, health, and engineering missions. Many facilities were constructed, particularly in the southern portion of the Fort. Permanent long-term housing developed for troops. Some two-story wood frame homes were built for the officers. These buildings may have had kitchens. They probably did not have running water or bathrooms. The barracks for the enlisted men, which were fairly large one-story buildings with basements, reportedly had bathrooms. Post gardens provided vegetables for the companies at the Fort. A separate garden reportedly existed for the hospital patients. In addition, chickens and cows were kept. Services included carpentry, tailoring, and shoemaking (Fort Totten n.d.). Maps depict bake shops, kitchens, and mess halls. Leisure time was likely spent at the gymnasium, bowling alley, and reading rooms. The self-contained nature of the Fort is further evidenced by the presence of wood and tin shops, a sutler, and a church. There was a fire department and there may have been a school for the children of the married personnel. Ninety buildings and two graveyards (marked "Old Graveyard" and "New Graveyard") are depicted on the 1890 map. The map depicts the graveyards as flanking the access road to the southeast of Building 118. These cemeteries appear to have been located in either what is now the Reserve Enclave or just outside of the Fort's current boundaries. The cemeteries are not depicted on any maps post dating 1904 and as such, it seems likely that they were removed or relocated in the early part of the 20th century.

### 3.2.2 The Endicott-Taft Period (1885 to 1914)

Sweeping changes occurred in the late 19th and early 20th centuries at the Fort at Willets Point. A renewed national interest in coastal defense emerged during the presidency of Grover Cleveland. In 1885 he appointed a commission with the purpose of developing a new system for coastal defense. The Endicott Board, as the commission came to be known, identified the Fort at Willets Point as a target for defensive improvements. In 1891 money was appropriated for the construction of modern batteries on the north part of Willets Point.

The new batteries were constructed in the location of the 1870s earthen ones and were physically complete by 1901. The original mortar battery was updated with modern technology as well and became what is referred to as Battery King. A bomb-proof mine operating room/casemate was constructed on the northwestern portion of the Point to control mine fields in the nearby waters in 1898 and 1899 (Gaines 1996). Numerous buildings associated with torpedoes were constructed in the northwestern portion of the Point. Additional improvements include the installation of searchlights and electricity between the years 1905 and 1914 and advancements in precision methods of fire control for greater accuracy of artillery (Trieschmann and Gettings 1998). It was during this period, in 1898, that the Fort was renamed in honor of General Joseph G. Totten.

Physical changes took place in other portions of the Fort during the Endicott-Taft Period. Most of the frame structures around the parade grounds were razed in the early part of the 1900s, while others were improved. Roadway and facility construction filled most of the open space. Some of the existing roads were probably realigned, as was the

configuration of the parade ground (Timelines, Inc. 1989b). Several 19th-century maps depict the parade ground with a north-to-south alignment whereas the later maps show the orientation as running east-to-west. The Endicott-Taft Period saw the construction of approximately 80 permanent structures. Military maps dating to 1904, 1910, and 1911 demonstrate the changing land use patterns (Figures 9, 10, and 11).

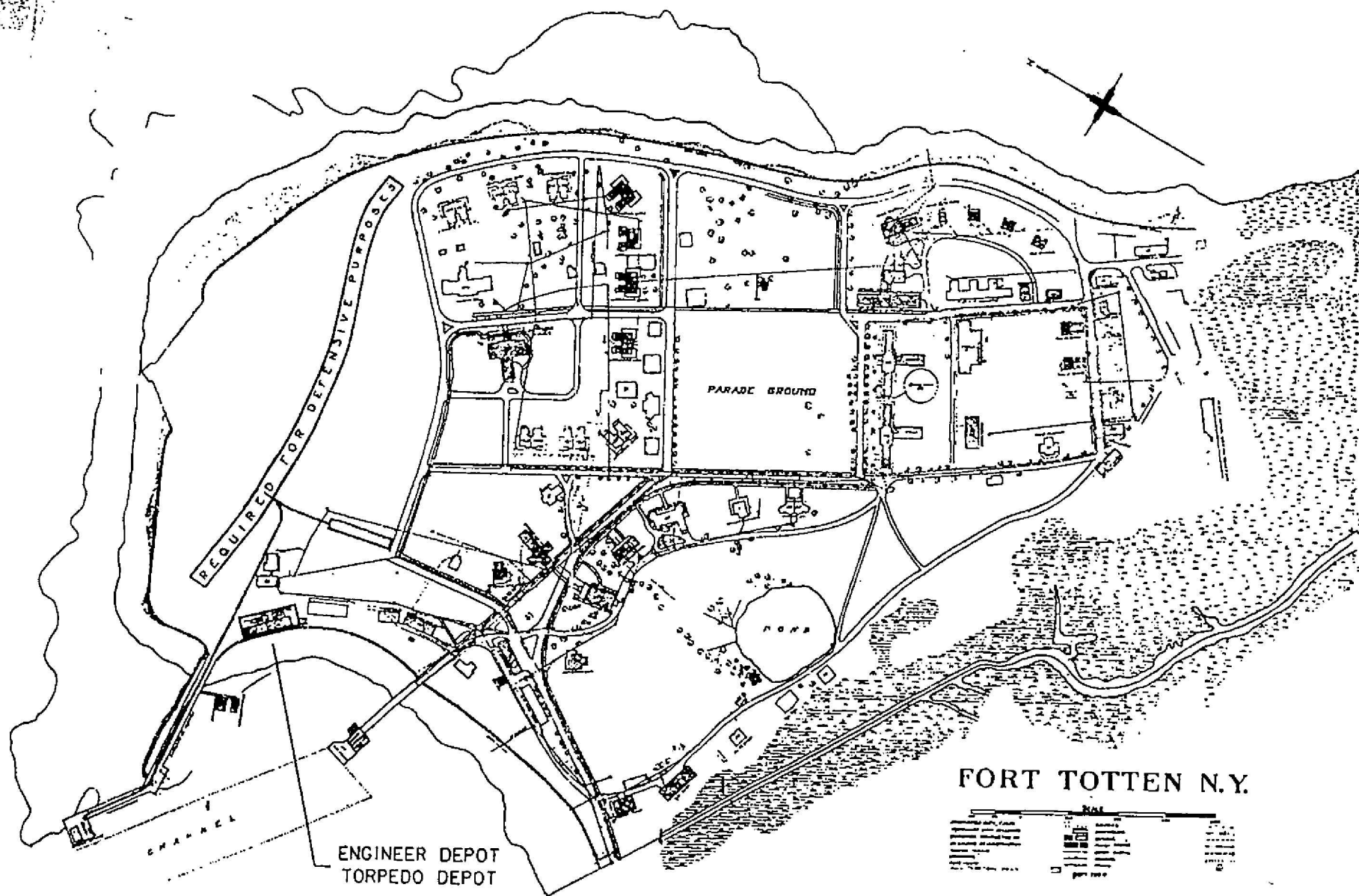
The Fort's mission changed as well. The Army Engineering School of Application was relocated. Just prior to World War I, Fort Totten became a Headquarters to the Artillery District of New York and the North Atlantic Coast Artillery District (Gaines 1996).

### **3.2.3 World War I to World War II (1914 to 1945)**

Innovations in military technology and changes in defense tactics again rendered many of the fortifications at Fort Totten obsolete by the onset of World War I. The Fort's wartime duties included acting as a training and staging area for numerous troops that were en route to Europe. The traditions of engineering and experimentation established in the late 1800s at the Fort continued despite the relocation of the Engineering School of Application. Most of the research was focused on torpedoes, naval mines, and anti-aircraft technologies (Timelines, Inc. 1989a).

The period between World War I and World War II was one of housekeeping. Many of the facilities were upgraded and modernized. Roads were improved and the total land area of the Fort was increased by filling in wetlands areas. Twenty-three new buildings were constructed between 1933 and 1939 in response to the threat of war (Figures 12 and 13). This number includes six housing facilities and 17 utilitarian structures ranging in function from electrical transformer stations to all-purpose garages (Trieschmann and Gettings 1998). The defense mission at the Fort was largely anti-aircraft at this time and by 1938, the batteries were completely abandoned.

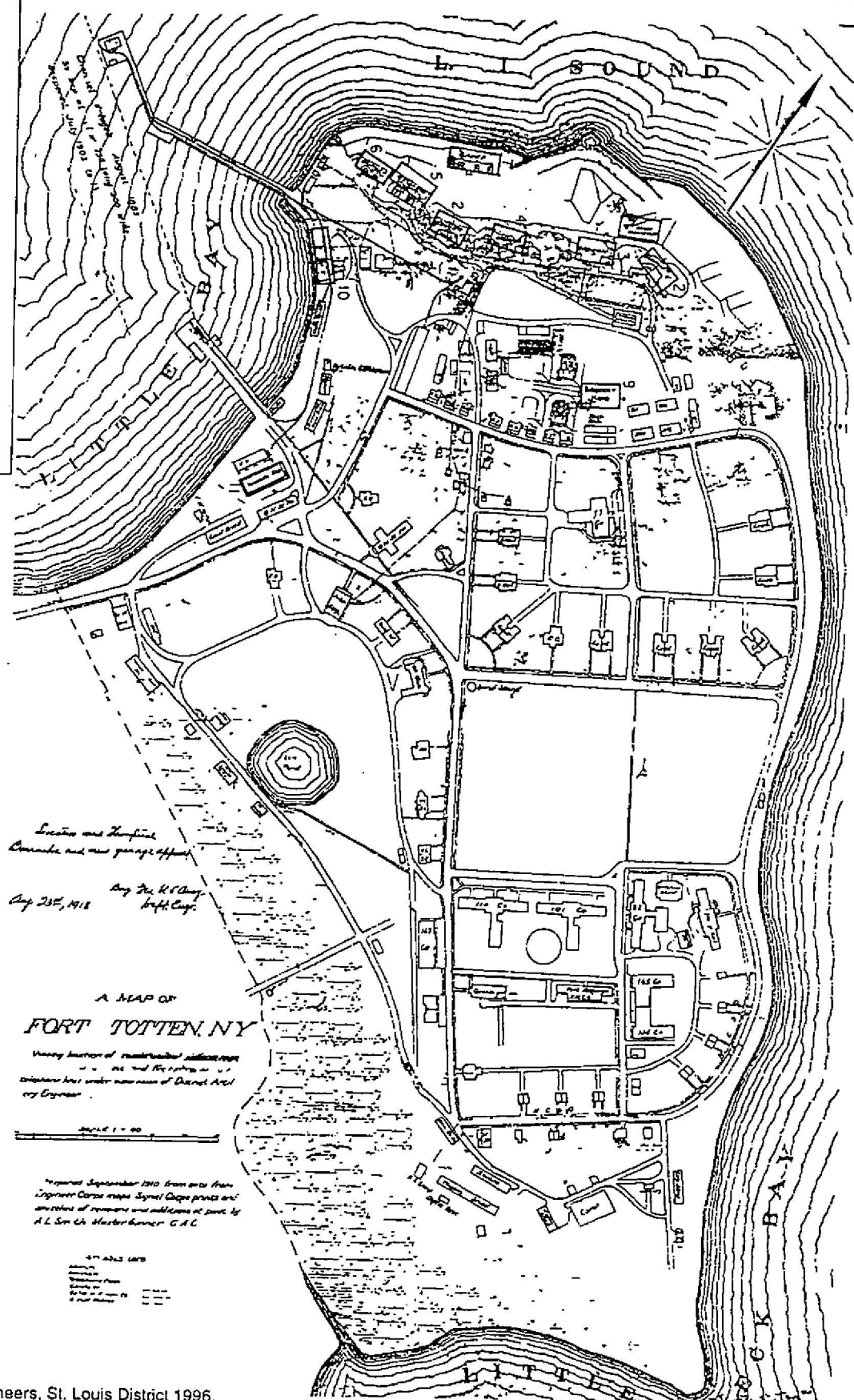
The onset of World War II again led to increased activity at the Fort. In 1941, the Eastern Defense Command established its Anti-Aircraft Command at Fort Totten. This group was responsible for aerial research and development and, accordingly, the Fort received the first radar installation on the east coast (Alperstein 1977). This group was also responsible for processing, training, and assigning units during the war. Numerous troops moved through the Fort. To accommodate the large number of soldiers, approximately 60 buildings were erected during this time, most of which were temporary (Trieschmann and Gettings 1998).



Source: U.S. Army Corps of Engineers, St. Louis District 1996.  
Note: Not to scale.

Figure 9. 1904 Map of Fort Totten.

1. Main Magazine
2. Battery Sumner
3. Battery Graham
4. Battery Mahan
5. Battery Stuart
6. Battery Burnes
7. Battery Baker
8. Ordnance Storehouse
9. Battery King
10. Mine Shop
11. Torpedo Depot



Note: Not to scale.

3411

EDITION OF SEPT. 1, 1911.

SERIAL NUMBER [REDACTED] **CONFIDENTIAL**

# FORT TOTTEN, WILLETS PT., N.Y.

100' 0 300 1000'

- Ⓢ BATTLE COMMAND.
- Ⓢ (KING) FIRST FIRE COMMAND.
- Ⓢ SECOND FIRE COMMAND
- Ⓢ (GRAHAM)
- Ⓢ (MAHAN)
- Ⓢ (SUMNER)
- Ⓢ MINE COMMAND.

- Ⓢ THIRD FIRE COMMAND
- Ⓢ (GANSEVOORT.)
- Ⓢ (HAZZARD) Ⓢ (GRAHAM).
- Ⓢ TIDE STATION. Ⓢ (MAHAN).

S B SWITCHBOARD ROOM.

## MINE DEFENSE.

- C.T. CABLE TANK.
- M.C. MINING CASEMATE.
- T.S. TORPEDO STO. HOUSE.
- T.W.S. WORK SHOP.
- T.L. LABORATORY.
- T.L.R. LOADING RM.

Ter. CABLE TERMINAL.

Ⓢ SEARCHLIGHT, 60-INCH.

Ⓢ 36-INCH SEARCHLIGHT.

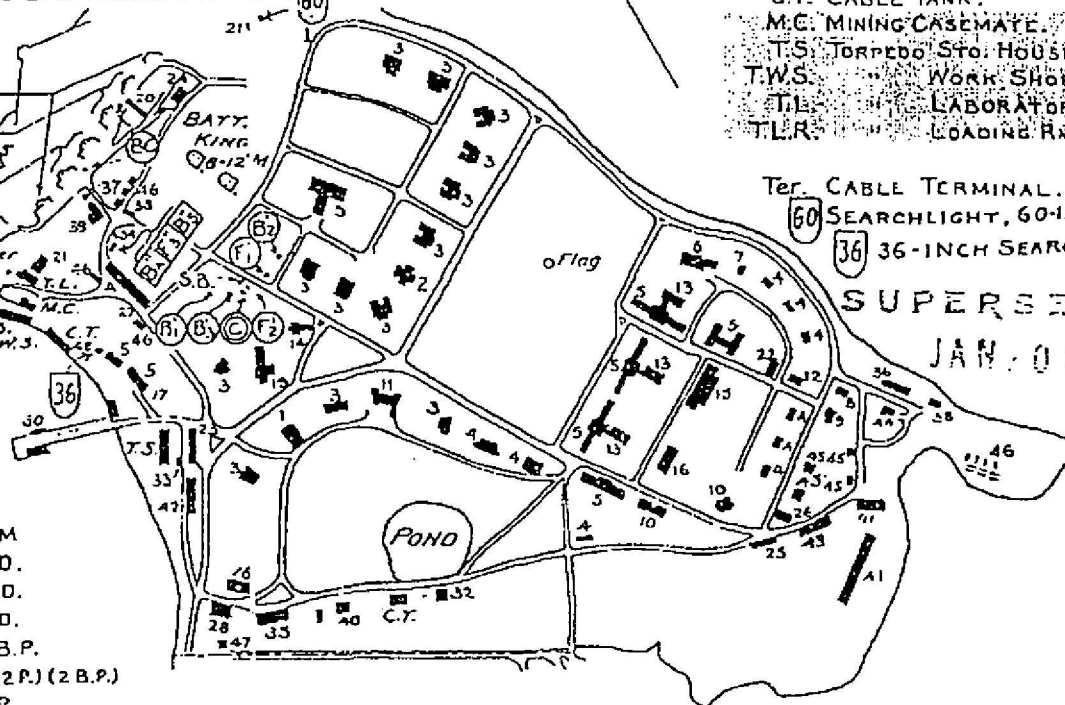
**SUPERSEDED**

JAN. 0 1915

- BATT. SUMNER
- 2-8"
- BATT. GRAHAM
- 2-10"
- BATT. BAKER
- 4-3"
- BATT. MAHAN
- 2-12"
- BATT. STUART
- 2-5"
- BATT. BURNES
- 2-3"

## BATTERIES.

- KING.....8-12" M.
- MAHAN.....2-12" D.
- GRAHAM.....2-10" D.
- SUMNER.....2-8" D.
- STUART.....2-5" B.P.
- BAKER.....4-3" (2 P.) (2 B.P.)
- THOS. BURNES...2-3" P.

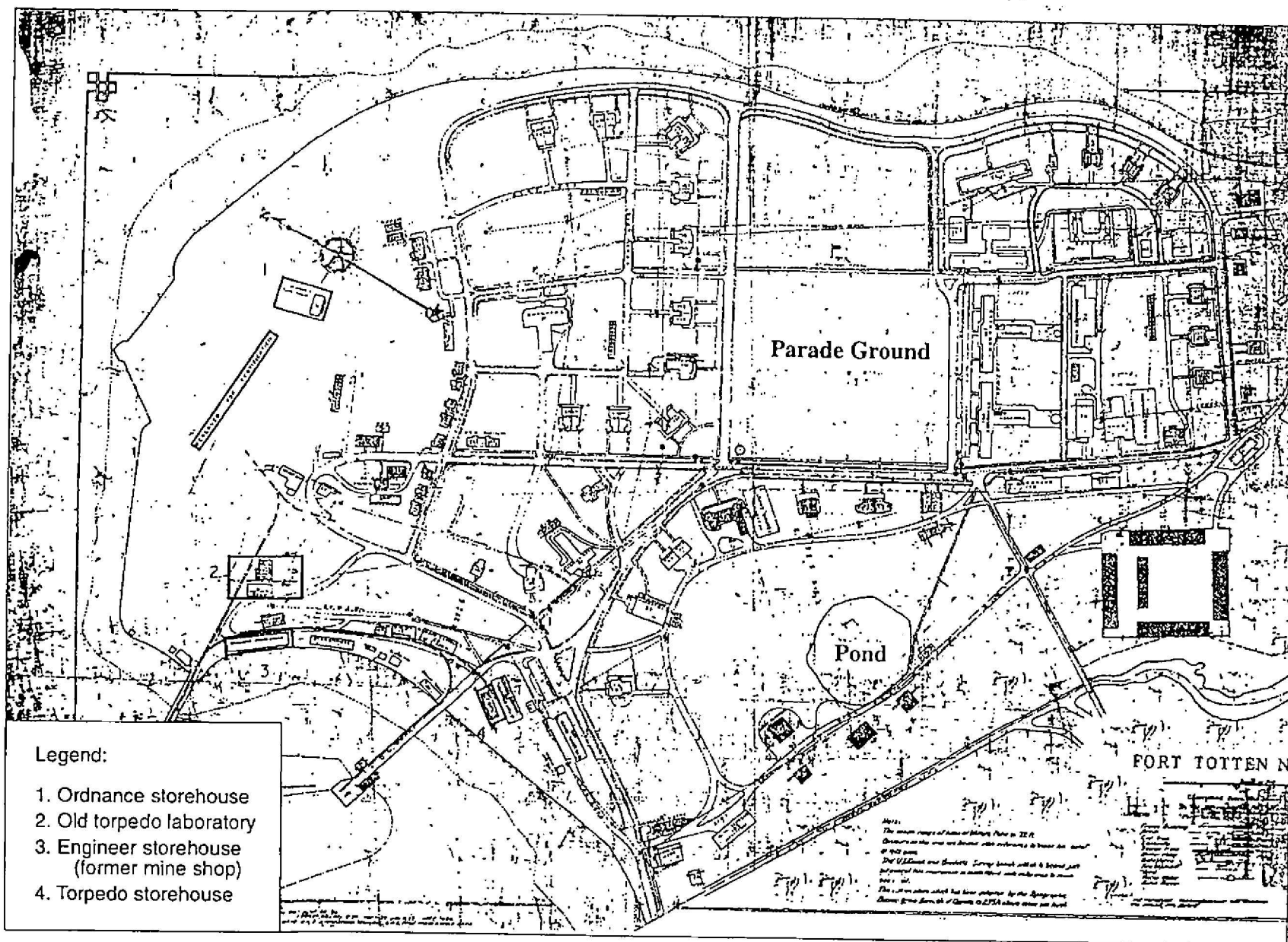


1. Administration Bldg.
2. Comdr's Officer's Qrs.
3. Officers' Qrs.
4. N.C. Officers' Qrs.
5. Barracks.
6. Hospital.
7. Hospital Stwds Qrs.
8. Plumber's Qrs.
9. O.M. Sergeant's Qrs.
10. Band Qrs.
11. Officers' Mess.
12. Bakery.
13. Kitchen.
14. Church.
15. Post Exch. & Y.M.C.A.
16. Gymnasium.
17. Steam Laundry.
18. Auto Shed.
19. Q.M. Storehouse.
20. Power House.
21. S.L. Power House.
22. Fire Engine House.
23. Store Ho. & Office.
24. Ordnance Sto. Ho.
25. Commissary Sto. Ho.
26. Store House.
27. Engineer Sto. Ho.
28. Guard House.
29. Bath House.
30. Boat House.
31. Launch House.
32. Ice House.
33. Oil House.
34. Ordnance Shop.
35. Q.M. Shop.
36. Carpenter Shop.
37. Latrine.
38. Blacksmith Shop.
39. Engineer Shop.
40. Q.M. Shed.
41. Q.M. Wagon Shed.
42. Q.M. Coal Shed.
43. Stable.
44. Crematory.
45. Soldiers Qrs.
46. Maneuver camp Sheds.
47. Transformer Station.
48. Searchlight Shelter.

Source: U.S. Army Corps of Engineers, St. Louis District 1996.

Figure 11. 1911 Map of Fort Totten.





Source: U.S. Army Corps of Engineers, St. Louis District 1996.  
Note: Not to scale.

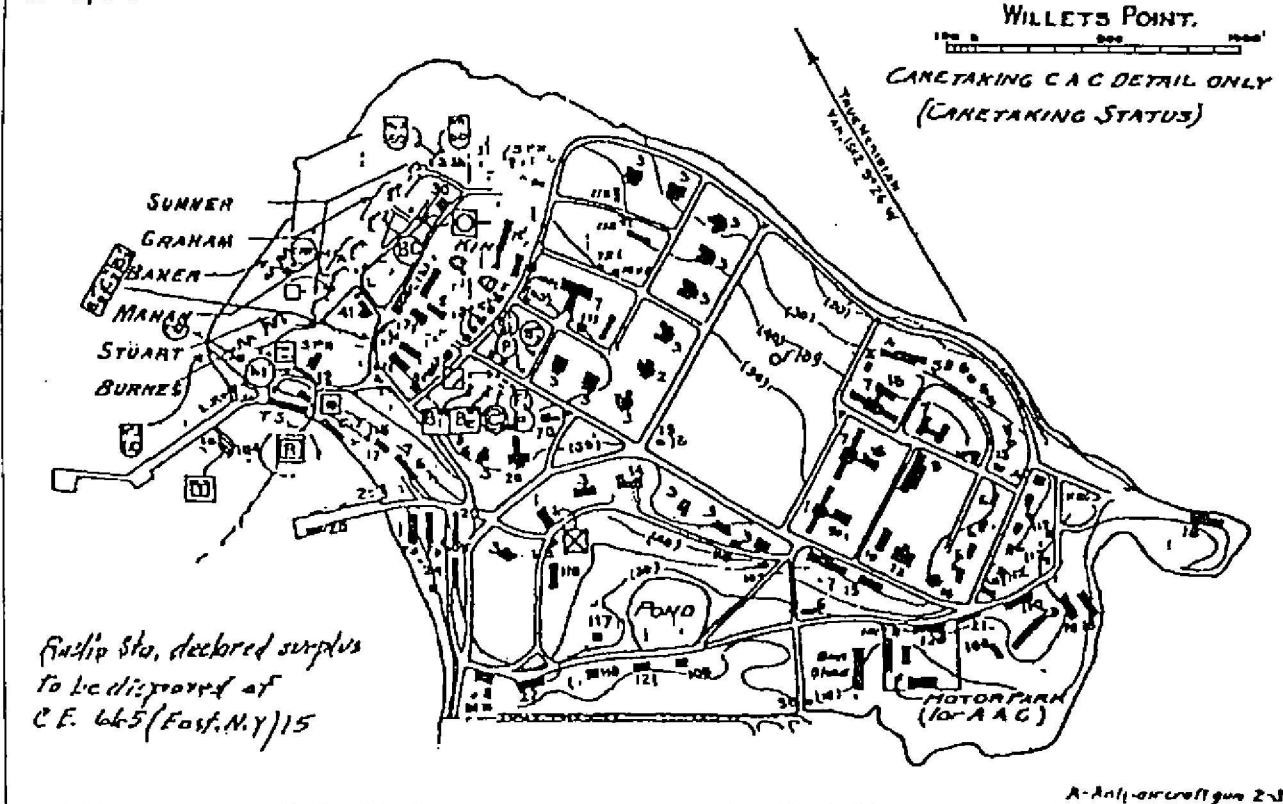
Figure 12. 1928 Map of Fort Totten.



# LEGEND

1. ADMINISTRATION BLDG
2. COMD'G OFFICERS QRS
3. OFFICERS QRS
4. HOSPITAL
5. HOSPITAL STW O QRS
6. M.C. O QUARTERS
7. BARRACKS
8. GUARD HOUSE
9. POST EXCH BY M.C.A.
10. GYMNASIUM
11. TORPEDO WORK SHOP
12. LABORATORY
13. BAND QUARTERS
14. OFFICERS MESS
15. BAKERY
16. KITCHEN & MESS HALL
17. TEAM LAUNDRY
18. AUTO SHED
19. BAND STAND
100. HOSE REEL HOUSE
101. STOREHOUSE
102. BOAT HOUSE
103. LAUNCH HOUSE
104. OIL HOUSE
105. ICE HOUSE
106. BLACKSMITH SHOP
107. GREENHOUSE
108. STABLE
109. CREMATORY
110. SOLDIER'S QUARTERS
111. PAINT SHED
112. M.C. STOREHOUSE
113. COMMISSARY ST MO
114. M SHOP

EDITION OF JAN 14, 1915  
REVISIONS DEC 7, 1916 APRIL 27, 1917 FEB 17, 1920  
JAN 3, 1922 APRIL 7, 1923, JULY 1925  
MAR 15, 1935



## NEW YORK HARBOR FORT TOTTEN

### WILLETS POINT.

CANETAKING C A C DETAIL ONLY  
(CANETAKING STATUS)

13. O.M. WAGON SHED.
14. O.M. COAL SHED.
15. ORDNANCE ST. MO.
16. FLUMBER'S QRS.
17. ENGINEER SHOP STMO
18. CHURCH.
19. WATER METER HOUSE
20. TRANSFORMER STA.
21. O.M. SHED.
116. AUTO REPAIR SHOP.
117. OFFICER'S GARAGE.
118. ANTI-AIRCRAFT GUN STMO
119. Y.M.C.A.
120. GARAGE.
121. O.M.

### BATTERIES

- |        |          |
|--------|----------|
| KING   | 8-12° M. |
| MAHAN  |          |
| GRAHAM |          |
| SUMNER |          |
| STUART |          |
| BAKER  | 2-3° P.  |
| BURNES | 2-3° P.  |

A-Anti-aircraft gun 2.5\"/>

Figure 13. 1935 Map of Fort Totten.

### 3.2.4 Post-World War II to Present

Since the close of World War II, activities at Fort Totten have included health care, anti-aircraft defense, and training and recruitment. Between 1947 and 1949, the Post served as the Fort Totten General Hospital. In this role, Fort Totten provided medical services for military personnel and their families living in Queens and the Bronx. In 1954, the First Region Army Air Defense Command was organized at Fort Totten to provide anti-aircraft defense for New England, New York, New Jersey, and U.S. bases in Greenland. By 1961, the responsibility for defending Virginia, Pennsylvania, and Washington, D.C. was also Fort Totten's. This mission was terminated at Fort Totten in 1967.

Since then the Fort has been on inactive status. Since 1969 it has served as headquarters for the 77th Army Reserve Command. This is the largest Army Reserve Corps center in the U.S.

## 3.3 PREVIOUS INVESTIGATIONS

### 3.3.1 Archaeological Sites

Information on known archaeological sites near Fort Totten was provided in part by the New York State Museum and the New York State Office of Parks, Recreation and Historic Preservation (Appendix E). Few archaeological investigations have been conducted in the vicinity of the project area. No prehistoric archaeological sites and one historic site, a Civil War Period earthwork, have been identified within a 1.6-km (one-mile) radius of the project area. The earthwork, called the Glacis Site, is actually located at Fort Totten, outside of the project area, on a parcel of land occupied by the U.S. Coast Guard (New York State Office of Parks, Recreation and Historic Preservation 1985).

Site files at the New York State Office of Parks, Recreation and Historic Preservation contain information on several prehistoric sites in the general vicinity of the project area. The Gugliotta Site, located in Bayside near the Cross Island Parkway, is a Woodland Period shell midden which produced decorated potsherds, projectile points, and bone fragments (Division for Historic Preservation, New York State Parks and Recreation 1969). Other shell middens identified in the vicinity of the project area include the Kaesar (or Pelham Bridge) Site on the Hutchison River and the High Island Site on Long Island Sound. The Kaesar site produced chert and quartz flakes, deer bones, and grit-tempered pottery linking it to the Woodland Period. No artifacts were found in association with the High Island shell midden.

Prior to the Phase II excavations reported on here, Tetra Tech completed Phase IA/B research and excavations within the excess parcel (Bienenfeld and Leininger 1998). For those excavations, the project area was divided into six sections (A through F) based on existing landmarks or topographical features. Those excavations identified 10 features relating to the historic 19th-century military occupation of the site, in Sections A, B, C and F. It was hypothesized that the features were related to the mid-19th century hospital complex in the area that is now the parade ground, or to camps or hutments from the

period of Camp Morgan. Based on the archaeological findings, Tetra Tech concluded that portions of Sections A, B, and C contained archaeological remains that may be potentially eligible for listing on the National Register of Historic Places (NRHP). Nine isolated prehistoric stone artifacts were also recovered in Sections A and B.

### 3.3.2 Cultural Resources Investigations

Early prehistoric investigations include Arthur C. Parker's "The Archaeological History of New York" (1920), and Reginald Bolton's "Indian Life Long Ago in the City of New York" (1934). Both of these publications contain maps depicting the location of Native American settlements (Figures 14 and 15). Neither of these maps identifies any settlements on the ridge that forms the project area. Recent investigations include Phase IA evaluations of project areas along the Long Island Expressway between Maurice Avenue and the Grand Central Parkway (Pickman 1983) and in the Jamaica portion of Queens County (Edwards and Kelcey Engineers, Inc. and Historic Preservation 1996).

A listing of reports directly applicable to Fort Totten's history and cultural resources is provided in this Section, and also in Section 10.0.

"A Command Guide to the Management of Historic Resources at Fort Totten," prepared by Timelines, Inc. in 1989.

*A Cultural Resource Overview and Management Plan for Fort Totten* prepared by Louis Berger and Associates in 1986.

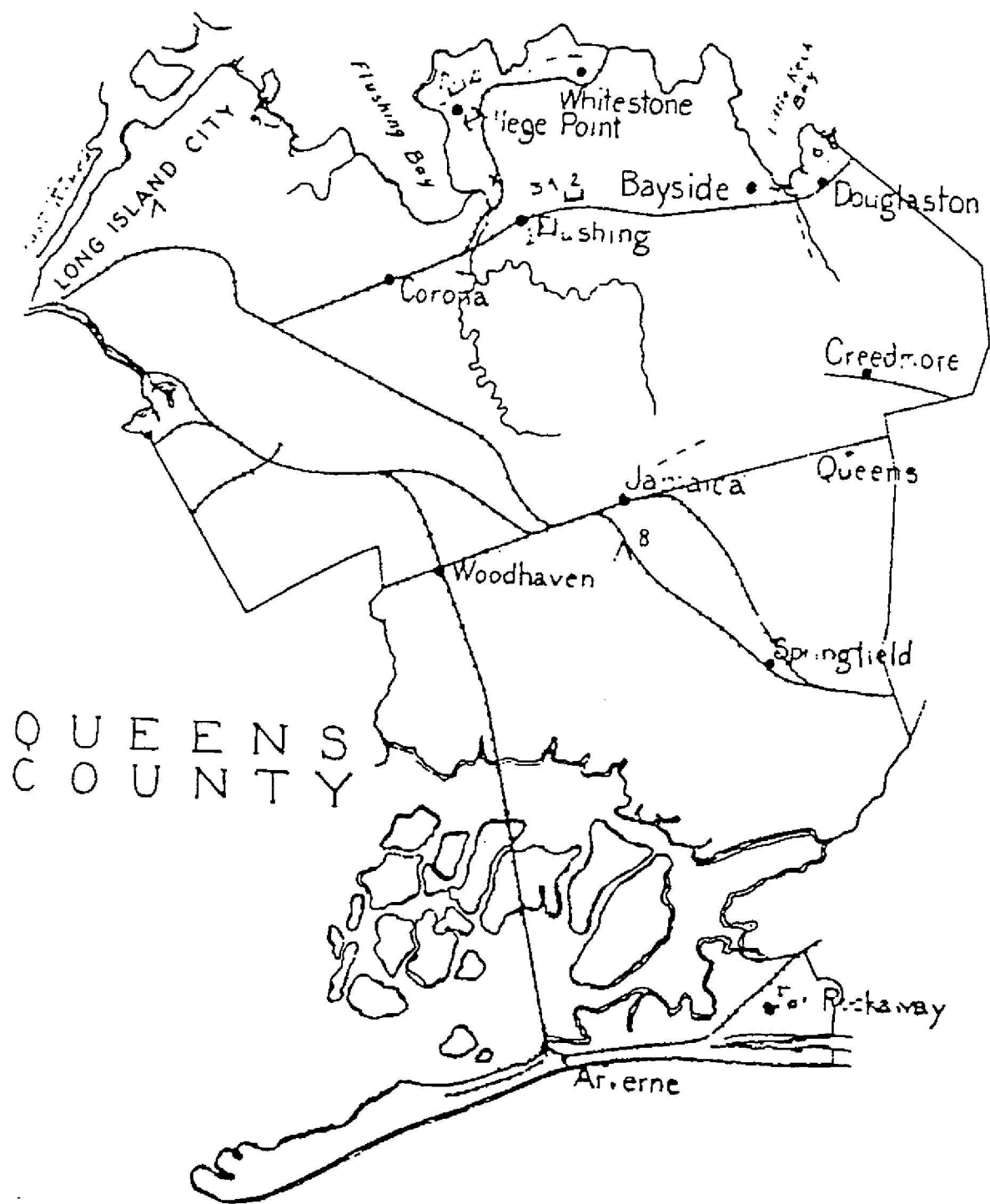
*Environmental Baseline Survey Report Fort Totten, New York* (draft) prepared for the U.S. Army Corps of Engineers by Woodward-Clyde Federal Services in 1996.

*Fort Totten and the Coastal Defenses of Eastern New York* prepared by William C. Gaines of Scarp Associates in 1996.

*Fort Totten, New York An Evaluation of its Historical Significance* prepared by John H. Lindenbusch, Executive Director of the Long Island Historical Society, no date.

"Fort Totten at Willet Point" prepared by David M. Alperstein, no date.

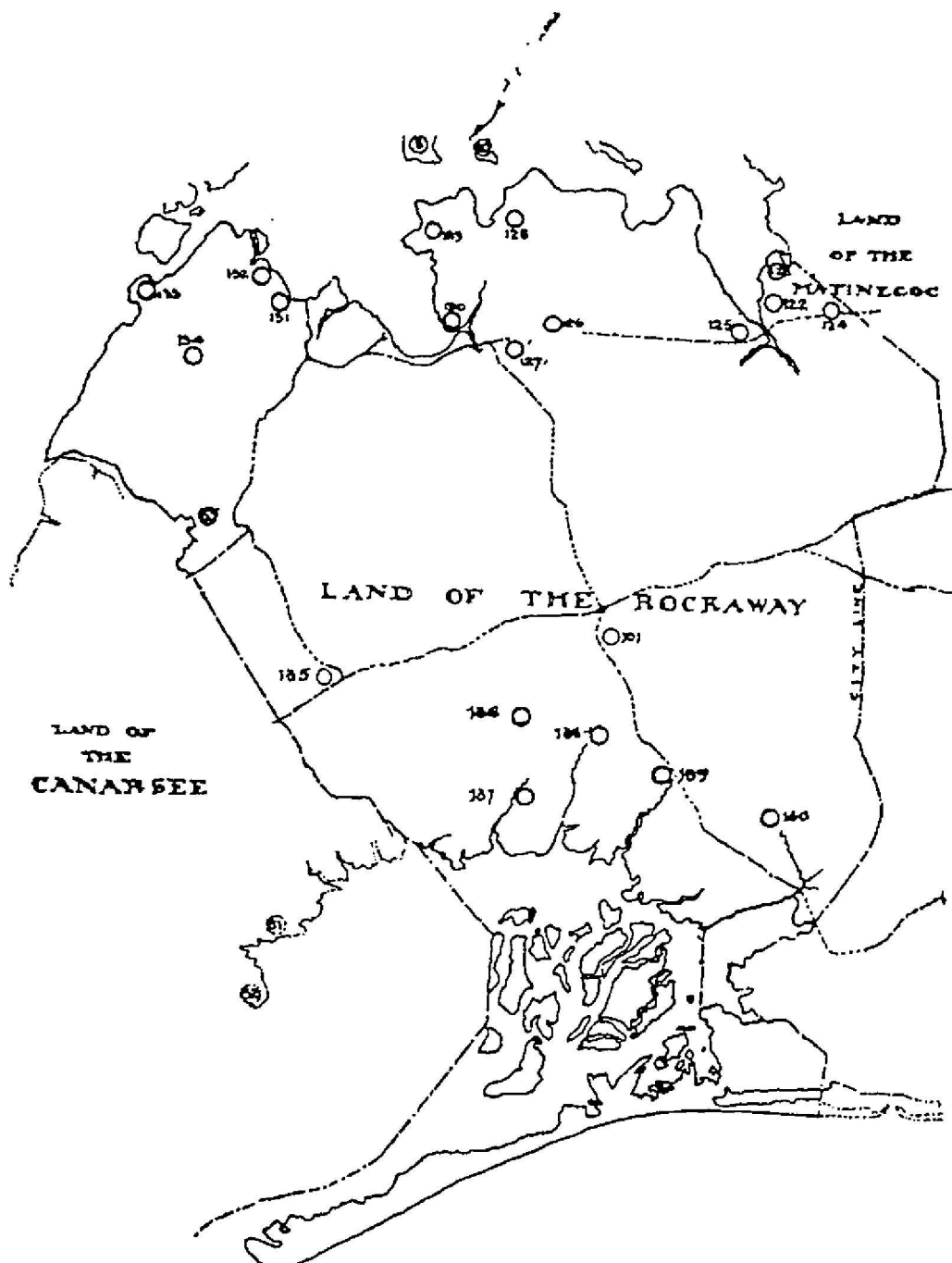
"Historic Preservation Plan for Fort Totten" prepared by Timelines, Inc. in 1989.



Source: Parker 1920.  
Note: Not to scale.



Figure 14. 1920 Illustration of Archaeological Sites in Vicinity.



INDIAN SITES IN THE BOROUGH OF QUEENS

Source: Bolton, 1934.  
 Note: Not to scale.

Figure 15. 1934 Illustration of Archaeological Sites in Vicinity.

*Historic Architectural Inventory Survey and Determination of Eligibility Fort Totten Bayside, Queens County, New York* prepared by Laura Trieschmann and Kathryn Gettings of Traceries in 1998.

*Installation Assessment of New York Command and Fort Hamilton, Brooklyn, New York, and its Sub-installations: Fort Wadsworth, Staten Island, New York; and Fort Totten, Flushing, New York* prepared by Environmental Science and Engineering, Inc. in 1984.

*Ordnance, Ammunition and Explosives Chemical Warfare Materials Archives Search Report* prepared by the U.S. Army Corps of Engineers St. Louis District in 1996.

"New York Parks, Recreation and Historic Preservation Inventory Form for the State and National Register of Historic Places: The Fort at Willets Point/Fort Totten" prepared by Goldstone and Hinz Architects, P.C. for the Bayside Historical Society in 1983.

These documents provided information on changing missions at the Fort since its establishment in 1857; detailed information on the construction and functions of fortifications; land use histories; and discussions of non-defensive facilities within the Fort. Another source of information was Mr. Jack Fein, Chief Warrant Officer, U.S. Army (Retired), the Fort's Historian and curator of the Fort Totten Military Museum. He maintains an extensive collection of photographs, documents, and artifacts relevant to the Fort, all of which are available for public review.

### 3.4 SENSITIVITY ANALYSIS

#### 3.4.1 Prehistoric Resources

The New York State Museum has identified the project area as having, "a high probability of producing prehistoric archaeological data" based on environmental conditions. The terrain in the project area is similar to terrain in the general vicinity where recorded archaeological sites are indicated and the physiographic characteristics of the location suggest a high probability of prehistoric occupation or use. The project area sits upon a ridge jutting into Long Island Sound, Little Bay, and Little Neck Bay. The East River channel is to the north and the peninsula was originally connected to the mainland by tidal marshes and mud flats. These water bodies would have provided an excellent source of fish, shellfish, waterfowl, and wetland floral species. Woodland species (floral and faunal) were probably present on the point as well, although fresh water may have been a problem (high tides bring salt water to the beaches twice a day and there are no natural surface water bodies at Fort Totten). The northern beaches of Long Island are characterized by gravel and cobbles, some of which may have been suitable for stone tool manufacture. Some parts of the project area are well drained and suitable for habitation. Given this information, there is a high probability that prehistoric use of the land at Fort Totten did occur, and may have included subsistence activities and



possibly lithic procurement. The probability for long term prehistoric occupation is somewhat compromised by fluctuating salinity levels in the water.

The issue, however, is whether or not this property has the potential to contain vestiges of prehistoric occupation. The project area, for the most part, does not. First, the northern portion of Fort Totten has been extensively disturbed by defense activities. The original hillside was cut away during the 1860s to make room for the stone fort or water battery. The hillside behind it was essentially removed during the construction of the Endicott Period cement batteries. This disturbance most likely extends from the waterline south to Abbot Road and probably beyond (Gaines 1996; Louis Berger and Associates 1986). With the exception of the parade ground, the area from Abbot Road south to the reserve enclave has been extensively disturbed by construction activities. The eastern shore line has been reworked and filled to reinforce Shore Road and was identified as having a low preservation potential in Fort Totten's cultural resources management plan (Louis Berger and Associates 1986).

The parade ground, which has not been the site of extensive military construction activities, is one of the few portions of the project area with the potential for intact prehistoric remains. Even so, historic clearing and plowing may have compromised any sites in the parade ground. In addition, the cultural resources management plan identifies the southern portion of the Fort as having a medium potential for the preservation of prehistoric archaeological deposits. This area is currently filled and paved but may have been exposed dry land 5,000 years ago (Louis Berger and Associates 1986). This area falls outside of the BRAC parcel, within the U.S. Army Reserve Center enclave.

### 3.4.2 Historic Resources

Historic period occupation of Fort Totten is well documented. The property was occupied continuously from 1639, first by the Thorne family and then the Willets. Both the Thorne and Willett families farmed the land—the Willets were nurserymen. Structures associated with both families were standing when the U.S. government purchased the land in 1857. The Willets villa (Building 211) stands today, although not in its original location. The same forces that compromise the potential for prehistoric remains at Fort Totten exist for the historic period. Both structures are thought to have stood in the northern portion of the peninsula—that area which has been extensively disturbed through construction and reconstruction of fortifications.

While the pre-military historic occupation of Fort Totten is unlikely to be represented archaeologically, the military period undoubtedly is. Fort Totten's cultural resources management plan identified the northern portion of the peninsula containing the batteries and the land immediately around Building 506 as high probability areas. According to that plan, features associated with the construction of the stone fort and other defensive facilities may exist in the area under thick fill deposits. However, this is doubtful, as the stone fortifications were probably constructed directly onto bedrock, and the cement fortifications have very deep foundations. The land between Walter Reed Road and Weaver Avenue, and Story Avenue and Sergeant Beers Avenue is identified in the cultural resources management plan as a medium probability area, based on the

assumption that the military has built and rebuilt a number of buildings in the area over time (Louis Berger and Associates 1986). It is possible that buried structural remains or other features may exist around the standing buildings. Subsurface testing of the land around Buildings 635 and 637 and near the intersection of Chapel and Abbott Road by Louis Berger and Associates produced no evidence of a site (Louis Berger and Associates 1986). Therefore, these locations have been defined in the cultural resources management plan as low sensitivity. Again, according to the cultural resources management plan, another low-sensitivity area lies between Lee, Shore, Jarman, and Abbott Roads, and Murray Avenue because of extensive disturbance caused by construction of both the historic military earthworks and the modern residences. Also, archaeological testing by Louis Berger and Associates identified displaced fill throughout this area (Louis Berger and Associates 1986).

The parade grounds are not specifically addressed in the cultural resources management plan but the small area to the east of them is. Based on historic map projections the area was identified as having medium potential for archaeological sites. During the early part of the Civil War, soldiers camped on the peninsula prior to being dispatched to the front. Toward the end of the Civil War, a number of facilities were constructed around the parade ground for housing and use as a hospital. Because the parade ground (and the area immediately surrounding it) has remained somewhat intact since the late 1800s, it has been identified in the cultural resources management plan as having a high potential for historic period military archaeological deposits (Louis Berger and Associates 1986).

#### 4.0 RESEARCH DESIGN

Prior to beginning the archaeological fieldwork, a research design for excavations was developed based on discussions with the COE Point of Contact, Dr. Neil Robison; guidelines developed by the New York Historic Preservation Office; telephone discussions and facsimile correspondence with Ellen Cesarski of the New York Historic Preservation Office; an examination of archival records, maps, and reports describing the environmental setting; prehistoric and historic contexts; and previous archaeological excavations near and within the project area, as discussed in Sections 2.0 and 3.0.

The resulting research design provided for a combination of probes, trench and meter-square unit excavations, and shovel test pit (STP) excavations at each of the previously identified areas which were considered potentially NRHP-eligible. These areas were the historic features identified in Sections A (Features A1, A2, and A3), B (Features B1 through B4), and C (Features C1 and C2), and the isolated prehistoric finds in Sections A and B. Section A is located within the parade ground; Section B is east of the Parade Ground, and Section C is in the area adjacent to the Chapel, west of Murray Avenue and south of Chapel Road (Figure 16).

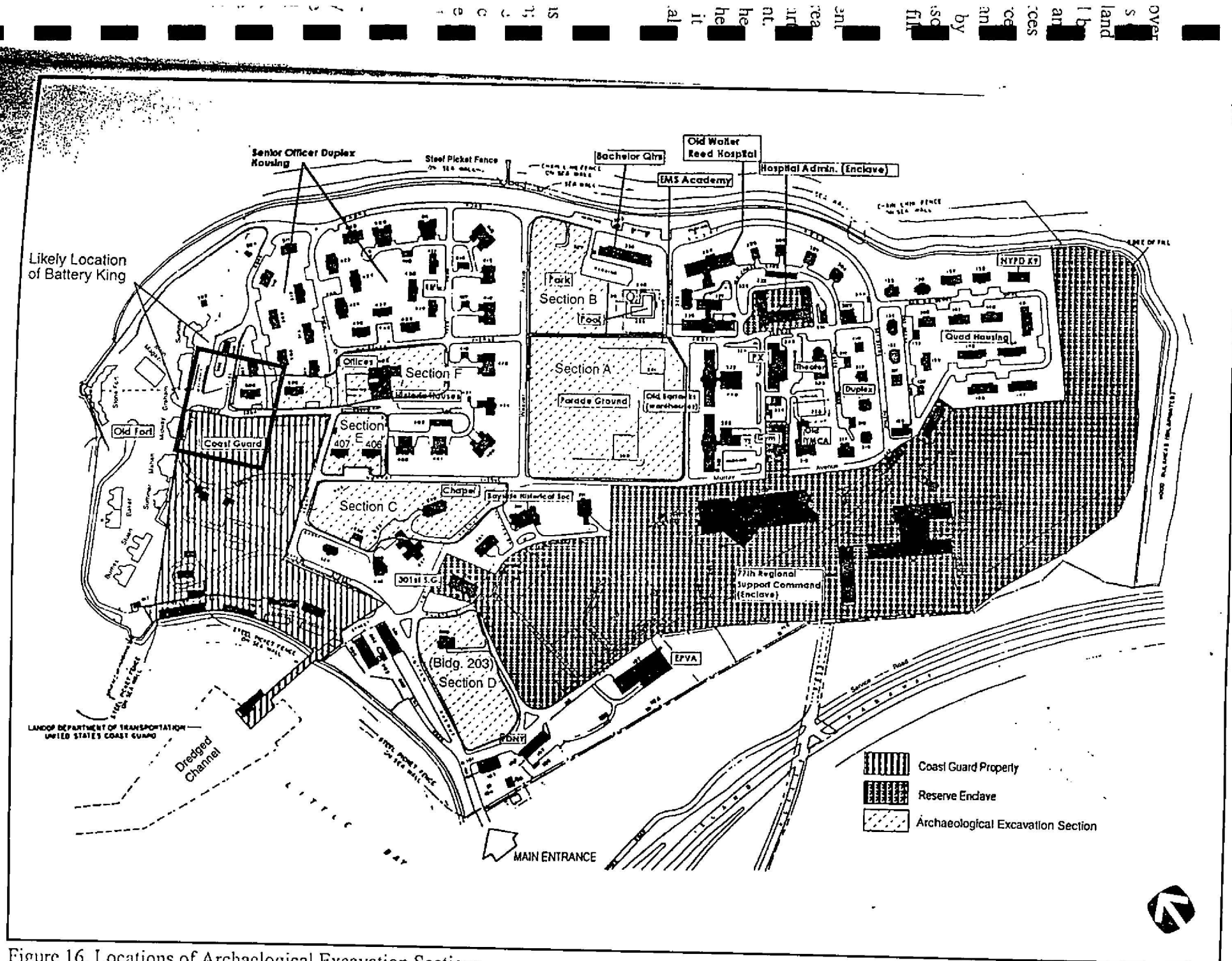


Figure 16. Locations of Archaeological Excavation Sections.

The Phase II fieldwork involved the excavation of STPs, trenches, and larger excavation units, and followed the original Phase IB grid (Bienenfeld and Leininger 1998). That grid was established using a datum, compass, and measuring tapes. Excavation units were given unique coordinates and/or numbers based on their location relative to the datum. This information was then applied to a field map for reference.

Excavation units were dug by hand methods using trowels and shovels. The STPs measured approximately 43 cm (17 in) wide, and units ranged in depth from 0.6 m to 2.13 m (2 ft to 7 ft) deep, depending on stratigraphy. Soils were removed stratigraphically and screened through 0.64-cm (0.25-in) hardware cloth. Standardized field forms were completed for all excavated units. Information recorded on each form included a description of the individual soil profile (depth, soil type, Munsell reading), a list of artifacts recovered, and profiles and plan views. The excavator's initials and date of excavation were also recorded on each form. Because the majority of the Phase II investigation involved research on historic features, the English system of measurement was used during fieldwork. Metric equivalents are provided in the text of this report.

## 6.0

## RESULTS

The Phase I investigation of the BRAC parcel at Fort Totten led to the recovery of 1,377 artifacts (nine prehistoric debitage fragments and 1,368 historic to modern artifacts) and the identification of 12 historic or modern features (Bienenfeld and Leininger 1998). Based on these findings, additional testing was recommended for a number of areas at the Fort. As part of the Phase II investigation, radial STPs were excavated around selected Phase I STPs that produced prehistoric material. This testing was limited to Sections A (the Parade Ground) and B (open area to the east of the Parade ground), and a total of 19 radials were excavated. Ten of the 12 features identified during the Phase I survey were selected for Phase II evaluations. These features are located in Sections A, B, and C (land surrounding the Fort's Chapel). Additional testing of the historic features consisted of the excavation of STPs (n=95) and larger excavation units (n=18). Excavations yielded 7,120 artifacts. Results are presented in this section.

## 6.1

## SECTION A

Located in the central portion of Fort Totten lies the Parade Ground, a well maintained, open, grass-covered area. This is the largest undeveloped portion of the Fort and is slated for excession. For the purpose of the Phase I survey, this tract was designated Section A. It is bounded to the north, south, and west by roads (Weaver Avenue, Story Avenue, and Murray Avenue, respectively). The eastern Section border, as established during the Phase I, is a sidewalk separating the Parade Ground from the park and lawns surrounding Building 336. Section A measures roughly 206 m by 195 m (675 ft by 640 ft) and is rectangular in shape.

In accordance with guidelines established by the New York Archaeological Council (1994), Section A was shovel tested at 15-m (50-ft) intervals during the Phase I investigation. Shovel test pits were excavated along transects established from an arbitrary datum using a compass (magnetic directions) and measuring tapes. The datum was established 22.86 m (75 ft) directly across the street from the front door of Building 322. A total of 104 STPs were excavated at grid points, each bearing a unique number and set of coordinates based on their locations relative to the datum.

Seventy of the Phase I STPs within Section A were positive and a total of 368 artifacts were recovered. Three of the 368 artifacts were prehistoric and the rest were historic or modern. In addition, three historic features or soil profile anomalies were discovered during the survey (Figure 17). Additional testing was conducted near the prehistoric finds and historic features during the Phase II evaluation.

Phase II investigations in Section A utilized the previously established datum and grid coordinates. All excavation units (STPs and tests units or trenches) were placed on the grid, numbered, and given unique coordinates based on location relative to the datum. Excavations were conducted by hand methods, using shovels and trowels. Soils were removed stratigraphically and screened through 0.64-cm (0.25-in) hardware cloth. Artifacts recovered were bagged according to provenience. Artifact recovery and other information relevant to unit excavation (soil types and Munsell readings, depths, etc.) were documented on standardized field forms throughout the fieldwork.

Phase II investigations of Section A included the excavation of 51 STPs and four trenches. Fifteen of the STPs excavated were radials around Phase I STPs that had produced prehistoric material. Remaining STPs and all larger test units were excavated to explore historic features. Two of the four trenches measured 5 m (15 ft) by 0.5 m (1.5 ft) and two measured 3 m (10 ft) by 0.6 m (2 ft). Shovel test pits and 85 square ft of unit excavation yielded 1,803 artifacts. No human remains were encountered during the Phase I or Phase II testing of Section A. Only two of the artifacts recovered potentially date to prehistoric times.

#### **6.1.1 Section A: Prehistoric Investigations**

Three isolated pieces of lithic debitage were discovered during the Phase I investigation of Section A. One cortical quartz flake was recovered from STP 59, located at grid coordinates N450 E150. Shovel test pit 83 at N250 W100 produced one small quartz flake fragment, and a whole quartz flake was found in STP 93 at N400 W100. All prehistoric material was recovered from plowed A horizon soils (Bienenfeld and Leininger 1988).

At the suggestion of the New York SHPO, radial STPs were excavated at 5-m (ca. 15-ft) intervals in cardinal directions from the prehistoric positive Phase I STPs. Phase I STPs were easily relocated and identified following the reestablishment of the grid, and in many cases, the STPs excavated in 1996 were still apparent on the surface. All of the



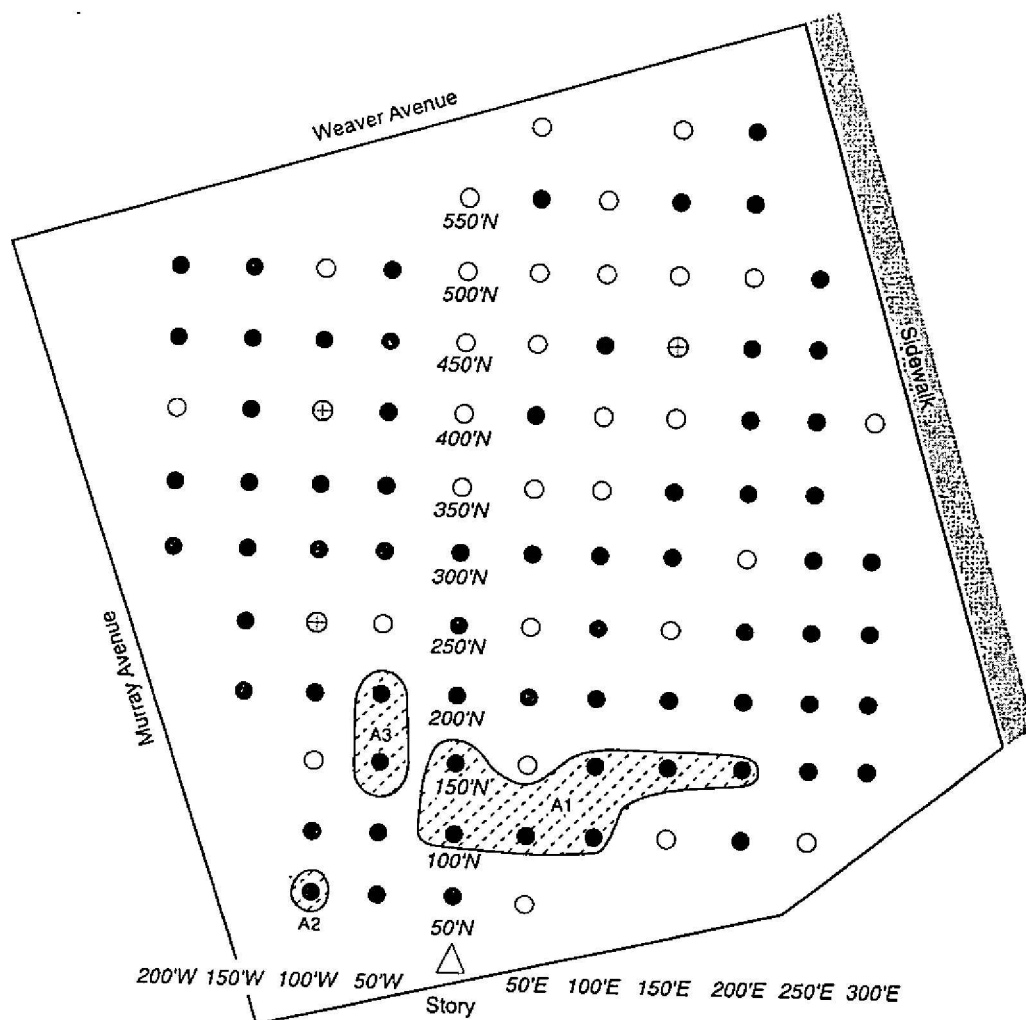


Figure 17. Locations of Historic Features and Prehistoric Finds Identified during Phase I Investigation (Section A)

Ceramics. Excavations associated with Feature B1 produced a variety of ceramic wares and 46 pieces were found. Table 22 provides a summary of ceramic types recovered.

Table 22. Summary of Ceramic Recovery Associated with Feature B1.

CERAMIC TYPE	COUNT	PERCENTAGE OF TOTAL
Hard Paste Porcelain	2	4
White Refined Earthenwares		
Whiteware	6	13
Ironstone (Undecorated)	34	74
Hard Bodied Earthenwares		
Refined Redware (Unglazed)	1	2
Rockinghamware	2	4
Coarse Stoneware	1	2
Coarse Earthenwares		
Redware	1	2
TOTAL	47	(rounding error) 101

Both of the porcelain fragments recovered are undecorated. Three of the whiteware fragments are transferprinted, underglaze, and mend. They appear to be from a flat-form vessel, dinner-plate size. The other three pieces are undecorated and too small to be attributed to a particular vessel type. One of the whiteware fragments is unglazed. All of the ironstone fragments are undecorated as well, although one piece is molded. All but two of the ironstone fragments are of hollow-form vessels. Also recovered was one piece of unglazed gray-bodied stoneware, one redware fragment with a clear lead glaze, one refined redware fragment which is unglazed, and two pieces of Rockingham/Bennington ware.

Container Glass. Sixty-four assorted pieces of container glass were recovered during the Feature B1 investigations. A summary of glass recovery by color is provided in Table 23.

Table 23. Summary of Container Glass Recovery Associated with Feature B1.

GLASS	COUNT	PERCENTAGE OF TOTAL
Amber	7	11
Brown	8	13
Dark Green	5	8
Aqua	23	36
Colorless	8	13
Lavender/Amethyst	5	8
Light Green	2	3
Green	5	8
White Opaque	1	1
TOTAL	64	(rounding error) 101

All seven of the amber and all eight of the brown container glass fragments are non-diagnostic body sherds. Of the five dark green/olive fragments, four are plain body sherds and one is embossed "AR...". Falling under the aqua category are 21 plain fragments, one body fragment with illegible embossed lettering, and one finish with a rounded lip and cylindrical neck. Colorless container glass recovered includes seven plain pieces and one finish with a prescription lip. None of the lavender, light green, or

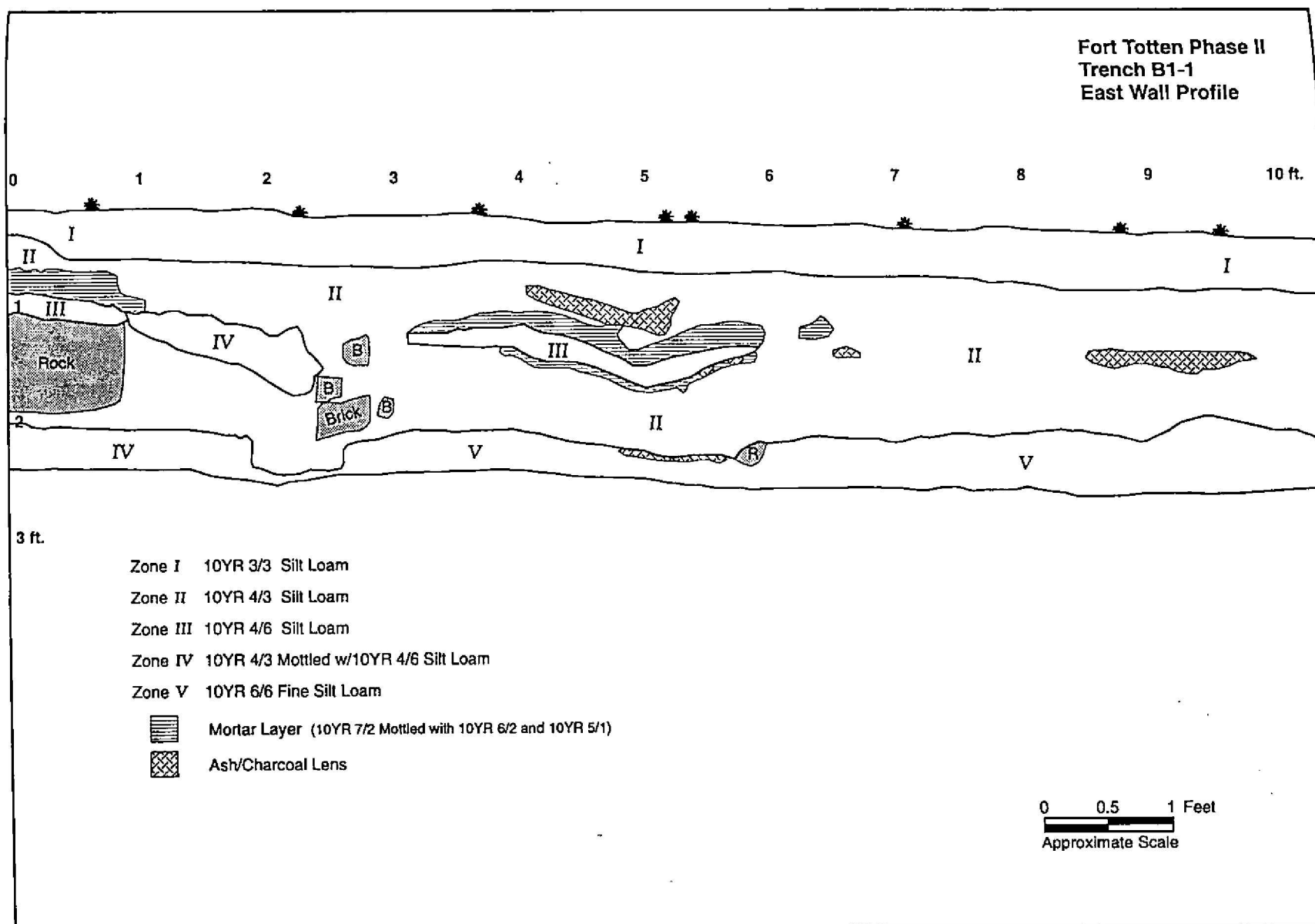


Figure 28. Profile of Trench B1-1.

maps reviewed dating from 1875 to 1910 and is possibly on the 1866 map. It is indicated as the sutler on the 1890 map only, and it remains unknown whether the building's function changed over time.

The reopening of STP 9 from the Phase I work revealed a very large stone set into the natural subsoil. The stone sits at a slight angle and only portions of the stone are actually flat on top. It is an isolated stone, meaning that it is not part of an intact stone and mortar foundation, as no other stones or mortar were observed in the STP. The stone does appear to have been cut in parts, though, and was likely used in some type of construction, as it is quite a bit larger than most of the natural rock observed in area excavations.

Additional, closer-interval shovel testing was then undertaken in the area to search for additional structural remnants. A small area of soil disturbance (no larger than ca. 15 m [50 ft] east-west by ca. by 10 m [35 ft] north-south) was identified, but no intact foundation remnant was discovered. Trench B1-1 was then excavated to expose the boundary between the disturbed and undisturbed areas. Trench B1-1 was excavated at E80 S15 (southwest corner coordinates). The trench measured 3 m by 0.5 m (10 ft by 1.5 ft) with the longer of the two axes oriented north-south.

No intact structural features were identified in the unit. The east unit wall, however, did exhibit some evidence of soil displacement and architectural debris was present (Figure 28). This debris includes some pockets of mortar, bricks and brick fragments, and stones. As this was the closest thing to intact structural remains encountered in the area of Feature B1, additional excavations were undertaken. These excavations consisted of a very large STP (designated "window" on Figure 27) immediately to the east of the concentration of bricks and an additional unit, also east of Trench B1-1. This second excavation unit was designated Trench B1-2. It was excavated at E81.5 S11 and measured 0.6 m by 1.5 m (2 ft by 5 ft). The unit was oriented with the longer side running east-west. Numerous bricks and brick fragments were present in both the additional large STP and excavation unit however, no intact wall/foundation remnants were found.

*Laboratory Investigations.* Numerous artifacts were discovered in excavations associated with Feature B1, the vast majority of which are architectural in nature. Recovery is summarized in Table 21.

Table 21. Artifact Recovery Associated with Feature B1.

ARTIFACT TYPE	COUNT
Ceramics	47
Container Glass	64
Faunal Remains	14
Architectural Debris	185
House and Hardware	15
Personal Effects	1
Other	5
TOTAL	331



Fort Totten Phase II  
Section B  
Feature B1 Excavations

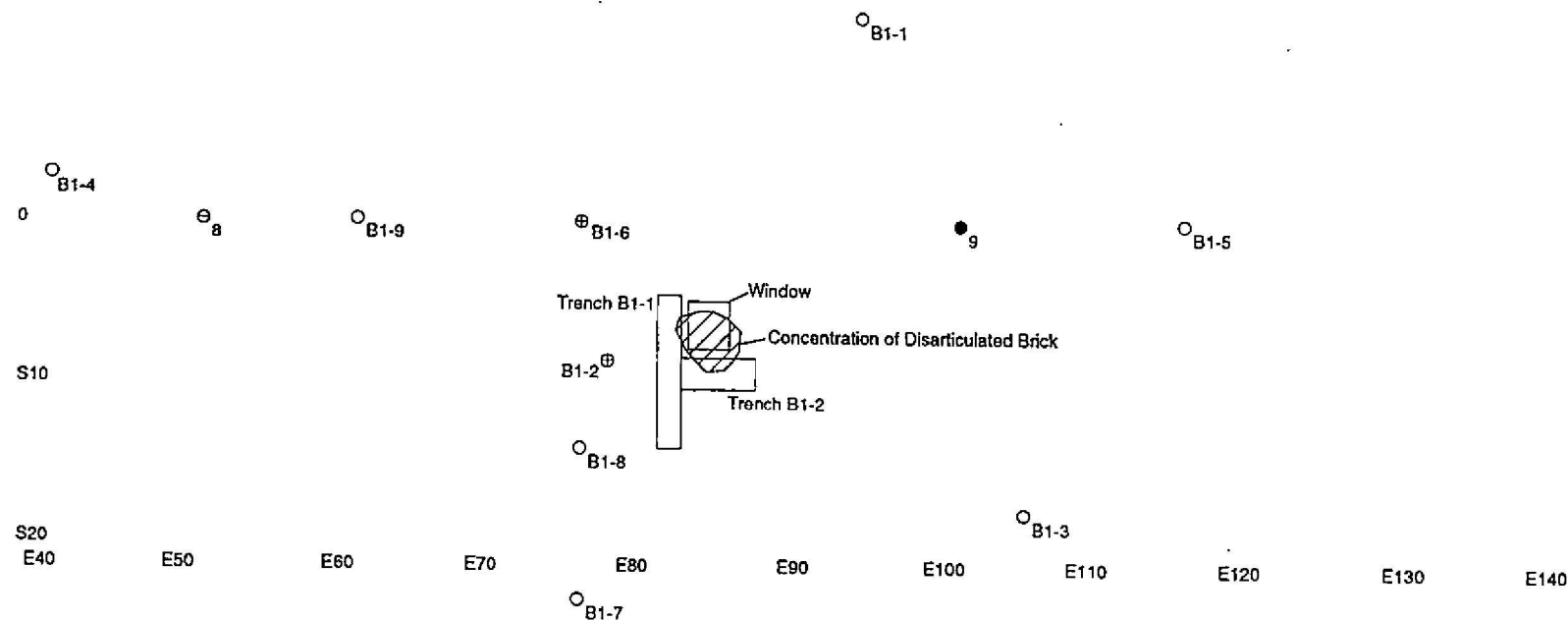


Figure 27. Location of Phase II Excavations Associated with Feature B1.



The north radial (30rN) yielded six undecorated porcelain fragments (five from a flat vessel such as a plate, and one cup handle); two pieces of container glass (one pink and the other colorless); five window glass fragments; a brick fragment; five nails (four cut, one unidentifiable); and a brass cartridge case. The east radial produced two colorless glass container fragments; one bivalve shell; five aqua window glass fragments; two cut nails; and a copper nut. The southern radial (30rS) yielded one transferprinted whiteware rim sherd; one ironstone container fragment; three pieces of brown bottle glass; six aqua window glass sherds; a brick fragment; three cut nails; some putty; and a kaolin pipe bowl fragment. Finally, four pieces of container glass (three aqua and one green); one bivalve shell fragment; four cut nails; and one kaolin tobacco pipe bowl fragment were discovered in the west radial. In addition, a portion of the east wall of a building foundation was exposed in the west radial. This feature, identified during the Phase I survey as Feature B2, is discussed in more detail in Section 6.2.2.2.

### 6.2.2 Section B: Historic Investigations

Five features or soil profile anomalies were discovered during the Phase I investigation of Section B. All of these features are linked to the historic military occupation of the project area. Features B1 through B3 were all interpreted as structural remains, possibly in situ. Attributes associated with Features B4 and B5 are atypical soil profiles and dense concentrations of 19th-century artifacts (Bienenfeld and Leininger 1998).

#### 6.2.2.1 Feature B1

Feature B1 was discovered in the northern portion of Section B, adjacent to Weaver Avenue. It was discovered in STP 9 at E100. The feature is described as a large stone, possibly structural, present in the STP at 74 cm (2.4 ft) below surface. The portion of the stone that was exposed in the STP was described as flat and possibly cut. A number of structures may have been located in Section B during the second half of the 19th century and into the early part of the 20th century. This particular feature was originally interpreted as possibly being associated with the Civil War Period hospital complex located at Fort Totten, based primarily on the recovery of apothecary-type vessel fragments and pharmaceutical bottle glass in close proximity to the feature.

*Field Investigations.* Excavations associated with Feature B1 conducted during the Phase II work include nine STPs and two excavation units (Figure 27). STPs were numbered B1-1 through B1-9 and the trenches were numbered Trench B1-1 and Trench B1-2. In addition, the original Phase I STP 9 was reopened and enlarged to see if the stone was in fact structural and/or a natural occurrence.

Through additional historic map review and excavations, more information was obtained about Feature B1. It is located in the same general area as what is described as the "sutler" on a historic map produced in 1890. This building is present on all project area

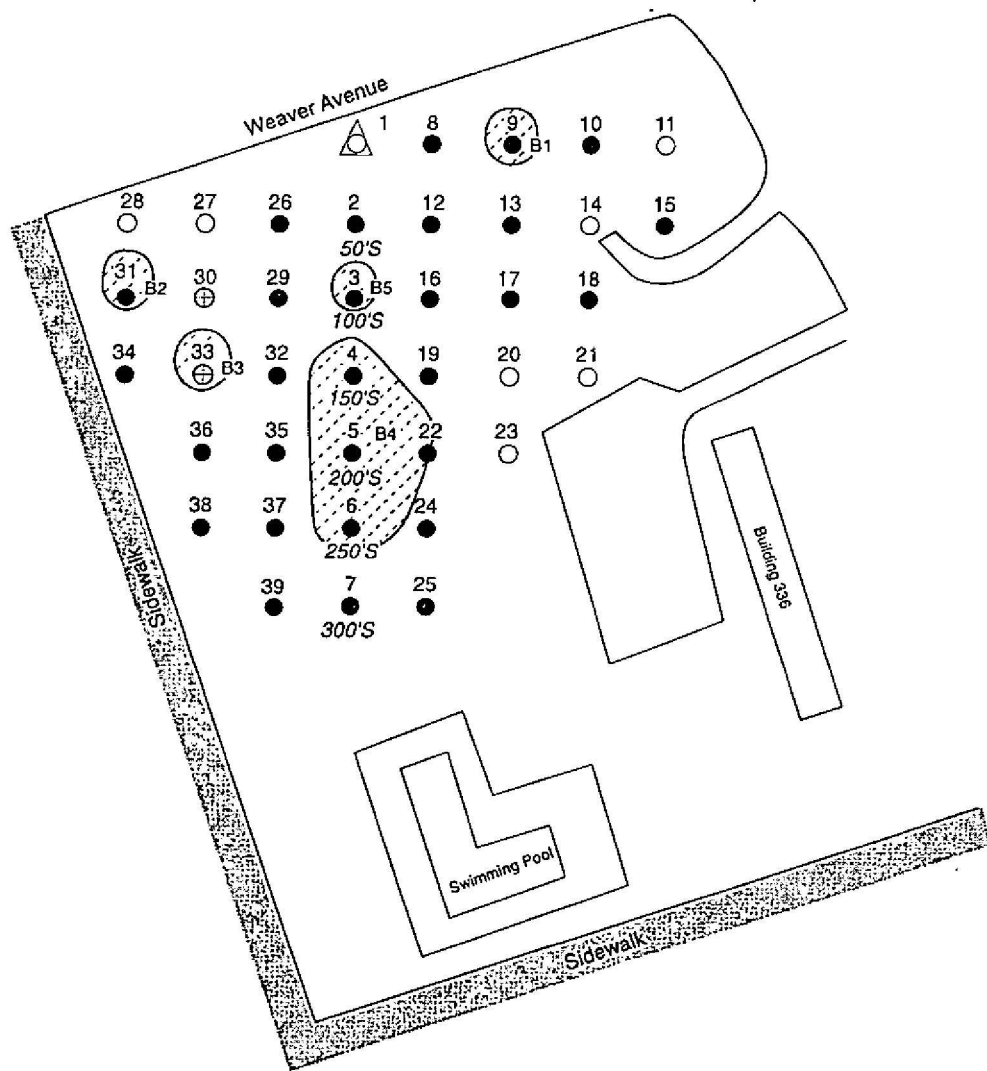


Figure 26. Locations of Historic Features and Prehistoric Finds Identified during Phase I Investigation (Section B)

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Located to the east of Section A, the Parade Ground, lies a gently sloping grass-covered hillside. This area was designated Section B during the Phase I investigation.

In accordance with guidelines established by the New York Archaeological Council (1994), Section B was shovel tested at ca. 15-m (50-ft) intervals during the Phase I investigation. Shovel test pits were excavated along transects established from an arbitrary datum using a compass (magnetic directions) and measuring tapes. The datum was established 42.9 m (141 ft) directly across the street from the front door of Building 415. Thirty-nine STPs were placed within the section, each bearing a unique number and set of coordinates based on its position relative to the datum. No STPs were excavated in close proximity to the standing structures or pool located in the southern portion of the section.

Thirty of the STPs within Section B were positive and a total of 836 artifacts was recovered during the Phase I excavations. Six of the 836 artifacts were prehistoric, and the rest were historic or modern. In addition, five historic features or soil profile anomalies were discovered during the survey (Figure 26) (Bienenfeld and Leininger 1998). Additional testing was conducted near the prehistoric finds and historic features during the Phase II evaluation.

Phase II investigations of Section B included the excavation of 50 STPs and 12 test units. Four of the STPs were excavated around the Phase I STP 30 which produced prehistoric material. Remaining STPs and all test units were excavated to explore historic features. Seven of the excavation units measured ca. 5 m by 0.5 m (15 ft by 1.5 ft). Other units ranged in size from ca. 2 m by 0.5 m (10 ft by 1.5 ft) to ca. 1 m<sup>2</sup> (3 ft<sup>2</sup>). A total of 4,822 artifacts was recovered from these excavations and five historic features were investigated. No human remains were encountered during the Phase I or Phase II testing of Section B.

#### 6.2.1 Section B: Prehistoric Investigations

Six debitage pieces were recovered during the Phase I survey of Section B. Shovel test pits 30 (W100 S100) and 33 (W100 S150) each produced three quartzite flakes. In both cases, prehistoric material was recovered from stratigraphic levels producing historic material (Bienenfeld and Leininger 1998). At the recommendation of the New York SHPO, radial STPs were excavated at 5-m (ca. 15-ft) intervals in cardinal directions from STP 30. None of the radials produced additional prehistoric material.

Table 20. Summary of Architectural Debris Recovery Associated with Feature A4.

ARCHITECTURAL DEBRIS	COUNT	PERCENTAGE OF TOTAL
Window Glass	99	33
Wire Nails	1	<1
Cut Nails	176	59
Unidentifiable Nails	14	5
Utility Pipe	6	2
<b>TOTAL</b>	<b>.296</b>	<b>100</b>

Over 80 percent (n=244) of the architectural material recovered was found in the Trench A4-1 excavations. Cut nails were the most common item recovered followed by window glass. All of the window glass recovered is aqua in color. Also noted but only sampled were brick fragments. A total of three pieces was retained from Trench A4-1. In addition, three pieces of roofing slate were also saved.

House and Hardware. Falling in this category are eight frosted colorless lampshade fragments (including two rim sherds) and 15 assorted metal items. Lead items recovered include one piece of stripping and two pieces of tubing (mend). Brass recovery is limited to one screw ring, one sheeting fragment, and two tubing fragments. Ferrous materials include sheeting (n=1), one piece of wire, a buckle, a rod, three spikes, and one piece of stripping. A rivet and carbon battery core were also found.

Personal Effects. Very few items falling within this category were recovered during excavations. Five tobacco pipe fragments were found (two bowl sherds and three pieces of stem). In addition, one mirrored glass fragment was recovered, as was one milk glass button, a brass cartridge case, and a bone brush fragment.

#### 6.1.2.5 Feature A5

This feature was discovered in Trench A3-1. The feature is rounded, measures roughly 0.18 m by 0.12 m (0.6 ft by 0.4 ft), and extends 0.43 (1.4 ft) into the subsoil (or to a depth of approximately 1.2 m [4 ft]). Soils from this feature were removed and screened separately from the surrounding matrix. Artifact recovery was limited to four unidentifiable nails. Some mortar was also present in the feature fill.

Feature A5 was first noted by the excavator at the interface between the A and B horizons as a small stain of darker soils, however, in profile it appears to begin closer to the surface (Figure 22). This feature may be a recent or historic post hole and mold.

Additional ceramics recovered include one buff-bodied stoneware fragment and five pieces of redware. One redware sherd has a black lead glaze, one a clear lead glaze, and the remaining three are unglazed. One of the pieces appears to be molded.

Container Glass. One hundred and ninety-four container glass fragments were recovered during Feature A4 testing. About 75 percent (n=148) of the glass fragments were found in Trench A4-1. Most of the glass pieces are non-diagnostic body sherds. A summary of glass recovery by color is provided in Table 19.

Table 19. Summary of Container Glass Recovery Associated with Feature A4.

GLASS	COUNT	PERCENTAGE OF TOTAL
Amber	5	3
Dark Green	25	13
Aqua	13	7
Colorless/Clear	102	52
Lavender/Amethyst	14	7
Light Green	4	2
Green	25	13
Opaque	6	3
<b>TOTAL</b>	<b>194</b>	<b>100</b>

Of the 194 pieces recovered, 169 (87 percent) are plain body fragments. The other 25 pieces are as follows: one dark green bottle fragment with embossed lettering (illegible); one dark green bottle base sherd; one dark green "champagne"-style finish fragment; one aqua container finish with a ground top and threaded lip; seven colorless body fragments with embossed texture and lettering (not legible); four colorless container base fragments; four colorless stemware fragments (three foot fragments and one rim fragment); one colorless tumbler rim fragment; two embossed lavender/amethyst container body fragments (one marked "LOUISVILL" and the other "E"); one lavender/amethyst tumbler fragment; one light green bottle neck fragment; and one green finish sherd with a rounded lip.

Floral and Faunal Remains. Numerous faunal remains were recovered from Feature A4 excavations. Mammal bones were recovered in the greatest quantity with 76 pieces found in total. Some of them are charred, many are cut. Most appear to be larger domesticates/livestock such as pig and cow. Fifty-two (68 percent) of the bone fragments were found in Trench A4-1, from 0.43 m to 0.6 m (1.4 ft to 2 ft) below surface. In addition, 10 bivalve shell fragments were found, eight of which appear to be clam. Three bird bones were also recovered.

Architectural Debris. Two hundred and ninety-six architectural debris fragments were discovered in Feature A4 excavations. A summary of findings is provided in Table 20.



*Laboratory Investigations.* Six hundred and eighty-one artifacts were recovered from Feature A4 excavations, and a wide variety of materials was recovered. About 45 percent of the material recovered is architectural debris. A summary of artifact recovery by class is presented in Table 17.

Table 17. Artifact Recovery Associated with Feature A4.

ARTIFACT TYPE	COUNT
Ceramics	70
Container Glass	194
Faunal Remains	89
Architectural Debris	296
House and Hardware	23
Personal Effects	9
Total	681

*Ceramics.* Seventy ceramic sherds were recovered from excavations associated with Feature A4 (excluding ceramic sewer piping and tobacco pipe fragments). A summary of the ceramic recovery is provided in Table 18.

Table 18. Summary of Ceramic Recovery Associated with Feature A4.

CERAMIC TYPE	COUNT	PERCENTAGE OF TOTAL
Hard Paste Porcelain	9	13
White Refined Earthenwares		
Pearlware (Undecorated)	3	4
Whiteware	48	69
Ironstone (Undecorated)	3	4
Hard Bodied Earthenwares		
Rockingham/Bennington	1	1
Coarse Stonewares		
Buff Bodied, Smooth Glazed Stonewares	1	1
Coarse Earthenwares		
Unglazed Redware	3	4
Glazed Redware	2	3
TOTAL	70	(rounding error) 99

Porcelain recovery was limited to undecorated pieces. One fragment is molded, and seven are definitely from hollow-form vessels. Like the porcelain, all three of the pearlware fragments are undecorated. They are fairly small pieces and cannot be linked to a vessel type.

Whiteware, comprising 69 percent of the feature's ceramic assemblage, is more varied in type. Eighteen of the fragments are transferprinted (16 monochrome, two polychrome). All of the transferprinted pieces are from hollow-form vessels and transferprinting is exclusively under glaze. Blue and brown are the most frequently encountered colors on both the monochrome and polychrome ceramic sherds. Two of the whiteware fragments have colored glaze all over the exterior and interior. Remaining pieces are undecorated (three are not glazed) and are approximately evenly distributed between hollow- and flat-form vessels.

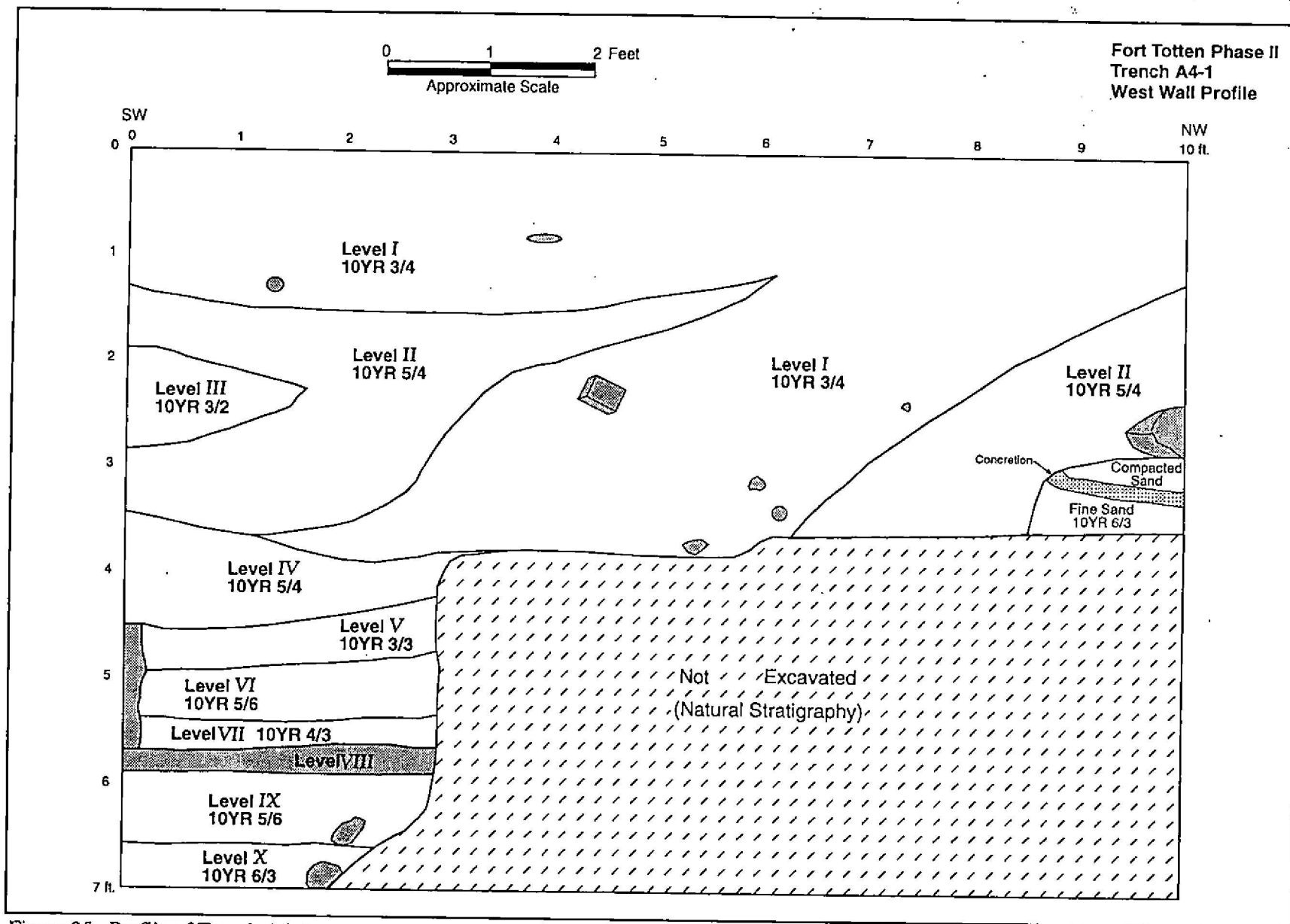


Figure 25. Profile of Trench A4-1.

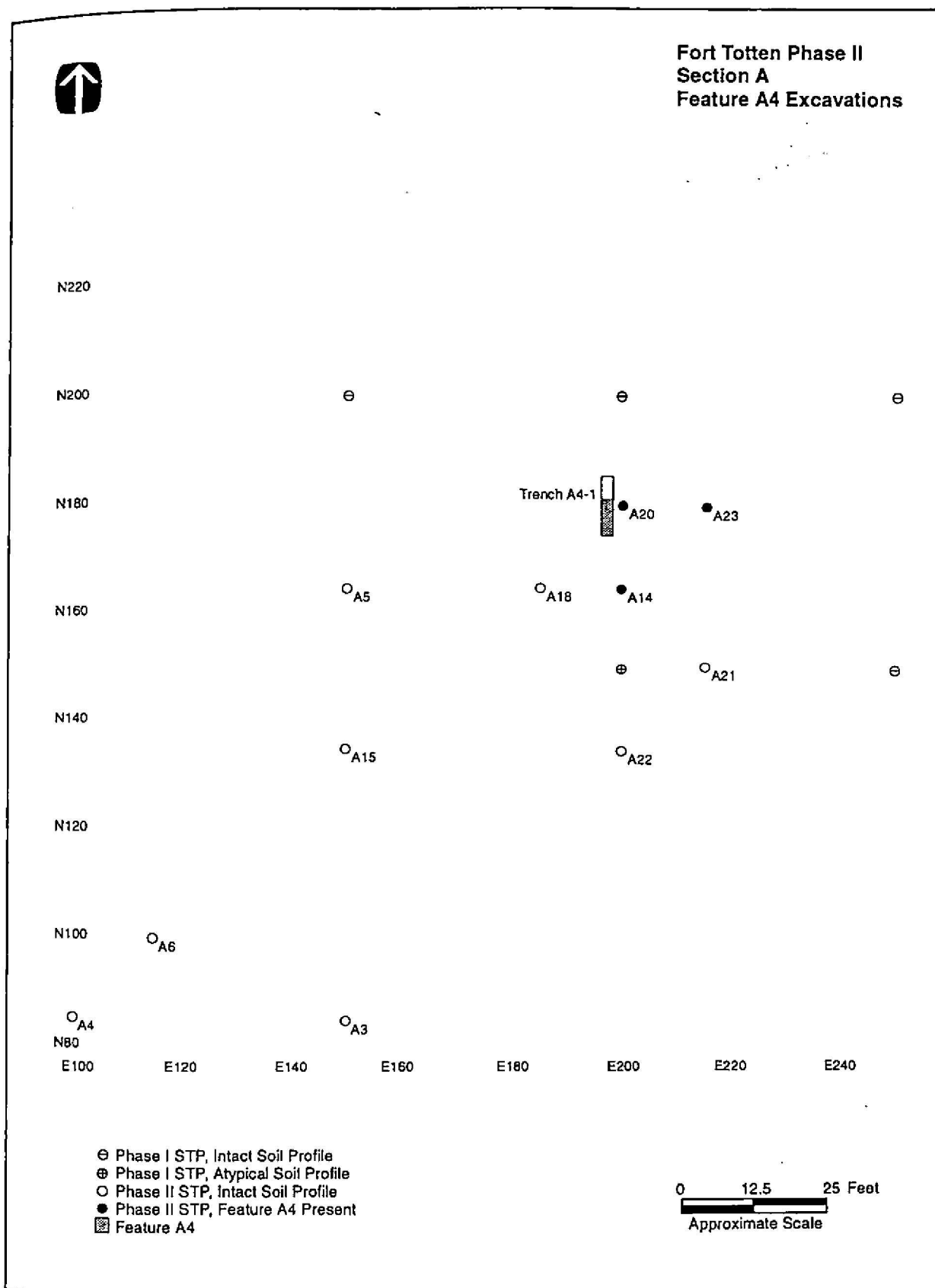


Figure 24. Location of Phase II Excavations Associated with Feature A4.

#### 6.1.2.4 Feature A4

The fourth feature examined in Section A during the Phase II investigation has been designated Feature A4. This feature was originally interpreted as part of Feature A1 during the Phase I work, and was discovered to be a distinct and unique feature later, while shovel testing to define the boundaries of Feature A1. Shovel test pits directly associated with boundary definition of Feature A4 are detailed in Table 16.

Table 16. Shovel Test Pits Excavated During Phase II Investigation of Feature A4.

STP NUMBER	COORDINATES	FIELD DESIGNATION
A3	N 85 E150	A1-3
A4	N 85 E100	A1-4
A5	N165 E150	A1-5
A6	N100 E115	A1-6
A14	N165 E200	A1-14
A15	N135 E150	A1-15
A18	N165 E185	A1-18
A20	N180 E200	A1-20
A21	N150 E215	A1-21
A22	N135 E200	A1-22
A23	N180 E215	A1-23

Through STP excavation, Feature A4 was determined to measure less than 15 m by 15 m (50 ft by 50 ft). Characteristics which define this area as a feature include atypical soil profiles and artifact-bearing strata to depths exceeding 1 m (3 ft). No intact structural remains were identified in any of the STPs excavated during the Phase II. One trench, Trench A4-1 (temporary field designation was A1-2), was excavated within the area. The trench was excavated at (southwest corner coordinates) N175 E196. The trench measured 0.6 m by 3 m (2 ft by 10 ft) with the longer of the two axes being oriented north-south. This trench was placed to examine the northwest feature boundary (Figure 24).

Based on Trench A4-1 excavations, Feature B4 does not appear to be structural in nature. The entire unit was excavated to a depth of 1.2 m (4 ft) below surface. Probing with a split spoon in the northern portion of the trench suggested the presence of intact natural stratigraphy just below the base of excavations. Split spoon testing of the southern portion of the trench, however, suggested displaced soils or feature fill to depths exceeding 1.8 m (6 ft). As such, excavation in the southern portion of the trench continued. Subsoil was reached in the southern portion of the trench at about 2 m (6.5 ft) below surface (Figure 25).

Evident in the profile is a series of fill or depositional episodes, particularly in the southern half of the unit. It seems very likely that this feature is some type of trash pit.

Ceramics. Ceramic recovery was limited to 24 pieces. Seventeen of the 24 are whiteware sherds, including one molded piece, one transferprinted fragment, and one piece with a hand-painted design. This particular piece appears to be burnt. Remaining pieces are undecorated. Two stoneware container fragments were also found. One is a buff-bodied piece with salt glaze and the other is gray with salt glaze and an iron oxide wash. One piece of yellowware and three pieces of unglazed redware were also found.

Container Glass. Container glass recovery was limited to 29 pieces. Color distribution is summarized in Table 15.

Table 15. Summary of Container Glass Recovery in the Area of Feature A3.

GLASS	COUNT	PERCENTAGE OF TOTAL
Brown	8	28
Amber	2	9
Dark Green	1	3
Aqua	4	14
Colorless/Clear	5	17
Lavender/Amethyst	1	3
Light Green	1	3
Green	4	14
Other	3	10
TOTAL	29	(rounding error) 101

All pieces except four are non-diagnostic body sherds. Those which are not body sherds are obviously modern, and include one brown threaded lip fragment, one brown fragment embossed "Budweiser," and two light green Coca Cola bottle fragments.

Floral and Faunal Remains. Four unidentifiable mammal bones and one shell fragment were recovered.

Architectural Debris. Included in this group are nine aqua window glass fragments, 28 cut nail fragments, 18 unidentifiable nail fragments, and a piece of brick.

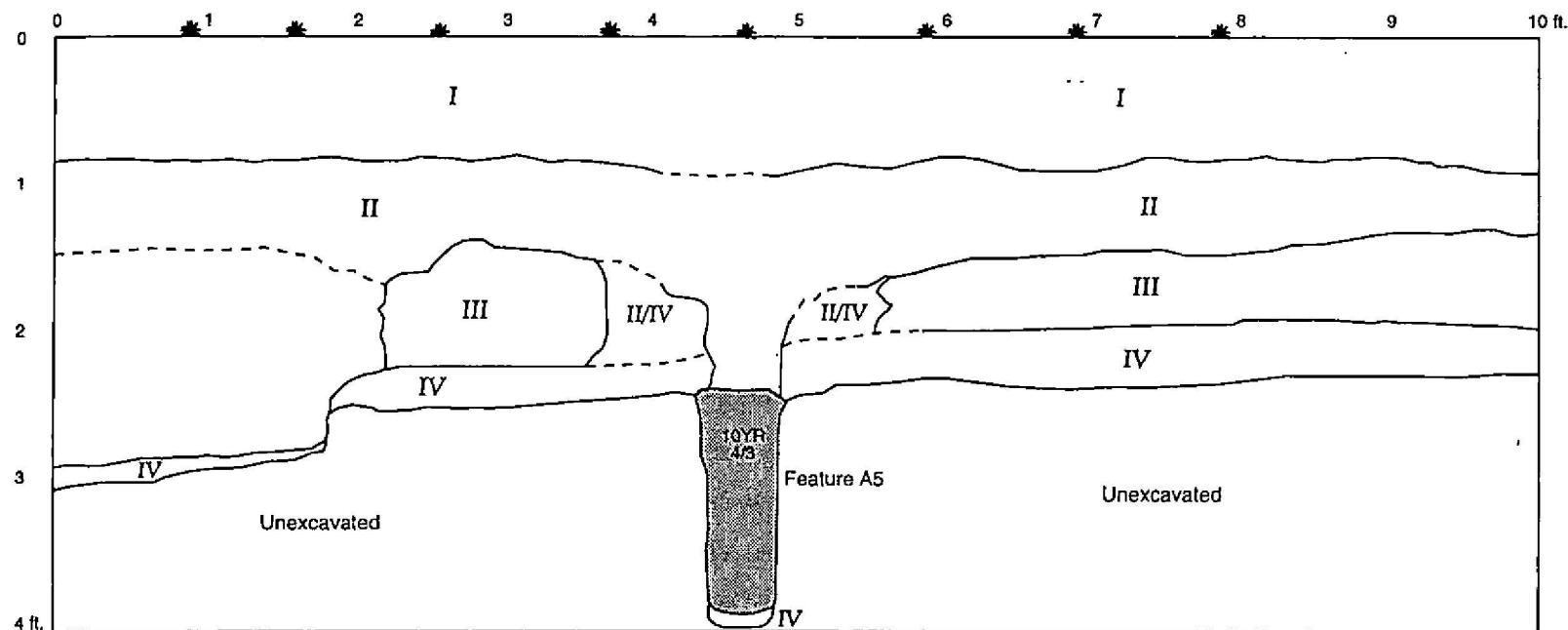
House and Hardware. One possible piece of furniture glass was recovered. The piece is flat and aqua with beveled edges. Other items found are limited to one metal retaining ring, one silver-colored split ring, a two-link segment of an iron chain, one piece of ferrous wire, and one piece of ferrous stripping.

Personal Effects. One whole undecorated kaolin tobacco pipe bowl was recovered.

Other. One piece of plastic, a mechanical pencil part, and a 1988 penny were found during excavations.



Fort Totten Phase II  
Trench A3-1  
West Wall Profile



- Zone I 10YR 3/3 Silt Loam  
 Zone II 10YR 4/3 Silt Loam with some 10YR 4/6 mottling (about 15 percent)  
 Zone III 10YR 4/3 Silt Loam (Buried A)  
 Zone IV 10YR 4/6 Silt Loam (subsoil)  
 Zone II/IV 10YR 4/6 Silt Loam with some 10YR 4/3 mottling (5-10 percent)

0 0.5 1 Feet  
 Approximate Scale

Figure 23. Profile of Trench A3-1.

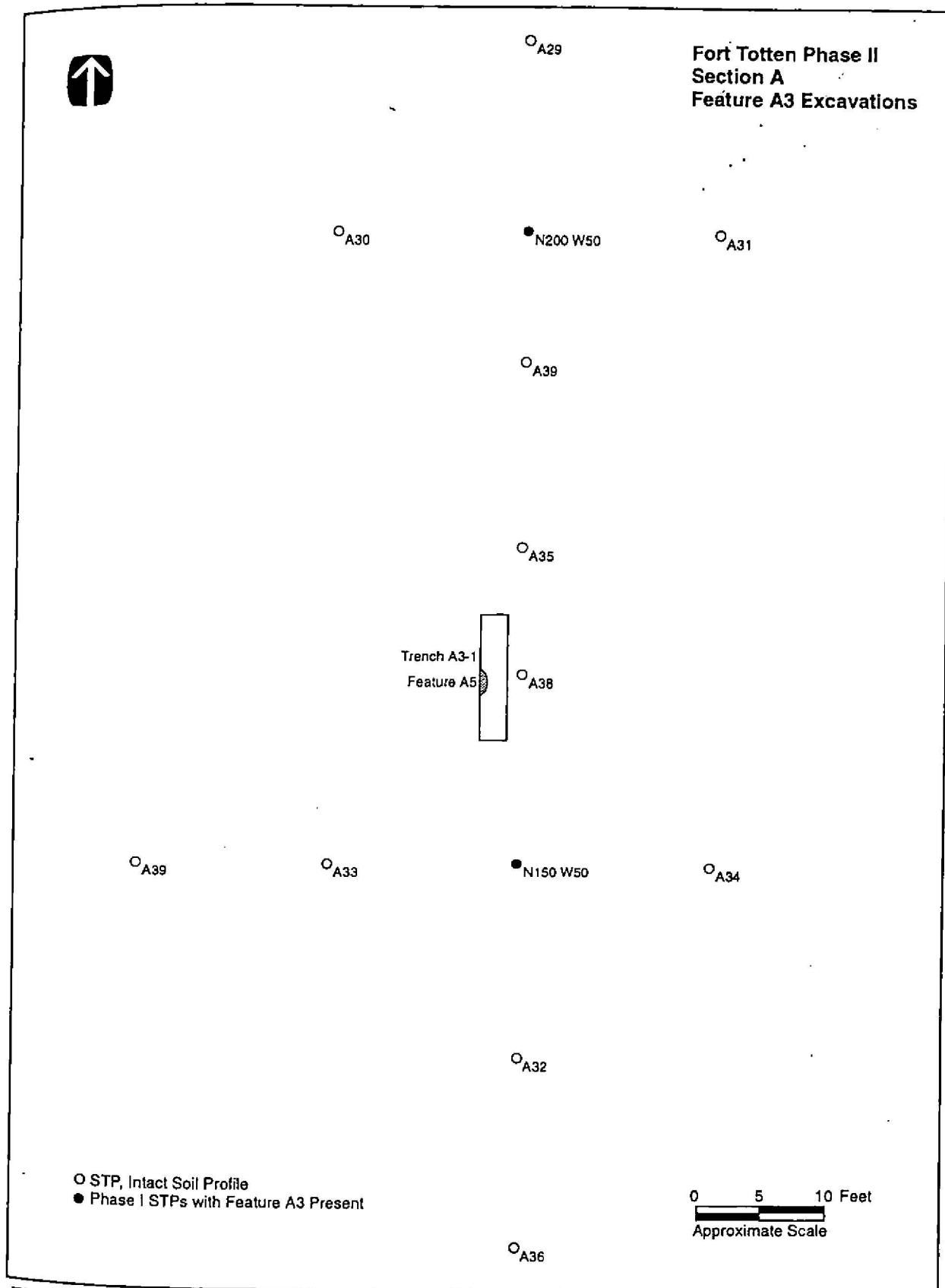


Figure 22. Location of Phase II Excavations Associated with Feature A3.

A total of eleven STPs was excavated around Feature A3 as part of the Phase II investigation. These STPs were placed on the grid as established during the Phase I survey. Each STP was given a unique number and set of coordinates based on its position relative to the datum. A listing of each STP, the temporary field designation, and coordinates is provided in Table 13.

Table 13. Shovel Test Pits Excavated During Phase II Investigation of Feature A3.

STP NUMBER	COORDINATES	FIELD DESIGNATION
A29	N215 W 50	A3-1
A30	N200 W 65	A3-2
A31	N200 W 35	A3-3
A32	N135 W 50	A3-4
A33	N150 W 65	A3-5
A34	N150 W 35	A3-6
A35	N175 W 50	A3-7
A36	N120 W 50	A3-8
A37	N150 W 80	A3-9
A38	N165 W50	A3-10
A39	N190 W 50	A3-11

No structural remains were identified in any of the Phase II STPs. The soil profiles suggest that what was originally perceived to be a feature was in fact displaced A soils or fill overlying, in some cases, an intact A horizon (plowed). One of the STPs (A38) did contain some mortar and badly decayed rock, so a trench was excavated adjacent to the positive STP. This trench, designated Trench A3-1, was located at N160 W53 (southwest corner coordinates) (Figure 22). The excavated trench measured 3.04 m by 0.6 m (10 ft by 2 ft) with the longer axis running north-south. This unit contained no intact structural remains and the only feature discovered during excavation was a small possible post feature that may in fact have been root or rodent disturbance (designated Feature A5) (Figure 23). Soil disturbance, as identified during the Phase I as Feature A3, is likely associated with either the construction or demolition of the structures that once stood to the south (Features A1 and A2).

*Laboratory Investigations.* Excavations in this area yielded 124 artifacts (plus four nails discovered in Feature A5). A summary of those items recovered is provided in Table 14.

Table 14. Artifact Recovery Associated with Excavations in the Area of Feature A3.

ARTIFACT TYPE	COUNT
Ceramics	24
Container Glass	29
Faunal Remains	5
Architectural Debris	55
House and Hardware	6
Personal Effects	1
Other	3
TOTAL	123

Based on the recovery of these items and the exposure of part of Feature A2 in Trench A2-1, it is likely that similar construction methods were used for Features A1 and A2. The presence of cut nails suggests a mid- to late- 19th century construction date.

House and Hardware. Included in this category are lamp chimney glass fragments and miscellaneous metal objects. These items have very little interpretive value. A summary of hardware items recovered in association with Feature A2 is provided in Table 12.

Table 12. Summary of Hardware Item Recovery Associated with Feature A2.

HARDWARE ITEM	COUNT	PERCENTAGE OF TOTAL
Lamp Chimney Glass	117	84
Sheeting Fragment (Lead)	4	3
Tubing (Brass)	3	2
Spike	4	3
Ferrous Screw	1	<1
Unidentifiable Ferrous Material	11	8
<b>TOTAL</b>	<b>140</b>	<b>(rounding error) 101</b>

One hundred and six of the lamp chimney fragments were recovered from Trench A2-1, Level 7. All the fragments are colorless and the count represents 96 body fragments and ten rim fragments.

Personal Effects. Falling under this category are kaolin tobacco pipe fragments, clothing and jewelry items, and arms-related items. One tobacco pipe fragment was recovered from fill overlying Feature A2. The artifact is an undecorated rim fragment.

Three clothing buttons were also recovered during excavations associated with Feature A2. This includes one whole milk glass button, the shank and shank plate only to a brass button, and the front part of a U.S. military button with an eagle insignia. Buttons of this type were manufactured from 1854 to 1902 (Albert 1976). One small metal watch part was also recovered, as was a fabric portion of a shoe with seven eyelets. Finally, a lead bullet with a very deep groove was encountered, as was a .45-caliber brass cartridge case.

Other. One gray chert flake recovered from Feature A2 fill was found during the excavation of Trench A2-1. It was found in Level 3, about 0.6 m (2 ft) above the intact cement floor. Other artifacts recovered falling under this category are modern coins (pennies, nickels, dimes, and quarters were found, ranging in date from 1945 to 1982) and modern garbage (five pieces of plastic were found, as was a garden hose fragment).

### 6.1.2.3 Feature A3

During the Phase I investigation of the Fort Totten, a feature (designated A3) was discovered in the southern portion of the Parade Grounds (Section A). Feature A3 consists of two adjacent STPs (STP 77 at N150 W50 and STP 79 at N200 W50) spaced at 50 ft, that produced cultural material to depths exceeding 1 m. Many of the artifacts dated to the 19th century and as such, additional testing was conducted in the area to determine the extent and nature of the deposit.

The remaining 54 pieces of container glass recovered in excavations associated with Feature A2 are fairly nondescript. No whole bottles or other containers were found. Colorless and lavender/amethyst glass account for 10 percent (n=15) of the total container glass recovered and 28 percent of container glass recovered from proveniences other than Trench A2-1, Level 7. Included within the colorless and lavender glass category are two stemware body sherds, one with etched decoration; two "patent lip" fragments (one each colorless and lavender); and 11 body sherds. Remaining glass fragments found include four brown pieces, seven amber, four dark green, 16 aqua, four light green, three green, and one opaque white piece. All of these items are non-diagnostic body fragments. Table 10 provides a summary for glass recovery associated with Feature A2.

Table 10. Summary of Container Glass Recovery Associated with Feature A2.

GLASS	COUNT	PERCENTAGE OF TOTAL
Brown	4	3
Amber	7	5
Dark Green (Includes 71 Pieces Ricketts-Type)	75	48
Aqua	42	27
Colorless (Includes Two Stemware Fragments)	11	7
Lavender/Amethyst	4	3
Light Green	8	5
Green	3	2
White Opaque	1	1
<b>TOTAL</b>	<b>155</b>	<b>(rounding error) 101</b>

One modern metal pull tab from a beverage can was also recovered from excavations associated with Feature A2. The item was found in the modern root mat portion of Trench A2-1.

Floral and Faunal Remains. Artifact recovery falling under this category includes four bivalve fragments, a fish bone, and one nutshell fragment.

Architectural Debris. This artifact category includes window glass, masonry material, nails, and utility piping. Approximately 39 percent (n=232) of the total artifact recovery for Feature A2 falls within this category. A summary of architectural debris recovered is provided in Table 11.

Table 11. Summary of Architectural Debris Recovery Associated with Feature A2.

ARCHITECTURAL DEBRIS	COUNT	PERCENTAGE OF TOTAL
Window Glass	68	29
Brick Fragments (Sample Only)	5	2
Cut Stone (Sample Only)	1	<1
Plaster (Sample Only)	3	1
Cut Nails	54	23
Unidentifiable Nails	99	43
Sewer Pipe (Sample Only)	2	<1
<b>TOTAL</b>	<b>232</b>	<b>100</b>

Table 9. Summary of Ceramic Recovery Associated with Feature A2.

CERAMIC TYPE	COUNT	PERCENTAGE OF TOTAL
Hard Paste Porcelain	6	13
White Refined Earthenwares		
Whiteware	26	57
Ironstone (Undecorated)	3	7
Hard Bodied Earthenwares		
Refined Redware (Unglazed)	1	2
Coarse Earthenwares		
Unglazed Redware	8	17
Buff Earthenware, Black Lead Glaze	1	2
Buff Earthenware, Albany Slip	1	2
<b>TOTAL</b>	<b>46</b>	<b>100</b>

Porcelain recovery can be divided between two groups, plain and decorated. All three of the plain pieces are body sherds. Flat and hollow forms are represented (one of each) and the remaining sherd is unidentifiable as to vessel type. The decorated porcelain sherds are all hand-painted, underglaze (blue) and all are from flat-form vessels.

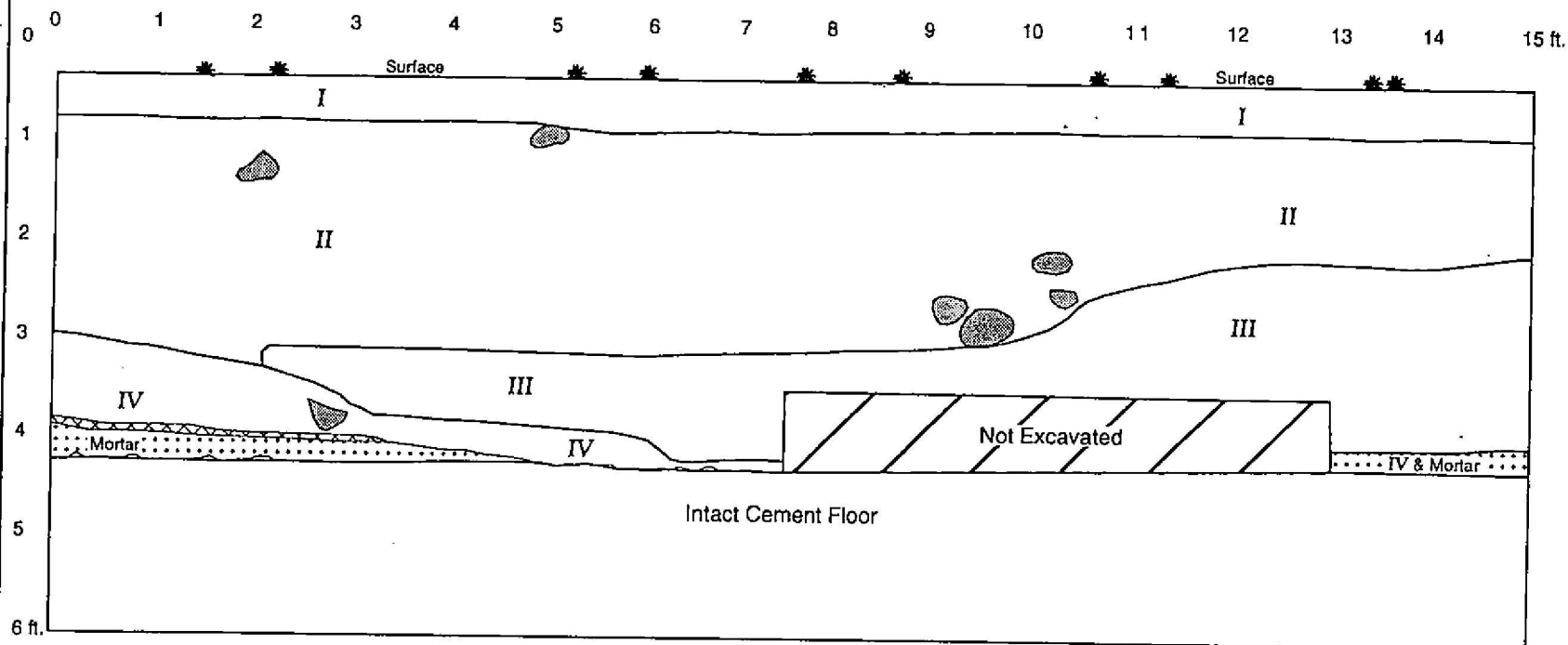
Over 50 percent of the ceramics recovered are refined white earthenware fragments—26 pieces of whiteware and three pieces of ironstone. Both hollow- and flat-vessel forms are represented. All but two of the whiteware and ironstone fragments are undecorated. One whiteware sherd recovered has a blue transferprinted design (underglaze). The other piece, found in Level 7 of Trench A2-1, appears to be from a small hollow vessel. It is green on the interior and has a mottled brown and greenish-yellow hand-painted exterior surface treatment. In addition, the piece is molded.

Seven of the nine redware pieces are from hollow-form vessels and may be flower pot fragments. The other coarse earthenware fragments appear to be from large vessels (such as storage crocks) or may, in fact, be piping.

Container Glass. One hundred and fifty-five container glass fragments were found during Feature A2 investigations. One hundred and one (65 percent) of these glass sherds were recovered from Trench A2-1, Level 7. This level is a mortar layer lying directly on top of the intact cement structural floor. These glass artifacts are very likely associated with the occupation of the structure. Seventy-one of the pieces are from Ricketts-type bottles, including five base sherds (two of which mend); 65 body sherds; and one finish exhibiting a tooled rounded lip with a V-tooled string rim. All of the Ricketts pieces are olive green. Ricketts molds were used from 1820 to 1920 (Jones et al. 1989). Four of the glass pieces recovered from this provenience are light green in color and one of the light green pieces is embossed "CHAS CULDEN - NEW YORK." Rounding out container glass recovery from Level 7 of Trench A2-1 is a collection of aqua glass, including 24 body sherds and two base sherds. One of the base fragments is embossed "E.L.8." Bottles of American manufacture with embossed lettering and inscriptions were generally manufactured between 1869 and 1903 (Polak 1997).



Fort Totten Phase II  
Trench A2-1  
West Wall Profile



Zone I 10YR 3/1 Very Dk Gray Fine Sandy Silt Loam - Modern root mat containing a mix of artifacts including recent coinage

Zone II Mottled fill 10YR 4/3 brown predominant w/10YR 5/6 yellowish brown with an overall gritty Silt Clay Loam containing glass, brick, coal, and assorted artifacts

Zone III Mottled fill 10YR 5/6 yellowish brown predominant w/10YR 4/3 mottles containing similar artifacts to Zone II becoming more compact w/depth & a platy black structure

Zone IV 10YR 4/2 Dark grayish brown Sandy Silt Loam with a blocky structure and artifact concentration at base of level (Interface w/mortar zone)



Mortar zone: A very loose white mortar overlaying cobble/cement floor containing numerous broken inarticulated bricks along the south wall (within 1.0 ft) and Zone IV soils are mixed w/the coal and brick fragments



Sand Lens just above the mortar 10YR 6/4 light yellowish brown (pure sand)



Cement floor with cobbles protruding, north exposure appears much more smoother and flat

0 1 2 Feet  
Approximate Scale

Figure 21. Profile of Trench A2-1.

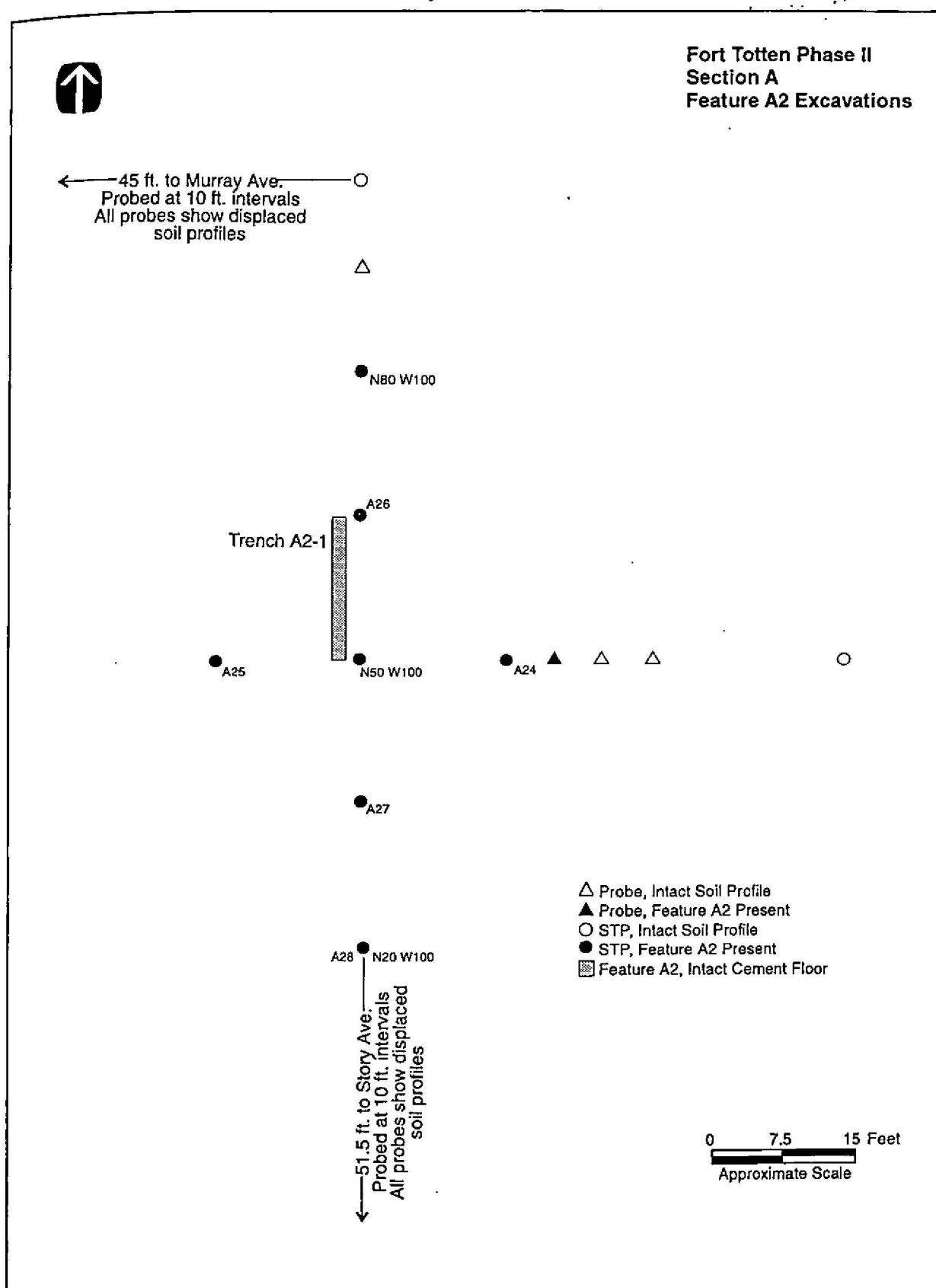


Figure 20. Location of Phase II Excavations Associated with Feature A2.

of the ground disturbance discovered during the Phase II may, in fact, be associated with road improvements and the placement of utility lines, especially water/sewer lines.

One trench, designated Trench A2-1, was excavated to investigate Feature A2. It was placed at N50 W102.5 (southwest corner coordinates). The trench measured 5 m (15 ft) by 0.5 m (1.5 ft), with the longer axis oriented north-south. The purpose of the unit was to identify the northern boundary of the structural remains, assess the integrity of the deposit, and recover artifacts for use in site dating and interpretation (Figure 20).

Unit excavation did not expose the north structural wall. The profile of the northernmost STP was misinterpreted as intact during shovel testing. The profile in fact, reflected the deposition of clean fill in the area, so similar to the local area soils that it was very likely of local origin. As such, all of Trench A2-1 fell within the interior portion of a former structure/foundation remnant. What was uncovered was an intact floor. It is made of poured cement/concrete with very fine gravel aggregate. The floor was discovered at 1.28 m (4.2 ft) below surface. It was overlain at the top by a series of fill episodes and was then directly covered with a thin layer of mortar. The mortar was found in association with disarticulated bricks and brick fragments (Figure 21).

*Laboratory Investigations.* Numerous artifacts were recovered from the excavations associated with Feature A2. This includes kitchen or food-related items such as ceramics, container glass, and faunal remains; architectural or structural debris such as nails, window glass, stone, mortar, and brick fragments; miscellaneous hardware such as metal stripping and sheeting; household artifacts like lamp chimney glass; and personal effects such as tobacco pipe fragments, clothing buttons, and arms-related items. A brief summary of artifact recovery by class is provided in Table 8.

**Table 8. Artifact Recovery Associated with Feature A2.**

ARTIFACT TYPE	COUNT
Ceramics	46
Container Glass	155
Faunal Remains	6
Architectural Debris	232
House and Hardware	140
Personal Effects	8
Other	15
<b>TOTAL</b>	<b>602</b>

Ceramics. Forty-six of the artifacts recovered from excavations associated with Feature A2 are ceramics fragments. Most of these are tableware sherds. A summary of ceramic recovery is provided in Table 9.

portion of the structure, in Level 2. This level is interpreted as a post-occupational fill episode, although the soils are undoubtedly local. Other household and hardware items recovered are primarily non-diagnostic.

Personal Effects. Very few personal items were found during the testing. Three kaolin tobacco pipe fragments were recovered, as was a kaolin bead. Clothing-related items are limited to one molded black glass button. A lead bullet rounds out the personal effects list for Feature A1.

Other. One clay ball in a plastic state was recovered from Level 4 of Trench A1-1. It was found in the interior portion of the foundation around the area where the sewer pipe was added to the building.

#### 6.1.2.2 Feature A2

During the Phase I investigation of Fort Totten, a feature (designated A2) was discovered in the southwestern portion of the Parade Grounds (Section A). It was discovered in STP 74 at N50 W100, and was not apparent in any of the adjacent STPs (which were excavated on a 15-m [50-ft] grid). As such, the size of the feature was inferred to be less than 100 ft<sup>2</sup> in size.

The feature, described as an impenetrable layer of brick and mortar, was discovered between 0.66 m and 0.99 m (1.8 ft and 3 ft) below surface. No artifacts were recovered during the testing to lend insight to the temporal affiliation or function of the feature. It is located near the intersection of Story and Murray Avenues and as such, it was considered possible that the remains were associated with a guard station or sentry post which are common at street intersections on military installations.

*Field Investigations.* During the Phase II investigation, a total of five STPs was excavated to more tightly define the boundaries of Feature A2, examine the deposit's integrity, and recover artifacts capable of lending insight to the feature's temporal affiliation and function. These STPs were placed on the grid as established during the Phase I survey. Each STP was given a unique number and set of coordinates based on its position relative to the datum. A listing of each STP, the temporary field designation, and coordinates is provided in Table 7.

Table 7. Shovel Test Pits Excavated During Phase II Investigation of Feature A2.

STP NUMBER	COORDINATES	FIELD DESIGNATION
A24	N 50 W 85	A2-1
A25	N 50 W115	A2-2
A26	N 65 W100	A2-3
A27	N 35 W100	A2-4
A28	N 20 W100	A2-5

Through shovel testing, an area of localized ground disturbance measuring approximately 30.48 m (100 ft) by 26 m (85 ft) (792 square m [8,500 square ft]), was discovered in the location of Feature A2. It is located at the extreme southwest corner of the Parade Grounds (Section A) at the intersection of Story and Murray Avenues. Some

finishing techniques described are generally associated with later 19th-century manufacture.

Floral and Faunal Remains. Five bivalve shell fragments were discovered in association with Feature A1.

Architectural Debris. Sixty-three percent of all material recovered in excavations associated with Feature A1 fall into this broad category. Table 5 summarizes architectural debris recovered in this area.

Table 5. Summary of Architectural Debris Recovery Associated with Feature A1.

ARCHITECTURAL DEBRIS	COUNT	PERCENTAGE OF TOTAL
Window Glass	66	28
Cut Nails	134	56
Unidentifiable Nails	37	15
Putty	3	1
TOTAL	240	100

All window glass recovered during excavations is aqua in color. Pane thickness variations are minimal. Cut nails indicate a 19th-century construction. Brick and mortar, ever present during excavation, were noted on paperwork rather than retained.

House and Hardware. Included in this category are items such as furniture hardware, lighting fixtures, and miscellaneous hardware. Unidentifiable metal objects also fall within this category. A summary of house and hardware items recovered in association with Feature A1 is provided in Table 6.

Table 6. Summary of House and Hardware Item Recovery Associated with Feature A1.

HOUSE AND HARDWARE ITEM	COUNT	PERCENTAGE OF TOTAL
Light Bulb Fragment	1	3
Ink Bottle Fragment	2	6
Upholstery Tack	1	3
Wire (Ferrous)	4	13
Wire (Unidentified)	1	3
Sheeting Fragment (Ferrous)	9	28
Sheeting Fragment (Lead)	9	28
Stripping (Lead)	1	3
Stripping (Unidentified)	1	3
Tubing (Metal)	1	3
Tubing (Brass)	1	3
Spike	1	3
TOTAL	32	(rounding error) 99

The possible light bulb fragment was recovered from Level 1 of an STP (A16) north of the feature and is therefore potentially unrelated. One of the ink bottle fragments is a base sherd from an umbrella-type bottle, and is green in color. This artifact was recovered from Trench A1-1 excavations, exterior to the foundation in what was probably the contemporary A horizon. This artifact dates to the middle part of the 19th century. The other ink well fragment is ceramic, gray-bodied stoneware with an iron oxide wash. Only the rim was recovered and the artifact was found in the interior

**Table 4. Summary of Container Glass Recovery Associated with Feature A1.**

GLASS	COUNT	PERCENTAGE OF TOTAL
Brown	6	12
Amber	3	6
Dark Green	5	10
Aqua	6	12
Colorless/Clear	17	35
Lavender/Amethyst	3	6
Light Green	3	6
Green	3	6
Other Opaque	1	2
Other	2	4
<b>TOTAL</b>	<b>49</b>	<b>(rounding error) 99</b>

Basic glass production generally results in brown, amber, dark green, and aqua glass. Glass of these colors has been manufactured in the U.S. since the 17th century and is still produced today. These colors are common for beverages and storage containers with brown and dark green being the preferred glass colors for wine and other liquids affected by light. The combined total recovery associated with Feature A1 for these glass colors is 40 percent (n=20).

Colorless or clear glass is a desired effect and its manufacture is dependent upon the deliberate addition of certain elements to the ingredients. It is the preferred color for food storage containers. As such, colorless container glass is relatively rare on sites dating before the 1860s. Manganese oxide is one element that can be added during the glass manufacturing process to create colorless or clear glass. Glass made with manganese oxide has a tendency to turn lavender or amethyst when exposed to sunlight. This technique was common in the U.S. during the last quarter of the 19th century and the first of the 20th (Deiss 1981). About 40 percent of the glass recovered from excavations at Feature A1 is either colorless or lavender.

The remaining 20 percent of glass recovered is divided among green, light green, opaque, and other. Falling under the "other" category is one piece of a recent Coca Cola bottle. Green and light green glass is achieved by adding sulfur to the glass during the manufacturing process. Tin or zinc is generally added to create opaque glass. Opaque glass can date to the 18th century however these items, with the exception of the Coke bottle fragment, are interpreted as late 19th-century container fragments.

Beyond color, other attributes associated with container glass include mold seams, lip and neck finishes, and lettering and decoration. Only four of the 49 container glass fragments possessed distinguishing physical characteristics other than color. These are: (1) an amber finish fragment with an applied rim; (2) a lavender finish fragment with a patent lip; (3) a brown Perry Davis-type finish fragment; and (4) a colorless finish fragment with a flanged lip. Perry Davis finishes have a rounded lip with a rounded or flat top. They generally have a down-tooled, rounded, or V-shaped string rim. The name designation derives from Perry Davis Vegetable Painkiller bottles, as they generally possess the previously described attributes. These finishes are fairly common on patent and medicine bottles and date to the late 19th and early 20th centuries. Other



Pearlware is the oldest diagnostic artifact associated with Feature A1. This type of ceramic was perfected in 1779 and production continued until the 1840s although it's popularity began to decline around 1820. All four of the pieces recovered are plain (undecorated) which was commonly produced from 1780 to 1830. All four pieces were also recovered from Trench A1-1, at depths of less than 0.75 m (2.5 ft) below surface (Level 2). While two pieces were recovered from what would be the exterior of the structure and two from the would-be interior, all four were found in fill or displaced soils and cannot be definitively linked with the former structure and it's occupation or use.

Whiteware, which was considered to be an improvement of pearlware, accounted for over 60 percent of the ceramic assemblage associated with Feature A1. This ware has been manufactured since ca. 1810 with increased popularity from the 1830s through the 19th and 20th centuries. Two of the pieces recovered are transferprinted (blue), underglaze.

One Rockingham/Bennington ceramic sherd was found during investigations of Feature A1. This ceramic type, characterized by a yellowish buff paste and a mottled brown exterior, was popular from 1840 through the 1890s, with peak popularity falling in the 1870s (Alexandria Archaeology n.d.). The fragment recovered was found in Trench A1-1, Level 4, in a soil and mortar matrix near the base of unit excavations (approximately 1.06 m [3.5 ft] below surface). The base of excavations in this case is the intact cement floor of Feature A1. As such, this find is judged to be in context.

Three fragments of buff-bodied, smooth-glazed stoneware were found in Feature A1 excavations. Ceramics of this type were manufactured from the 1840s through 1920. Four pieces of coarse earthenware were also recovered. One of the four is an unglazed redware flower pot fragment and the remaining three are heavy buff-colored sherds with a clear lead glaze. This ceramic type has been assigned a date range of 1850 to 1870 (Alexandria Archaeology n.d.). One of these pieces was found in a fill episode with little integrity. The other two were found in what may have been the A horizon contemporary with the occupation of Feature A1. All three pieces were encountered during Trench A1-1 excavations.

Container Glass. Forty-nine non-architectural glass fragments were found during Feature A1 investigations. Most of this material appears to be utilitarian-type storage containers and bottle glass. One metal bottle closure was also recovered. No whole bottles or other containers were found. Assigning dates and types to glass fragments is somewhat difficult when recovery is limited to non-diagnostic pieces.

Color is one attribute somewhat helpful in container glass analysis. A summary of glass recovery (by color) associated with Feature A1 is provided in Table 4.

*Laboratory Investigations.* Numerous artifacts were recovered from the excavations associated with Feature A1. This includes kitchen or food-related items such as ceramics, container glass, and faunal remains; architectural or structural debris such as nails, window glass, stone, mortar, and brick fragments; miscellaneous hardware such as metal stripping and sheeting; household artifacts like upholstery tacks and lamp chimney glass; and personal effects such as tobacco pipe fragments, clothing buttons, and arms-related items. A brief summary of artifact recovery by class is provided in Table 2.

Table 2. Artifact Recovery Associated with Feature A1.

ARTIFACT TYPE	COUNT
Ceramics	44
Container Glass	49
Faunal Remains	5
Architectural Debris	240
House and Hardware	32
Personal Effects	6
Other	1
<b>TOTAL</b>	<b>377</b>

*Ceramics.* Eight different types of ceramics were recovered from excavation units associated with Feature A1. All of the pieces recovered are fragments of tablewares (both flat and hollow forms are represented) or storage crocks with the exception of one unglazed redware flower pot fragment. Refined white earthenwares represent 77 percent of the ceramics recovered (n=34). Several different wares fall within this broad category including undecorated pearlware, whiteware, and ironstone. Two pieces of porcelain were also found. Remaining ceramics recovered include one Bennington fragment, three coarse stoneware fragments, and three buff-bodied coarse earthenware fragments.

Table 3. Summary of Ceramic Recovery Associated with Feature A1.

CERAMIC TYPE	COUNT	PERCENTAGE OF TOTAL
Hard Paste Porcelain	2	5
White Refined Earthenwares		
Pearlware (Undecorated)	4	9
Whiteware	27	61
Ironstone (Undecorated)	3	7
Hard Bodied Earthenwares		
Rockingham/Bennington	1	2
Coarse Stonewares		
Buff Bodied, Smooth Glazed Stonewares	3	7
Coarse Earthenwares		
Unglazed Redware	1	2
Buff Earthenware, Clear Lead Glaze	3	7
<b>TOTAL</b>	<b>44</b>	<b>100</b>

One of the porcelain fragments recovered has a hand-painted (underglaze) decoration. The other porcelain fragment is undecorated. In general terms, American porcelain manufacture can be dated from ca. 1825 to present. The industry was well established by the 1880s.

0 1 2 Feet  
Approximate Scale

Fort Totten Phase II  
Trench A1-1  
Profile North Wall and  
Plan View at Base of Excavations

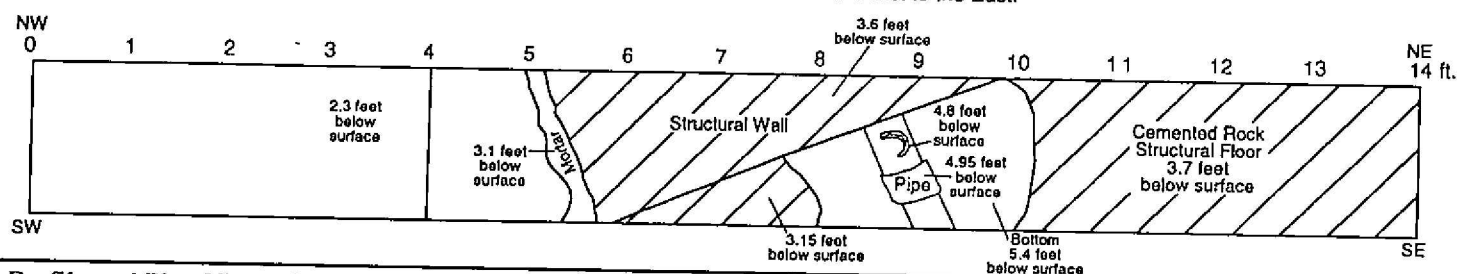
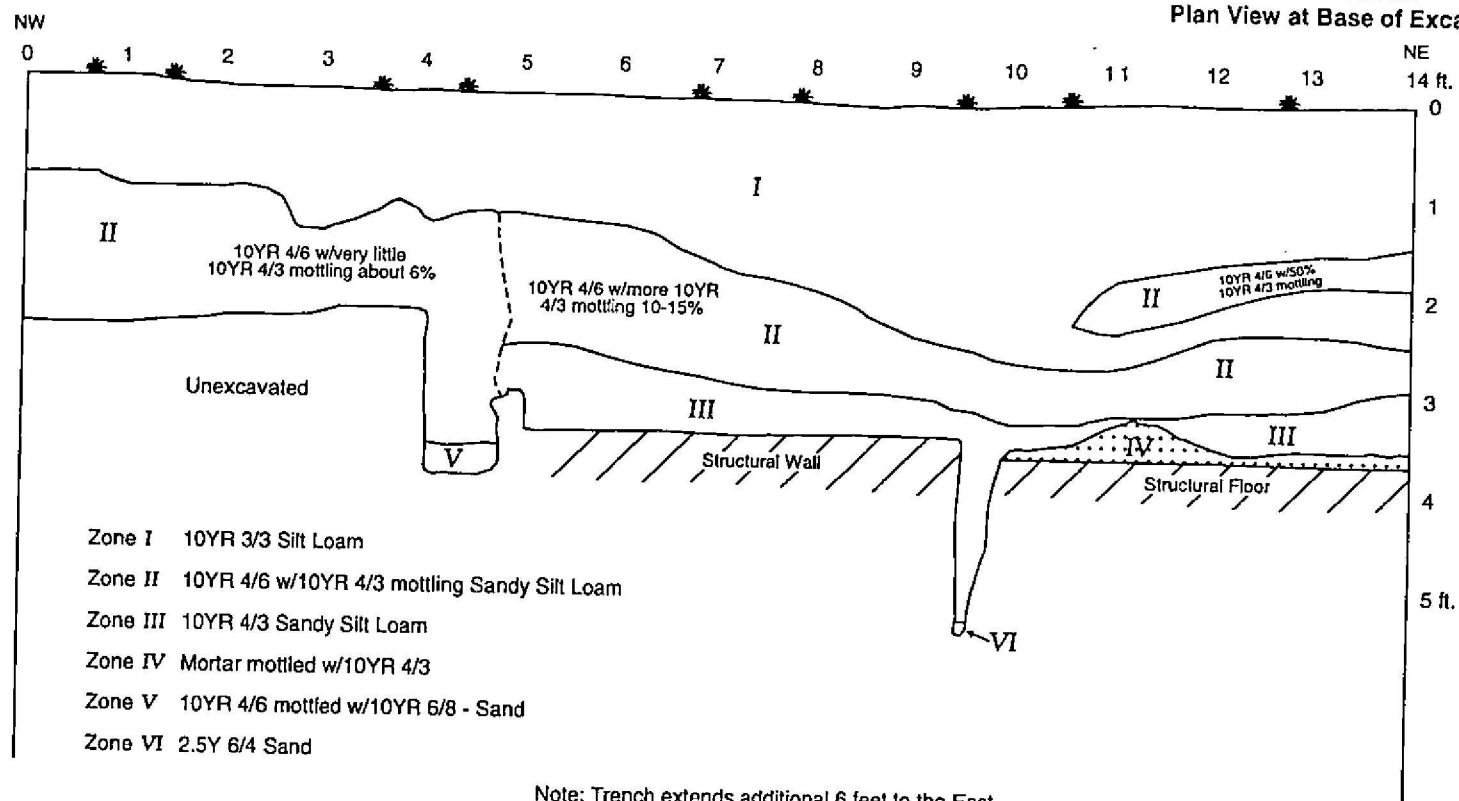


Figure 19. Profile and Plan View of Trench A1-1.

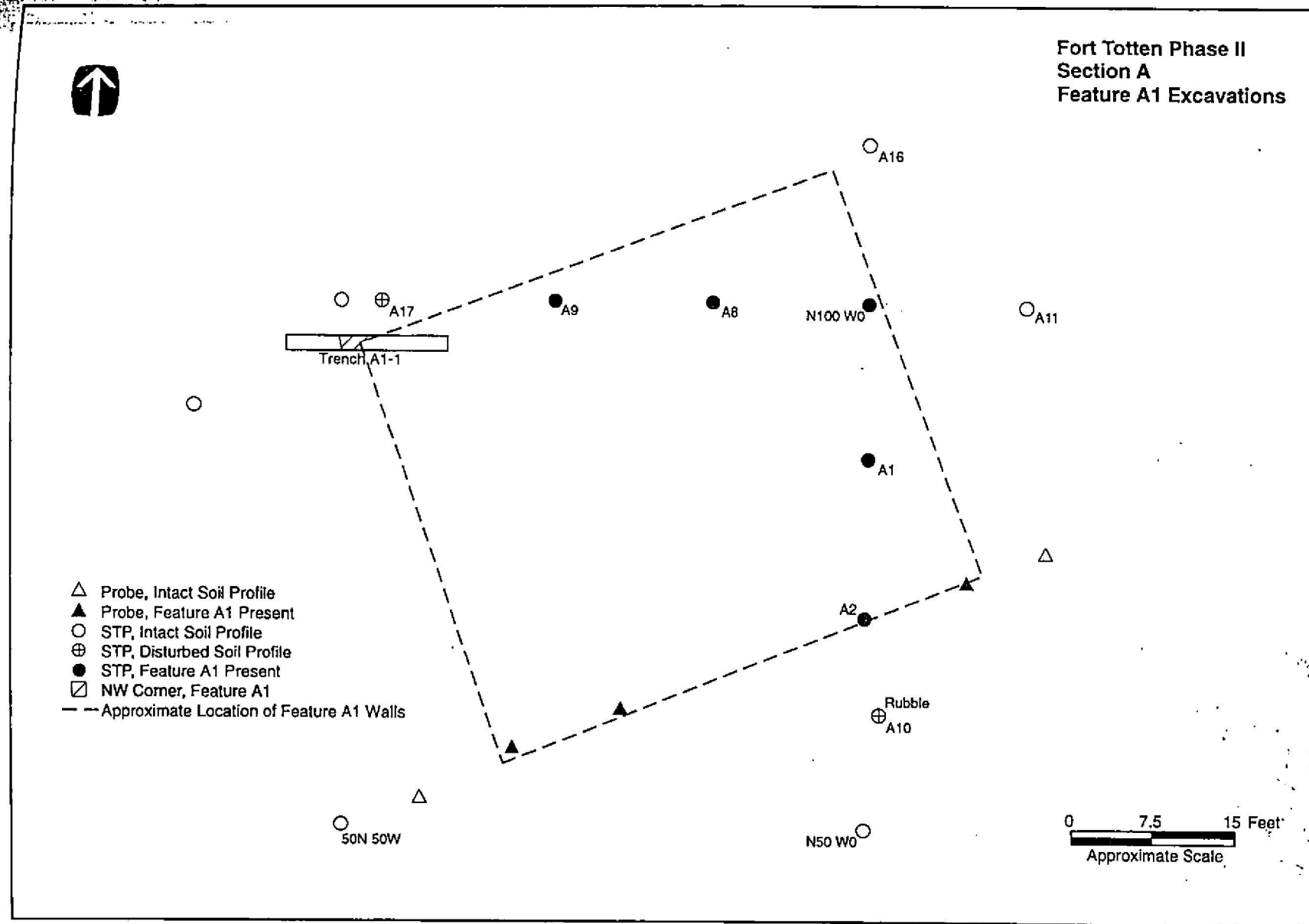


Figure 18. Location of Phase II Excavations Associated with Feature A1.

Table 1. Shovel Test Pits Excavated During Phase II Investigation of Feature A1.

STP NUMBER	COORDINATES	FIELD DESIGNATION
A1	N 85	A1-1
A2	N 70	A1-2
A7	N150 W 15	A1-7
A8	N100 W 15	A1-8
A9	N100 W 30	A1-9
A10	N 60	A1-10
A11	N100 E 15	A1-11
A12	N135	A1-12
A13	N185	A1-13
A16	N115	A1-16
A17	N100 W 45	A1-17

Through STP excavation, Feature A1 was determined to be a building foundation remnant, at least partially intact. Part of a floor (brick, mortar, and cement) was exposed in STP A1 at approximately 1 m (3 ft) below surface. The excavation of STP A2 exposed part of a wall at 0.54 m (1.8 ft) below surface in the southern portion of the STP and intact flooring was discovered in the northern portion of the STP at 0.82 m (2.7 ft) below surface. Based on soil profile comparisons from Phase II STPs and probing, Feature A1 covers an area roughly 18.3 m by 18.3 m (60 ft by 60 ft).

One trench (Trench A1-1) was excavated to explore Feature A1. The southwest corner of the excavation unit was placed on the grid at N95 W55. The unit measured 5 m by 0.5 m (15 ft by 1.5 ft), with the longer of the two axes running east-west. The unit was placed and excavated with the goal of testing the western boundary of Feature A1; assessing the integrity of the feature; and recovering artifacts useful in site interpretation and analysis (Figure 18).

The northwest corner of the foundation remnant was exposed in Trench A1-1 (Figure 19). Walls were encountered at below surface depths of 1.1 m (3.6 ft [north wall]) and 0.96 m (3.15 ft [west wall]). A portion of the floor is apparently intact as well, and was identified and exposed at 1.13 m (3.7 ft) below surface. The walls are constructed of stone and mortar and are 0.6 m (2 ft) thick. The floor is cement. At the northwest corner of the foundation, a large hole is punched through the cement floor and through the stone wall to accommodate a sewer/water pipe. Apparently, plumbing was added to this structure some time after construction. Based on what was revealed in Trench A1-1 and STP A2, the north and south walls of the structure roughly parallel Story Avenue (which lies to the south of the foundation), suggesting that the road and building were contemporary. The road is not present on the 1866 map (Figure 5). Combining information retrieved from the STPs and Trench A1-1, the building foundation itself appears to measure approximately 10.67 m (35 ft) north-south by 16.76 (55 ft) east-west.

STPs excavated in association with STP 59 were negative (sterile) except for the west radial which produced one piece of historic green container glass. Radials excavated around STP 83 yielded more artifacts. The northern radial (designated 83rN) produced two pieces of metal—one cut nail fragment and one small piece of ferrous sheeting. The east radial (83rE) yielded one aqua window glass fragment and one solarized bottle finish with a folded-out lip. The south radial (83rS) produced two pieces of aqua window glass, two mending clam shell fragments, and one Rockingham/Bennington ceramic fragment. The clam shell fragments are not interpreted as prehistoric artifacts. Finally, the west radial (83rW) produced one aqua window glass fragment, one brown bottle glass fragment, and one cut nail. No prehistoric material was recovered in association with the quartz flake fragment discovered during the Phase I.

The north and east radials excavated around STP 93 were positive. The east radial (93rE) produced one molded whiteware rim fragment and one cut nail. One argillite flake was recovered from Level 3 (0.24 to 0.43 m [0.8 to 1.4 ft]) below surface of the north radial. As such, abutting STPs were excavated to the north, east, and west of the positive at 5-m (15-ft) intervals to test site boundaries. None of these STPs produced any cultural material.

#### 6.1.2 Section A: Historic Investigations

Three historic features were identified during the Phase I investigation of Section A. This includes a dense concentration of rock rubble and 19th-century artifacts discovered in seven adjacent STPs (designated Feature A1); a level of brick and mortar present in one STP (Feature A2); and atypical soil profiles in two adjacent STPs, both of which yielded numerous 19th-century artifacts (Feature A3) (Bienenfeld and Leininger 1998).

##### 6.1.2.1 Feature A1

Feature A1 was discovered in the southern portion of the parade ground and was present in STPs excavated at grid coordinates N100, N150, N100 E50, N100 E100, N150 E150, and N150 E200. The feature, composed of a dense concentration of cobbles and angular rock (possibly structural) and numerous 19th-century artifacts, was originally interpreted as being associated with Camp Morgan, the earliest military occupation of the tract. Because no structural remains were identified in situ during the Phase I investigation, it was thought that the stones may have been used in the construction of temporary camps or hutments, and the integrity of the deposit had likely been compromised by later military construction and disturbance.

*Field Investigations.* During the Phase II investigation, 11 STPs were excavated to more tightly define the boundaries of Feature A1, examine the deposit's integrity, and recover artifacts capable of lending insight to the feature's temporal affiliation and function. These STPs were placed on the grid as established during the Phase I survey. Table 1 provides a listing of those STPs excavated in association with Feature A1.



green fragments exhibit any noteworthy design or decoration. One piece of opaque white glass was recovered. It is rounded and frosted on the concave surface. This piece may be something decorative and may not be part of a storage container.

Floral and Faunal Remains. Nine unidentifiable mammal bones and five bivalve shell fragments were recovered during excavations.

Architectural Debris. Seventy-eight percent of the architectural debris recovered associated with Feature B1 is nails (n=145). Aqua window glass represents 17 percent of the assemblage (n=32). A summary of architectural debris recovered is provided in Table 24.

Table 24. Summary of Architectural Debris Recovery Associated with Feature B1.

ARCHITECTURAL DEBRIS	COUNT	PERCENTAGE OF TOTAL
Window Glass	32	17
Cut Stone (Sample Only)	1	<1
Wire Nails	2	1
Cut Nails	57	31
Unidentifiable Nails	86	46
Tar (Sample Only)	2	1
Putty	1	<1
Sewer Pipe (Sample Only)	4	2
<b>TOTAL</b>	<b>185</b>	<b>100</b>

House and Hardware. Fifteen items fall within this category. Ferrous materials recovered from excavations at Feature B1 include a bolt, a screw, one washer, one piece of stripping and seven unidentifiable fragments. Also recovered were two pieces of pewter sprue and one lead sprue. Sprue is a waste byproduct of metal casting. Finally, one piece of unidentifiable metal sheeting was found.

Personal Effects. One kaolin tobacco pipe stem fragment was recovered from TU B1-1 in Level 1.

Other. This category includes one quartzite flake, found in Trench B1-2, Level 4, at 0.55 m to 0.64 m (1.8 ft to 2.1 ft) below surface. Also included in this category are two pieces of slag, one piece of coal, and a carbon battery core.

#### 6.2.2.2 Feature B2

Another potential structural feature was discovered in the northwest corner of Section B, again, very close to Weaver Avenue. It was discovered in STP 31 at W150 S100. Attributes of this feature, as discovered during the Phase I investigation, include a dense concentration of disarticulated stones, brick, and mortar with a few 19th-century artifacts. Additional testing was recommended for this feature based on potential association with the Civil War Period hospital complex or a later officer's quarters.

*Field Investigations.* Excavations conducted during the Phase II investigation of Feature B2 consisted of seven STPs, a 1-m<sup>2</sup> (3-ft<sup>2</sup>) test unit, and two 5 m by 0.5 m (15 ft by 1.5 ft trenches) (Figure 29). A portion of the east structural wall was exposed while testing the location of the prehistoric isolates in Section B. The seven additional STPs were used to isolate an area of soil disturbance/displacement associated with this foundation remnant. This area measures roughly 15 m by 15 m (50 ft by 50 ft). Trenches were then placed to expose a cross-section of both the east (Trench B2-1) and south (Trench B2-2) portions of the foundation. The test unit (TU B2-3) was excavated adjacent to Trench B2-2, mainly because it was necessary to have a wider workspace to excavate to the base of the foundation. Stone rubble was quite dense in Trench B2-2 and many of the rocks were wider than the excavation unit (0.5 m [1.5 ft]). In each case, intact portions of walls were exposed as were interior and exterior portions of the feature (Figures 30 and 31).

The foundation is constructed of a combination of stone, brick, mortar and cement. In all excavation units, it was exposed 0.45 m to 0.6 m (1.5 to 2 ft) below surface. Based on excavations, the former structure did not have an excavated basement, as the foundation stones are set into the subsoil by no more than 0.6 m (2 ft). A large ceramic sewer drainpipe was exposed in Trench B2-1. It parallels the east structural wall at a distance of less than 0.3 m (1 ft). Fill in the trenches included architectural debris, burnt wood and ash, and artifacts related to historic foodways and personal effects.

*Laboratory Investigations.* Numerous artifacts were discovered in excavations associated with Feature B2. About 60 percent of the artifacts recovered fall under the architectural debris category, which included nails, masonry materials, window glass, and utility piping. A summary of artifact recovery by type is provided in Table 25.

**Table 25. Artifact Recovery Associated with Feature B2.**

ARTIFACT TYPE	COUNT
Ceramics	38
Container Glass	101
Floral and Faunal Remains	14
Architectural Debris	276
House and Hardware	12
Personal Effects	19
<b>TOTAL</b>	<b>460</b>

Ceramics. Falling under this category are 38 pieces of non-architectural and non-tobacco pipe ceramic fragments. White refined earthenwares account for almost 80 percent of the assemblage (n=30). Ceramic recovery is summarized in Table 26.

Fort Totten Phase II  
Section B  
Feature B2 Excavations

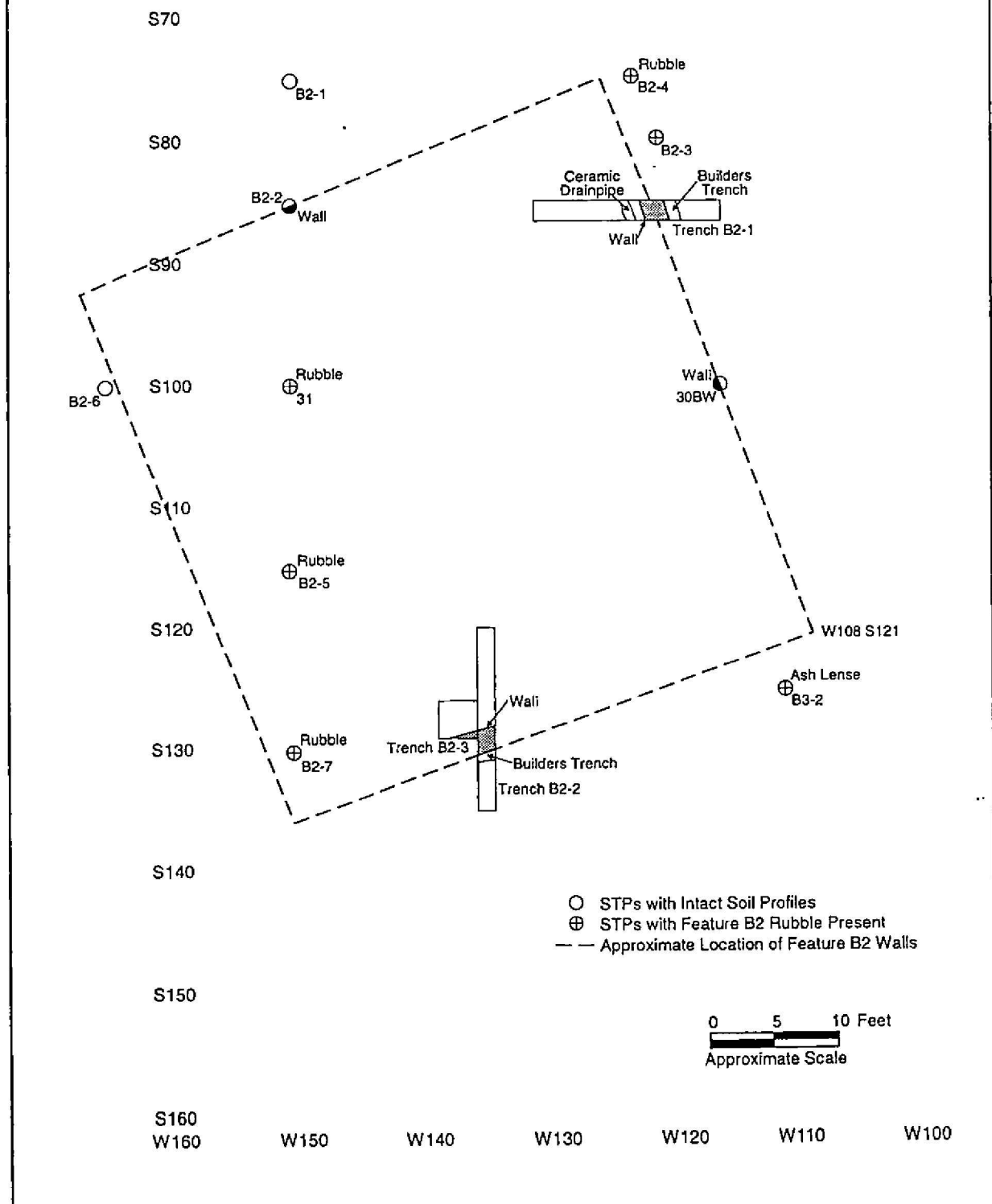


Figure 29. Location of Phase II Excavations Associated with Feature B2.

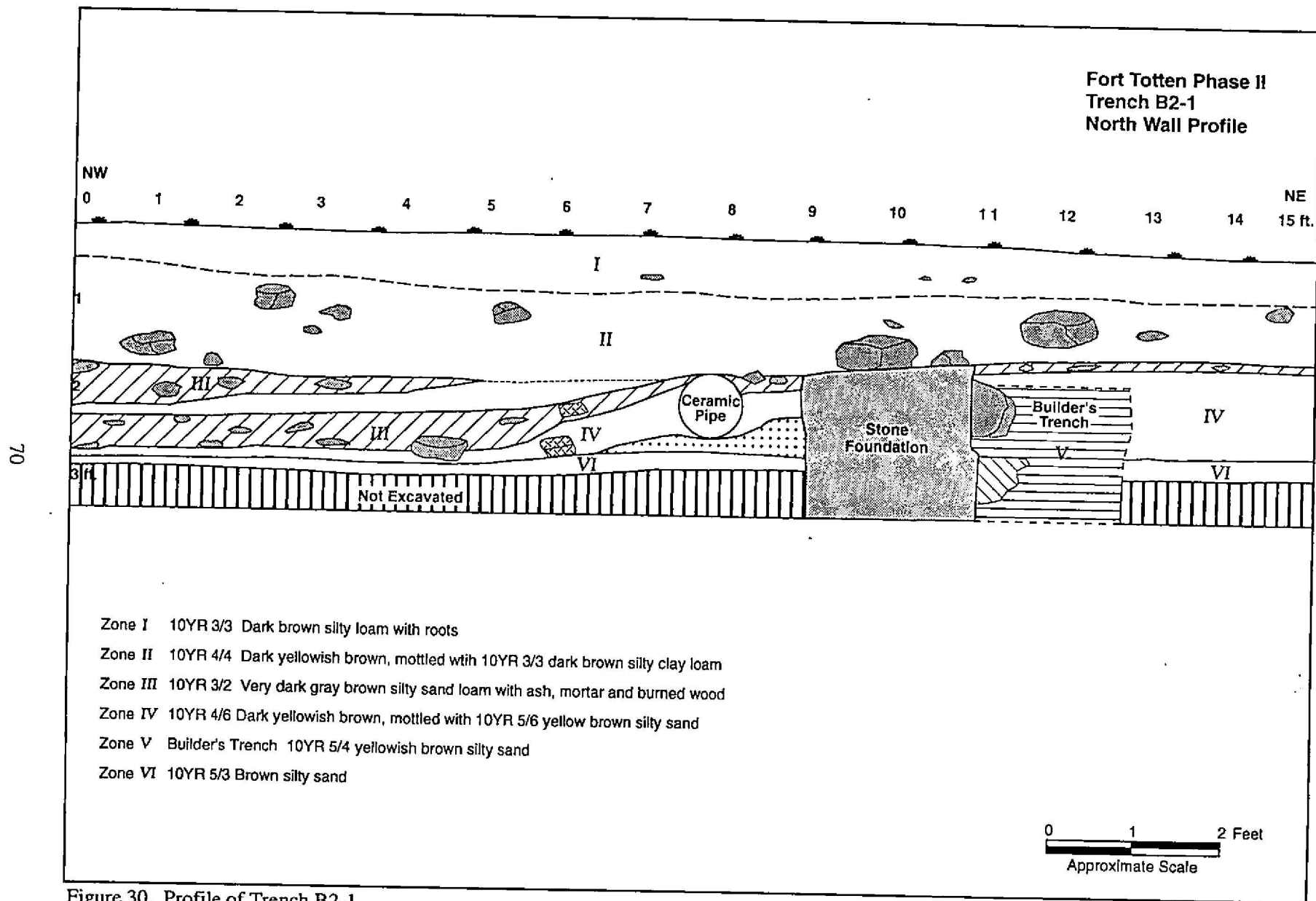
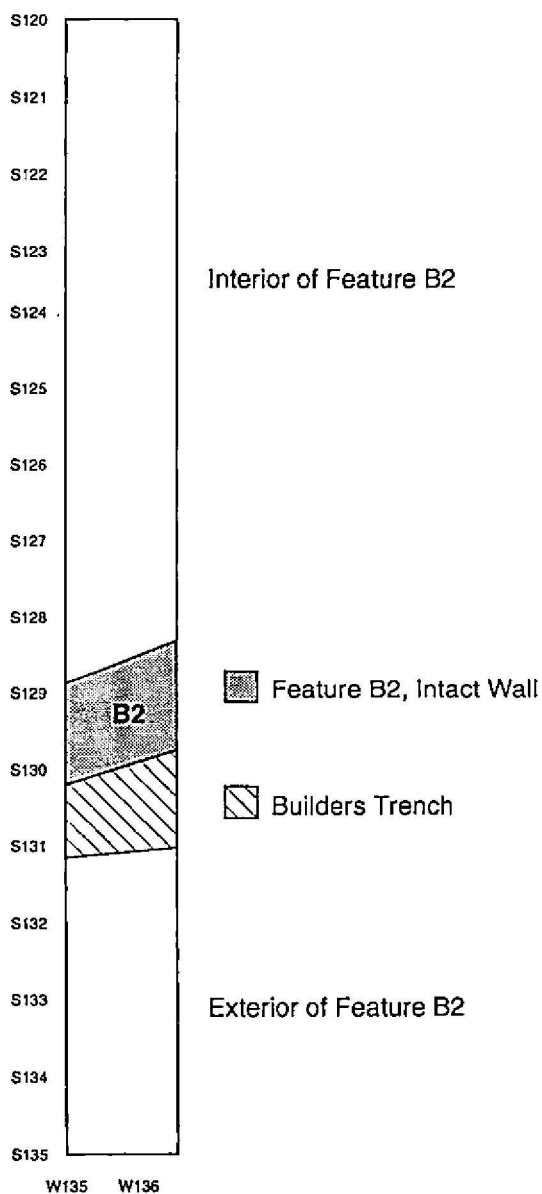


Figure 30. Profile of Trench B2-1.



Fort Totten Phase II  
Trench B2-2  
Plan View



0 1.25 2.5 Feet  
Approximate Scale

Figure 31. Plan View of Trench B2-2.

Table 26. Summary of Ceramic Recovery Associated with Feature B2.

CERAMIC TYPE	COUNT	PERCENTAGE OF TOTAL
Hard Paste Porcelain	3	8
White Refined Earthenwares		
Whiteware	22	58
Ironstone (Undecorated)	8	21
Coarse Earthenwares		
Unglazed Redware	3	8
Buff Earthenware Unglazed	2	5
TOTAL	38	100

One of the porcelain sherds recovered is part of a 7.5-cm (3-in) tea cup. The sherd includes the base, handle, and rim. Of the two remaining porcelain sherds, one appears to be from a plate or other flat vessel. The third sherd recovered is very small. All three pieces are undecorated although one is molded. Twenty-two whiteware fragments were recovered. Two of the pieces are transferprinted, the rest are undecorated. The vessel types of thirteen of the fragments can be determined, with six being from flat and seven from hollow types. Seven of the eight ironstone fragments recovered are from hollow-form vessels and all eight pieces are undecorated. One of the fragments is molded. The five remaining ceramic sherds recovered include three pieces of unglazed redware and two unglazed buff-bodied earthenware sherds.

Container Glass. Ninety-seven pieces of container glass were recovered from Feature B2 excavations. The distribution of glass by color is provided in Table 27.

Table 27. Summary of Container Glass Recovery Associated with Feature B2.

GLASS	COUNT	PERCENTAGE OF TOTAL
Brown	10	10
Amber	10	10
Dark Green	10	10
Aqua	19	19
Colorless	23	23
Lavender/Amethyst	13	13
Light Green	8	8
Green	8	8
TOTAL	101	(rounding error) 101

Nine of the ten brown glass fragments recovered are plain body sherds and one is a base sherd. All of the amber glass fragments are body sherds. Dark green glass recovery includes three mending base fragments from a mamelon-type bottle; six body fragments; and one finish fragment with a tooled lip and string rim. Aqua glass recovery includes two embossed body fragments, one reading, "LOUIS KEF..." and the other marked, "SN..." "NE..." Remaining aqua glass fragments include both base (n=2) and body (n=15) sherds, all plain. Of the 19 aqua pieces found, three are burnt or melted.

Colorless glass was the most frequently recovered type in Feature B2 excavations. Twenty-three pieces were found. This includes one enameled fragment, three cross-mending pharmacy-lip fragments, and one piece with an engraved design (this may be stemware). Remaining pieces are plain and undecorated, although two are melted. In



addition, 13 pieces of solarized colorless glass (lavender) were recovered. Eleven of these fragments are plain and one piece has a molded or cut diamond design. Also found was a complete lavender glass bottle stopper. The green and light green sherds recovered (n=16) are all plain body fragments.

Floral and Faunal Remains. Ten bivalve fragments, two mammal bones, and two pieces of charred wood were found in Feature B2 excavations. One of the mammal bones recovered is a cut vertebrae.

Architectural Debris. This category includes masonry materials, nails, and glass. A total of 276 pieces of architectural debris was recovered in excavations associated with Feature B2. Nails represent over 50 percent of the assemblage. A summary of architectural debris recovered is provided in Table 28.

Table 28. Summary of Architectural Debris Recovery Associated with Feature B2.

ARCHITECTURAL DEBRIS	COUNT	PERCENTAGE OF TOTAL
Window Glass	96	35
Wire Nails	20	7
Cut Nails	133	48
Unidentifiable Nails	19	7
Brick (Sample Only)	3	1
Tile	2	1
Sewer Pipe (Sample Only)	3	1
<b>TOTAL</b>	<b>276</b>	<b>100</b>

All of the window glass is aqua and pane thickness differences are minimal. Most of the nails/nail fragments are cut as opposed to wire nails. Brick was found in abundance in the test unit and trenches, but only samples were retained. The possible tile fragments are unglazed buff-bodied earthenware. The sewer pipe fragments are earthenware as well, with a clear lead glaze.

House and Hardware. Twelve items fall within this category. This number includes one ceramic bisqued figurine fragment and two pieces of colorless lamp chimney glass. Remaining items are metal and include two pieces of brass (one is a retaining collar, the other unidentifiable) and seven ferrous items. Ferrous material recovery includes a screw, a screw hook, plating, sheeting, stripping and unidentifiable items.

Personal Effects. Nine tobacco pipe fragments were recovered. Eight are kaolin and one is terra cotta. Five of the kaolin pieces are bowl fragments, two of which are molded, one is rouletted, and two are plain. Remaining pieces are stem fragments.

Several clothing related items were found as well. This category includes two milk glass buttons (white). One is complete and the other is a rim fragment. A shoe horn was also found. Three military uniform adornments were also found. One is a brass U.S. Army Corps of Engineers pin (which depicts the Corps Castle), one is an Adjutant General's pin (stars and bars shield), and the other is indeterminate. A drafting compass and pen or pencil clip were also recovered.

Rounding out recovery for this category are two brass cartridge cases (one .22 caliber).

### 6.2.2.3 Feature B3

During the Phase I survey of Section B, brick, nails, mortar, and burnt wood were identified in association with cut stones at a depth of 1.42 m (4.65 ft) below surface in STP 33 (W100 S150). This collection of architectural material was given the designation Feature B3. Like Feature B2, additional testing was recommended in this area based on potential association with the Civil War hospital complex or a later officer's quarters. Feature B3 was discovered approximately 21.3 m (70 ft) southeast of Feature B2 although any association between the two was left undetermined.

*Field Investigations.* Two test units (Trench B3-1 and Test Unit B3-2) and six STPs (numbered B1-1 through B1-6) were excavated to investigate Feature B3 (Figure 32). Shovel test pits were used to determine the boundaries of soil disturbance associated with the feature (particularly the southern and western boundaries), and the units were excavated to check the stratigraphic integrity. The north and east structural walls are apparent on the ground surface. Feature size, as indicated by STP excavation is approximately 18 m by 10 m (60 ft by 30 ft). One of the units (Trench B3-1) was excavated to expose the southern boundary of Feature B3. It was located at S170 W95 (southwest corner coordinates). The trench measured 5 m by 0.5 m (15 ft by 1.5 ft) and was oriented with the longer of the two axes running north-south.

No intact structural remains were identified in Trench B3-1, although the boundary between intact and disturbed soil profiles was exposed. The southern portion of the unit contained intact soils, with the subsoil present at about 0.45 m (1.5 ft) below surface. The northern half exhibited soil disturbance to a depth of about 1.5 m (5 ft) (Figure 33). In profile, it appears that the portion of Feature B3 exposed is a stepped builder's trench. Based on probing, the south wall of feature B3 is located one to two feet north of Trench B3-1's north wall.

Test Unit B3-2 was placed in the northeast corner of Feature B3, largely to expose a portion of the foundation, which was not done in Trench B3-1. The unit measured 1.52 m by 1.52 m (5 ft by 5 ft). Unit excavation exposed the northeast corner of the foundation, which contained a stone platform covered on top by a single layer of mortared bricks (Figures 34 and 35).

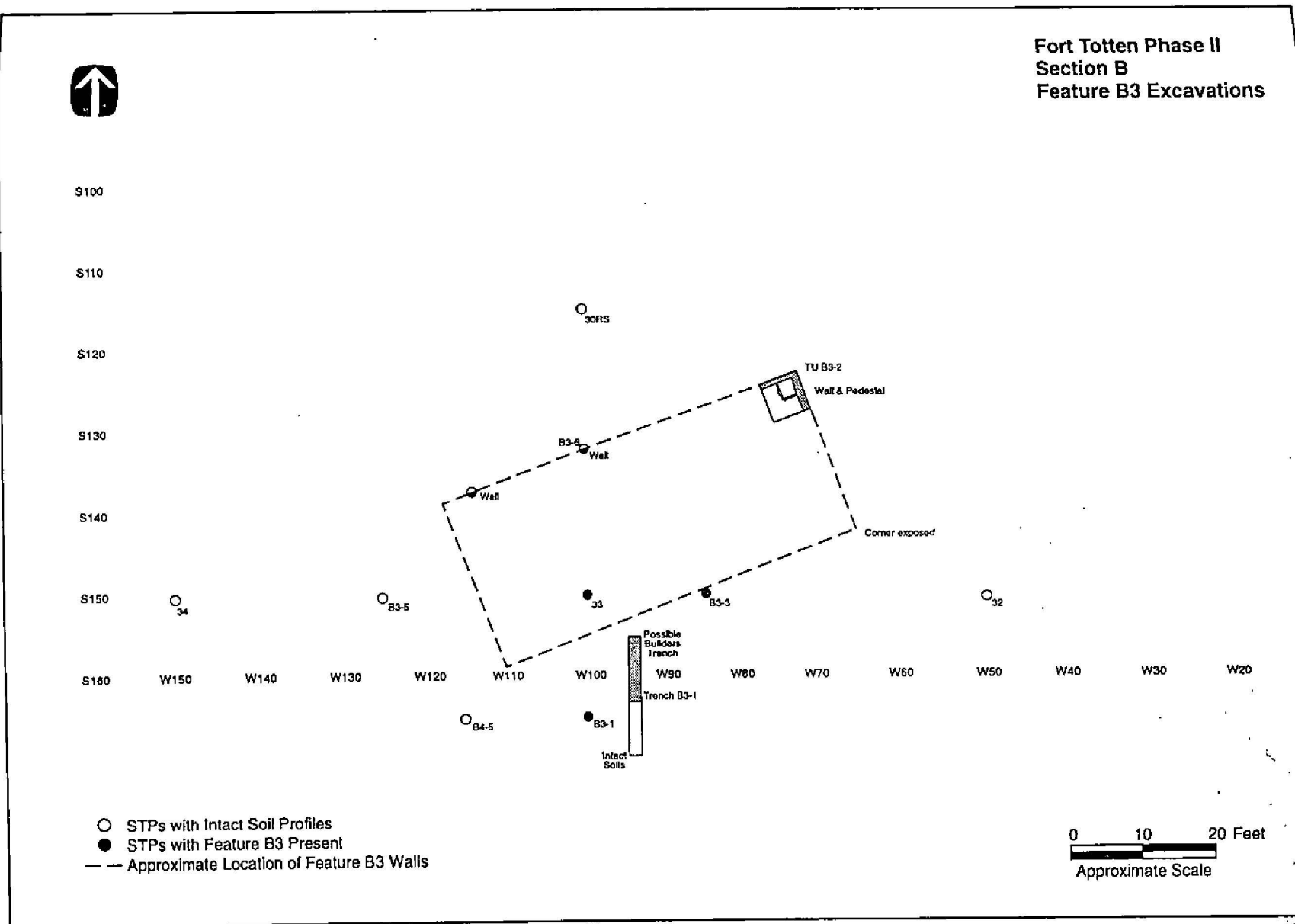


Figure 32. Location of Phase II Excavations Associated with Feature B3.

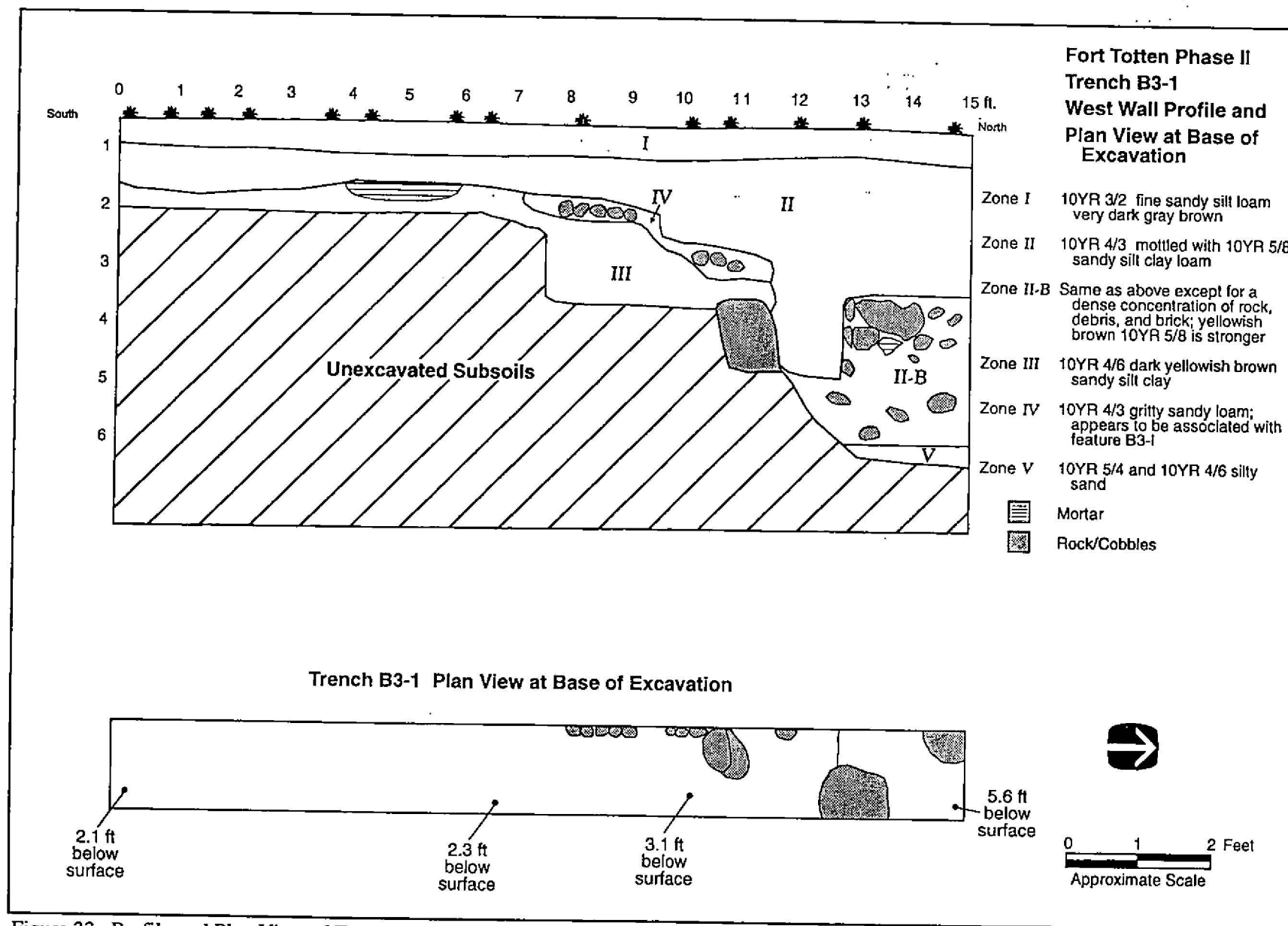


Figure 33. Profile and Plan View of Trench B3-1.



Fort Totten Phase II  
Test Unit B3-2  
Plan View

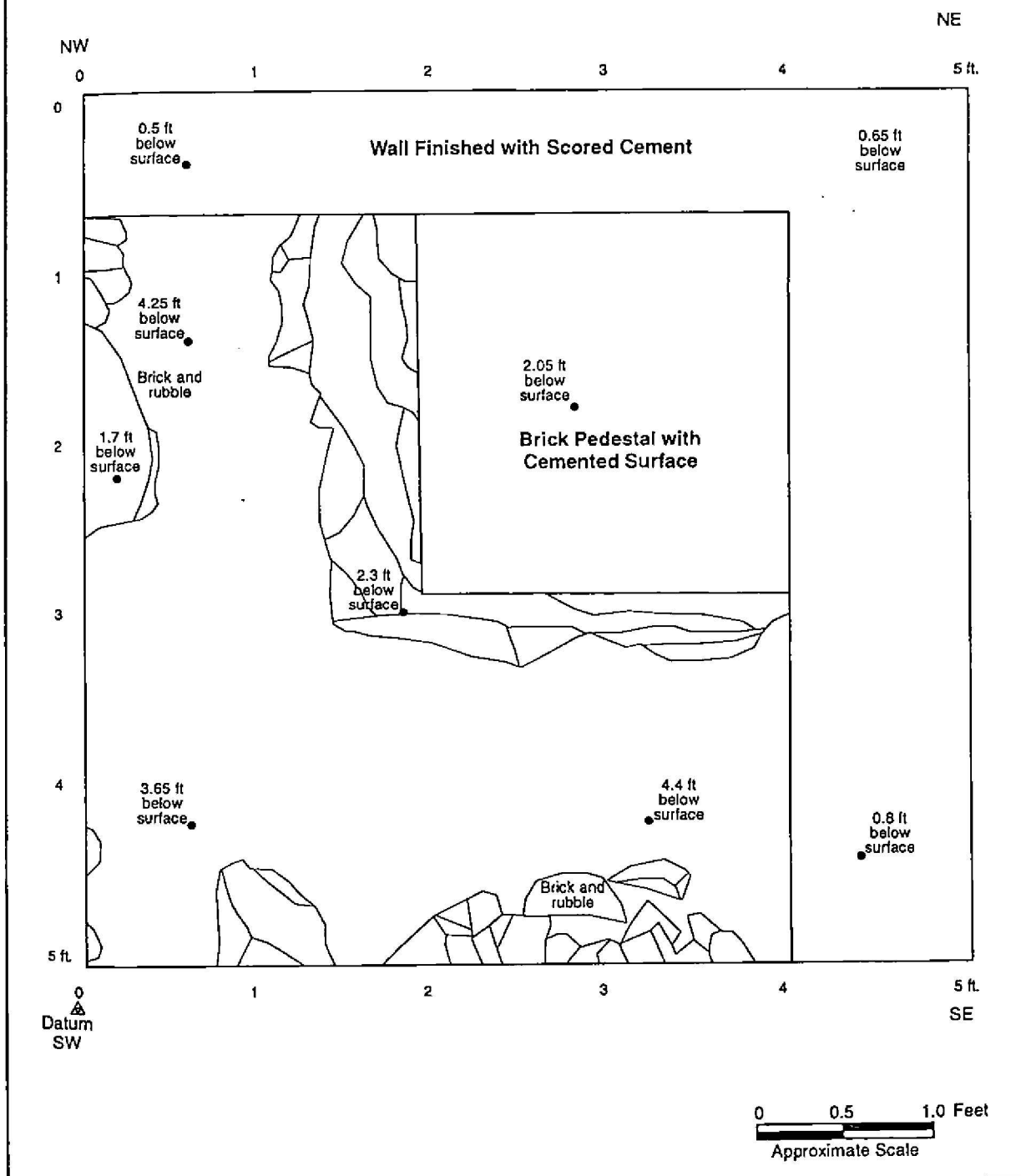
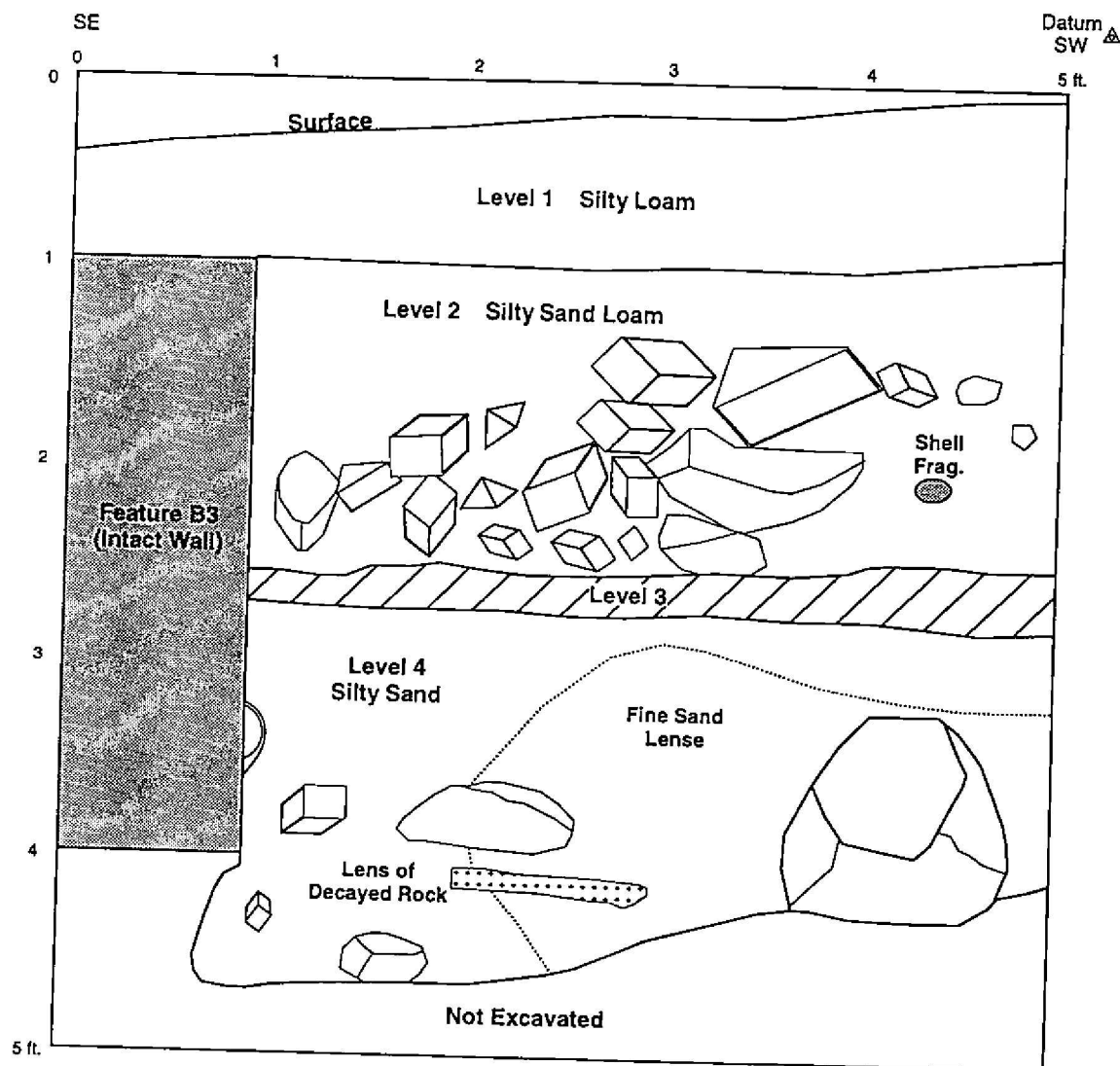


Figure 34. Plan View of Test Unit B3-2.

Fort Totten Phase II  
Test Unit B3-2  
South Wall Profile



**Stratigraphic Key**

- Level 1: Root Mat Organic Layer 10YR 3/3 to 3/2 Silty Loam
- Level 2: 10YR 5/6 mottled with 10YR 3/3 Silty Sand Loam with large rocks
- Level 3: Mortar, 75 percent structural debris, including large brick fragments and rocks
- Level 4: 10YR 5/6 Silty Sand with medium sized cobbles, lens of 10YR 5/3 fine sand

**Depths**

- 0.0 ft to 0.8 ft
- 0.8 ft to 2.4 ft
- 2.4 ft to 2.65 ft
- 2.65 ft to 4.6 ft

0 0.5 1.0 Feet  
Approximate Scale

Figure 35. Profile of Test Unit B3-2.



Excavations revealed that the structure was built of stone, brick, mortar, and cement, as are most of the other structural features encountered during subsurface testing. Most of the standing historic structures at the Fort are of similar construction. Feature B3 appears to have been a building, set into the ground with at least a partial basement or crawl space.

*Laboratory Investigations.* Numerous artifacts were discovered in excavations associated with Feature B3. Over half of the total recovery was architectural debris. A summary of artifact recovery is provided in Table 29.

Table 29. Artifact Recovery Associated with Feature B3.

ARTIFACT TYPE	COUNT
Ceramics	22
Container Glass	207
Faunal Remains	20
Architectural Debris	793
House and Hardware	66
Personal Effects	44
Other	8
<b>TOTAL</b>	<b>1160</b>

Ceramics. Excluding tobacco and utility pipes, 20 pieces of ceramics were recovered during Feature B3 excavations. Over 75 percent (n=17) of the ceramic sherds are white refined earthenware fragments. Both hollow and flat vessel forms are represented. A summary of findings by type is presented in Table 30.

Table 30. Summary of Ceramic Recovery Associated with Feature B3.

CERAMIC TYPE	COUNT	PERCENTAGE OF TOTAL
Porcelain	1	4
White Refined Earthenwares		
Pearlware	3	14
Whiteware	8	36
Ironstone (Undecorated)	6	27
Coarse Earthenwares		
Unglazed Redware	1	5
Buff Earthenware, Unglazed	1	5
Buff Earthenware, Clear Lead Glaze	2	9
<b>TOTAL</b>	<b>22</b>	<b>100</b>

Pearlware fragments are limited to one molded base fragment and two body sherds. None of the pieces are decorated. Undecorated pearlware was still in production through the 1830s (Miller 1993). Two of the whiteware fragments are decorated. The first is an annular ware body sherd from a hollow vessel type. Annular ware was popular through the 1850s (Alexandria Archaeology n.d.). The other decorated piece of whiteware is a transferprinted plate rim sherd. The remaining six whiteware pieces are undecorated. Three pieces are obviously from flat-form vessels. Also recovered were two pieces of buff-bodied earthenware with a clear lead glaze, one piece of porcelain, and one unglazed redware fragment. All but one of the fragments recovered came from excavation units as opposed to STPs.

Container Glass. Two hundred and seven container glass fragments were recovered during Feature B3 excavations. A summary of container glass recovery by color is provided in Table 31.

Table 31. Summary of Container Glass Recovery Associated with Feature B3.

GLASS	COUNT	PERCENTAGE OF TOTAL
Brown	15	7
Amber	31	15
Dark Green	7	3
Aqua	35	17
Colorless	73	35
Lavender/Amethyst	19	9
Light Green	16	8
Green	7	3
White Opaque	4	2
TOTAL	207	(rounding error) 99

All of the brown glass fragments are body sherds with the exception of one. It is a base fragment, embossed, "NEWMAN'S BAKER--& CO." "PAT...76". None of the 31 amber fragments recovered has any decoration. Amber base, body, and shoulder fragments were found. The dark green glass is limited to five plain body sherds, a stopper-type finish fragment, and a finish with a tooled lip and string rim. Most of the aqua glass is undecorated as well, with only four pieces embossed. One of the four is marked "P...", one "C & D", and another "R.". Two mending fragments were also recovered and they read "...& P. Marten". One aqua finish fragment with a rounded lip was also found.

Colorless glass accounts for 35 percent of the total glass recovery. Falling within this group are numerous plain base, body, and shoulder fragments. One finish with a prescription lip was recovered as was a tumbler base (two mending sherds) molded with a starburst design. The sides of the tumbler are ribbed. Nineteen lavender glass fragments were also found. Most are plain body sherds but three ribbed body fragments were recovered, as were two finish fragments. One of the finish fragments has a patent lip and the other has a prescription lip.

Green and light green glass fragments total 22. This includes one light green finish fragment with a flat tooled lip. Other pieces are plain/undecorated. Finally, four pieces of opaque white glass were found. They are unidentified as to vessel type.

Floral and Faunal Remains. Recovery in this group includes 17 bivalve fragments and three mammal bones. One of the bivalve fragments appears to be a cut piece of "mother of pearl."

Architectural Debris. This artifact category includes masonry material, window glass, nails, and utility piping. Architectural debris accounts for over half of the total artifact

recovery for excavations associated with Feature B3 (n=793). Of the 793 pieces of architectural debris recovered, more than half are cut nails. Table 32 summarizes architectural debris recovery for Feature B3 excavations.

Table 32. Summary of Architectural Debris Recovery Associated with Feature B3.

ARCHITECTURAL DEBRIS	COUNT	PERCENTAGE OF TOTAL
Window Glass	279	35
Brick Fragments (Sample Only)	2	<1
Cut Stone (Sample Only)	1	<1
Plaster (Sample Only)	7	<1
Cut Nails	425	54
Wire Nails	6	<1
Unidentifiable Nails	62	8
Tar Paper (Flooring)	7	<1
Putty	1	<1
Sewer Pipe (Sample Only)	3	<1
TOTAL	793	(rounding error) 104

House and Hardware. This category includes 66 individual items. Glass recovery is limited to four colorless lamp chimney fragments and one piece of molded, marbled (maroon and white) decorative glass.

Metal objects of interest include a door lock part (latch bolt type) which is made of both brass and ferrous metal. Also recovered was a brass key. Neither of these artifacts is temporally diagnostic.

Lead items recovered include one piece each sheeting and stripping. Two pieces of melted lead were also found.

Ferrous material recovery includes hardware items (one washer, six pieces of wire, a bolt, a pipe flange, eight screws, and a spring); sheeting (23 pieces, some may be from a can); stripping; a disk (1.3 mm); a buckle, a cylinder, a piece of plating, one silver-colored split ring; a snap fastener, and a pair of scissors. Brass recovery was limited to a collar fragment, a screw, and one piece of tubing.

Personal Effects. Forty-four artifacts were recovered from Feature B3 excavations that fall within this category. Twenty-six of these items are kaolin tobacco pipe fragments. Of the 26, 19 are stem fragments. Three of the stem fragments have makers marks— one reads "THIRBER, W..." "...EW YORK", another "NE..." "WHYLAND", and the last, "GLAS..." "...ITE". Remaining stem pieces are undecorated although one has a spur and two have a molded design. One of the pieces is a tip. Five bowl fragments and two heel fragments round out the recovery of kaolin tobacco pipe fragments. A terra cotta pipebowl fragment was also found.

Clothing-related items recovered are as follows: four white glass buttons (one has a brass fixture on the back); two hard rubber buttons; three military buttons (with dates potentially ranging from 1870 to 1920 [McGuinn and Bazelon 1984]); a leather grommet; and one brass clothing fastener/hook. A bone toothbrush (whole) was also

found. It has a small floral (possibly a clover) design on the handle. Five brass cartridge cases were also recovered (three are .45 caliber).

Other. Falling under this category are three carbon battery cores, two pieces of coal, two pieces of mica, and one piece of plastic.

#### 6.2.2.4 Feature B4

A midden-like feature was discovered during the Phase I investigation of Section B. Four adjacent STPs shared an atypical soil profile and very dense artifact concentration (STP 4 at S150, STP 5 at S200, STP 6 at S250, and STP 22 at S200 E50). This area was designated Feature B4. Trash pits and similar features are very useful in obtaining otherwise lost information on past life ways. As such, a Phase II evaluation was recommended for this feature.

*Field Investigations.* Excavations associated with this feature included numerous probes, 16 STPs and three test units (Figure 36). These excavations were used to identify feature boundaries and sample artifact content. In addition, two of the Phase I STPs were reopened (STP 6 at S250 and STP 22 at S200 E50). Both of those Phase I STPs did exhibit atypical soil profiles and the presence of some fill, however, only in STP 6 was Feature B4 present. A thin band of Feature B4 was present under the topsoil. Through these tests, the feature was determined to be no larger than ca. 27 m (90 ft) north-south by ca. 11 m (35 ft) east-west. Probing with a split spoon, tile probe, and bucket auger suggested that the feature is deepest and most well-defined in the northern portion. As such, unit excavation was concentrated in this area. Trench B4-1 was located at S200 E10. It was placed to catch the eastern boundary of the feature and measured 5 m by 0.5 m (15 ft by 1.5 ft). The longer of the two axes was oriented north-south. Trench B4-2 was located at S130 W20 and was positioned to test the western boundary of the feature. This unit too measured 5 m by 0.5 m (15 ft by 1.5 ft) but was oriented east-west. Trench B4-3 was slightly smaller, measuring 1 m by 2.13 m (3 ft by 7 ft). This unit was placed at E11 S129 to test the eastern boundary of Feature B4 and also to explore the relationship (if any) between Features B4 and B5 (discussed in Section 6.2.2.5).

Based on STP and unit excavation, Feature B4 appears to be a trash dump. It is located in what was a natural low area in the south-central portion of Section B. In all excavation units, natural soil profiles were discovered below the 19th-century garbage (which was at times deeper than 1 m [3 ft] below surface). Profiles of units excavated are presented in Figures 37, 38, and 39.

*Laboratory Investigations.* More cubic feet of this dump feature were excavated than any other features in the project area. As such, artifact recovery was very high. Numerous pieces of ceramic and glass (including several complete bottles) were recovered as were faunal remains, architectural debris, hardware, and personal items. Artifact recovery associated with Feature B4 excavations is summarized in Table 33.

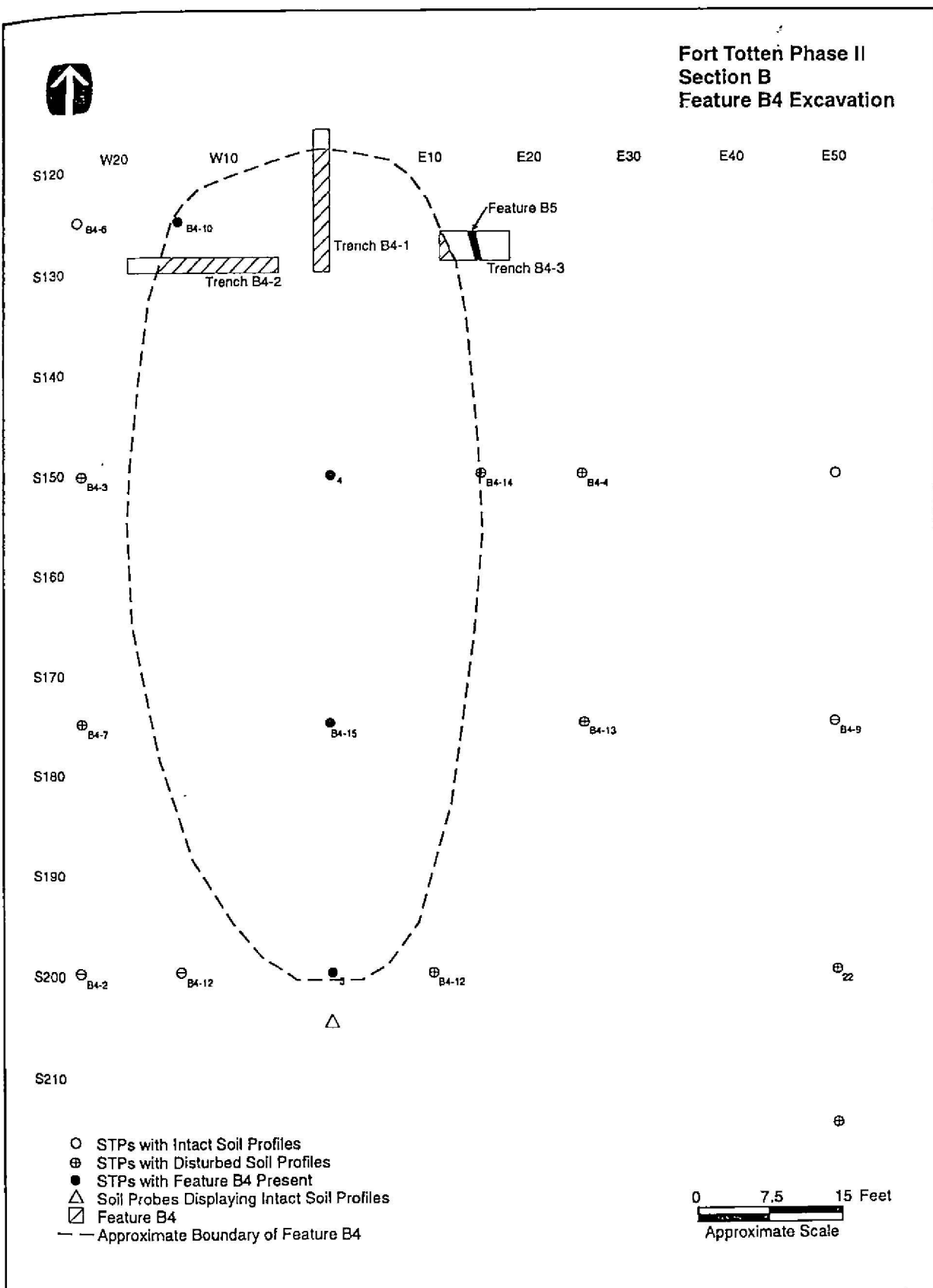


Figure 36. Location of Phase II Excavations Associated with Feature B4.

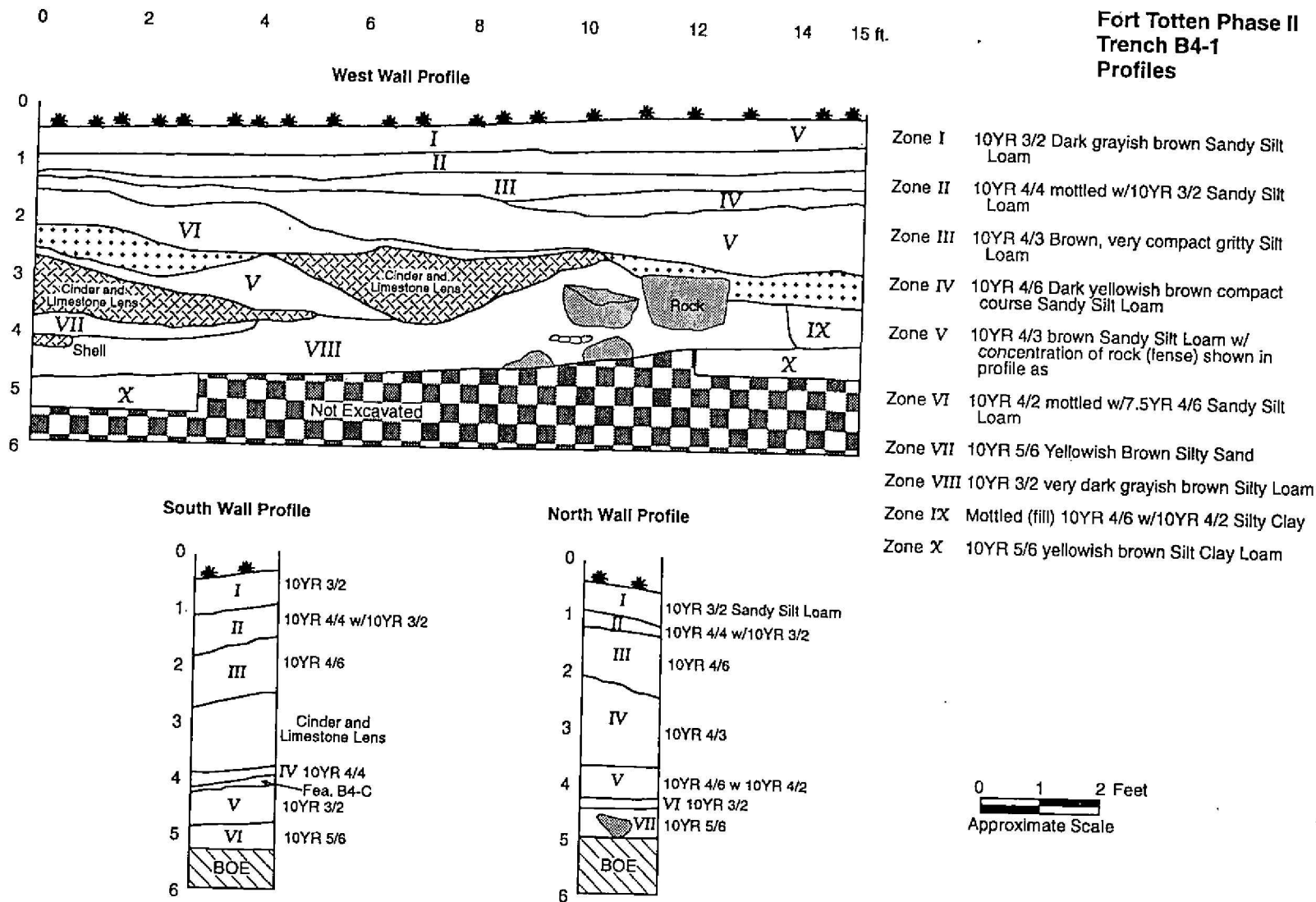


Figure 37. Profiles of Trench B4-1.



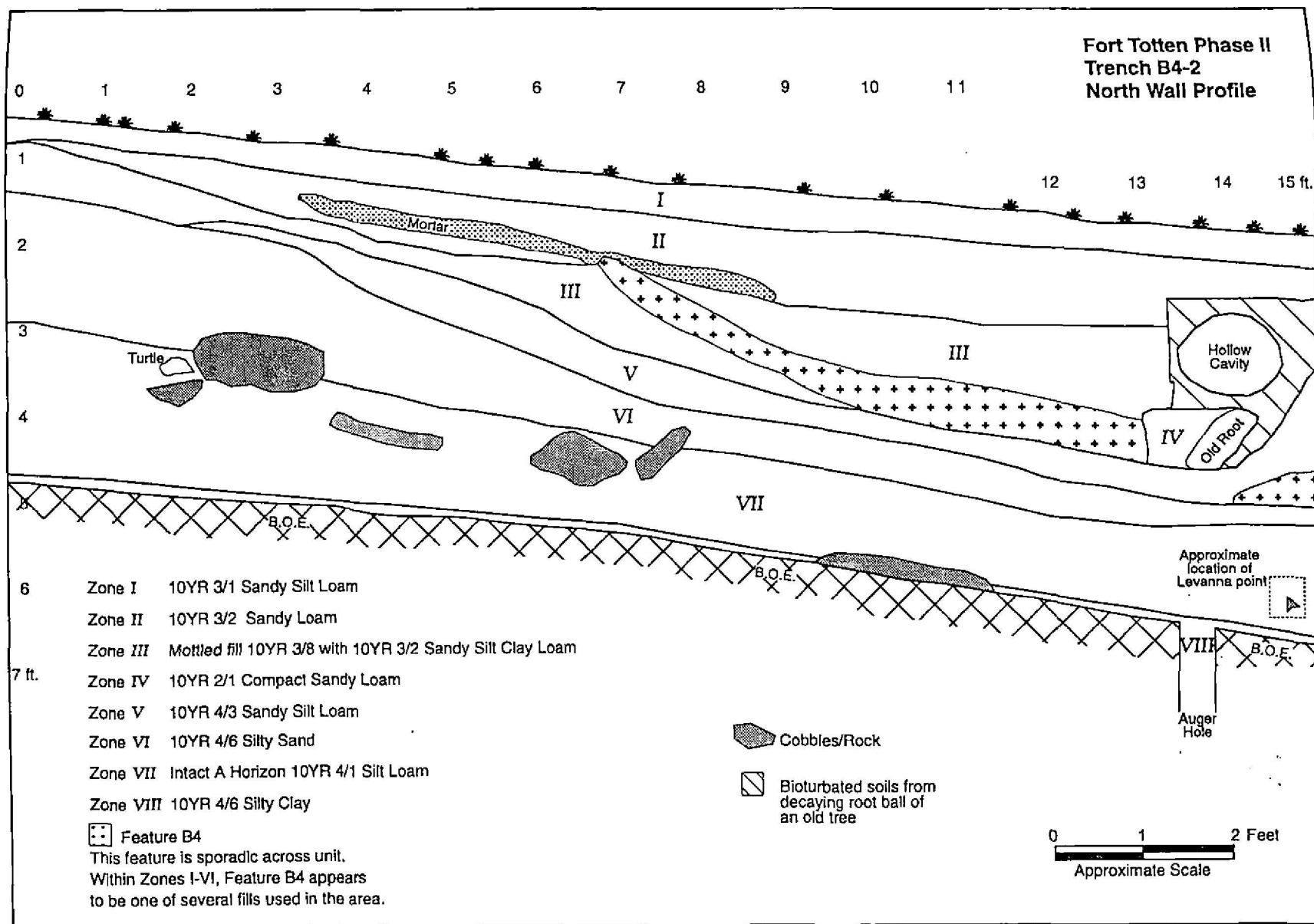


Figure 38. Profile of Trench B4-2.

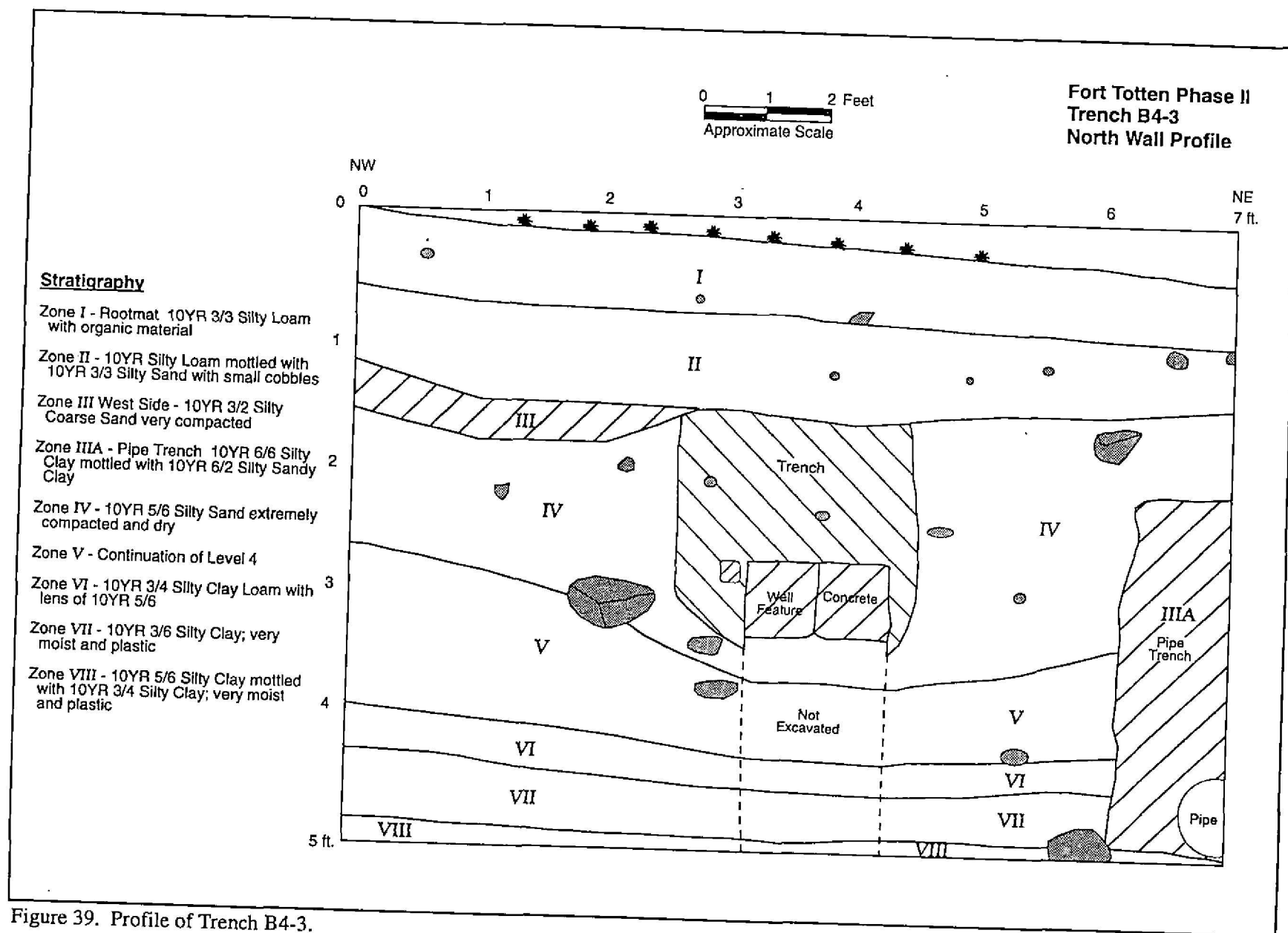


Table 33. Artifact Recovery Associated with Feature B4.

ARTIFACT TYPE	COUNT
Ceramics	146
Container Glass	684
Faunal Remains	106
Architectural Debris	1424
House and Hardware	176
Personal Effects	88
Other	19
<b>TOTAL</b>	<b>2643</b>

Ceramics. One hundred and forty-six ceramic vessel fragments were recovered in Feature B4 excavations. The vast majority (n=110, over 75 percent) of items recovered are white refined earthenwares, including pearlware, whiteware, and ironstone. Hollow and flat vessel forms are represented. A summary of ceramic vessel sherd recovery is provided in Table 34.

Table 34. Summary of Ceramic Recovery Associated with Feature B4.

CERAMIC TYPE	COUNT	PERCENTAGE OF TOTAL
Hard Paste Porcelain	8	5
White Refined Earthenwares		
Pearlware	4	3
Whiteware	62	42
Ironstone	44	30
Hard Bodied Earthenwares		
Refined Red Earthenware	1	<1
Refined Redware (Unglazed)	1	<1
Yellowware	1	<1
Rockingham	3	2
Stoneware	1	<1
Coarse Earthenwares		
Unglazed Redware	14	10
Glazed Redware	1	<1
Terra Cotta	1	<1
Coarse Agateware	1	<1
Buff Earthenware	4	3
<b>TOTAL</b>	<b>146</b>	<b>(rounding error) 102</b>

With respect to form, three of the porcelain pieces come from flat vessels. Four are of hollow vessels, and one is unidentifiable. Only one of the porcelain fragments is decorated, it is from a flat vessel such as a plate and has a hand-painted overglaze decoration on the rim. Porcelain accounts for less than six percent of the total ceramic assemblage associated with Feature B4.

Of the 110 white refined earthenware fragments recovered, four are pearlware. One of the pieces is a plain rim sherd from a flat-form vessel. The other three pieces appear to be from hollow-form vessels. Two of these hollow vessel sherds are decorated with a hand-painted polychrome design (underglaze). This decorative style was popular from 1795-1820 (Noel Hume 1969). One of the pieces is from a bowl, ca. 0.15 m (0.5 ft) in diameter.

Whiteware fragments were found in abundance and 62 sherds were recovered in total. Both hollow and flat vessel types are represented. Decorative styles include underglaze hand painted (n=4, three of which crossmend); molded (n=1); stamped (n=2); and transferprinted (n=3, one of which has the "Blue Willow" pattern). Stamped whiteware was popular from 1840 through 1860 (Alexandria Archaeology n.d.). Blue Willow pattern tableware was popular from around 1830 through the 1880s (Coysh and Henrywood 1981). Remaining fragments recovered are undecorated.

Ironstone accounts for 30 percent of ceramic sherds recovered from Feature B4 excavations. Only four of the 44 pieces found are from flat-form vessels. Falling within the flat category is one plate fragment with a maker's mark. The plate was approximately 0.25 m (0.83 ft) in diameter and the mark reads, "IRONSTONE CHINA", MEAKIN BROS Co". All of the other flat vessel fragments are undecorated.

The remaining ironstone fragments are from hollow vessels. Five of the pieces recovered are molded. The molding is similar on all five pieces (paneled) and two of them mend. Also noteworthy, two of the paneled pieces are rim to base sherds of either cups or bowls measuring 0.10 m (4 in) in diameter and 0.09 m (3.5 in) deep. The remaining molded piece is also from a 0.10-m (4-in) diameter cup or bowl. One other piece recovered bears a maker's mark. It reads "...CASTLE C...". It may have read New Castle China, dating it somewhere between 1901 and 1905. This artifact was recovered from Trench B4-3 in Level 5, (east half) which is 1.2 m to 1.4 m (4.2 ft to 4.6 ft) below surface. Nine of the plain ironstone fragments mend to form a complete apothecary jar. Eleven of the ironstone fragments recovered were burnt.

Remaining ceramic recovery is limited to stoneware and coarser earthenwares. The stoneware sherd recovered is unidentified as to vessel type. It is gray bodied and unglazed. Hard-bodied earthenwares recovered include one sherd each of refined redware (unglazed), refined red earthenware (unglazed), and yellowware. Also included within the hard-bodied earthenware category is Rockinghamware of which three pieces were found. Coarse earthenware fragments recovered include one glazed redware fragment, 14 unglazed redware sherds (hollow vessel form), one piece of a terra cotta vessel, one coarse agateware fragment, and four pieces of buff-bodied earthenware. The agateware piece may be part of a door knob but is too small to determine with any certainty. Two of the four buff-bodied earthenware fragments are mending base sherds from a crock. The exterior of the crock has a clear lead glaze and the interior surface treatment appears to be Albany slip.

Container Glass. Container glass represents roughly 25 percent of the total artifact recovery for Feature B4 excavations. A summary of recovery by color is provided in Table 35. The table does not include ink wells, which are discussed with house and hardware artifacts.

Table 35. Summary of Container Glass Recovery Associated with Feature B4.

GLASS	COUNT	PERCENTAGE OF TOTAL
Brown	96	14
Amber	54	8
Dark Green	35	5
Aqua	156	23
Colorless	111	16
Lavender/Amethyst	86	13
Light Green	12	2
Green	133	19
White Opaque	1	<1
<b>TOTAL</b>	<b>684</b>	<b>(rounding error) 101</b>

Brown glass recovery includes two mending finish fragments (Perry Davis type), a finish fragment with a down-tooled lip and rim, another finish fragment with a tooled lip and string rim, and a stopper-type finish fragment. Two base sherds with post-bottom mold marks were also found. In addition, one whole brown glass bottle was found. It has a down-tooled lip, a rounded string rim, and tapered neck. The piece was made in a three-piece mold and has a mamelon base. The bottle is embossed on the base and reads, "WHITNEY GLASS WORKS GLASSBORO N.J." Remaining brown bottle glass recovered includes body, shoulder, and neck fragments, all undecorated with no diagnostic indicators.

The amber glass recovered includes one Perry Davis-type finish fragment and a base with a post-bottom mold mark. Other amber pieces found include base and body fragments, again, undecorated.

Dark green and olive container glass recovery was limited to 35 pieces. All of the pieces but two are body sherds. One finish fragment with a flat-sided tooled lip and applied string rim was found, as was a base sherd.

One hundred and fifty-six aqua container glass fragments were found during testing. Many of these pieces are plain body sherds. Those with decoration or other discernible characteristics include 15 embossed fragments (some of which mend) and seven finish fragments. Two whole bottles were also recovered.

Those body or base sherds with legible embossed lettering or numbering are as follows: (1) "D...", (2) "...UP...", (3) "2", (4) "H...", (5) "...JAK..." "CHARLES" "...ALTIM...", (6) "EXCE..." "LAG..." (may be Excelsior Lager, Brooklyn, N.Y.) (7) "WHITES..." "D. &..." (8) "R. ... SHINN GEORGETOWN D.C." "S" "THIS BOTTLE IS NEVER SOLD" (9) "...H..." (10) "D..." "D" (11) "...LA..."

Finish fragments recovered include two mending pieces of a V-shaped tooled lip sherd with a tooled string rim. The other five finish fragments are as follows: one fragment with a rounded lip, one fragment with a patent lip, one fragment with an applied lip, and two fragments with folded out lips.

The two whole aqua bottles were also recovered. One of the bottles found is plain. The body is flask shaped, the neck is cylindrical, and it is finished with a patent-lip. The other bottle is embossed on the body, "M.B. & CO 145 WEST 35TH ST NEW YORK 1861". This bottle has a blob top and mamelon base. It was recovered from excavation unit B4-2 in Level 5 (1 m to 1.2 m [3.5 ft to 4 ft] below surface).

Colorless container fragments number 111. Thirteen of these fragments have physical characteristics that separate them from plain body and base sherds. This includes two small vial pieces, one is a small base sherd and the other is a nearly complete vial. The almost whole one has a patent lip and a cork stopper. There is a black residue in the bottle. Five prescription lip finish fragments were recovered, some of which mend. One whole bottle with a prescription lip was also found. It stands 9 cm (3.38 in) tall and is otherwise plain. Two patent lip finish fragments were also recovered. Other items of interest recovered include a body sherd embossed "STO..." and two tumbler rim fragments.

Lavender/amethyst glass was also found in Feature B4 excavations. Glass of this type was manufactured in the late 1800s. Most of the lavender glass recovered came out of the upper levels of feature excavations. Items of interest recovered include embossed body and base sherds and finish fragments. Embossed items include one body sherd marked, "...RMA..." "...LOGNE", "...OYT &..." "...ELI..." "...S..." and a base sherd with the lettering "WT & Co" "A" which is likely Whitall-Tatum & Company. This group manufactured bottles from 1857 through 1935. Another body fragment was found that had an embossed U.S. shield and stars motif. Finish fragments recovered include three (two mending) fragments of fire polished, flared bottle lips, and two tops with prescription lips one of which has a ground bore. Also found was one ribbed body sherd and one squared bottle base with chamfered corners. Other lavender glass recovered is limited to body fragments.

Twelve pieces of light green glass were found in Feature B4 excavations. Two of the fragments are embossed (only one is legible and reads, "PH..."). One lip fragment and one base fragment were also found. Remaining pieces of light green glass are body sherds.

Green glass was fairly common in Feature B4 excavations with 133 pieces found. Many of the pieces are body fragments. None of the green glass is embossed. Four finish fragments were found, two with champagne type tops, one lip sherd that is tooled, and one fragment displaying a rounded string rim.

One piece of opaque white glass was recovered. It is very small and may not come from a container.



Floral and Faunal Remains. This category includes shell and bone. One hundred and six pieces were found in Feature B4 excavations. This includes 52 bivalve shell fragments, 32 of which are discernible as clam and two are oyster. The others are unidentifiable. Also recovered were 54 bone fragments. Many of the bones are cut. Most appear to be from livestock.

Architectural Debris. Numerous pieces of architectural debris were recovered from Feature B4 excavations. This includes masonry materials, nails, utility piping, roof and flooring material, and window glass. A summary of architectural debris recovered is included in Table 36.

Table 36. Summary of Architectural Debris Recovery Associated with Feature B4.

ARCHITECTURAL DEBRIS	COUNT	PERCENTAGE OF TOTAL
Window Glass and Came	374	26
Wire Nails	36	3
Cut Nails	589	41
Unidentifiable Nails	360	25
Brick (Sample Only)	15	1
Ceramic Tile	2	<1
Ceramic Pipe	28	2
Roofing Slate	3	<1
Tar (Flooring)	5	<1
Putty	5	<1
Plaster	7	<1
<b>TOTAL</b>	<b>1424</b>	<b>(rounding error) 101</b>

Three hundred and seventy pieces of aqua window glass and four pieces of lead window came were found in Feature B4 excavations. Nails and/or nail fragments were by far the most common architectural item recovered (n=985). The majority of nails found were cut nails (n=589), used commonly during the 19th century. Wire nails were also found. Wire nails were invented in the mid-1800s but were not generally used in building construction until about 1875. By the late 1880s, use of wire nails in construction was common (Nelson 1968).

Several different types of ceramics were recovered that fall under this category. Thirteen pieces of plain red brick were retained as were one piece each of glazed red brick and yellow brick. Tile fragments recovered include one earthenware piece and one porcelain piece. Also recovered were 27 pieces of earthenware sewer pipe. Another piece of ceramic pipe was found. This piece may be part of a flue of some sort as slag is adhering to the interior surface of the pipe.

Putty, plaster, roofing slate, and flooring tar were also found in the excavations albeit in small quantities.

House and Hardware. A summary of house and hardware items recovered from Feature B4 excavations is provided in Table 37.

Table 37. Summary of House and Hardware Item Recovery Associated with Feature B4.

HOUSE AND HARDWARE ITEM	COUNT	PERCENTAGE OF TOTAL
Lighting Artifacts	40	23
Ink Bottles and Fragment	15	9
Ferrous Items	90	51
Lead Items	27	15
Other	4	2
<b>TOTAL</b>	<b>176</b>	<b>100</b>

Falling under the lighting category are 39 pieces of glass and part of a base to an oil lamp. Ten of the glass pieces are lampshade fragments, two of which are embossed with a U.S. shield and stars motif. Seven of the lampshade fragments are ribbed. Both lavender/amethyst and colorless sherds were recovered. The other 29 pieces of glass are from lamp chimneys. All of those pieces are colorless. Other glass items recovered include ink bottles and ink bottle fragments. Fifteen pieces were recovered in total. One complete and 13 fragments of aqua umbrella-style ink bottles were recovered. Also found was one 0.19-m (7.5-in) green glass inking bottle with a pouring lip.

Ferrous items recovered include bolts (n=2), a buckle, a can fragment, a handle bar fragment (some wood still attached), a horseshoe, a flanged pipe fragment, 13 pieces of plating (some may be pipe fragments), sheeting (n=12), two spikes, two staples, three pieces of strapping, 12 pieces of stripping, an unidentifiable machine part, a piece of tubing, 19 wire fragments, and 18 pieces of unidentifiable ferrous material. Lead items recovered include 22 pieces of sheeting, a sinker, and three pieces of stripping. Also found in Feature B4 excavations were a metal bottle closure, one pewter sprue, one piece of whitemetal sheeting, and a metal disk with a threaded center shank.

Personal Effects. The total number of artifacts falling under this category is 74. This includes 31 tobacco pipe fragments. Twenty-nine of the pipe fragments are kaolin. Of these, 12 are bowl fragments and most of them are plain. Two bowl fragments do have markings, though. One of the bowls is rouletted and bears an image of a harp and leaves. It is also marked, "...MEKULE". Another bowl was recovered that is molded, has a spur, and is impressed with the letters "TD". One of the stem fragments recovered has a maker's mark that reads, "...oronto". Remaining pieces are undecorated. Two tobacco pipe stem fragments were recovered that have a refined gray body as opposed to the usual white.

Clothing-related items recovered include buttons and leather shoe parts. Nine white opaque glass buttons or button fragments were found. Other buttons recovered include eight brass buttons and a bone button. One of the brass buttons recovered is a military uniform (coat-size) button. Buttons of similar design were manufactured from before the Civil War until the early 1900s. Leather shoe parts recovered number nine. In addition, four mirror fragments were found.

Three coins were recovered from trenches excavated at Feature B4. Two of the coins are pennies (one 1863 and the other 1895). The other is a five-cent piece.

Ammunition accounts for most of the other recovery in this category. Nine pieces were found. Three of the bullets are lead (two are minie balls), the remaining six are brass (.50 caliber, .45 caliber, and .30 caliber cartridge cases were found.)

Other. Thirty-four items fall under this category. Prehistoric material recovered includes two quartz flakes and a quartz point. The flakes were recovered from the feature fill. The point, a Levanna, was found in a buried A horizon in Trench B4-2. No other prehistoric material was recovered from this 5 m by 0.5 m (15 ft by 1.5 ft) excavation unit and as such the point should be regarded as an isolate.

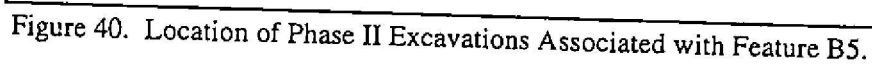
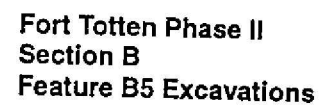
Other material recovered includes three carbon battery cores, two pieces of cement, six coal fragments, ten pieces of slag, five pieces of mica, one piece of leather, some cardboard, a piece of plastic, and a "pull tab" from a beverage can.

#### **6.2.2.5 Feature B5**

The designation Feature B5 was given to an atypical soil profile discovered in Section B at grid coordinates S100 (STP 3). The profile consisted of topsoil underlain by some very compacted fill soils and then a highly organic loamy soil. This stratum extended to depths exceeding 1 m (3 ft) and produced some artifacts potentially dating to the 19th century. As such, additional testing was recommended for the feature.

*Field Investigation.* Initially, one 5 m by 1.5 m (15 ft by 1.5 ft) excavation unit was opened up immediately adjacent to the Phase I STP 3 to investigate Feature B5. The excavation unit was designated Trench B5-1 and was placed at coordinates S101.5 W7.5. The long axis of the trench was oriented east to west. This resulted in the discovery that Feature B5 was in fact, not a feature at all, but rather a fill episode overlying intact A horizon soils. In the extreme eastern portion of the excavation unit, however, a single cement beam was discovered. This beam was then designated Feature B5. Shovel testing was then undertaken to establish the location of the beam across Section B. Eight STPs were excavated in total. One additional trench was also excavated (Trench B5-2) at S81.5 W5. This trench also measured 5 m by 0.5 m (15 ft by 1.5 ft) and was oriented with the long axis running east-west (Figure 40). Both trenches exposed a portion of the feature (Figures 41 and 42).

Based on these excavations, the beam appears to extend approximately 15 m (50 ft) across Section B in a southeast to northwest fashion. The beam was also exposed in Trench B4-3 where it is roughly paralleled to the east by an earthenware sewer/drain pipe (Figure 37). It seems very likely that the two are related and perhaps the beam was



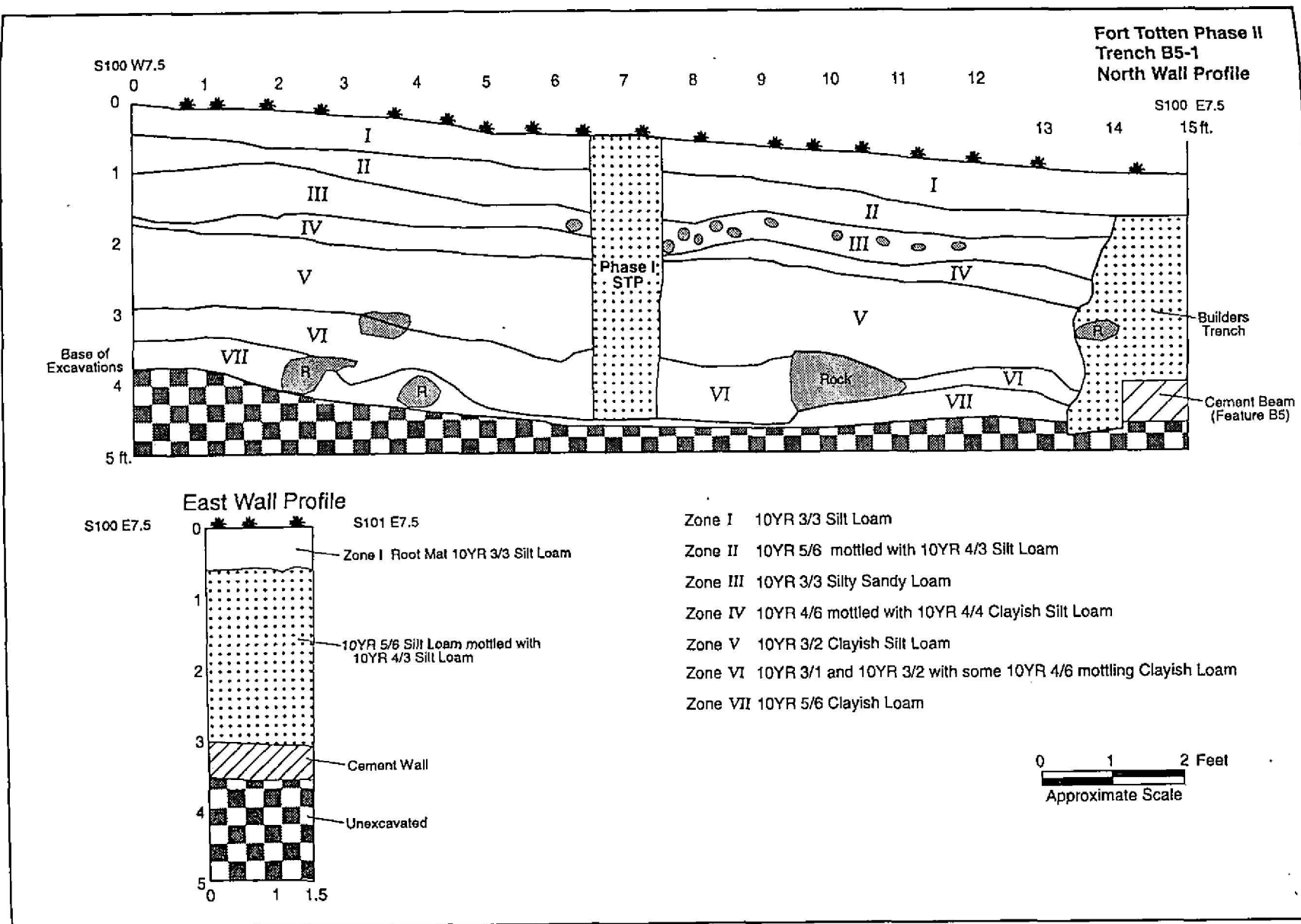


Figure 41. Profile of Trench B5-1.

Fort Totten Phase II  
Trench B5-2  
South Wall Profile

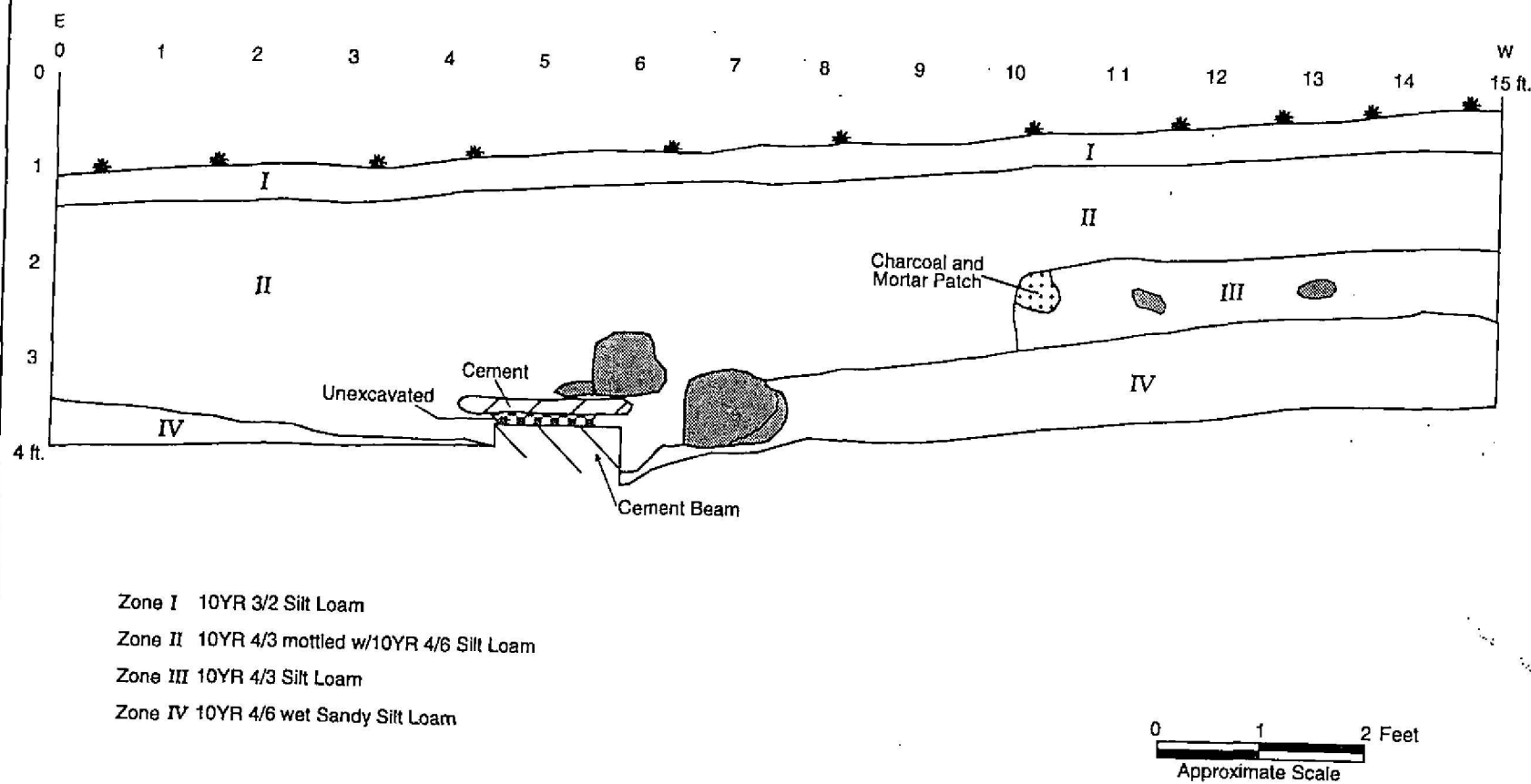


Figure 42. Profile of Trench B5-2.

intended as some type of reinforcement for the pipe. Both run along a hillside that slopes gently to the east. Feature B5 seems to post-date the dump (Feature B4), as the associated builder's trench cuts into Feature B4 fill.

*Laboratory Investigations.* Feature B5 does not appear to be associated with any historic structures, but rather a feature of the Fort's infrastructure or landscaping. As such, materials recovered from excavations are more representative of the general scatter of 19th and 20th century artifacts across the section than anything else. A summary of artifact recovery is presented in Table 38.

Table 38. Summary of Artifact Recovery from Feature B5 Excavations.

ARTIFACT TYPE	COUNT
Ceramics	53
Container Glass	166
Faunal Remains	21
Architectural Debris	138
House and Hardware	20
Personal Effects	21
Other	5
<b>TOTAL</b>	<b>424</b>

Ceramics. As seen elsewhere in Sections A and B, refined white earthenwares dominate the ceramic recovery for this set of excavations. Whiteware and ironstone combined account for over 75 percent of the ceramic assemblage. A summary of ceramic sherds recovered in excavations associated with Feature B5 is provided in Table 39.

Table 39. Summary of Ceramic Recovery from Feature B5 Excavations.

CERAMIC TYPE	COUNT	PERCENTAGE OF TOTAL
Hard Paste Porcelain	10	19
White Refined Earthenwares		
Whiteware	17	32
Ironstone (Undecorated)	24	45
Coarse Earthenwares		
Unglazed Redware	1	2
Buff Earthenware, Black Lead Glaze	1	2
<b>TOTAL</b>	<b>53</b>	<b>100</b>

Container Glass. A summary of the glass recovery by color is provided in Table 40.

Table 40. Summary of Container Glass Recovery from Feature B5 Excavations.

GLASS	COUNT	PERCENTAGE OF TOTAL
Brown	10	6
Amber	13	8
Dark Green	3	2
Aqua	42	25
Colorless	39	23
Lavender/Amethyst	8	5
Light Green	4	2
Green	47	28
<b>TOTAL</b>	<b>166</b>	<b>(rounding error) 99</b>



As is commonly the case, most of the glass sherds recovered are non-diagnostic body and base fragments. Of the 10 brown fragments found, only one is part of a base (remaining are body). All of the amber pieces are body sherds as are the dark green fragments. Aqua glass recovery is a bit more varied with several embossed pieces recovered. Two mending fragments combine to read, "D&P MARTENS WHITESTONE LP". Three aqua finish fragments were also found. One has a patent-type lip, one is a crown type, and the remaining has a post-1900 style flanged lip with a string rim.

Falling under the category of colorless glass are two items of interest. One is a whole bottle with a prescription lip. It has three-piece mold scars and a valve mark on the base. The other is an embossed body sherd marked "...120,277" "...42.3" "2". This type is linked to the Diamond Glass Company and may date from 1924 to the present. One other sherd has an embossed decoration but it is too small to discern the pattern. Other clear glass fragments are plain base and body sherds. Lavender glass and light green glass recovery was limited to plain body fragments.

More green bottle glass was recovered than any other color. Again, most of this glass is plain but four finish fragments and one base sherd were found. Two champagne-type finish fragments were found as was one Perry Davis-type finish, and one finish with a tooled lip and a V-shaped tooled string rim. The base sherd recovered has a post-bottom mold mark.

Floral and Faunal Remains. Of the twenty-one pieces recovered, twelve are unidentified mammal bones and nine are bivalve shell fragments.

Architectural Debris. This category includes items such as masonry materials, nails, ceramic tiling and piping, and window glass. One hundred and thirty-eight items were recovered from Feature B5 excavations which fall into the category. Seventy-nine nails were recovered (11 cut and ferrous, one cut and brass, and 67 unidentifiable fragments). Forty-eight pieces of aqua window glass were also found. Other items recovered include one gray-bodied stoneware tile fragment (burnt), two pieces of sewer pipe, six pieces of putty, and two tar paper fragments.

House and Hardware. Items falling in this group include miscellaneous metal and household items. One melted colorless lampshade fragment was found as was a ceramic ink well (buff-bodied stoneware with a brown glaze), two mending pieces of a brass key, and part of an agateware door knob. Metal items found include one screw, seven pieces of sheeting, three spikes, and three pieces of stripping. One possible pewter sprue was also found.

Personal Effects. Ten kaolin tobacco pipe fragments were recovered during Feature B5 excavations. Four of the fragments recovered are from the bowl section of the pipe; the remainder are stem pieces. Three buttons and four leather shoe parts were also found. One of the buttons is glass and the other two are metal. One appears to be from a military uniform, the back mark reads, "SCOVILLE MFG. CO". This button likely dates from 1874 to 1902 (Albert 1976). One mirrored aqua glass sherd was also found.

Rounding out this category is an 1860s penny (last digit illegible), the handle and part of the blade from a knife, and a .45 caliber brass cartridge case.

Other. One argillite flake and one gray chert flake were recovered from Feature B5 testing. Each of the trenches excavated produced one flake. Three pieces of coal were also found.

### 6.3 Section C

The land surrounding Building 638, the Fort's Chapel, was systematically shovel tested during the Phase I investigation of Fort Totten's excess parcel. This area, designated Section C, is bounded to the southwest by Totten Avenue, to the north by Chapel Road, and to the east by Murray Avenue. Manmade features present within the section include the Chapel itself, a paved and then mulched children's playground, and a paved parking area. An east-west aligned sidewalk roughly bisects the section.

For the Phase I excavations, a datum was established in the extreme northeast corner of the Section from which a ca. 15-m (50-ft) interval grid was established using the angle of Murray Avenue (i.e., the baseline paralleled Murray Avenue). A total of 20 STPs was excavated within the Section. Fifteen of these STPs were positive and 73 artifacts were recovered. No prehistoric material was found. The artifact assemblage recovered includes ceramics (stoneware, porcelain, and refined white earthenwares), container glass fragments, architectural debris (cut and wire nails, brick fragments, and window glass), sundry metal objects, and recent debris such as plastic. Two historic features (designated Features C1 and C2) were discovered within the Section (Figure 43) (Bienenfeld and Leininger 1998). Phase II testing was recommended by the New York SHPO for the features. The Phase II evaluation consisted of the excavation of additional STPs and larger test units.

Phase II investigations in Section C utilized the previously established datum and grid coordinates. All excavation units (STPs and tests units or trenches) were placed on the grid, numbered, and given unique coordinates based on location relative to the datum. Excavations were conducted by hand methods, using shovels and trowels. Soils were removed stratigraphically and screened through 0.64-cm (0.25-in) hardware cloth. Artifacts recovered were bagged according to provenience. Artifact recovery and other information relevant to unit excavation (soil types and Munsell readings, depths, etc.) was documented on standardized field forms throughout the investigations.

Phase II investigations in Section C consisted of the excavation of a total of 13 STPs and two excavation trenches (Figure 44). These excavations yielded 246 historic and modern artifacts. No human remains were encountered during the Phase I or Phase II testing of Section C.

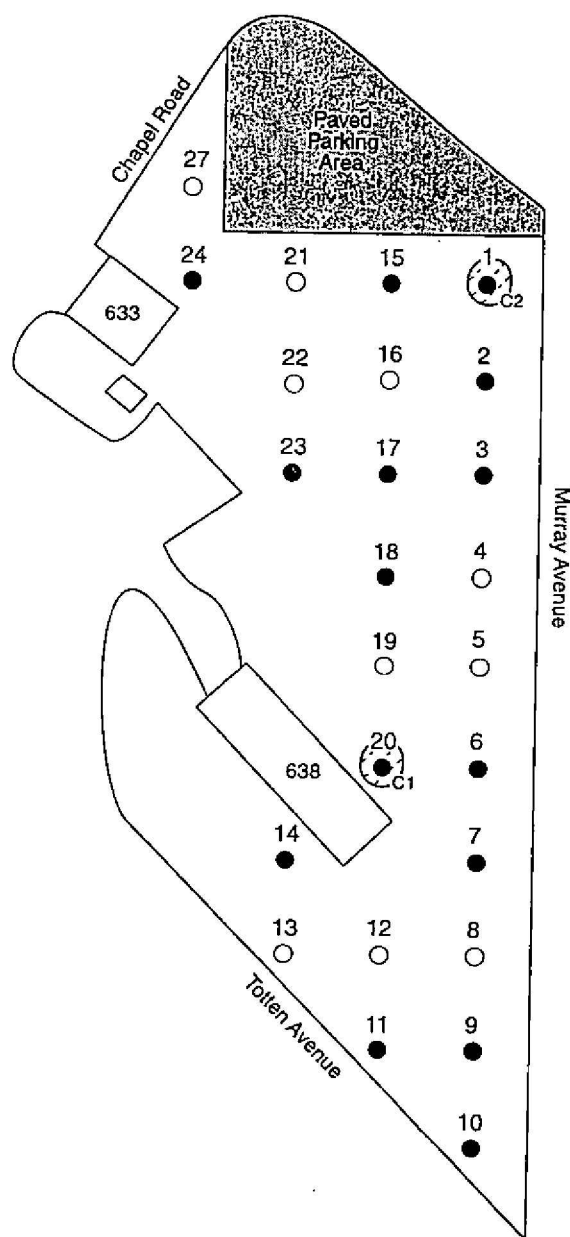


Figure 43. Section C Excavations and Feature Locations.

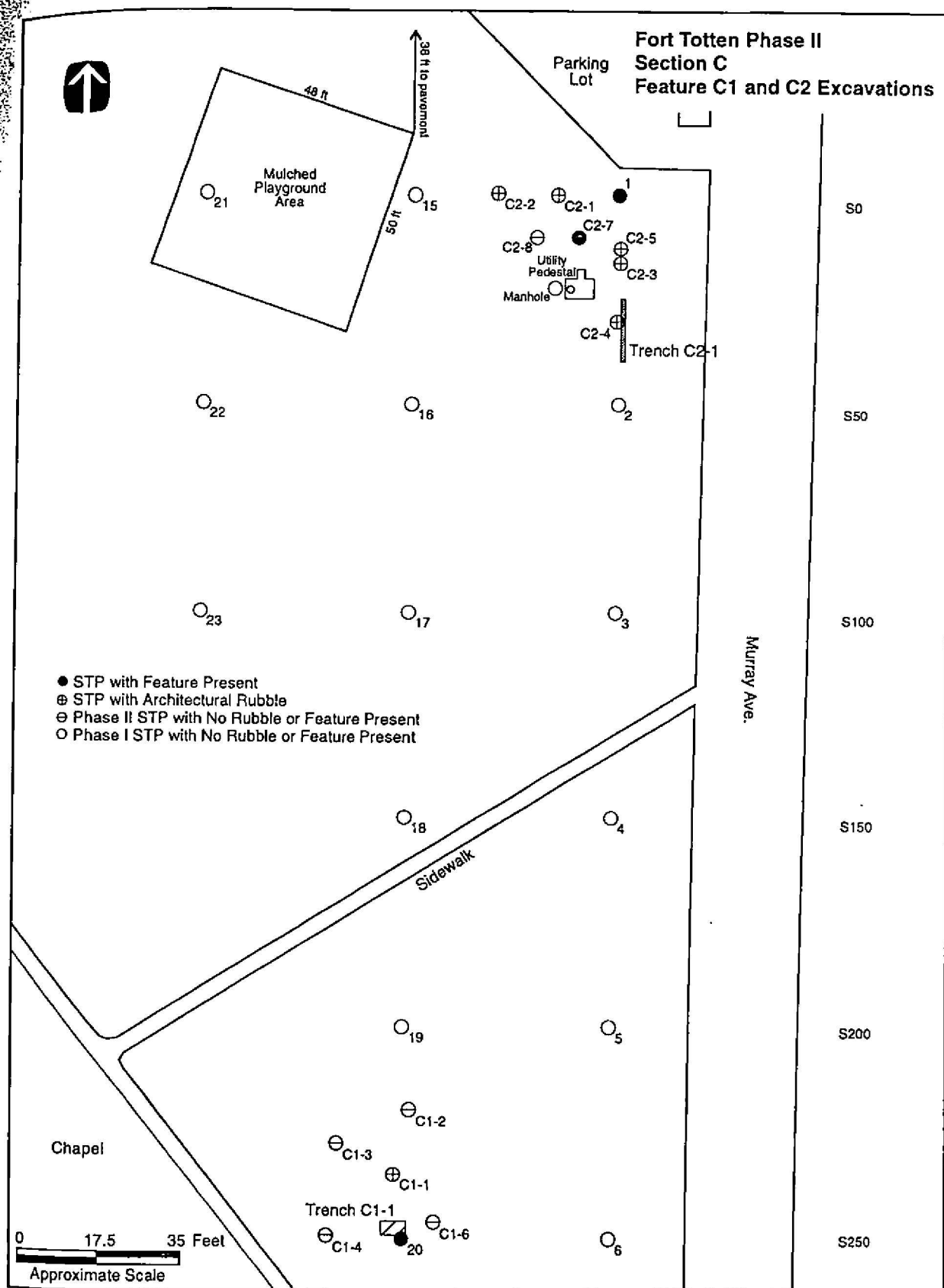


Figure 44. Location of Phase II Excavations Associated with Features C1 and C2.

### 6.3.1 Feature C1

Feature C1 was discovered in STP C20, near the Chapel. It appeared in the STP profile to be a post, measuring approximately 30 cm (0.98 ft) wide and 60 cm (2 ft) deep with slightly curved sides and rounded bottom. Phase I artifact recovery suggested that the feature was likely associated with the military occupation of the tract as artifact recovery was limited to coal, slag, brick fragments, roofing tin, slate, and shell.

*Field Investigations.* One excavation unit (Trench C1-1) was opened up immediately adjacent to the Phase I STP in which Feature C1 was identified. Southwest corner coordinates for this excavation unit were S259 W35. The unit measured 1 m by 1.52 m (3 ft by 5 ft) with the longer axis oriented roughly east-west. Through the excavation of this unit, Feature C1 was determined to be some type of structural remnant as opposed to a post hole. Partially intact remains were encountered at a depth of 1.1 m (3.7 ft) below surface in the excavation unit (Figure 45). The foundation remnant is constructed of stone and mortar with a cement floor. Following this, a series of STPs were excavated to determine the limits of soil disturbance associated with Feature C1. Six STPs were placed on the grid at 5-m (15-ft) intervals from the test unit. Based on these excavations, Feature C1 appears to be no larger than 10 m by 5 m (30 ft by 15 ft).

*Laboratory Investigations.* Comparatively few artifacts were recovered from excavations associated with Feature C1. Total recovery for the area is limited to 44 pieces.

Ceramics. Ceramic recovery from Feature C1-1 excavations was limited to five pieces. Both flat and hollow vessels are represented. Three pieces of porcelain were found. Two have a hand-painted design. The other is plain, and appears to be burnt. Two pieces of whiteware were also found, one with a hand-painted design (underglaze) and the other with green shell edging.

Container Glass. More artifacts were recovered from this category than from any other for Feature C1 excavations. Aqua container glass is limited to one base and four body sherds. Nine pieces of light green glass were found including six body fragments and three shoulder fragments. Four pieces of colorless container glass were also recovered. These are all plain body sherds. Finally, three plain green body fragments were also found.

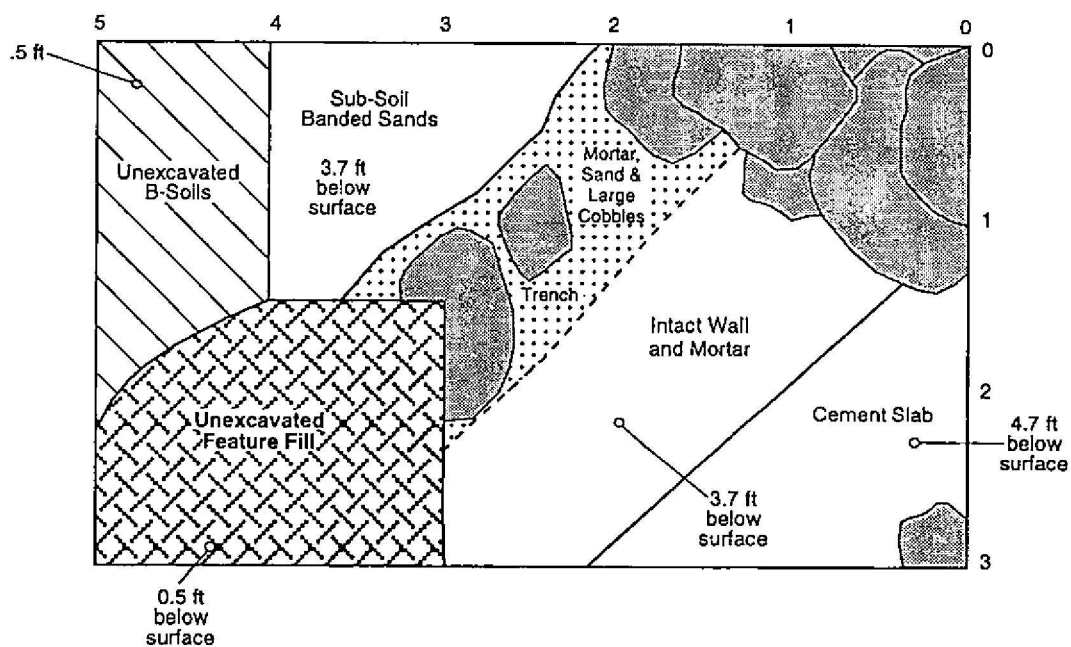
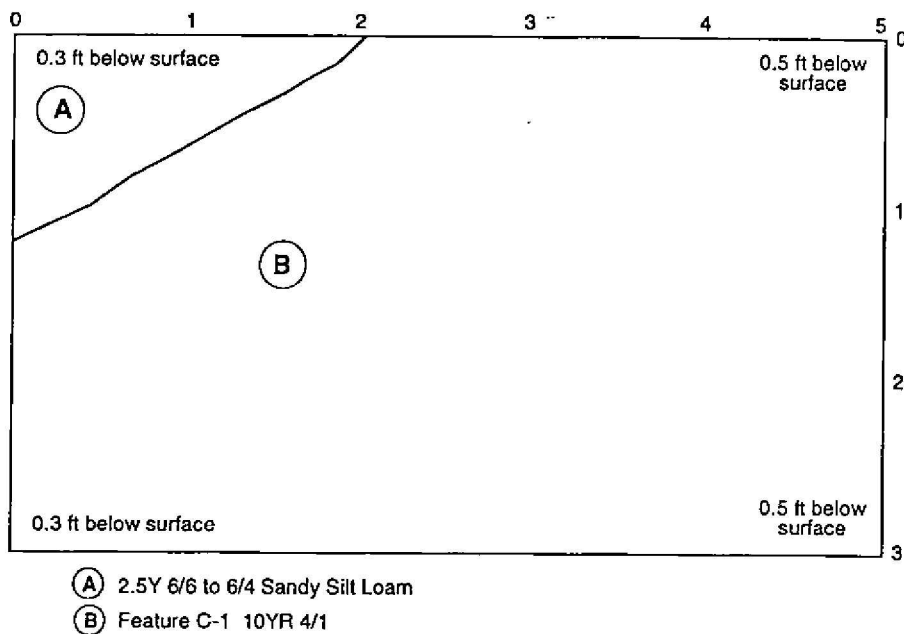
Floral and Faunal Remains. Floral and faunal remains were limited to one small piece of unidentified mammal bone.

Architectural Debris. This category is limited to six nails (two wire, one cut, and three unidentifiable), five tile fragments (three porcelain and two ironstone), one piece of window glass, and one piece of roofing slate.

House and Hardware. Artifact recovery for the category is limited to a horseshoe, a brass oil lamp part (the wick holder portion), and a light bulb base.



Fort Totten Phase II  
Trench C1-1  
Plan Views



0 0.5 1 Feet  
Approximate Scale

Figure 45. Plan Views of Trench C1-1.

Personal Effects. One brass military button was recovered. It resembles those manufactured in the early 1900s bearing the "Great Seal" (Albert 1976).

Other. One coal fragment was recovered.

### 6.3.2 Feature C2

Also identified during the Phase I survey of Section C was an impenetrable level of structural debris in STP C1, at the datum. This deposit was given the feature designation C2. Historic maps reviewed indicated that the deposit may be associated with a Fire Control Station depicted in the same general location. The maps were produced in 1911 and 1935. Additional testing was conducted in this area during the Phase II investigation at the suggestion of New York SHPO. The Phase II work consisted of the excavation of additional STPs and a larger excavation unit.

*Field Investigation.* A series of seven STPs and one trench were excavated to explore Feature C2. Phase I STP C1 was also reopened and enlarged. The architectural material in this STP was not intact (disarticulated bricks only). Additional STP excavations revealed a partially intact stone foundation remnant (in STP C2-7 at W10 S10 only). Based on what was revealed in the STP, the stone foundation extends only about 0.32 m (1.04 ft) into the subsoil. No excavated basement or crawl space seems to be associated with Feature C2. Probing was conducted to the east and west of the wall following the angle as exposed in the STP. Based on this probing, only a small portion (less than 3.48 m [10 ft]) of this wall is intact. A trench was then opened to see if any other portions of the foundation could be identified. Because the area is so small and disturbed, the trench, designated C2-1, was placed at S40 on the grid (southwest corner coordinates). This is one of the few areas in the vicinity of the wall large enough to accommodate a test unit. It measured 5 m by 0.5 m (15 ft by 1.5 ft) and was oriented with the longer of the two axes running north-south (Figure 44). Excavations in the trench demonstrated extensive recent area disturbance associated with utility line emplacement and road and parking improvements, particularly in the north half of the trench—that portion of the trench closest to the wall identified during shovel testing (Figure 46).

*Laboratory Investigations.* Artifact recovery was relatively scant in the area of Feature C2, although excavations in this area did yield more artifacts than testing around Feature C1. A summary of findings is presented in Table 41.

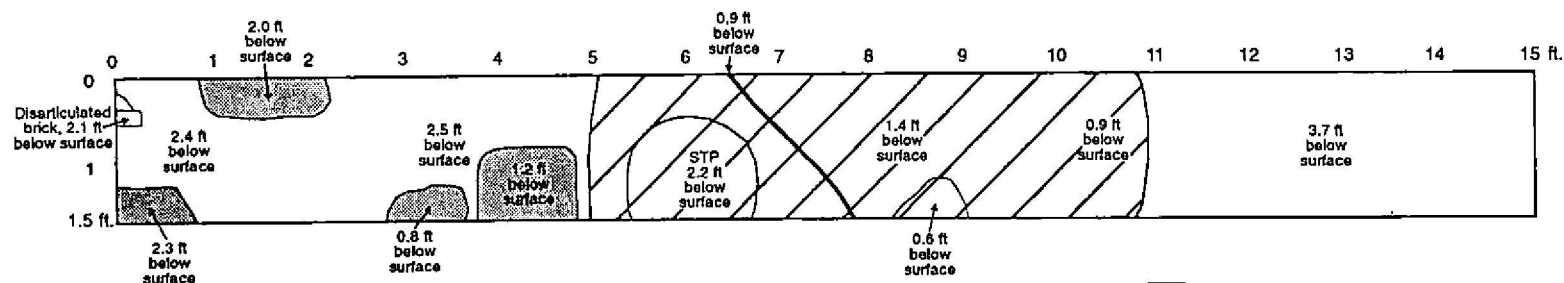
Table 41. Artifact Recovery Associated with Feature C2.

ARTIFACT TYPE	COUNT
Ceramics	6
Container Glass	42
Faunal Remains	1
Architectural Debris	130
House and Hardware	19
Other	3
<b>TOTAL</b>	<b>201</b>





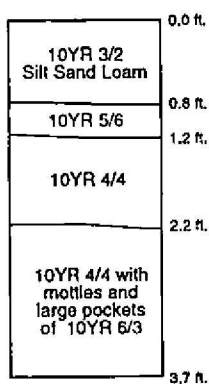
Fort Totten Phase II  
Trench C2-1  
Plan View at Base of Excavations



Depths contained therein are to provide a rough idea of a profile that is deemed unwarranted

Artifacts have been bagged either as north or south of the boulder

Munsells north - 10YR 4/4 mottled with 10YR 4/6 (mottle increases from an approximate 25% 4/6 to an equal proportion toward the floor)



Soil north of boulder highly compacted and obviously disturbed; this disturbance is probably related to the water or sewer pipe access hole existing approximately 4 feet due west of noted disturbance

Soils south of boulder depict a natural profile



Figure 46. Plan View of Trench C2-1.

Ceramics. Ceramic recovery is limited to six pieces. Three of the six are porcelain, two of which are mending base sherds. All porcelain is undecorated. Remaining fragments are unglazed redware, ironstone, and buff-bodied stoneware with a salt glaze (one of each type).

Container Glass. A summary of glass recovery by color is provided in Table 42.

Table 42. Summary of Container Glass Recovery Associated with Feature C2.

GLASS	COUNT	PERCENTAGE OF TOTAL
Brown	3	7
Amber	2	5
Dark Green	0	0
Aqua	4	10
Colorless	22	52
Lavender/Amethyst	3	7
Light Green	3	7
Green	4	10
Opaque	1	2
<b>TOTAL</b>	<b>42</b>	<b>100</b>

All of the glass fragments recovered during Feature C2 excavations are plain base and body sherds except five. Two of the colorless pieces are embossed, one reads "...PIN..." and the other "ATENT". Two of the green pieces are also embossed body fragments. One bears the letter 'L' and the other "ANADA". It is probably part of a ginger ale bottle. Also recovered was a brown bottle base sherd marked with the letter "S".

Floral and Faunal Remains. Recovery in this group is limited to one scallop shell fragment.

Architectural Debris. One hundred and thirty pieces of architectural debris were recovered from Feature C2 investigations. A summary of findings is provided in Table 43.

Table 43. Summary of Architectural Debris Recovery Associated with Feature C2.

ARCHITECTURAL DEBRIS	COUNT	PERCENTAGE OF TOTAL
Window Glass	31	30
Wire Nails	42	41
Cut Nails	9	9
Unidentifiable Nails	27	26
Ceramic Tile	2	2
Ceramic Pipe	19	19
<b>TOTAL</b>	<b>130</b>	<b>100</b>

Twenty-five of the window glass fragments are the typical aqua glass seen elsewhere during Phase I and II excavations. Two are colorless with a molded sunburst pattern. The other four pieces (three colorless, one aqua) are reinforced with wire. Ceramic tiling is limited to two pieces; both are the same, buff-bodied stoneware with salt glaze. Ceramic pipe recovery is divided into three groups, porcelain (n=1), unglazed buff-bodied earthenware (n=7), and lead-glazed gray-bodied earthenware (n=11).

House and Hardware. Nineteen artifacts fall within this category. Ferrous material recovery includes wire (n=5), a clamp, a pintle (door hardware), three pieces of sheeting, and a tack. Five lead washers were also found. In addition, one piece of unidentified metal stripping was recovered, as was a pewter sprue and a zinc screw.

Other. Three pieces of plastic were found in Feature C2 excavations.

## 7.0

### SUMMARY

In the fall of 1997, Phase II archaeological excavations were completed for portions of the BRAC excess parcel at Fort Totten. The excess parcel is approximately 54 ha (135 acres) in size. This parcel includes most of the land north and east of Totten and Murray Avenues excluding the U.S. Coast Guard property on the northwestern portion of the Fort, and Buildings 319 and 330. A small strip of land south of Duane Road is also being excessed (Figure 3).

Phase IB excavations during November 1996 located two areas with prehistoric artifacts and 10 historic features that the New York SHPO identified as requiring Phase II testing. The additional excavations were completed during November and December 1997. The areas investigated were located in archaeological Sections A, B, and C as established during the Phase IB survey. Section A is located within the Parade Ground, Section B is just east of the Parade Ground, and Section C is the area adjacent to the Chapel.

One hundred and fourteen STPs and 18 larger test units (totaling 360 square ft) were excavated during the Phase II evaluation. Test units ranged in size from ca. 5 m by 0.5 m (15 ft by 1.5 ft) to ca. 1 m<sup>2</sup> (3 ft<sup>2</sup>). Specifically, 10 trenches measuring ca. 5 m by 0.5 m (15 ft by 1.5 ft) were excavated as were two ca. 3 m by 0.6 m (10 ft by 2 ft) trenches. Additional units measured 1.5 m<sup>2</sup> (5 ft<sup>2</sup>); ca. 3 m by 0.5 m (10 ft by 1.5 ft); ca. 2 m by 1 m (7 ft by 3 ft); ca. 1.5 m by 1 m (5 ft by 3 ft); and ca. 1 m<sup>2</sup> (3 ft<sup>2</sup>). Shovel test pits were generally about 0.4 m (1.2 ft) in diameter. Excavation depths varied from 0.6 m to 2.13 m (2 ft to 7 ft). These excavations yielded a total of 7,120 artifacts—seven prehistoric and 7,113 historic or modern. No human remains were encountered during the Phase I or Phase II testing conducted on the excess parcel at Fort Totten.

This section of the report provides a summary of Section 6.0 (Results). Conclusions are discussed in more detail in Section 8.0 (Conclusions).

## 7.1

### PREHISTORIC INVESTIGATIONS

Nine prehistoric artifacts were recovered from five STPs during the Phase I survey (Bienenfeld and Leininger 1998). Three isolated pieces of quartz debitage were found in Section A STPs 59 (N450 E150), 83 (N250 W100), and 93 (N400 W100). Six pieces of quartz debitage were found in Section B STPs 30 (S100 W100) and 33 (W100 S150). At the suggestion of the New York SHPO, additional STPs were excavated at ca. 5-m (15-ft) intervals in cardinal directions from all three prehistoric positive Phase I STPs in Section A and STP 30 in Section B. Only the north radial of STP 93 in Section A produced additional prehistoric material (one argillite flake was recovered). Additional

STPs were excavated to the north, east, and west of STP 93 radial north, again at ca. 5-m (15-ft) intervals in cardinal directions. No additional prehistoric material was found.

Six prehistoric artifacts were recovered from excavations associated with historic features in Sections A and B. A summary of Phase II prehistoric material recovery is provided in Table 44.

Table 44. Summary of Prehistoric Material Recovered During Phase II Investigations.

UNIT	LOCATION	LEVEL	DEPTH	TYPE	MATERIAL
STP A93 N	N415 W115	3	0.8 - 1.4 ft	Flake	Argillite
Trench A2-1	N 50 W102.5	3	1 - 2.2 ft	Flake	Chert (gray)
Trench B1-2	S 11 E 81.5	4	1.8 - 2.1 ft	Flake	Quartzite
Trench B4-1	S130 W 1.5	2	0.7 - 1.7 ft	Flake	Quartzite
Trench B4-2	S130 W 20	8	3.8 - 4.5 ft	Point	Quartz
Trench B5-1	S101.5 W 7.5	2	0.8 - 2.1 ft	Flake	Argillite
Trench B5-2	S 81.5 W 5	2	1.7 - 2.4 ft	Flake	Chert (gray)

With the exception of the projectile point, none of the prehistoric artifacts recovered were diagnostic. The point, found in Section B, is a Levanna—it is triangular, measures 31 millimeters (mm) long, is 29 mm wide at the base, and is about 5 mm thick in the center. Points of this type date to the Woodland Period (more specifically the Late Woodland, from 700 to 1200 A.D.) and are fairly common in New York and Massachusetts (Hranicky 1994). The other six prehistoric artifacts recovered during the Phase II excavations are all manufacturing debris of different raw materials. No cores or other prehistoric artifacts, such as fire-cracked rock or pottery, were found during the excavations. No prehistoric features were encountered. Material recovered during the Phase II evaluation does not suggest the presence of a NRHP-eligible prehistoric site within the project area. No human remains or burial features were encountered during the testing.

## 7.2 HISTORIC INVESTIGATIONS

Phase II investigations of historic deposits within the BRAC excess parcel of Fort Totten were conducted in Sections A, B, and C. Specifically, ten features identified during the Phase I survey of the parcel were explored, as were two previously unidentified features. This includes Features A1-A5 in the Parade Ground, Features B1-B5 in the open area to the east of the Parade Ground, and Features C1 and C2 located in the lawns surrounding the Fort's Chapel.

### 7.2.1 Section A

Based on the Phase I survey results (Bienenfeld and Leininger 1998), the Parade Ground contained an artifact scatter and features potentially dating to the historic military occupation of the tract. More specifically, it was thought that Section A had the potential to contain archaeological deposits associated with Camp Morgan, a stopping point for Union soldiers on the way to the southern front. As such, additional testing was undertaken.

The Phase II work in Section A consisted of the hand excavation of a total of 51 STPs and four trenches (15 of these STPs were radials around three isolated prehistoric finds, however most of the STPs produced historic material). Remaining STPs and all larger units were excavated to explore historic deposits in the section. These excavations yielded 1,803 artifacts (approximately 25 percent of the total Phase II recovery) and excavation units totaled 85 square ft (approximately 23 percent of the total area excavated during the Phase II). Features identified and artifacts recovered suggest that deposits located in Section A are more likely associated with the Reconstruction Period occupation of the tract. In addition, these deposits retain integrity and have demonstrated the capacity to yield additional, otherwise unobtainable, historical information.

The Phase II work was focused in the southern portion of the Parade Ground and resulted in the exploration of five features. Three of these features were identified during the Phase I survey (Features A1, A2, and A3) and two (A4 and A5) were discovered during the Phase II work. Features A1 and A2 are intact foundation remnants constructed of brick, stone, mortar, and cement. Feature A3 appears to be an area of soil displacement likely associated with either the construction or demolition of Features A1 and A2. Feature A4 appears to be an associated trash pit. Feature A5 is a possible post hole.

#### 7.2.1.1 Section A Features

The foundation remnant designated Feature A1 measures approximately 10.67 m (35 ft) by 16.76 m (55 ft) with the longer side roughly paralleling (at less than 15 m [50 ft]) Story Avenue to the south. A portion of the south wall and the northwest corner (both intact) of the former building were exposed during the Phase II work at a depth of about 1 m (3.5 ft) below surface.

The foundation remnant designated Feature A2 is located in the extreme southwest corner of the section within an area of soil disturbance measuring roughly 30 m (100 ft) by 18 m (60 ft). The longer axis runs along Murray Avenue (north-south). A portion of the intact cement floor was exposed during the Phase II work at roughly 1.2 m (4 ft) below surface.

Excavations in the area of Feature A3 revealed an area of displaced soil just north of Features A1 and A2. No structural remains were encountered. It seems likely that the soil disturbance is associated with the construction or demolition of Features A1 and A2. The displaced soils extend approximately 30 m (100 ft) north of Feature A1.

Feature A4 is located to the east of Features A1-A3. It measures less than 15 m<sup>2</sup> (50 ft<sup>2</sup>) and extends to below-surface depths of greater than 2 m (6 ft). Based on unit excavations in the northwest portion of the feature, it is basin shaped and is composed of a series of artifact-rich fill episodes.

Feature A5 is a possible post feature, which was discovered during Feature A3 excavations. It measures roughly 0.18 m by 0.12 m (0.6 ft by 0.4 ft) and extends to a below-surface depth of about 1.2 m (4 ft).

### 7.2.1.2 Section A Artifacts

Historic to modern artifact recovery in Section A totals 1,801 pieces, 15 of which were recovered from excavations associated with prehistoric Phase II investigations. Not including those items recovered from the prehistoric investigations, artifact recovery in Section A includes ceramics (n=184), container glass (n=427), floral and faunal remains (n=105), architectural debris (n=827), house and hardware items (n=201), personal items (n=24), and 18 pieces that do not fall within those categories.

Refined white earthenwares were the most common ceramic item recovered (n=134 or 72 percent of the food-related ceramics found). Falling within this category are seven pieces of pearlware, 118 whiteware sherds, and nine ironstone fragments. Also recovered during Section A historic investigations are sherds of porcelain, hard-bodied earthenwares (such as yellowware and Rockinghamware), coarse stonewares, and coarse earthenwares (including redware and buff-bodied pieces).

All of these wares were in production through the later part of the 19th century with the exception of the pearlware which decreased in popularity during the early 1800s. Most of the whiteware pieces recovered are undecorated although some of the whiteware sherds have handpainted (n=2) or transferprinted design (n=22, eighteen of which were recovered from Feature A4 excavations). Two pieces were found that have a solid-colored glaze all over the surface. The transferprinted pieces recovered are limited in color to blue and brown. While transferprinting in general declined in popularity in the 1850s, there was a resurgence in popularity in the early 1870s, with a high demand for brown-colored prints (Miller 1991). Alexandria Archaeology (n.d.) assigns a late 19th- to 20th-century date to whitewares with solid-colored surfaces.

Non-diagnostic body fragments represent the majority of container glass recovery within Section A. Most of the pieces are likely food and beverage containers although some are undoubtedly associated with health and hygiene products. Sixteen of the glass fragments recovered have embossed designs or lettering which was not common until the late 1860s (Polak 1997). A few lip or rim fragments (n=10) were also recovered exhibiting a variety of 19th- and 20th-century finishing techniques.

Two hundred and six glass fragments recovered were either brown, amber, dark green, or aqua in color. This number represents 48 percent of the container glass recovery associated with Section A excavations. Glass of these colors has been manufactured in the U.S. since the 17th century and production continues today. Seventy-one of these pieces are from Ricketts-type bottles which were manufactured from approximately 1820 to 1920. Ricketts-type bottles were used for both beverages and medicines (Jones et al. 1989). Remaining glass colors include colorless and amethyst fragments (n=157 or 37 percent of total) and green, light green, and opaque fragments (n=64 or 15 percent). The production of colorless glass increased in the 1880s as demand grew for food storage containers. Colorless glass was sometimes achieved by the addition of manganese during the manufacturing process. Glass of this type turns amethyst after exposure to sunlight and generally dates from the 1880s to the early 1900s (Deiss 1981).



Floral and faunal remains total 105 pieces. The vast majority of these pieces were recovered from Feature A4 excavations (n=89 or 85 percent). As many have butcher marks and some of the pieces are burnt, these bones seem to be subsistence related. Some bivalve shell fragments and a piece of nut shell were also recovered. These cannot be definitely linked to human consumption.

Just over 46 percent (n=827) of the artifacts recovered in Section A are architectural debris. This includes aqua window glass (n=242 or 29 percent of the total) and nails (n=564 or 68 percent of total). Most of the nails are cut (probably masonry) although 171 unidentifiable nail fragments and one wire nail were found. The remaining three percent of architectural debris recovered is divided among brick fragments, putty, plaster, cut stone, and utility pipe fragments.

House and hardware items recovered total 201 pieces. This includes 126 artifacts associated with lighting (one light bulb fragment, 117 lamp chimney fragments [all from Feature A2 excavations], and eight glass lamp shade fragments). Other items recovered which fall under this category include ink bottle fragments (both glass [n=1] and ceramic [n=1]), and metal items like screws, bolts, spikes, stripping, tubing and the like. Lead, brass, and ferrous items were recovered.

Personal effects recovery was limited to 24 pieces. Nine kaolin tobacco pipe fragments were recovered, as was a kaolin bead. Clothing-related items recovered include five buttons or button fragments, a wrist watch part, and a fragment of a fabric shoe. Only one of the buttons is overtly military and it has a spread eagle insignia. Other buttons recovered are plain glass or small non-diagnostic metal fragments. Arms-related artifacts found in Section A are limited to two lead bullets (earlyunjacketed-type but not true minie balls) and two brass cartridge cases (.45 caliber, corroded bases). Also found in Section A excavations was part of a bone toothbrush and part of a mirror.

Other items recovered during Phase II investigations in Section A include modern items such as coins, plastic, and rubber, and one ball of clay (in plastic state) recovered from Feature A1 excavations.

### 7.2.2 Section B

Based on the Phase I survey results (Bienenfeld and Leininger 1998), Section B (the open area immediately to the east of the Parade Grounds) contained an artifact scatter and features potentially dating to the historic military occupation of the tract. More specifically, Section B was identified as having the potential to contain archaeological deposits associated with the Civil War Period hospital complex and living quarters. As such additional testing was conducted in the Section.

The additional work consisted of the hand excavation of a total of 50 STPs and 12 test units. Four of the STPs were radials around a Phase I STP which produced prehistoric artifacts. These radials yielded only historic material. Remaining STPs and all larger test units were excavated to examine historic deposits in the section. Five thousand and seventy-one artifacts (including five prehistoric lithic items) were recovered from



Section B Phase II excavations (71 percent of the total Phase II recovery) and test unit excavations totaled 21.4 square m (237.5 square ft) (66 percent of the total area excavated during the Phase II). Reference material consulted, features examined, and artifacts recovered suggest that deposits located in Section B are associated with the Civil War to Reconstruction and Endicott-Taft Periods of occupation of the tract. In addition, these historic deposits retain integrity and have demonstrated the capacity to yield additional, otherwise unobtainable, historical information.

The Phase II work resulted in the exploration of five features (Features B1 through B5). These features were identified during the Phase I survey. Feature B1 is an area containing what may be the remains of the first post storehouse or sutler; Features B2 and B3 are intact foundation remnants (possibly officer's quarters) constructed of stone, brick, mortar and cement; Feature B4 is a trash pit; and Feature B5 is a cement beam (or a series of cement beams) which appears to be modern or recent and archaeologically insignificant.

#### 7.2.2.1 Section B Features

The area designated Feature B1 is located in the northern portion of the section, along Weaver Avenue. It covers an area measuring roughly 15 m (50 ft) by 10 m (30 ft). The remains of two possible pilings or footers were exposed during the Phase II testing. These possible pilings do not appear to be intact (one large cut stone and a concentration of disarticulated brick were encountered). The surrounding grounds, however, do appear to be and they contain a very dense scatter of artifacts, doubtless associated with the building that was once present in this location.

The foundation remnant designated Feature B2 is located in the extreme northwest corner of Section B, along Weaver Avenue. The foundation measures roughly 15 m<sup>2</sup> (50 ft<sup>2</sup>) and based on its alignment, its construction predates the current Weaver Avenue. Intact portions of the foundation were exposed in STPs and excavation units, at an average depth of 0.6 m (2 ft) below surface.

The foundation remnant designated Feature B3 is located just to the south of Feature B3. Ground disturbance associated with this feature covers an area measuring roughly 18 m (60 ft) by 10 m (30 ft), while the foundation itself is slightly smaller (15 m [50 ft] by 7.6 m [25 ft]). A portion of the exterior builder's trench along the south structural wall was excavated during the Phase II investigation as was a portion of the interior of the building (the northwest corner). The north and west walls of this foundation remnant are visible on the ground surface.

Feature B4 is a trash pit located in the central portion of the Section, to the south and/or east of the previously discussed features. This feature appears to be no larger than 27 m (90 ft) by 11 m (35 ft) and it actually appears to be a natural low area which was utilized as a dump, as intact (plowed) A and B horizon soils were present below historic feature fill in all test units excavated. Many of the artifacts recovered from this dump appear to have been burnt and there were pockets of lime, coal, cinders, and shell throughout the excavated areas.

Feature B5 is a cement beam (or series of beams) discovered in excavations in the south to southeastern portion of the section. The purpose of the beam is undetermined but it appears to be recent and does not appear to be associated with any historic structures.

#### 7.2.2.2 Section B Artifacts

Historic to modern artifact recovery in Section B totals 5,066 items, 53 of which were recovered from excavations associated with prehistoric testing. Not including those 53 pieces, artifact recovery in Section B includes ceramics (n=306), container glass (n=1,222), floral and faunal remains (n=175), architectural debris (n=2,816), house and hardware items (n=289), personal items (n=173), and other items (n=32) that do not fall within those categories.

Refined white earthenwares were the most common ceramic item recovered (n=238 or 77 percent of the food-related ceramic sherds recovered) from Phase II testing in Section B. Falling within this category are seven pieces of pearlware, 115 whiteware sherds, and 116 ironstone sherds. Also recovered from Section B excavations are pieces of porcelain, hard-bodied earthenwares (including refined redware, red refined earthenware, yellowware, and Rockinghamware), coarse stonewares, and coarse earthenwares (including terra cotta pieces, redware, buff-bodied earthenwares, and agateware). All of these wares were in production through the later part of the 1800s with the exception of pearlware, which decreased in popularity in the early 1800s.

Most of the whiteware recovered is undecorated although a few of the pieces have handpainted (n=4, three of which mend), annular (n=2), stamped (n=2), or transferprinted (n=10, three of which mend) designs. Alexandria Archaeology associates these styles with the following dates: handpainted design, post 1820; annularware, 1820-1850; stamped decoration, 1840 to 1860; and transferprints, post 1820 (Alexandria Archaeology, n.d.). Some of the other ceramic sherds recovered (including whiteware and ironstone) are molded.

The majority of container glass fragments recovered are non-diagnostic body sherds. Most of the pieces are likely food and beverage containers although some are undoubtedly associated with health and hygiene products. Thirty-two of the pieces recovered have embossed designs or lettering which was not common until the late 1860s (Polak 1997). Several lip or rim fragments (n=52) were also recovered, exhibiting a variety of finishing techniques.

Five hundred and eighty-nine of the glass fragments recovered were either brown, amber, dark green, or aqua in color. This represents 48 percent of the container glass recovery associated with Section B excavations. Remaining glass colors include colorless and amethyst fragments (n=385 or 32 percent of the total glass recovery for the section) and light green, green, and opaque fragment (n=248 or 20 percent).

Floral and faunal remains total 175 pieces. This includes some overtly food-related items such as cut and burnt bone and other remains such as bivalve shell fragments, small mammal and bird bones, and wood used for construction.

Over 50 percent of the total artifacts recovered from Section B excavations is architectural debris. This includes aqua window glass (n=825 or 29 percent of the total architectural debris recovered in the section), four pieces of window came, and nails (n=1874 or 67 percent of total). Most of the nails are cut, although 64 wire and 594 unidentifiable pieces were found. The remaining four percent of architectural debris recovered is split between brick and stone fragments, ceramic tiling and piping, plaster, putty, and tar.

House and hardware items recovered total 289 pieces. This includes lighting-related artifacts such as lamp chimney glass, oil-lamp parts, and lampshade fragments; inkwells and inkwell fragments (one complete ceramic ink well, one whole umbrella-type glass well, one larger inking bottle with a pouring lip, and numerous umbrella-type well fragments were found); and miscellaneous hardware items (screws, nuts, bolts, sheeting, stripping, tubing and the like), and unidentifiable metal fragments. Several key fragments were found, as were parts of a door lock and door knob fragments. A whole pair of scissors was also found. Additionally four pieces of sprue were recovered. Metal items falling under this category are composed of ferrous material, lead, pewter, and brass.

One hundred and seventy-three artifacts were recovered which fall under the personal effects category. This number includes tobacco pipe fragments (two terra cotta, two gray-bodied ceramic, and 74 kaolin), clothing-related items such as shoe parts (n=13), a shoe horn, buttons (n=24 plus one brass clothing clasp) and military insignia (n=2). One of the insignia is a pin with the Army Corps of Engineers castle cut out in brass and the other is a shield with stars at the top and bars at the bottom (also brass). Some of the buttons are also military in nature, most having the spread-eagle insignia. Other items recovered from Section B excavations include coins ranging in date from the 1860s through the 1890s (n=4), a bone toothbrush (almost complete), five mirror fragments, a knife, a leather grommet, a drafting compass and pen or pencil clip, and finally 15 arms-related items. This includes three lead bullets (2 are minie balls) and 12 brass cartridge cases (.50, .45, .30, and .22 caliber cases are represented). No markings are legible on the bases with the exception of the .22; it is marked with the letter U.

Other items recovered during the Phase II investigation of Section B include coal, slag, plastic, and carbon battery cores.

### 7.2.3 Section C

Two features were identified during the Phase I investigation of Section C, that land surrounding the Fort Chapel. The features were designated Feature C1 and C2. Feature C1 was interpreted as a possible post hole and Feature C2 was interpreted as the possible remains of a Fire Control Station (Bienenfeld and Leininger 1998). At the

recommendation of the New York SHPO, Phase II evaluations were conducted in this area.

Archaeological testing of Section C during the Phase II work consisted of the hand excavation of 13 STPs and two larger excavation units. Excavation units totaled 37.5 square ft (approximately 10 percent of the total Phase II unit excavation). Shovel test pit and unit excavation yielded 246 historic to modern artifacts (three percent of the total Phase II artifact recovery). Reference material consulted, features examined, and artifact recovery suggest that Feature C1 is likely associated with the first Post Chapel (1870s to 1930s [Trieschmann and Gettings 1998]) and Feature C2 is associated with a Fire Control Station (1903-1930s [Bienenfeld and Leininger 1998]). The integrity of both of these features has been compromised by historic and recent construction and infrastructure improvements. In addition, these deposits have not demonstrated the capacity to yield additional, otherwise unobtainable, historical information.

#### 7.2.3.1 Section C Features

The area designated Feature C1 is limited in extent to an area measuring less than 10 m by 5 m (30 ft by 15 ft). It is located to the immediate east of the present Chapel on a sloped bank. Excavations in the area exposed a portion of the southern feature boundary. A cement slab lined at the southern edge with cobbles was located at about 1 m (3.5 ft) below surface. None of the STPs excavated in the immediate vicinity of the feature located additional structural remains. This feature appears to be very narrow and is located on a banked hillside. Because the original Chapel is recorded as being a wood frame structure (Trieschmann and Gettings 1997) immediately adjacent to Murray Avenue this feature is interpreted as the remains of a walkway (or possibly stairs) located near the original Chapel.

Feature C2 is located in the extreme northeast corner of the Section. It is characterized by a concentration of architectural debris, most of which is disturbed. Excavations revealed only a small portion of an intact foundation remnant (less than 3m [10 ft] long) at a depth of 0.6 m (2 ft) below surface. Based on excavations this foundation supported an aboveground structure and no evidence of a floor or basement remains. No other intact structural remains were found in association with the wall. Profiles throughout the area exhibited extensive disturbance likely associated with road and parking lot improvements and utility lines.

#### 7.2.3.1 Section C Artifacts

Because Features C1 and C2 do not seem to be interrelated features, artifact recovery associated with each feature is discussed separately within this section.

Excavations at Feature C1 yielded only 45 artifacts. Included are five pieces of ceramic (three porcelain sherds and two whiteware sherds), 21 glass fragments (aqua, light green, green, and colorless all non-diagnostic base and body sherds), one piece of unidentified mammal bone, some nail fragments (two wire, one cut, and three unidentifiable), one window pane fragment, a piece of roofing slate, a horseshoe, a brass oil lamp part, a light

bulb base, and a post-1900 military uniform button. Although many of these pieces were found in Feature C1 "fill", they cannot be definitely linked with the feature as the fill just appears to be topsoil pushed over the feature to even the hillside.

Two hundred and four historic and modern artifacts were recovered during Feature C2 testing. This includes six ceramic sherds (three porcelain fragments [two of which mend], one piece each of redware, ironstone, and buff-bodied stoneware), 42 pieces of container glass, one scallop shell fragment, 130 pieces of assorted architectural debris, 22 items falling under the house and hardware category, and three pieces of plastic. Container glass varied in color and 88 percent of the pieces are plain body sherds. The remaining five pieces are embossed, one of which appears to be from a green ginger ale bottle (embossed "...ANADA").

Architectural debris consists largely of nails ( $n=78$ ) and window glass ( $n=31$ ). Most of the nails are wire ( $n=42$ ) although nine cut (masonry) nails and 27 unidentifiable nails were also found. Most of the window glass is aqua but several pieces are colorless fragments reinforced with chicken wire. Other artifacts recovered which fall under this category are ceramic tile ( $n=2$ ) and sewer pipe ( $n=19$ ) sherds.

House and hardware items recovered are primarily hardware. They include a door pintle, several ferrous wire fragments, lead washers, sheeting, stripping, a zinc screw, and a pewter sprue.

## 8.0 CONCLUSIONS

In the fall of 1997, Phase II archaeological investigations were conducted on portions of the BRAC parcel at Fort Totten. Both prehistoric isolates and historic deposits were evaluated.

Prehistoric materials within the BRAC parcel at Fort Totten are limited. During the Phase I investigation, 210 STPs were excavated across the tract. Five of these STPs produced prehistoric lithic debitage. Additional excavations during the Phase II work consisted of 114 STPs and 18 larger excavation units (totaling 32.4 square m [360 square ft] of unit excavation to sterile subsoil). This Phase II testing yielded an additional seven prehistoric artifacts—six flakes and one projectile point. The isolated prehistoric projectile point is a small triangular quartz Levanna type, associated with the Late Woodland Period. No other prehistoric materials like fire-cracked rock or pottery were found. No prehistoric features were encountered. Based on these finds, prehistoric occupation of the parcel investigated seems to be limited to occasional use. Artifact recovery does not suggest the presence of prehistoric deposits associated with more long term or stable use of the tract such as campsites or lithic reduction stations. No human remains were encountered during the testing.

Historic features investigated in Section A are linked to the historic military occupation of the tract. The Phase I investigation of the tract identified a 19th-century artifact scatter across the entire Parade Ground and three features. Phase II testing in the Parade Ground (Section A) revealed two intact foundation remnants, a refuse pit, and a post



feature. All of these features are located in the southern portion of the Parade Ground, along Story Avenue. With the exception of the post (Feature A5), which produced only four unidentifiable nails, artifact recovery associated with features in Section A suggests that these buildings were occupied and the dump was used in the second half of the 19th century. Assigning a tighter date to the construction and occupation of these buildings based on artifact recovery is problematic as most of the artifacts recovered have been manufactured since the 19th century and manufacture continues today. Portland cement, present as flooring in both of the buildings, suggests that the buildings were standing in 1876 when the cement was first produced in the United States (Miller 1993). The presence of Rockinghamware and solarized glass in levels just above the intact cement flooring in both features suggest they were occupied during the 1870s and 1880s.

Historic map and document research lends additional insight to the temporal affiliation of the features located in Section A. The 1866 map of the Fort displays a faintly drawn hand-sketch of two buildings and a road in the southern portion of the Parade Ground. These drawings appear to have been added to the map after it was produced. The buildings are likely those encountered during the subsurface testing and the road is undoubtedly the present Story Avenue. Even if the map represents plans rather than actual features, it seems likely that if the road were extant when the map was made, it would be depicted. As such, the buildings and road are interpreted as post-Civil War Period features. Combining information retrieved from both subsurface testing and documentary research, the features in the Parade Ground (Section A) appear to be associated with the Reconstruction Period (1866 to 1885) of the tract as described in Section 3.2.2 of this report.

Artifact recovery and historic documentation also combine to provide information on the function of the buildings. A variety of table and glass ware was recovered during excavation. This includes hollow- and flat-vessel form ceramic sherds of pearlware, porcelain, whiteware, and ironstone. Some coarser earthenware and stoneware sherds from storage containers were also found. Fragments of glass tumblers and stemware were also recovered, as were bottles and other glass storage vessels. Much of the container glass recovered may be associated with beverage storage but some is undoubtedly related to personal health and hygiene. A number of personal items such as tobacco pipe fragments and clothing buttons were found, as was part of a bone toothbrush. Several glass ink well fragments were also recovered. These artifacts are more suggestive of domestic-type occupation than some other more task-specific function.

One of the buildings depicted in Section A on the 1866 map of the Fort is labeled "Cmdg Officers Qrts". This building, as depicted on the 1866 map, is located where Feature A1 was discovered. What is interesting about this is that it is contrary to most of the historic documentation reviewed. Written documentation suggests that the Commanding Officer's Quarters were located in Building 211, on Murray Avenue, to the west of the Parade Ground since 1867 (Trieschmann and Gettings 1998). It has also been reported that Officers during this time frame lived in two-story frame houses, while the barracks for the troops were large one-story buildings with basements (Fort Totten, n.d.). This information seems to suggest that perhaps plans were devised in 1866 to construct

officer's quarters in the Parade Grounds but barracks were constructed there instead, placing the Commanding Officer's Quarters across the street and providing him with a view of the Parade Ground and shore line to the east.

Phase I testing of Section B (the open area immediately to the east of the Parade Ground) also identified features and a scatter of 19th-century artifacts. These features and artifacts are associated with the historic military occupation of the tract. Phase II excavations exposed portions of two intact building foundations, a refuse pit, and possible footers to a building. The two intact building foundations (Features B2 and B3) are located in the northwest portion of Section B, along Weaver Avenue (Feature B2) and the sidewalk separating Section A from Section B (both Features B2 and B3). The refuse pit (Feature B4) is located in the central portion of the Section. The possible building footers (Feature B1) are located in the northern portion of the Section, east of Features B2 and B3, along Weaver Avenue. Artifacts recovered during the Phase I and Phase II investigations suggest a mid-19th to early-20th century occupation. Assigning a tighter date to the construction and occupation of these buildings based on artifact recovery is problematic as most of the artifacts recovered have been manufactured since the 19th century and manufacture continues today. Some 1860s coinage and Civil War Period ammunition were recovered from Feature B4 excavations which may suggest that the dump has been used since the Civil War.

Historic map and document research lends additional insight to the temporal affiliation and function of the features. Features identified during subsurface testing of the Section are not overtly present on the 1866 Plan of the Fort. There are, however, two buildings depicted on this map that may fall in the area that has been designated Section B. They are drawn as rectangular buildings and no additional information is provided. The next historic map reviewed dates to 1875. While the road configurations depicted on this map differ markedly from those present today, buildings are depicted in the general location where Features B1 and B2 were discovered. The building depicted on the 1875 map in the location of Feature B2 is similar in design to other buildings on the map that are very likely Officer's quarters. Maps dating to 1879 and 1890 also depict buildings in Section B. The building located in the general vicinity of Feature B1 is clearly labeled "Sutler" on the 1890 map and may also be on the 1879 map (writing is not legible). A large building labeled "Barracks" is depicted in the location of Features B2 and B3. If the maps are accurate representations of extant buildings, they suggest that what have been identified as distinct and separate features (B2 and B3) are actually part of the same building. Phase II investigations of the Section do not confirm this, as intact soil profiles were present in probes and STPs excavated between the two, and probing was not successful in identifying intact structural remains connecting the two. Finally, the last map on which structures are depicted in Section B dates to 1904. Buildings depicted on this map more closely resemble those shown on the 1875 map. By 1910, Section B is depicted as open land.

Artifact recovery supports the function designations provided on historic maps. Fragments of numerous ironstone storage containers were recovered from excavations associated with Features B1 and B4. These containers were likely used in the post storehouse or sutler. Large numbers of bottle and container glass were also found. Ink



dispensing bottles and ink well fragments were relatively common finds in Section B excavations. All of these items were likely sold to people posted at the Fort. Domestic refuse was recovered from excavations as well, including tableware ceramic sherds of porcelain, pearlware, whiteware, and ironstone; glass tumbler and stemware fragments; clothing related items such as buttons, shoe parts, and military insignia; tobacco pipe fragments; and a bone toothbrush. Ammunition dating from the Civil War Period through the later 19th century was also recovered.

Phase II investigations in Section C were less fruitful. Feature C1 measures less than 10 m by 5 m (30 ft by 15 ft) in size. The very base of the feature does appear to be intact. It is composed of a cement slab and some cobbles and is built into a sloping hillside. Based on historic maps, this feature is likely associated with the first Post Chapel, which was replaced in the 1930s (Trieschmann and Gettings 1998). The original Post Chapel was a wood frame structure, however, so it is unlikely that the cement is the actual original Chapel foundation remnant. Historic maps dating to the 1800s suggest that the first Chapel was situated very close to Weaver Avenue to the east of the current Chapel. As such, this cement slab is interpreted as the possible remains of a stairway or walkway that was located near the original Chapel. It does not appear to be historically significant and excavations in the area yielded very few artifacts. It appears that removal activities associated with the original Chapel were thorough. In addition, it appears that the A horizon soils in the area have been disturbed by construction of the current Chapel, roadway improvement, and utility emplacement.

Feature C2, located in the extreme northern portion of Section C, also produced very few artifacts, most of which date to the 20th century. The artifact recovery supports the idea that structural remains designated C2 are associated with a 20th-century Fire Control Station depicted on maps dating from 1910 to 1935. The bulk of material recovered is architectural debris and miscellaneous hardware. One small portion of a building foundation was encountered during excavations; however, it represents no more than one quarter of the actual foundation. The rest of the structural remains appear to have been removed or destroyed by subsequent construction activities, particularly those associated with roadway improvement, parking lots, and utility line emplacement. Excavations suggest that this building did not have a basement and the floor was above ground. Additional excavations in this area are unlikely to produce information important to history.

In summary archaeological deposits located within the BRAC excess parcel of Fort Totten have been subjected to a Phase II investigation. The goal of this investigation was to determine whether the archaeological deposits present within the project area meet the criteria of eligibility for listing on the NRHP. Prehistoric materials encountered during the Phase I and II testing were found in areas disturbed by either the pre-military occupation (plowing) of the tract and/or by the historic military occupation (construction and other ground disturbing activities). No prehistoric features or artifact concentrations were encountered during testing. Additional excavations in Sections A and B are unlikely to yield information important in prehistory.

The historic military occupation of the tract is well represented archaeologically in Sections A and B, but not in Section C. Deposits examined in Sections A and B date to the second half of the 19th century, those in Section A roughly dating from 1866 to 1885, and those in Section B potentially dating from 1860 to 1910. Deposits in Section C date from the later part of the 19th century (Feature C1) and the early part of the 20th century (Feature C2). Deposits evaluated during the Phase II archaeological investigation of Sections A and B retain integrity. These deposits appear to be associated with the Acquisition to Reconstruction (1857 to 1885) and Endicott-Taft (1885 to 1914) Periods of occupation of the tract and the structural remains appear to embody distinctive characteristics of military construction efforts dating to those periods. Furthermore, Phase II excavations associated with the features in Sections A and B have demonstrated the capacity to yield important information on life at a late 19th century military installation.

Deposits in these areas (Section A and Section B), potentially contain information regarding development and coalescence of the nationalization and standardization of the U.S. military during the post-Civil War Era, when the U.S. was seeking to develop a broad national identity. During this period of history, the U.S. was both recovering from the Civil War and acquiring additional territories. At the same time, in the latter part of this period, the U.S. was absorbing large numbers of foreigners as immigrants, especially in New York City.

Other questions that could be addressed by archival research and excavations include those regarding maintenance of status and rank, particularly at an important northern military installation. An understanding of construction and landscaping in Sections A and B, which occurred prior to the development of national plans, could contribute information to those questions, as could an analysis of the degree of standardization of artifacts, particularly ceramics. In addition, information might be gained regarding the Fort's contribution to the local Bayside and regional economy.

In sum, no NRHP-eligible prehistoric deposits were encountered during the Phase II investigation of Fort Totten's excess parcel. There are, however, intact historic military deposits within the tract. Sections A and B are likely to be the only portions of Fort Totten containing archaeological deposits dating to the 19th century that retain any integrity whatsoever. Most of the land on Fort Totten has been disturbed through construction and utility emplacement, even around those standing buildings constructed in the later 19th century. Features in Section C do not possess sufficient integrity to be NRHP eligible and additional excavations in that Section are not likely to yield additional information important in history.

## 9.0

## RECOMMENDATIONS

No additional testing is recommended for the isolated prehistoric artifacts encountered during the Phase I and Phase II testing of the BRAC excess parcel at Fort Totten. Artifact recovery was limited to a few flakes and one Late Woodland Period projectile point. No other tools, artifacts, or features were found that would suggest the presence of a NRHP-eligible prehistoric site. No human remains were encountered during the testing.

It is recommended that the excess parcel at Fort Totten contains a site eligible for listing on the NRHP. This site meets eligibility criteria A and D and components of it are located in the Parade Ground (Section A) and the open park-like area to its east (Section B). Contained within these areas are features and artifacts potentially associated with the Acquisition to Reconstruction Period (1857-1885) and Endicott-Taft Period (1885-1914) occupations of the tract. These deposits retain integrity and have demonstrated the capacity to yield otherwise unobtainable information important to history.

Historic deposits located in the open land around the Post Chapel (Section C) are recommended as ineligible for listing on the NRHP. The integrity of this parcel has been compromised by historic and recent demolition and construction activities. Furthermore, excavation in the Section resulted in limited artifact recovery—this area has not demonstrated the capacity to yield otherwise unobtainable information important to history.

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## APPENDIX A. Qualifications of Investigators

## **EDUCATION**

Ph.D., Anthropology, State University of New York at Binghamton, 1986  
M.A., Anthropology, State University of New York at Binghamton, 1979  
B.A., Anthropology, University of Michigan, 1973

## **QUALIFICATIONS**

Dr. Bienenfeld has directed cultural resources compliance projects and acted as Senior Archaeologist for more than 20 years. She manages National Historic Preservation Act (NHPA) Section 110 and 106 projects and National Environmental Policy Act (NEPA) compliance projects throughout the Mid-Atlantic Region and nationwide, including archaeological, historical, and archival research; Phase I, II, and III field investigations; architectural history surveys; and NEPA documentation. She is experienced in directing and conducting archaeological, historical, and archival research; environmental assessments, Phase I, II, and III field investigations; artifact identification/cataloguing, report preparation, and NEPA documentation. Dr. Bienenfeld completed her master's thesis on the topic of development of 18th- and 19th-century towns in upper New York state. Her Ph.D. research involved use-wear studies of prehistoric stone tools. This research was continued with assemblages from Africa and the American Midwest. For more than a decade, she researched the manufacture and use of stone tools and developed microscopic analysis that provided invaluable information on both the past use of tools and the materials on which they were used.

Dr. Bienenfeld's 25 years of field experience reflect extensive survey and historic and prehistoric site excavation work in Maryland, Virginia, Iowa, Pennsylvania, Texas, Michigan, New York, New Jersey, Illinois, New England, Europe, and the Near East. She is the author of more than 40 professional papers and technical reports.

## **RELEVANT EXPERIENCE**

Project manager, Light Phase II excavations at 25 sites, Iowa Army Ammunition Plant, Burlington, Iowa. Supervises field and lab personnel and subcontractors to support NHPA-compliance archaeological excavations and report completion, U.S. Army Corps of Engineers, Mobile District.

Project manager, Phase II archaeological excavations, Fort Totten, Borough of Queens, New York City, New York. Supervised field and lab personnel to support Phase II archaeological excavations at this historic site and report completion, U.S. Army Corps of Engineers, Mobile District.

Project manager, Phase II archaeological excavations, Andrews Air Force Base, and Davidsonville Transmitter Station, Camp Springs, Prince George's County, Maryland. Supervises field and lab personnel to support Phase II archaeological excavations at nine prehistoric and historic sites and report completion, U.S. Air Force, Air Mobility Command.

Project manager, Phase II archaeological excavations, Blossom Point Field Test Facility, Charles County, Maryland, for U.S. Army Adelphi Laboratory Center, Adelphi, Maryland. Supervises field and lab personnel to support Phase I archaeological excavations at six prehistoric and historic sites and report completion, U.S. Army Materiel Command.

Project manager, Curations Project, U.S. Army Adelphi Laboratory Center, Adelphi, Maryland. Supervises lab personnel to support final curation and archival project for approximately 49 boxes of archaeological artifacts and associated documentation, U.S. Army Materiel Command.

Project manager, Phase I archaeological excavations, Iowa Army Ammunition Plant, Burlington, Iowa.

**PAULA BIENENFELD**  
***Senior Archaeologist***

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Supervised field and lab personnel to support Phase I archaeological excavations and report completion, Mason & Hanger.

Project manager, Intensive Phase I excavations at 14 sites, Iowa Army Ammunition Plant, Burlington, Iowa. Supervised field and lab personnel and subcontractors to support Phase I archaeological excavations and report completion, U.S. Army Materiel Command.

Project manager, National Historic Preservation Act Section 106 compliance projects at five bases in New York and New Jersey in support of Base Realignment and Closure actions. Supervises field and lab personnel and subcontractors to support Phase I archaeological excavations and report completion and architectural history tasks, U.S. Army Corps of Engineers, Mobile District.

Senior archaeologist, U.S. Army South (USARSO) relocation project, Environmental Assessment, U.S. Army Corps of Engineers, Mobile District. Senior technical lead and author for potentially affected cultural resources sections.

Senior archaeologist, Base Realignment and Closure National Environmental Policy Act (NEPA) documents for U.S. Army bases nationwide, U.S. Army Corps of Engineers, Mobile District. Senior technical lead and author for potentially affected cultural resources sections.

Senior archaeologist, Integrated Natural Resources Management Plans, United States Military Academy, West Point; Fort Campbell, Kentucky; and Deseret Chemical Depot, Utah, for U.S. Army. Senior technical lead and author for cultural resources sections of these innovative documents, which combined the Plan with an Environmental Assessment.

Project manager, NEPA documentation for ISTEPA renovation of Union Station, Charlottesville, Virginia, for Browne, Eichman, Dalglish, Gilpin, and Paxton, P.C., Architects, Charlottesville, Virginia. Coordinated with federal, state, and city agencies to complete required documentation.

Project manager, archaeological survey of the Leesburg Courthouse, Loudoun County, Virginia. Directed archival research, field excavations, and report preparation as part of this study of the 18th and 19th century activities at the courthouse for Virginia Department of Historic Resources.

Senior archaeologist, *Storage and Disposition of Weapons-Usable Fissile Materials Programmatic Environmental Impact Statement* (PEIS), U.S. Department of Energy, Office of Fissile Materials Disposition, Washington, DC. Wrote and acted as and peer reviewer for potentially affected environmental resources, including cultural and paleontological resources, geology and soils, and other environmental resources for this NEPA document.

Senior archaeologist, *Disposition of Surplus Highly Enriched Uranium Environmental Impact Statement*, U.S. Department of Energy, Office of Fissile Materials Disposition, Washington, DC. Author and peer reviewer for potentially affected environmental resources, including cultural and paleontological resources, geology and soils, and other environmental resources for this NEPA document.

Senior archaeologist, *Programmatic Environmental Impact Statement for Tritium Supply and Recycling*, U.S. Department of Energy, Washington, D.C. Author and peer reviewer for potentially affected environmental resources, including cultural and paleontological resources, geology and soils, and other environmental resources for this NEPA document.

**PAULA BIENENFELD**  
*Senior Archaeologist*

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Senior archaeologist, *Programmatic Environmental Impact Statement for Stockpile Stewardship and Management*, U.S. Department of Energy, Washington, D.C. Author and peer reviewer for potentially affected environmental resources, including cultural and paleontological resources, geology and soils, and other environmental resources for this NEPA document.

Senior archaeologist, Long-Term Programmatic Environmental Impact Statements, U.S. Department of Energy, Washington, DC. Coordinating results from the study of impacts on cultural resources at a number of candidate sites.

Course instructor, "Natural and Cultural Resources: Planning and Management Strategies for Federal Projects," Government Institutes, Inc.

Project manager, Hanover County Archaeological Assessment, Hanover County Department of Planning, Hanover, Virginia. Completed assessment of historic and prehistoric archaeological resources in this county. Responsible for archival research, analysis of historic documents and maps, and report writing; managed construction of a predictive model for county planners.

Project manager, Phase I Archaeological Investigation, Traceries, Inc. Conducted Phase I and additional excavations in Howard County, Maryland, at an 18th century historic house site, Montpelier. Work involved rapid start-up fieldwork and report completion.

Senior archaeologist, Environmental Assessment for Federal Drug Administration, General Services Administration, Washington, DC. Provided research and analysis for this NEPA document and assessed potential impacts on cultural resources at a proposed FDA facilities construction site.

Senior task leader, Environmental Assessment for low-altitude, high-speed training routes for the U.S. Air Force. This project required State Historic Preservation Office (SHPO) coordination and examination of potential impacts on cultural resources from proposed training routes throughout the mid-Atlantic coast.

Project manager, NEPA documentation for ISTEAs renovation of Manassas Railroad Depot, Browne, Eichman, Dalgliesh, Gilpin, and Paxton, P.C., Architects, Charlottesville, Virginia. Completed NEPA documentation for this ISTEAs project in Manassas, Virginia. Coordinated with federal, state, and city agencies to complete required documentation.

Senior archaeologist, Phase I Archaeological Investigation, Pennsylvania Department of Transportation (DOT). Conducted Phase I Archaeological Investigation in Lancaster County, Pennsylvania. Performed section 106 compliance for Pennsylvania DOT. Directed excavations for proposed covered bridge replacement.

Senior archaeologist, cultural resources studies, Pennsylvania DOT. Completed numerous cultural resources survey forms (PCRRF) for Pennsylvania Historic and Museum Commission as preliminary step to the section 106 compliance process.

Project manager, Phase I Archaeological Excavations, Pulte Home Corporation. Conducted Phase I excavations in Fairfax County, Virginia, for real estate developers.

Project manager, Phase II and III Archaeological Excavations, U.S. Fish and Wildlife Agency. Directed Phase II and III excavations. Responsible for report writing and coordination for sites in West Virginia that involved deeply stratified Archaic and Woodland Period components.

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**TETRA TECH, INC.**

**PAULA BIENENFELD**  
*Senior Archaeologist*

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Visiting scientist, Lithics Laboratory director, and lithics analyst for the Powers Phase Project, Smithsonian Institution. Conducted a study of two prehistoric Middle Mississippian villages. Responsible for choosing and directing student and community Smithsonian Institution volunteers.

Project manager, section 106 compliance, Maryland State Highway Administration. Conducted numerous Phase II and III terrestrial and underwater studies within the state of Maryland.

Project manager, Phase II Archaeological and Historical Investigations in Queen Anne's County, Maryland, Maryland State Highway Administration. Directed excavations and archival research at 18th to 19th century site, the Great Neck Road Site (18QU240) on Kent Island. Excavations revealed an 18th century structure.

Project manager, Phase III Archaeological Investigations at in Greene County, Pennsylvania, U.S. Department of Agriculture (USDA) Soil Conservation Service. Performed excavations and analysis of a prehistoric footbridge rockshelter found to have been occupied from the Late Archaic through Late Woodland Periods.

Project manager, Phase II Archaeological and Historical Investigations, Frederick County, Maryland, Maryland State Highway Administration. Performed extensive excavations and research at the Shriner Site (18FR633), a prehistoric and historic site in northern Maryland. The site yielded remains of a prehistoric component and early- to mid-19th century residence and blacksmith shop.

Senior archaeologist, Aztec Superfund Site, Alvin, Texas. Coordinated research and writeup of NEPA-required Environmental Assessment.

Project manager, Phase I Archaeological Studies, Martin State Airport, Baltimore County, Maryland. Possibility of asbestos from construction fill required testing for asbestos prior to archaeological fieldwork under OSHA regulations.

Project manager, Phase II Underwater Archaeological Study of Target B, Chester River, Maryland (MD 213 Relocation), Maryland State Highway Administration. In coordination with subcontractor, conducted the magnetometer location work required for Target B, which had been recorded during a previous magnetometer survey. This target was pinpointed, and its magnetic anomaly configurations were examined to indicate its characteristics and the identity of the cultural material of which it consists. Target B was found to be confined to a small area, with the likelihood that it is a single object of substantial ferrous mass. No further work was recommended.

Project manager, Phase II Archaeological Investigation at the Golf Center Site, Harford County, Maryland, Maryland State Highway Administration. Responsible for plowing the property prior to fieldwork. The investigations involved two stages—surface collection of the artifacts and excavation of shovel tests and larger meter square units. The excavations revealed an extensive multicomponent site.

Project manager, exhibit installation at the Benson-Hammond House, a historic 19th century farmhouse at Baltimore-Washington International (BWI) Airport, Maryland State Highway Administration. This project, conducted for Maryland State Aviation Administration through the Ralph M. Parsons Company, involved the development and installation of an exhibit of archaeological artifacts recovered on BWI property through various excavations. Work involved choosing and installing artifacts, developing the theme, and writing the script and labels for the exhibit.

Project manager, Phase I Archaeological Studies, Arlington County, Virginia, Arlington County Government. Excavations at a proposed neighborhood park revealed Civil War era remains. Site was located near an early

Freedman's Village, which was researched as part of this project.

Project manager, Phase II Archaeological Investigations and section 106 compliance, Frederick, Maryland, Maryland State Highway Administration. Responsible for overseeing the fieldwork, artifact analysis, and report writing for Dearbought, a site that included an 18th century farmstead. Research revealed that German immigrants had resided there.

Senior archaeologist, cultural resource investigation of proposed natural gas pipeline corridor in Pennsylvania, CNG Transmission Company. Responsible for coordinating field teams and for directing all lab activities.

Senior archaeologist, Archival Research, Baltimore Washington Airports Authority. Conducted artifacts analysis and report writing for a Phase I archaeological survey for section 106 compliance for a proposed runway addition at BWI.

#### **PROFESSIONAL AND ACADEMIC RECOGNITION AND AFFILIATIONS**

Commissioner, Montgomery County Historic Preservation Commission, Montgomery County, Maryland  
Society for American Archaeology  
Southeastern Archaeology Conference  
Archaeological Society of Maryland  
Acting President and Newsletter Editor, Society for Women Archaeologists  
Society for Historical Archaeology

#### **SPECIAL TRAINING**

OSHA 40-hour HAZMAT Certification

#### **PUBLICATIONS AND PRESENTATIONS**

The Gilde Site, a Red Ochre Burial Site in Shiawassee County. *Michigan Archaeologist* 21:153-160 (1975).

Using use-wear analysis to examine occupation length at a Dutch Neolithic site. Presented at the Second Conference on Chert Exploitation, Southern Illinois University Center for Archaeological Investigations, Carbondale, Illinois (1984).

Lithic use-wear study of the Swifterbant sites, S-51, S-4, and S-2. Swifterbant Contribution 13. *Helinium* 25: 194-211 (1985).

Stone tool use at five Neolithic sites in The Netherlands: A lithic use-wear analysis. Unpublished Ph.D. dissertation, Department of Anthropology, State University of New York at Binghamton (1986).

Stone tool use and the organization of technology in the Dutch Neolithic. In *Industries Lithiques: Traceologie et Technologie (Valbonne Round Table)*, ed. Sylvie Beyries. B.A.R. International Series 411, Oxford. Pp. 219-230 (1988).

Use-wear analysis of the Gassel flint assemblage. Contribution to Een Midden-Neolithische Nederzetting Bij Gassel, Gemeente Beers (N-BR.), by L.B.M. Verhart and L.P. Louwe Kooijmans. In *Oudheidkundige Mededelingen uit het Rijksmuseum van Oudheden te Leiden* 69:75-117 (1989).

A use-wear analysis of microliths from the Late Stone Age site of Toromoja I. In *Le Silex de sa Genese a L'Outil*, Actes du V Colloque International sur le Silex, Cahiers du Quaternaire No. 17. Pp.621-628 (1990).



**PAULA BIENENFELD**  
*Senior Archaeologist*

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Using AutoCAD to map an archaeological village site. *The Sourcebook*, American Association of Museum Publications (1991).

The lithic assemblage from the Snodgrass Site, a Mississippian Powers Phase village. Paper presented at the 56th Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana (1991).

Lithic variability at Snodgrass, a Middle Mississippian site in Southeast Missouri. Paper presented at the 48th Annual Meeting of the Southeastern Archaeological Conference, Jackson, Mississippi (1991).

Excavations at the Footbridge Rockshelter, Greene County, Pennsylvania. Paper presented at the Middle Atlantic Archaeology Conference (1992).

Duplicating archaeological microwear polishes with epoxy casts. Paper presented at the Southeastern Archaeological Conference, Raleigh, North Carolina (1993).

Introduction to lithic use-wear analysis. Invited talk presented at the Maryland Historical Trust Third Annual Workshop in Archeology, Crownsville, Maryland (March 1994).

Duplicating archaeological microwear polishes with epoxy casts. *Lithic Technology* (1994).

A prehistoric bipolar lithic reduction area in the Mid-Atlantic Region. Coauthored with Cynthia Pfanstiehl (in preparation).

Invited speaker, "Archaeology for Historic Preservation Commissions," Maryland Historical Trust Annual Conference on Historic Preservation (1995).

**TECHNICAL REPORTS**

*Phase II testing and Phase III excavation of Site 29 (18AN664), Russett Center, Anne Arundel County, Maryland.* Coauthored with John M. Rutherford and Michael D. Petraglia. Report on file at Maryland Historical Trust, Crownsville, Maryland (1989).

*Phase II Archaeological Investigations at Russett Phase Two of development, Anne Arundel County Site 5 (18AN665) and Site 10 (18AN667).* Coauthored with Cynthia Pfanstiehl, Eugene Goodman and Michael D. Petraglia. Report on file at Maryland Historical Trust, Crownsville, Maryland (1989).

*Phase II Archaeological Testing at Mexico Farms, Allegany County, Maryland.* Contribution to report authored by John Wingard and Michael D. Petraglia. Report on file at Maryland Historical Trust, Crownsville, Maryland (1989).

*Archaeological investigations at the Potomac Interceptor Extension, Loudoun County, Virginia.* Coauthored with Michael D. Petraglia, Jesse S. Daugherty, and Justin S. Patton. Report on file at Virginia Department of Historic Resources, Richmond, Virginia (1990).

*Report on Phase II Archaeological Evaluations at Dearbought (18FR32), Frederick County, Maryland.* Report on file at Project Planning Division, Maryland State Highway Administration. Coauthored with John Haynes, Jr., W. Andrew Wyatt, Elizabeth Haynes and Keith Russell (1991).

**PAULA BIENENFELD**  
*Senior Archaeologist*

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*Report on Phase I Archaeological Survey at Baltimore-Washington International Airport proposed runway 10R/28L.* Coauthored with John Haynes. Report on file at Maryland State Aviation Administration (1991).

*Phase I Archaeological Survey at Reston East Park-and-Ride, Fairfax County, Virginia.* Coauthored with Christine Hoepfner, Elizabeth Haynes, and Andrew Bickford. Report on file at Fairfax County Heritage Resources, Fairfax, Virginia (1992).

*Phase I Archaeological Survey at proposed Monroe Street park-and-ride facility, Fairfax County, Virginia.* Coauthored with Christine Hoepfner and Carey O'Reilly. Report on file at Virginia Department of Historic Resources, Richmond, Virginia (1992).

*Phase I Archaeological Survey at South Oak Street and Southgate Road, Arlington, Virginia.* Coauthored with Christine Hoepfner, Elizabeth Haynes, and Andrew Bickford. Report on file at Arlington County, Arlington, Virginia (1992).

*Phase I Archaeological Survey at Martin State Airport, Baltimore County, Maryland.* Coauthored with Christine Hoepfner, Elizabeth Haynes, and Andrew Bickford. Report on file at Maryland Historical Trust, Crownsville, Maryland (1992).

*A Phase II Survey of the Golf Center Site (18HA224), Harford County, Maryland.* Maryland State Highway Administration Archeological Report No. 58. Coauthored with Christine Hoepfner, Elizabeth Haynes, and Andrew Bickford. Report on file at Maryland Historical Trust, Crownsville, Maryland (1992).

*Preliminary Historic Review of Computer Facility Site Bureau of the Census, Bowie, Maryland.* Coauthored with Cynthia Pfanstiehl and Kimberly Prothro Williams. Report on file at Maryland Historical Trust, Crownsville, Maryland (1992).

*Supplementary Phase II Evaluation of the Crow Rock Bottom Site (36GR101), Wheeling Creek Watershed, Greene County, Pennsylvania.* Coauthored with Robert Adams. Report on file at International Archeological Consultants, Rollins, West Virginia (1992).

*Phase III Excavations at the Footbridge Rockshelter (36GR196), Wheeling Creek Watershed, Greene County, Pennsylvania.* Coauthored with Robert Adams. Report on file at International Archeological Consultants, Rollins, West Virginia (1992).

*Phase II Archaeological and Historical Investigations at the Shriner Site (18FR633), Frederick County, Maryland.* Coauthored with Cynthia Pfanstiehl, Andrew Bickford, and Forrest Crosley. Report on file at Maryland Historical Trust, Crownsville, Maryland (1993).

*Phase II Archaeological and Historical Investigations at the Great Neck Road Site (18QU240), Queen Anne's County, Maryland.* Coauthored with Cynthia Pfanstiehl and Andrew Bickford. Report on file at Maryland Historical Trust, Crownsville, Maryland (1993).

*A Phase III and Supplemental Phase II Archeological Study of the U.S. Fish & Wildlife National Education and Training Center, Terrapin Neck, West Virginia.* Coauthored with Jody Hopkins and Jennifer Sparenberg. Report on file at West Virginia Division of Culture and History, Charleston, West Virginia (1994).

*A Phase I Archeological Study at the Oaks at Crosspointe, Fairfax County, Virginia.* Coauthored with Karl Franz. Report on file at Fairfax County Heritage Resources, Fairfax, Virginia (1994).

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**TETRA TECH, INC.**

**PAULA BIENENFELD**  
**Senior Archaeologist**

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- A Phase I Archeological Study of S.R. 1010, Lancaster County, Pennsylvania.* Coauthored with Jody Hopkins III and Bernard Means. Report on file at Pennsylvania Historic and Museum Commission, Harrisburg, Pennsylvania (1994).
- A Phase I Archaeological Survey of Montpelier, Howard County, Maryland.* Coauthored with Evelyn Chandler and Hope Leininger. Report on file at the Maryland Historical Trust, Crownsville, Maryland (1996).
- An Archaeological Assessment of Hanover County, Virginia.* Coauthored with Hope Leininger. Report on file, Hanover County Planning Department, Hanover, Virginia (1996).
- A Phase I Archaeological Survey of Camp Kilmer, Middlesex County, New Jersey.* Coauthored with Hope Leininger. Report on file, U.S. Army Corps of Engineers, Mobile District, Mobile, Alabama (1996).
- A Phase I Archaeological Survey of Pedricktown Support Facility, Salem County, New Jersey.* Coauthored with Hope Leininger. Report on file, U.S. Army Corps of Engineers, Mobile District, Mobile, Alabama (1996).
- A Phase IA/B Archaeological Survey of the Bellmore Logistics Activity, Nassau County, New York.* Coauthored with Hope Leininger. Report on file, U.S. Army Corps of Engineers, Mobile District, Mobile, Alabama (1997).
- A Phase IA/B Archaeological Survey of Fort Totten, Queens County, New York City, New York.* Coauthored with Hope Leininger. Report on file, U.S. Army Corps of Engineers, Mobile District, Mobile, Alabama (1997).
- Intensive Phase I Archaeological Excavations at fourteen sites within the Iowa Army Ammunition Plant, Des Moines County, Iowa.* Draft report on file, Army Materiel Command Environmental Compliance Services, Rock Island, Illinois (1997).
- An Archaeological Survey of the Loudoun County Courthouse Square, Town of Leesburg, Virginia.* Report on file, Virginia Department of Historic Resources, Richmond, Virginia (1998).
- A Phase II Archaeological Investigation of Fort Totten, Queens County, New York City, New York.* Coauthored with Hope Leininger. Draft report on file, U.S. Army Corps of Engineers, Mobile District, Mobile, Alabama (1998).
- A Light Phase II Investigation of Sites 13DM303 and 13DM574 at the Iowa Army Ammunition Plant, Des Moines, Iowa.* Coauthored with Hope Leininger. Draft Report on file, U.S. Army Corps of Engineers, Mobile District, Mobile, Alabama (1998).
- A Phase II Archaeological Survey of Andrews Air Force Base, Prince George's County, and Davidsonville Transmitter Station, Anne Arundel County, Maryland.* Draft report on file, U.S. Air Force, Air Mobility Command, Andrews Air Force Base, Maryland (1999).
- Geophysical and Archaeological Investigations at the Smalley Family Cemetery, Camp Kilmer, Middlesex County, New Jersey.* Report on file, U.S. Army Corps of Engineers, Mobile District, Mobile, Alabama (1999).

**Education**

B.A. Anthropology, The Pennsylvania State University, 1990  
B.A. History, The Pennsylvania State University, 1990

Years at Tetra Tech 3

Years Other 5

**Capability Summary**

Ms. Leininger has been involved with cultural resources regulatory compliance work for over 8 years and is familiar with Federal, state, and local regulations and related personnel. She has experience conducting historical and archival research; cultural resources assessments; and Phase I, II, and III archaeological field and laboratory investigations. She has contributed to numerous technical reports. Prehistoric field and lab experience includes work on Paleoindian, Archaic, Woodland, and Mississippian Period sites. Historic experience includes investigations of 18th to 20th century domestic, military, and industrial sites. Ms. Leininger has experience working in Delaware, Georgia, Illinois, Iowa, Maryland, New Jersey, New York, Pennsylvania, and Virginia.

**Relevant Experience**

Archaeologist, Phase II investigations of two sites on the Iowa Army Ammunition Plant in Des Moines County, Iowa. National Historic Preservation Act Section 106 Compliance project in support of a proposed timber harvest. Conducted background research, supervised field and laboratory investigations, and prepared draft report.

Archaeologist, Phase II investigations at Andrews Air Force Base and the Davidsonville Transmission Station in Prince George's and Anne Arundel Counties, Maryland. National Historic Preservation Act Section 110 compliance project. Involved evaluations of nine archaeological sites ranging in date from the Archaic Period through the 20th century. Supervised field and laboratory personnel and participated in report preparation.

Archaeologist, Phase II excavations at Fort Totten, Borough of Queens, New York City. National Historic Preservation Act Section 106 compliance project in support of Base Realignment and Closure actions. U.S. Army Corps of Engineers, Mobile District. Supervised field and lab personnel, conducted artifact analyses and report preparation.

Field Archaeologist, Phase I investigation of a proposed highway corridor in Indiana, Pennsylvania for National Historic Preservation Act Section 106 compliance project. responsibilities included field survey and report preparation.

northeast. Tasks include field project management, artifact analysis, report preparation and archival research.

Archaeologist, *Storage and Disposition of Weapons-Usable Fissile Materials Programmatic Environmental Impact Statement*, Office of Fissile Materials Disposition, U.S. Department of Energy, Washington, D.C. Tasks included author of cultural and paleontological resources and peer reviewer for other resource areas relating to this *National Environmental Policy Act* (NEPA) document.

Archaeologist, *Programmatic Environmental Impact Statement for Stockpile Stewardship and Management*, Office of Reconfiguration, U.S. Department of Energy, Washington, D.C. Tasks included author of cultural and paleontological resources and peer reviewer for other resource areas relating to this NEPA document.

Archaeologist, *Disposition of Surplus Highly Enriched Uranium Environmental Impact Statement*, Office of Fissile Materials Disposition, U.S. Department of Energy, Washington, D.C. Tasks included author of cultural and paleontological resources and peer reviewer for other resource areas relating to this NEPA document.

Archaeologist, Hanover County Archaeological Assessment, Hanover County, Virginia, Planning Department. Conducted archival research and developed a predictive model to assess the prehistoric and historic archaeological resources in this rural/suburban county near Richmond. Completed GIS work to input site locations into the County's GIS system for planning purposes.

Archaeologist, Environmental Assessment, U.S. Air Force. Prepared the cultural resources portion of an environmental assessment for the U.S. Air Force involving two slow-speed, low-altitude training routes and drop zones. Project involved in-depth research of cultural resources falling within proposed flight corridors in Delaware and New Jersey.

Field Supervisor, Phase IC Archeological Investigation at Montpelier, Traceries, Washington, DC. Conducted Phase IC archaeological investigation at Montpelier, an 18th century historic structure and archaeological site in Howard County, Maryland for real estate development project. Directed fieldwork, completed artifact analysis and report writing.

Lab Technician, Phase IB Archaeological Investigation at Montpelier, Traceries, Washington, D.C. Conducted Phase IB archaeological investigation at Montpelier, Howard County, Maryland. Responsible for artifact analysis and cataloging.

Staff Archaeologist, Phase I through III Archaeological Investigations in Fairfax County, Elm

Hope A. Leininger  
Archaeologist

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Street Development, McLean, Virginia. Conducted various Phase I through III archaeological investigations over 1,100 acre tract (prehistoric and historic sites including Civil War component) slated for residential development in Fairfax County, Virginia. Responsible for archival research, fieldwork, site identification and analysis, laboratory work, and report writing.

Field and Lab Technician, Phase II and III archaeological investigations at City Island Site (36DA12), Harrisburg, Pennsylvania, State of Pennsylvania. Conducted Phase II and III archaeological investigations which involved deep testing, field excavation and artifact processing of multicomponent (Archaic, Woodland, and Historic Period) sites prior to the construction of the Pennsylvania Sports Hall of Fame.

Field Technician, Phase I Archaeological Investigation, Standard Chlorine, Newark, Delaware. Conducted a Phase I archaeological investigation in Newark, Delaware prior to Superfund cleanup.

Lab Technician, Phase II Archaeological Investigation, Maryland State Highway Administration. Conducted Phase II archaeological investigation at the Great Neck Road Site (18QU240) in Queen Anne's County, Maryland. Responsible for processing, analyzing, and cataloging of artifacts.

Lab Technician, Phase II Archaeological Excavation, Maryland State Highway Administration. Conducted Phase II archaeological excavation at the Shriner Site (18FR633), Frederick County, Maryland, for transmittal to the Maryland Historical Trust. Responsible for analysis and curation of artifacts.

Field and Lab Technician, Phase I Archaeological Investigation, General Services Administration, Washington, D.C. Conducted Phase I archaeological investigation prior to the construction of a Census Bureau facility in Bowie, Maryland. Responsible for fieldwork, artifact analysis, cataloging, and preparation of artifacts for curation.

Field Technician, Phase I and II Archaeological Investigations, Private Client. Conducted Phase I and II archaeological investigations of the Alfred Street Baptist Church in Alexandria, Virginia prior to its renovation and restoration.

Field Technician, Phase I and II Archaeological Investigations, Private Client. Conducted numerous Phase I and II archaeological investigations in Fairfax County, Virginia for real estate developers. Responsible for fieldwork on prehistoric and historic sites.

Field Technician, Phase I Archaeological Investigation, Private Client. Conducted numerous

Phase I archaeological investigations near Annapolis, Maryland for real estate developers.

Field Technician, Phase I and II Archaeological Investigations, CNG Transmission Company. Conducted Phase I and II archaeological investigations of proposed gas pipeline corridor in Pennsylvania. Responsible for deep testing.

Field and Lab Technician, Archaeological Investigation, Pennsylvania State University. Conducted archaeological investigation of a Mississippian Period site in northeast Georgia.

#### Training Certifications

Occupation Safety and Health Administration, 40 Hour Hazardous Materials Site Worker Certification, December 1995

#### Professional Affiliations

Society for American Archaeology

#### Technical Reports

*An Archaeological Assessment of Hanover County, Virginia.* Co-authored with Paula Bienenfeld. Report on file at Department of Historic Resources, Virginia (1996).

*Test Unit Excavations at Montpelier, Howard County, Maryland.* Co-authored with Paula Bienenfeld. Report on file at the Maryland Historical Trust, Crownsville, Maryland (1996).

*Phase I and II Archaeological Investigations of Section 3 of Balmoral Tract, Fairfax Virginia.* Co-authored with Kevin Etherton, John Graminski, and Cynthia Whitley. Report on file at Heritage Resources, Fairfax County, Virginia (1995).

*Phase I and II Archaeological Investigations of Section 6 of Balmoral Tract, Fairfax, Virginia.* Co-authored with Kevin Etherton, John Graminski, and Cynthia Whitley. Report on file at Heritage Resources, Fairfax County, Virginia (1995).

*Phase III Archaeological Investigation of Ivakota Farm (Balmoral Tract, Fairfax, Virginia).* Co-authored with Kevin Etherton, John Graminski, and Cynthia Whitley. Report on file at Heritage Resources, Fairfax County, Virginia (1994).



Hope A. Leininger  
Archaeologist

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August 1995 - Present	Tetra Tech, Inc., Archaeologist
March 1994 - August 1995	Terra, LC, Staff Archaeologist
November 1993 - February 1994	Temps & Company (Dames & Moore), Archaeological Field and Lab Technician
May 1993 - November 1993	Kemron Environmental Services, Archaeological Field and Lab Technician
May 1993 - November 1993	Steel Service Center Institute, Assistant to the Vice President
March 1992 - May 1993	Matters of Taste, Administrative Assistant
August 1991 - February 1992	Going Places (Engineering Science), Archaeological Field Technician
August 1990 - August 1991	International Advisory Services, Administrative Assistant

## APPENDIX B. Scope-of-Work

DEPARTMENT OF THE ARMY  
MOBILE DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 2288-0001  
Mobile, Alabama 36628-0001  
20 October, 1997

REPLY TO  
ATTENTION OF:

A-E Contracts Section  
Engineering Division

SUBJECT: Contract Number DACA01-96-D-0011

Mr. Richard M. Fisne  
Tetra Tech, Inc.  
10306 Eaton Place Suite 340  
Fairfax VA 22030

Gentlemen:

Reference is made to Contract Number DACA01-96-D-0011, Task Order Number 018, Scope of Work for Historic Building Inventories and Archeological Surveys at Selected Army BRAC Facilities. We propose to modify the referenced task order. Paragraph 2 of the Fort Totten work description included as part of Attachment A should be replaced with the following two paragraphs:

"Phase II archeological investigations will be conducted for those historic features located in Sections A, B, and C by the earlier Phase IA/B archeological survey conducted for Fort Totten by Tetra Tech in 1997. Additional shovel tests will also be conducted to determine the extent of the prehistoric finds previously located in Sections A and B. The contractor will also conduct examinations of archival materials curated at the New York City Landmarks Commission in order to supplement previous historic background investigations. All the above investigations will be conducted by the contractor in accordance with Exhibit 1 to Attachment A. Exhibit 1 delineates the number and types of shovel tests, trenches, probe tests, excavation units, etc. that are to be excavated for each feature included as part of these Phase II investigations. This excavation strategy has been coordinated with and approved by the office of the New York State Historic Preservation Officer.

As a part of these Phase II investigations, the Contractor will evaluate the integrity and research potential of these features and make recommendations as to whether the sites they belong to are eligible for the National Register of Historic Places. A report of investigations will be prepared to justify and document these recommendations. All sites investigated will be depicted on maps included in the report of investigations. Boundaries for sites recommended as being eligible for the National Register will be clearly delineated on these maps. New York state site forms will be completed by the contractor for each of the archeological sites examined by these Phase II investigations."

AGD11182

A copy of Exhibit 1 of Attachment A is attached to this letter.


Please prepare your price proposal for accomplishing the required services in sufficient detail to permit analysis thereof and submit not later than 24 October 1997. Your proposal should be addressed as follows:

District Engineer  
U.S. Army Engineer District, Mobile  
Attention: CESAM-EN-DW/Mr. Poiroux  
Post Office Box 2288  
Mobile, Alabama 36628-0001

You are cautioned that no work or services for which an additional cost or fee will be charged should be furnished without the prior written authorization of the Contracting Officer.

If you have any questions concerning the work requirements, please contact Mr. Bill McClelland at telephone (334) 441-6444.

Sincerely,

  
Roger N. Simmons  
Authorized Representative  
of the Contracting Officer

46011182

Exhibit 1  
Fort Totten Phase II Research Design

(Please note all test units are meter-square units, and all trenches are ca. 0.5 m by 5 m in size):

**Section A:**

**Feature A1.**

A hut or campsite, measuring approx. 200 ft east-west by 100 ft north-south. This feature may be deposits from a hut or campsite associated with Camp Morgan. It is a thick deposit of stones and cobbles with numerous historic artifacts.

*Proposed Excavations:*

For this feature probes at ca. 5 meter (m) intervals are proposed to identify the edges of the feature. Next, excavations of up to 5 ca. 0.5-m by 5-m trenches and 25 STPS to search for the edges of the feature and to determine whether or not the feature is in situ, or retains stratigraphic integrity will be conducted. Finally, excavations of up to four 1-m square test units, to search for features and determine stratigraphic integrity will be conducted.

**Feature A2.**

This feature is a layer of brick and mortar identified in STP 74, at from 66 cm to 89 cm below surface. Artifacts were non-diagnostic, but the feature may be a building associated with the Civil War Period occupation, or a later sentry post.

*Proposed Excavations:*

For this feature probes at ca. 5-m intervals are proposed to identify the edges of the feature. Next excavations of up to 2 trenches and 6 STPS to search for the edges of the feature will be conducted. Finally, excavations of up to 1 m square unit to search for features and determine stratigraphic integrity will be conducted.

**Feature A3.**

This feature appears to be 19th-century fill possibly associated with the construction of Camp Morgan. It was identified in two STPs (nos. 77 and 79). Nineteenth century artifacts were recovered in the fill down to over 1 m below surface. None of the military maps reviewed showed any structures in this area.

*Proposed Excavations:*

For this feature probes at ca. 5-m intervals to identify the edges of the feature are proposed. Next excavations of up to 4 trenches and 15 STPS will be conducted to

search for the edges of the feature. Finally, excavations of up to 1 m square unit to search for features and determine stratigraphic integrity will be conducted; one test unit is proposed.

In total for Section A 46 STPS, 11 trenches, and six m2 test units will be completed, excluding excavations around the prehistoric finds.

#### Section B:

##### Feature B1.

This feature was a large cut stone, probably a foundation stone, lying flat at 74 cm below surface in STP 9. The feature may be related to one of the Civil War Era hospitals.

##### *Proposed Excavations:*

For this feature probes at ca. 5-m intervals to identify the edges of the feature are proposed. Next excavations of up to 2 trenches and 6 STPS to search for the edges of the feature will be conducted. Finally, excavations of up to 1 m square unit to search for features and determine stratigraphic integrity will be conducted.

##### Feature B2.

This feature was found in STP 31 at 50 cm below surface, and was identified as impenetrable structural remains (brick, mortar, and stones). This feature resembles a dwelling that may be the Chief Surgeon's house, or another building associated with the Civil War Era hospital operations.

##### *Proposed Excavations:*

For this feature probes at ca. 5-m intervals are proposed to identify the edges of the feature. Next excavations of up to 2 trenches and 6 STPS to search for the edges of the feature will be conducted. Finally, excavations of up to 1 m square unit will be conducted to search for features and determine stratigraphic integrity.

##### Feature B3.

This feature was located in STP 33, and consisted of brick, nails, mortar, and burnt wood in association with cut stones, at 142 cm below surface. It is possible that this feature may be part of the same building that was identified in Feature B2.

##### *Proposed Excavations:*

For this feature probes at ca. 5-m intervals are proposed to identify the edges of the

feature. Next excavations of up to 2 trenches and 6 STPS will be conducted to search for the edges of the feature. Excavations will be aimed in part on identifying the relationship (if any) between Features B3 and B2. Finally, excavations of up to 1 m square unit will be conducted to search for features and determine stratigraphic integrity.

#### **Feature B4.**

This is a midden-like feature identified in four STPs, nos. 4, 5, 6, and 22, and measures 100 ft by 70 ft. It consisted of loose fill with ground shell, mortar, and ash, buttons, metal objects and ceramics. In some places the fill reached ca. 1 m in depth. This may be a dump or trash pit associated with the Civil War era hospital.

#### *Proposed Excavations.*

For this feature excavations of up to 4 trenches and 20 STPS to search for the edges of the feature will be conducted. Finally, excavations of up to 3 m-square units to search for features and determine stratigraphic integrity will be conducted.

#### **Feature B5.**

This feature was identified in STP 3, and may be remains of a privy or well again associated with the 19th-century hospital. The excavations went to 1 m below surface, but subsoil was not reached.

#### *Proposed Excavations.*

For this feature probes are proposed at ca. 5-m intervals to identify the edges of the feature, and excavation of up to 2 trenches and 8 STPS to search for the edges of the feature. Finally, excavation of up to 1 m square unit to search for features and determine stratigraphic integrity will be conducted.

In total for Section B excavations will consist of 12 trenches, 46 STPs and 7 m2 test units, excluding excavations around the prehistoric finds.

#### **Section C:**

##### **Feature C1.**

This feature was found in STP C 20, near the Chapel. It was a deep circular feature, most likely associated with the military. It resembles a post hole and is approximately 30 cm wide by 60 cm deep.

#### *Proposed Excavations.*

For this feature excavations of up to 2 trenches and 10 STPS are proposed to search



for the edges of the feature. Finally, excavations of up to 1 m square unit to search for features and determine stratigraphic integrity are proposed.

#### **Feature C2.**

This feature was an impenetrable level of brick and mortar, identified at 34 cm below surface in STP C 1. Nearby, in STP C 2, seven cut nails were recovered. Remains from both STPs may be associated with several fire control stations shown in maps from 1911 and 1935. The stations were constructed in 1903.

#### **Proposed Excavations.**

For this feature excavations of up to 2 trenches and 10 STPs to search for the edges of the feature are proposed. Finally, excavations of up to 1 m square unit to search for features and determine stratigraphic integrity will be conducted.

In total for Section C excavations will consist of 4 trenches, 20 STPs and 2 m2 test units.

#### **For the Prehistoric 'components':**

For Section A: at the 3 STPs with prehistoric artifacts, 4 STPs will be excavated each at each cardinal direction from the STP, for a total of 12 STPs.

For Section B, 4 STPs will be excavated around STP 30.

In total, 27 0.5-m by 5-m trenches, 128 STPs, and 15 meter-square test units will be excavated.

#### **Additional archival research:**

Archival research will include up to 2 days (16 hours) of research at the New York City Landmarks Commission.

#### **Additional Information:**

In addition, if any human remains are recovered, archaeologists will stop work in the area where the remains were found and notify the New York City Coroner's Office immediately.

## APPENDIX C. Representative Soil Logs

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A

Unit: 1-2

Location: N 175 E 96

Unit Size: 2' x 10'

Level: 1

Purpose: \_\_\_\_\_

Datum: SW CORNER

### Depths:

opening NW: 0 NE: 0 SW: 0 SE: .5 Center:

✓ closing NW: 1.3 NE: 1.2 SW: 1.3 SE: 1.4 Center:

Soil Description (Munsell, texture, inclusions, disturbance):

10YR 3/4 SILTY LOAM ROOTMAT

Artifacts (brief description and estimated count):

WINDOW GLASS, WIRE NAILS, BOTTLE GLASS FRAGMENTS, CUT STONE, WHITE WARE  
YELLOW WARE

Features:

NONE

Additional Comments (attachments, photographs, etc.):

Photos: Yes No

Date: 12/18/97

Initials: JE

7/1/98 A4-1  
Trench ABCH

TRASH-1  
Feb 4-4

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A Unit: 1-2

Location: N135 E196

Unit Size: 2' x 10' Level: 2

Purpose: \_\_\_\_\_

Datum: SW CORNER

Depths:

opening	NW: 1.1	NE: .95	SW: 1.3	SE: 1.4	Center:
closing	NW: 2.0	NE: 1.85	SW: 1.9	SE: 2.0	Center:

### Soil Description (Munsell, texture, inclusions, disturbance):

SEE FLOOR PLAN DRAWING FOR DESCRIPTIONS  
10YR 5/4 SILTY CLAY LOAM

### Artifacts (brief description and estimated count):

- ✓ ZONE A: TRANSFER WARE, NAILS, WINDOW GLASS (SAMPLE TAKEN), BOTTLE GLASS, WHITEWARE
- ✓ ZONE B: MORTAR (NL), ROOF SLATE (SAMPLE TAKEN), TRANSFER WARE, NAILS, WINDOW GLASS (SAMPLE TAKEN), BOTTLE GLASS, WHITEWARE.
- ✓ ZONE C: CUT BONE, WINDOW GLASS (SAMPLE TAKEN), NAILS, WHITE WARE.
- ✓ ZONE D: ROOF SLATE, WINDOW GLASS, WHITEWARE, NAILS, CUT BONE.

Features:  
A COMPACTED LAYER OF COARSE SAND 10YR 6/4 & 10YR 3/2 ENCOUNTERED IN NORTHER END OF TU. A BAND OF SILTY CLAY 10YR 5/4 EXTENDS 1.7' SOUTHWARD.

### Additional Comments (attachments, photographs, etc.):

Photos: Yes \ No

FOUR ZONES IN LEVEL 2 (A-D). EACH BAGGED SEPARATELY

Date: 12/18/92 Initials: JF

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A Unit: 1-2

Location: N175 E196

Unit Size: 2' x 10' Level: 3

Purpose: \_\_\_\_\_

Datum: SW CORNER

Depths:

opening	NW: 2.0	NE: 1.85	SW: 1.9	SE: 2.0	Center:
closing	NW: 3.1	NE: 3.0	SW: 2.7	SE: 2.6	Center:

### Soil Description (Munsell, texture, inclusions, disturbance):

SEE FLOOR PLAN. ZONES A & C MAY BE BURIED A HORIZONS  
ZONE A: 10YR 3/2 SILTY CLAY LOAM  
ZONE C: 10YR 3/3 SILTY CLAY LOAM

### Artifacts (brief description and estimated count):

MOST ARTIFACTS OUT OF ZONES A & C.

✓ ZONE A: TRANSFERWARE, NAILS, WINDOW GLASS, ROOF SLATE (SAMPLES TAKEN),  
KELIN PIPE STEMS, BOTTLE GLASS, BRICK FRAGS AND MORTAR (NC).

ZONE C: NAILS (SAMPLE TAKEN), WINDOW GLASS, CUT BONE

### Features:

ZONE B MAY BE BUILDER'S TRENCH.

NO ARTI. DGC

T.S

### Additional Comments (attachments, photographs, etc.):

Photos: Yes No

FOUR ZONES (A-D) IN LEVEL. EACH BAGGED SEPARATELY.

Date: 12/19/93 Initials: JF

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A Unit: 1-2

Location: N 175 E 196

Unit Size: 2' x 10' Level: 4

Purpose: \_\_\_\_\_  
\_\_\_\_\_

Datum: SW CORNER

### Depths:

opening NW: 3.1 NE: 3.0 SW: 2.7 SE: 2.6 Center:

closing NW: 8.0 NE: 8.0 SW: 4.5 SE: 4.7 Center:

Soil Description (Munsell, texture, inclusions, disturbance):

ZONE A: 10YR 5/4 SILTY CLAY LOAM

Artifacts (brief description and estimated count):

NO ARTIFACTS COLLECTED IN ZONE D

→ HOWEVER, ARTIFACTS  
WERE COLLECTED IN  
BAGS LABELED "ZONE A"  
AND "ZONE B"

Features:

Additional Comments (attachments, photographs, etc.):

Photos: Yes No

Date: 12/20/57

Initials: JF

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A Unit: 1-2

Location: N 175 E 196

Unit Size: 2' x 10' Level: 5 SOUTH SIDE

Purpose: \_\_\_\_\_

Datum: SW CORNER

Depths:

opening	NW:	NE:	SW: 4.5	SE: 4.7	Center:
closing	NW:	NE:	SW: 4.9	SE: 4.95	Center:

### Soil Description (Munsell, texture, inclusions, disturbance):

✓ ZONE A: 10YR 3/3 SILTY CLAY LOAM

### Artifacts (brief description and estimated count):

ZONE A - CUT BONE, NAILS, WINDOW GLASS, MORTAR AND CHARCOAL (NC)

### Features:

### Additional Comments (attachments, photographs, etc.):

Photos: Yes No

Date: 12/20/97

Initials: JF



# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A Unit: 1-2

Location: N 175 E 196

Unit Size: 2' x 10' Level: 6 SOUTH SIDE

Purpose: \_\_\_\_\_

Datum: SW CORNER

### Depths:

opening NW: NE: SW: 4.9 SE: 4.95 Center:

closing NW: NE: SW: 5.3 SE: 5.4 Center:

### Soil Description (Munsell, texture, inclusions, disturbance):

ZONE A: 10YR 5/6 SILTY SAND W/ COBBLES

### Artifacts (brief description and estimated count):

ZONE A: NAILS, MORTAR, BRICK FRAGS (NC)

### Features:

### Additional Comments (attachments, photographs, etc.):

Photos: Yes No

Date: 12/20/97

Initials: JF

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A

Unit: 1-2

Location: N 175 E 156

Unit Size: 2' x 10'

Level: 7 SOUTHSIDE

Purpose: \_\_\_\_\_

Datum: SW CORNER

### Depths:

opening NW: NE: SW: 5.3 SE: 5.4 Center:

closing NW: NE: SW: 5.5 SE: 5.7 Center:

### Soil Description (Munsell, texture, inclusions, disturbance):

104R 4/3 SILTY SAND W/ COBBLES

### Artifacts (brief description and estimated count):

NAILS, MORTAR, BRICK

### Features:

### Additional Comments (attachments, photographs, etc.):

Photos: Yes No

Date: 12/20/97

Initials: JP

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A Unit: 1-2

Location: N 175 E 196

Unit Size: 2' x 10' Level: 8 SOUTH SIDE

Purpose: \_\_\_\_\_  
\_\_\_\_\_

Datum: SW CORNER

Depths:

opening	NW:	NE:	SW: 5.5	SE: 5.7	Center:
closing	NW:	NE:	SW: 5.8	SE: 5.9	Center:

Soil Description (Munsell, texture, inclusions, disturbance):

LAYER OF MORTAR, CINDERS AND ASH.

Artifacts (brief description and estimated count):

✓ NAILS, MORTAR AND BRICK FRAGS (NO) (WINDOW GLASS (SAMPLE TAKEN))

Features:

LEVEL IS A LAYER OF CONSTRUCTION DEBRIS.

Additional Comments (attachments, photographs, etc.):

Photos: Yes No

Date: 12/20/97

Initials: JF

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: A

Unit: 1-2

Location: N175 E96

Unit Size: 2' x 10'

Level: 9 SOUTHSIDE

Purpose: \_\_\_\_\_

Datum: SW CORNER

### Depths:

opening NW: NE: SW: 5.8 SE: 5.9 Center:

closing NW: NE: SW: 6.5 SE: 6.65 Center:

### Soil Description (Munsell, texture, inclusions, disturbance):

1042 5/4 SILTY SAND WITH GRAVELS

### Artifacts (brief description and estimated count):

NONE COLLECTED

### Features:

NONE APPARENT

### Additional Comments (attachments, photographs, etc.):

Photos: Yes No

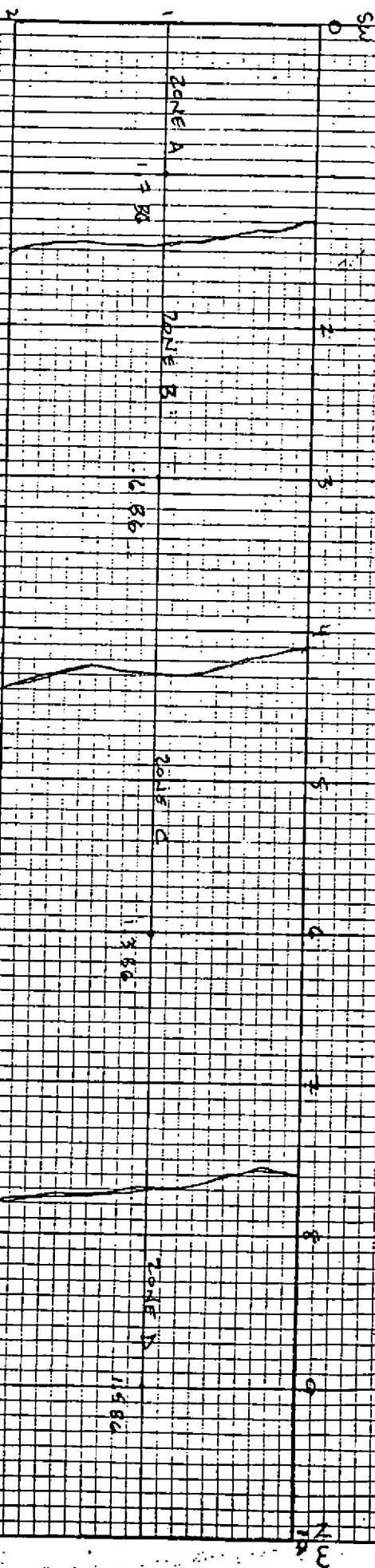
Date: 12/20/97

Initials: JF/MM

FLOOR PLAN OF TU A1-2 N125 E196 12/19/97 JASON FENTON

SCALE: FOOT = 1 SQUARE

LEVEL 8



ZONE A: 10YR 3/3 SUTHERLAND POSSIBLE BOUNDARY A HORIZON. SAME AS ZONE C.

ZONE B: 10YR 5/5 SUTHERLAND WITH 10YR 3/4 SILTY SANDY LOAM, MHT SE SUTHERLAND TONAL.

ZONE C: 10YR 3/3 SILTY LOAM, SUTHERLAND TO ZONE A.

ZONE D: 10YR 5/5 MOTTLED WITH 0YR 4/3 SILTY SANDS WITH CLAY COBBLES.

# PROFILE VIEW OF SOUTHERN WALL TO A 1-2 N 175 E 196 2'x10' JASON FENTON

SCALE: 1 FOOT = 10 SQUARES

SOUTH WALL / 20 N 175 E

PROFILE VIEW OF SOUTHERN WALL TO A 1-2

N 175 E 196 JASON FENTON 12/21/92

STRATIGRAPHY

LEVEL 1: ROOT MAT

TOYR 3/4 SILTY LOAM

LEVEL 2:

TOYR 5/8 SILTY LOAM

LEVEL 3:

TOYR 3/2 SILTY CLAY LOAM

LEVEL 4:

TOYR 5/4 SILTY CLAY LOAM

LEVEL 5:

TOYR 3/3 SILTY CLAY LOAM

LEVEL 6:

TOYR 5/6 SILTY SAND WITH

COBBLES AND GRAVEL

LEVEL 7:

TOYR 9/3 SILTY SAND WITH COBBLES

LEVEL 8:

LAYER OF ASH, CINDER AND MORTAR

LEVEL 9:

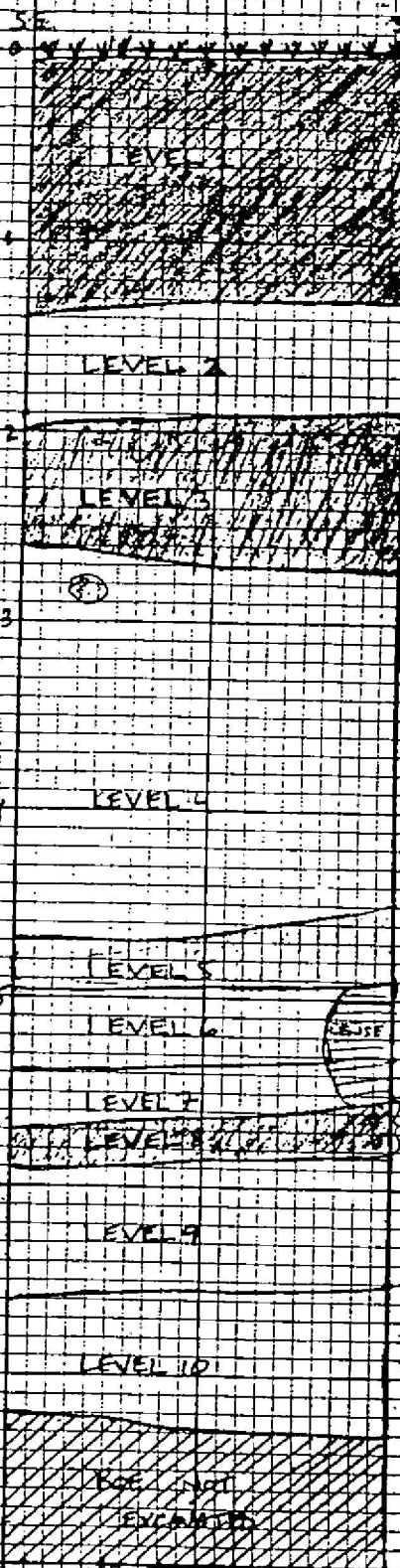
TOYR 5/6 SILTY COARSE SAND WITH

MEDIUM SIZED COBBLES AND GRAVEL

LEVEL 10:

TOYR 6/3 COMPACTED COARSE SAND

WITH GRAVEL



DATUM

NOTE: LARGE ROCKS REMOVED

CONSTRUCTION DEBRIS

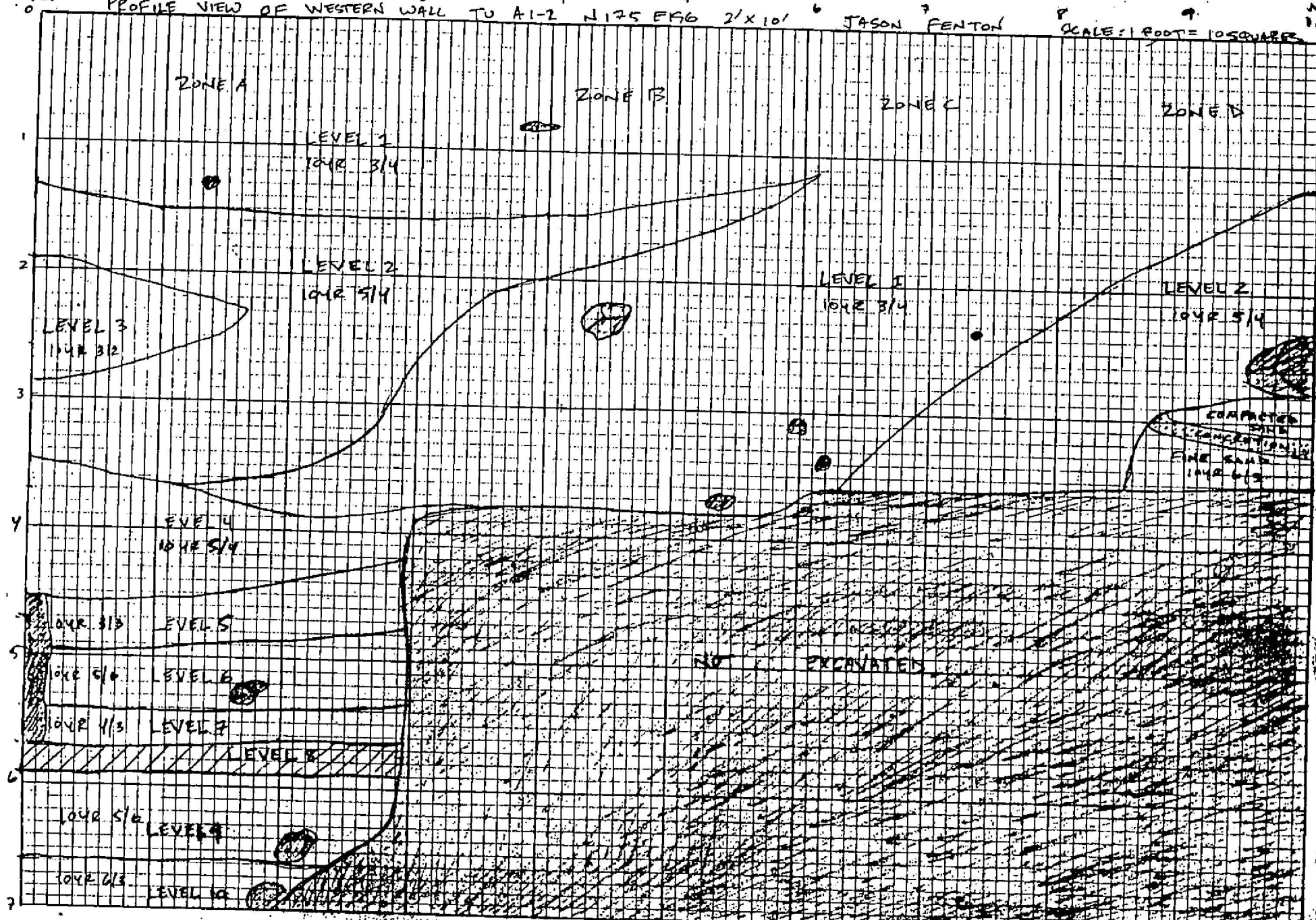
NO ARTIFACTS COLLECTED

NO ARTIFACTS COLLECTED

ROCK NOT EXCAVATED



SCALE: 1 FOOT = 10 SQUARE





# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: B

Unit: B4-2

Location: S 130 W 20

Unit Size: 15<sup>(EW)</sup> x 1.5<sup>(NS)</sup> ft

Level: 1

Purpose: IDENTIFY WESTERN EXTENT OF FEA. B4

Datum: SN SURFACE N 130 W 20

Depths:

opening

NW: SURFACE

NE: 1.6

SW: SURFACE

SE: 1.14

Center:

closing

NW: 1.2

NE: 2.1

SW: 1.3

SE: 1.9

Center:

Soil Description (Munsell, texture, inclusions, disturbance):

10YR <sup>3</sup>/<sub>1</sub> VERY DK GREYISH BROWN SANDY SILT LOAM

Artifacts (brief description and estimated count):

CUT NAILS - OH SO MANY - ONLY ONE BURNT NAIL

METAL & BONE BUTTONS

KACHIN PIPE BOWL FRAG. (AKA WHITE BALL CLAY)

WINDOW & BOTTLE GLASS

ORDINANCE SHELL CASE

BONE

SALT GLAZED EARTHEN WARE

Features:

SPORADIC LENS OF MORTAR - CONCENTRATED IN CENTER OF TRENCH

Not identified as a feature

Note: Two DAGS, CASCADING

"N-S" AND "E-W", RESPECT

Additional Comments (attachments, photographs, etc.):

Photos: Yes (No)

Date: 1. DEC. 97

Initials: DR CR

FORT TOTTEN PHASE II

TEST UNIT EXCAVATION FORM

Section: B Unit: B4-2

Location: 930 W 20

Unit Size: 15 x 1.5 Level: 2

Purpose: W boundary of FB4

Datum: SW corner

Depths:

opening NW: 1.2 NE: 2.1 SW: 1.3 SE: 1.9 Center:

closing NW: 1.33 NE: 2.15 SW: 1.33 SE: 2.9 Center:

Soil Description (Munsell, texture, inclusions, disturbance):

W 1/2 mottled transition to subsoil in W 3' of unit; some weird mortar like material around 3-6' and then another mottled soil in E 1/2

Artifacts (brief description and estimated count):

3 W 1/2 bullet (2) 1 butchered cow bone 1 E 1/2 nails, bottle glass, 50+ pieces

Features:

no fea designation has been assigned yet

Additional Comments (attachments, photographs, etc.):

Photos: Yes No

Date: 12-1-97

Initials: HL

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: B Unit: B4-2

Location: S130 W20

Unit Size: 15<sup>EAST/WEST</sup> x 1.5<sup>NORTH/SOUTH</sup> ft Level: 3

Purpose: W Boundary of Fea B4

Datum: SW CORNER SURFACE

Depths:

opening	NW: 1.33	NE: 2.15	SW: 1.33	SE: 2.9	Center:
closing	NW: 2.6	NE: 3.0	SW: 2.7	SE: 3.0	Center:

### Soil Description (Munsell, texture, inclusions, disturbance):

SOIL MATRIX CONSISTS OF SEVERAL SOILS WHICH APPEAR TO BE FILL.  
 ✓ W 1/2 10YR 4/6 silty sand.  
 E 1/2 has 2 cinder/mortar episodes separated by a mottled 10YR 5/6 w/10YR 4/3  
 ✓ the eastern 3 to 4 ft along east wall contain a concentration

### Artifacts (brief description and estimated count):

bottle REW \* note all artifacts from east 1/2  
 bone  
 cut nails  
 Kaolin

NOTE: BAG OF ARTIFACTS LABELED  
 WRIT 1/2 ALL FILL.

### Features:

see soil description, but none assigned

### Additional Comments (attachments, photographs, etc.):

Photos: Yes No

UNIT WAS LEVELLED OFF SO THAT SOIL DEPOSITS  
 CAN BE BETTER DISTINGUISHED THE REMAINDER  
 OF THE TRENCH WILL BE EXCAVATED IN  
 ARBITRARY LEVELS OF 5 ft WITHIN WHAT APPEARS TO BE  
 THE NATURAL SOIL HORIZONS OR DISTINCT FILL EPISODES

Date: 2 Dec 97

Initials: DR

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section:

B

Unit:

B4-2

Location:

S130 W20 SW CORNER Δ

Unit Size:

15 x 1.5 ft

Level:

4

Purpose:

W BOUNDARY OF FEA B4

Datum:

SW Δ

Depths:

opening

NW: 2.6

NE: 3.0

SW: 2.6

SE: 3.0

Center:

closing

NW: 2.8

NE: 3.5

SW: 2.8

SE: 3.5

Center:

Soil Description (Munsell, texture, inclusions, disturbance):

3 DISTINCT SOILS ARE PRESENT FOR LOCATION SEE PLAN VIEW

10YR 4/3 SANDY SILT LOAM

10YR 5/4 SILTY SAND

AT INTERFACE OF THESE TWO SOILS THERE IS A CONCENTRATION OF COBBLES (LARGE)

A MOTTLED 10YR 5/10 & 10YR 4/1 - MOST APPARENT ALL EPISODE

Artifacts (brief description and estimated count):

METAL MISC.

CUP NAIL

IRONSTONE WARE PLATE FRAG (W/MARK)

IRONSTONE WARE PLATE FRAG (W/MARK)

\* ARTIFACTS SCREEN & BAGGED AS WEST & EAST 1/2

A MINNIE BALL RECOVERED FROM CINDER LENS

Features:

NONE DESIGNATED

Additional Comments (attachments, photographs, etc.): PLAN VIEWS EXIST FOR W, S, & E

Photos: Yes No

Date: 2 DEC 97

Initials:

DP

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: B

Unit: B4-2

Location: S130 W20

Unit Size: 15 x 1.5 ft Level: 5

Purpose: SEE LEVEL 2 FORM

Datum: SW CORNER SURFACE

Depths:

opening	NW: 2.8	NE: 3.5	SW: 2.8	SE: 3.5	Center:
closing	NW: 3.0	NE: 4.0	SW: 3.0	SE: 4.0	Center:

### Soil Description (Munsell, texture, inclusions, disturbance):

SAME SOILS AS PREVIOUS LEVEL - DESCRIPTION ON PLAN VIEW

### Artifacts (brief description and estimated count):

✓✓ METAL FRAGS - ONE FROM PIPE INTACT BOTTLE W/DATE OF 1861  
✓ CUT NAILS - NUMEROUS \* CERAMIC PIPE/UTILITARIAN FRAG - NOT RETAINED  
WINDOW & BOTTLE GLASS IRONSTONE WARE  
KADLIN PIPE STEM \* 99.9% of artifacts located in eastern 1/2 of unit  
SHOE LEATHER

### Features:

NONE ASSIGNED

### Additional Comments (attachments, photographs, etc.): PLAN VIEW

Photos: Yes (No) HARDENED TAR LENS

Date: 3 DEC 97

Initials: DR

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section:

B

Unit:

B4-2

Location:

S130 W 20

Unit Size:

15 x 1.5 ft

Level:

U

Purpose:

see level 2 form

Datum:

SW CORNER SURFACE

Depths:

opening

NW: 3.0

NE: 4.0

SW: 3.0

SE: 4.0

Center:

closing

NW: 3.0

NE: 4.5

SW: 3.0

SE: 4.5

Center:

Soil Description (Munsell, texture, inclusions, disturbance):

- SEE PLAN VIEW -

Artifacts (brief description and estimated count):

EAST 1/2 ONLY

✓ IRON STONE WARE

CUT NAILS

WINDOW & BOTTLE GLASS

SHOE LEATHER

Features:

Ø (NONE ASSIGNED, EPISODIC FILL DEPOSITS NOTED)

Additional Comments (attachments, photographs, etc.):

Photos: Yes No

→ HARDENED TAR LENS  
CONTINUES

ONLY EAST 1/2 EXCAVATED  
TO FURTHER EXPOSE DK GRAYISH BROWN  
STRAT THAT APPEARS TO BE AN INTACT  
HORIZON (A?) BASED ON SPOT SPOON AUGERING  
IN WESTERN PORTION

Date:

3 DEC 97

Initials:

DR

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section: B Unit: BY-2

Location: S130 W20

Unit Size: 15 x 1.5 ft Level: 7

Purpose: IDENTIFY W. BOUNDARY OF FEA: BY-2

Datum: SW CORNER SURFACE

Depths:

opening	NW: 3.0	NE: 4.5	SW: 3.0	SE: 4.5	Center:
closing	NW: 3.0	NE: 4.9	SW: 3.0	SE: 4.9	Center:

Soil Description (Munsell, texture, inclusions, disturbance):

10YR 5/4 silty sand to pure sand to interface with DK GRAY to BROWN  
10YR 4/1

Artifacts (brief description and estimated count):

✓ brown bottle glass  
iron stove ware — None in Bag 02  
cut nails

Features:

✗

Additional Comments (attachments, photographs, etc.): plan view

Photos: Yes (No)

ONLY Eastern  $\frac{1}{2}$  ( $\frac{1}{3} = 3ft$ ) from wall excavated to expose  
DK GRAYISH BROWN horizon - NW fully exposed across unit floor

Date: 3 DEC 97

Initials: DR



# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section:

8

Unit:

B4-2

Location:

S130 W20

Unit Size:

15 x 1.5 ft

Level:

8

Purpose:

IDENTIFY WEST BOUNDARY OF FEA. B4.

Datum:

SW CORNER SURFACE

Depths:

opening

NW: 3.0

NE: 4.9

SW: 3.0

SE: 4.9

Center:

closing

NW: 4.0

NE: 5.8

SW: 4.0

SE: 5.8

Center:

Soil Description (Munsell, texture, inclusions, disturbance):

10YR 4/3 silt loam brown (A HORIZON SOILS)

10YR 4/6 silt clay (sub-soil at base of excavation)

Artifacts (brief description and estimated count):

East  $\frac{1}{2}$  (7.5 ft)

triangle quartz point w/concave base  
(Leranna)

West  $\frac{1}{2}$  (7.5 ft)

cut nail at interface w/fill above "A" hor  
(not retained)

Features:

turtle shell (may or may not be cultural,  
found just below the interface wedge  
against a large cobble)

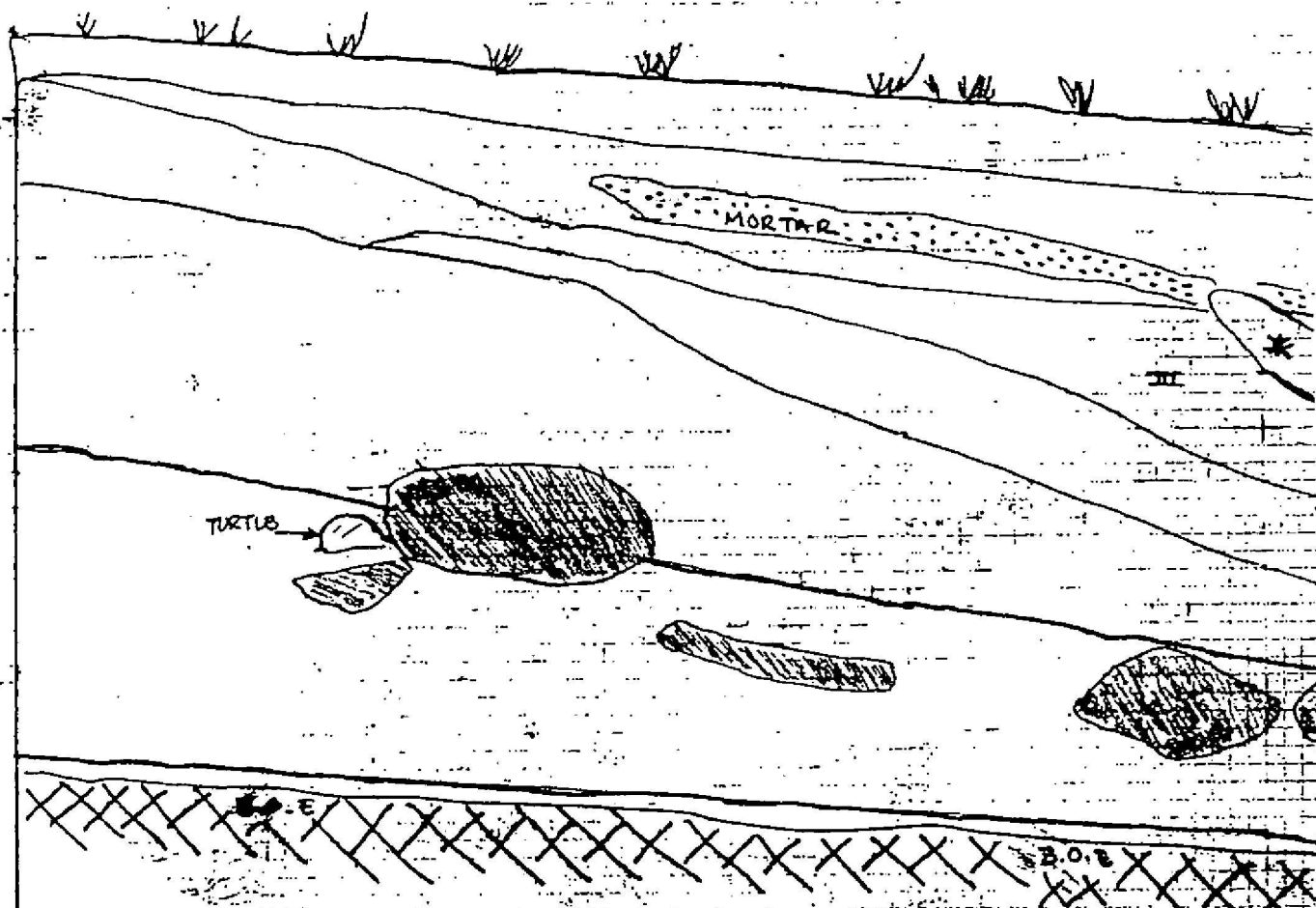
Additional Comments (attachments, photographs, etc.): Plan view & unit profile  
Photos: Yes No

Floor of trench augered w/spoon to confirm sub-soil

Date: 4-6 DEC 97

Initials:

DR



ZONE I 104R 3/4 SANDY SILT LOAM - ARTIFACTS WITHIN LAYER

ZONE II 104R 2/2 SANDY LOAM - ARTIFACTS RECOVERED

ZONE III MOTTLED FILL 104R 3/8 WITH 104R 3/2 - ARTIFACTS  
SANDY SILT CLAY LOAM

ZONE IV 104R 2/1 COMPACT SANDY LOAM - ARTIFACTS

ZONE V 104R 4/3 SANDY SILT LOAM - ARTIFACTS

ZONE VI 104R 4/6 SILTY SAND - NO CULTURAL MATERIAL

ZONE VII INTACT A HORIZON 104R 4/1 SILT LOAM - LOANNA PL.

ZONE VIII 104R 4/6 SILTY CLAY N.O.M.

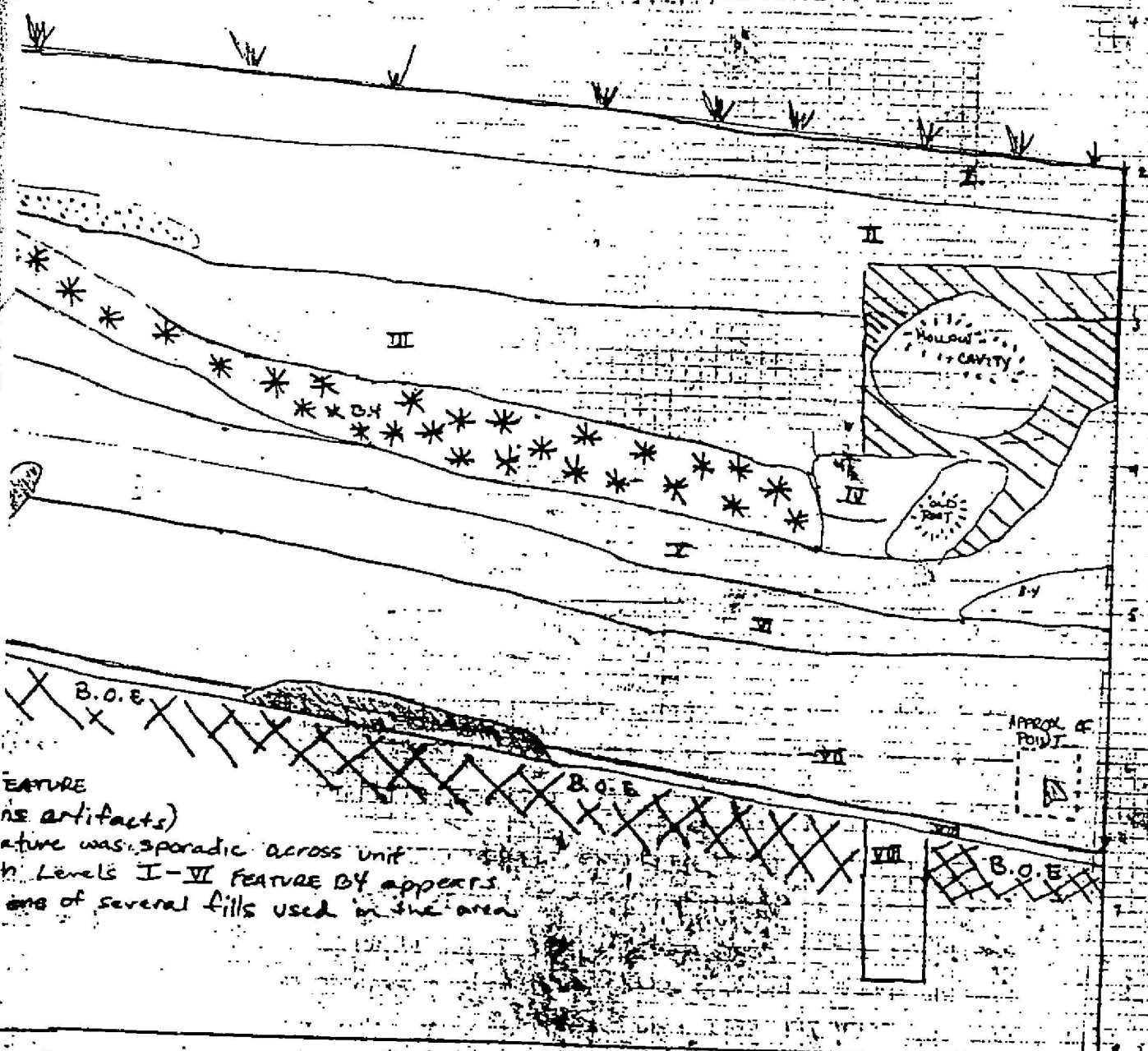
Fe. Taken Phase II  
TAKEN/UNIT BY-2  
S10 W20  
NORTH PROFILE  
15 DEC. 97



COBBLES/ROCK



BIOTURBATED  
SOILS FROM  
DECOMPOSING ROOT BALL  
OF AN OLD TREE



FEATURE  
NE artifacts)  
ative was sporadic across unit  
h Levels I-VI FEATURE BY appears  
one of several fills used in the area

## FORT TOTTEN PHASE II

FEATURE FORM (Attach Appropriate Profiles and Plan Views on Graph Paper)

Feature Number: C1 Fea. Level: 1

Section: C Test Unit: C1-1

Size: 3x5 ft Level (in TU): Lv 2 to Lv. 3

Depth: opening .5 closing 3.7 ft Datum: SW CORNER S 259 W 35

Location: (see datum) 25 to 50 ft east of church

dimensions of feature not clearly defined until base of  
Level 2 and level 3 excavated within nonfeature matrix.  
FEATURE DESCRIPTION:

Type: fill over structural remains

Location in Unit:

5 ft  
1 ft 3 ft  
FEA. C-1

Dimensions and Depths:

4.7 feet in depth total wall at 3.7 ft

Soil Description:

Mottled 10YR 4/1 w/ 10YR 5/1 also w/ 10YR 6/4  
gritty sil loam with pockets of clay.

Artifacts:

military button light bulb base  
tile glass (bottle - either light bulb or chimney)  
two nails

Additional Comments:

fill contained coal, cinders & brick frag.

trench exposed into subsoil - filled with loose soil about  
wall.

Date: 19 Dec 97

Initials: DK

## FORT TOTTEN PHASE II

FEATURE FORM (Attach Appropriate Profiles and Plan Views on Graph Paper)

Feature Number: 21-1 Fea. Level: 1  
Section: C Test Unit: C1-1  
Size: 3 x 5 ft Level (in TU): BASE OF LEVEL 2  
Depth: opening 3.7 dosing 4.7 Datum: SW CORNER SURFACE  
Location: \_\_\_\_\_

### FEATURE DESCRIPTION:

Type: STRUCTURAL

Location in Unit:

Dimensions and Depths:

BASE OF FLOOR 4.7 ft

Soil Description:

10YR 5/1 silty sand w/ coal & charcoal

Artifacts:

bottle glass frags.

Additional Comments:

South wall exposed & interior

Date: 19 DEC 97

Initials: DR

**FORT TOTTEN PHASE II**

**TEST UNIT EXCAVATION FORM**

Section: E Unit: 2-1

Location: S259 W35 (SW corner)

Unit Size: 3x5 ft Level: 2

Purpose: see level #1

Datum: SW CORNER SURFACE

Depths:

opening	NW: .3	NE: $\emptyset$	SW: .3	SE: $\emptyset$	Center:
closing	NW: .5	NE: .3	SW: .5	SE: .3	Center:

Soil Description (Munsell, texture, inclusions, disturbance):

10YR 5/4 silt loam (appears to be fill)

Artifacts (brief description and estimated count):

1 Roofing slate  
continue

Features:

feature Clapparent in floor characterized by  
gravel & coal dark soil matrix 10YR 4/1

Additional Comments (attachments, photographs, etc.): plan view

Photos: Yes ☒ No ☐

Date: 18 DEC 97

Initials: MC

# FORT TOTTEN PHASE II

## TEST UNIT EXCAVATION FORM

Section:

C

Unit:

C1-1

Location:

S259 W35 (SW CORNER)

Unit Size:

3 x 5 ft

Level:

1

Purpose:

IDENTIFY NATURE OF FEATURE LOCATED IN C-8 from  
Phase I

Datum:

SW CORNER SURFACE

Depths:

opening

NW: SURFACE NE: +.5

SW: SURFACE SE: +.5

Center:

closing

NW: .3

NE: Ø

SW: .3

SE: Ø

Center:

Soil Description (Munsell, texture, inclusions, disturbance):

164K 3/4 fine sand-silt loam

Artifacts (brief description and estimated count):

For. 1/2 in.  
1 B.E.V. 1/2 in. 1/2 in.  
1/2 in. 1/2 in.  
1/2 in. 1/2 in.

Misc. 1/2 in. 1/2 in. 1/2 in.

Features:

1/2 in. 1/2 in. 1/2 in. 1/2 in. 1/2 in. 1/2 in.

Additional Comments (attachments, photographs, etc.):

Photos: Yes No

Date:

18 DEC 97

Initials:

DL

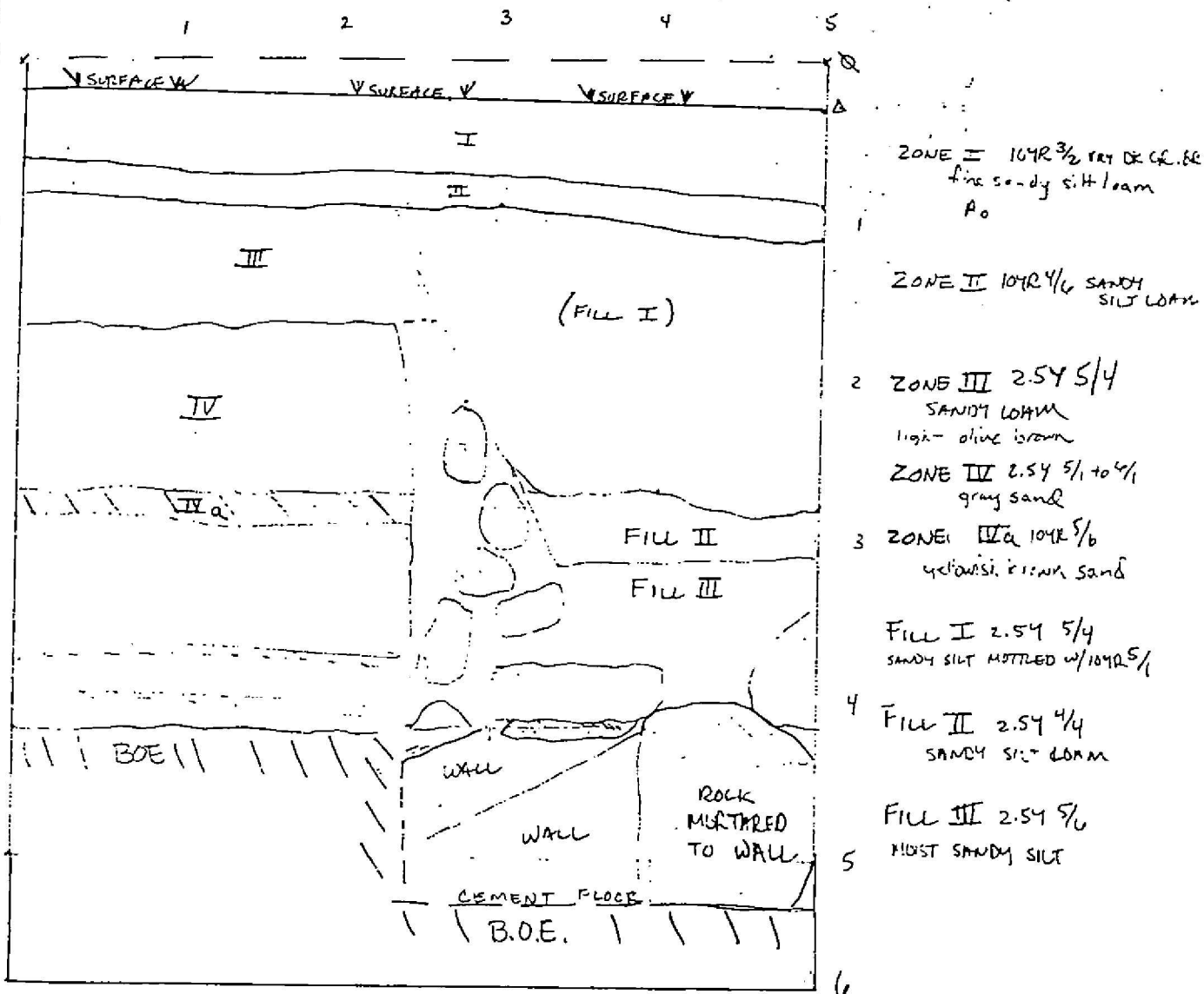


# Ft. Totten Phase II

## SECTION C

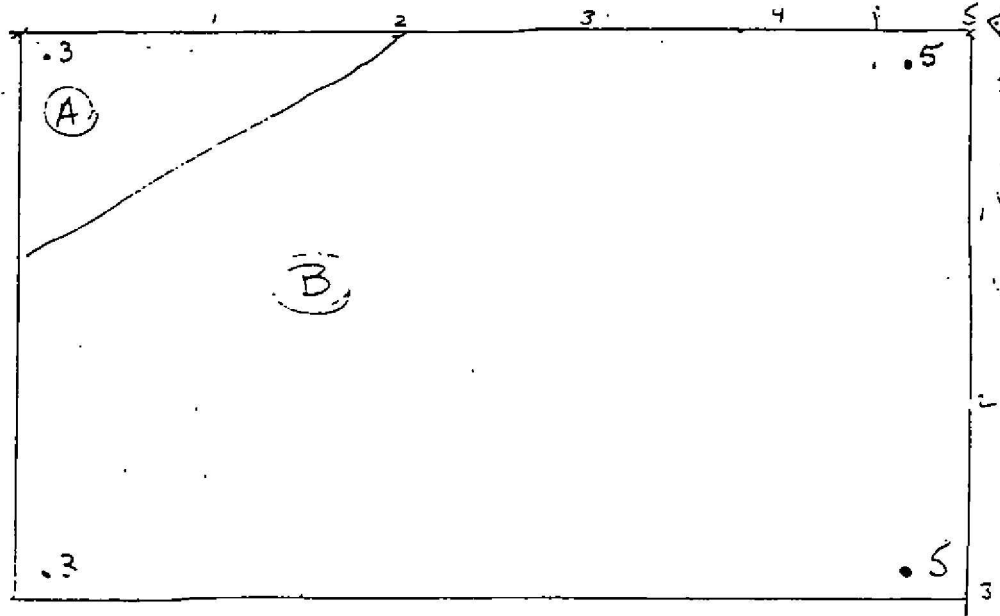
UNIT C/1

SOUTH PROFILE



### COMMENTS:

FILL ZONES I-III contained cinder, coal, brick fragments & mortar. The mortar was most evident below the level of the wall. The boundary between ZONE III & FILL ZONE III is very subtle/discreet and appears to be part of the original b-trench. Zone IV & IVa are banded sands that comprise the subsoil.



Ft Totten  
Phase II

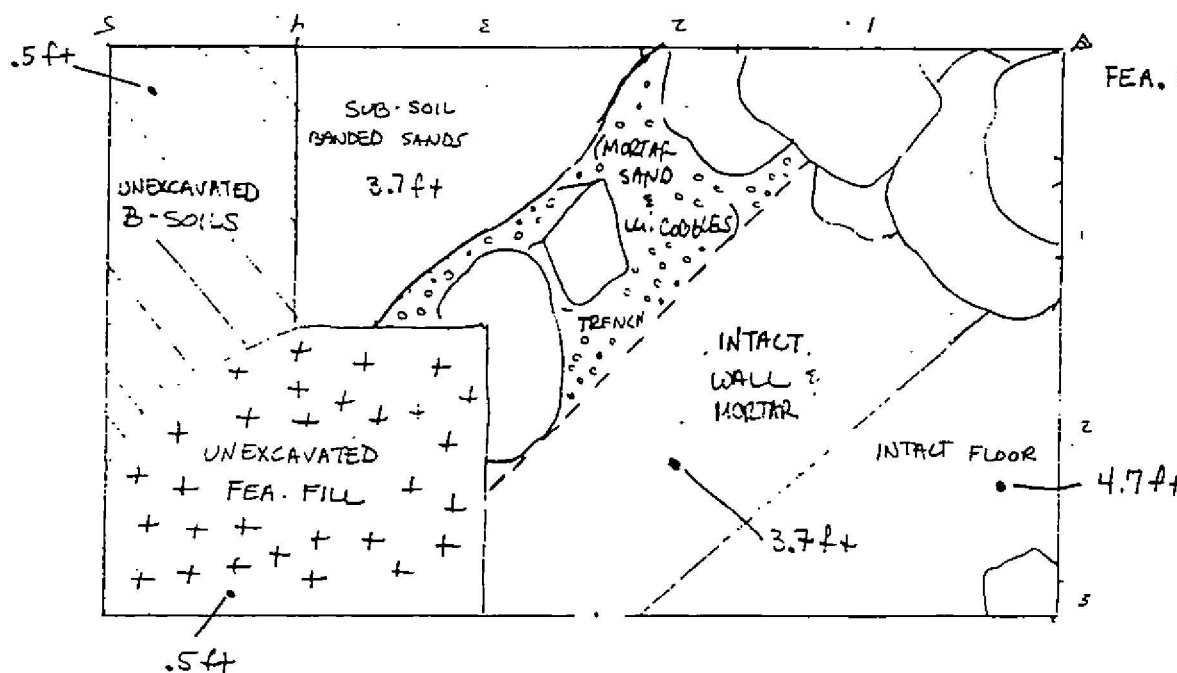
T.U. C1-1

S259 W35 (3x34-)

LV. 2

(A) 2.5  $\frac{1}{16}$  to  $\frac{1}{4}$   
SANDY SILT LOAM

(B) FEA C-1  
10YR 4/1



3  
40 6/1  
-1

**APPENDIX D. Artifact Inventory**

2

**Fort Totten Phase II  
Area A - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
A01	N085 E0	1	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
A01	N085 E0	1	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	1	
A01	N085 E0	1	—	Historic	Glass	Light green	Container	Body			1	
A01	N085 E0	1	—	Historic	Metal	Ferrous	Cut nail				3	
A01	N085 E0	1	—	Historic	Metal	Ferrous	Unidentified nail				3	
A01	N085 E0	1	—	Historic	Faunal	Bivalve	Clam	Food			2	
A01	N085 E0	1	—	Historic	Faunal	Bivalve	Unidentified	Food			2	
A02	N070 E0	—	—	Historic	Glass	Aqua	Window	Body			6	
A02	N070 E0	—	—	Historic	Glass	Clear	Container	Body			1	Embossed lettering
A02	N070 E0	—	—	Historic	Glass	Frosted	Unidentified	Body			1	Etched decoration
A02	N070 E0	—	—	Historic	Glass	Dark green	Container	Body			3	
A02	N070 E0	—	—	Historic	Metal	Ferrous	Cut nail				6	
A04	N085 E100	1	0-0.9	Historic	Glass	Clear	Container	Body			16	
A04	N085 E100	1	0-0.9	Historic	Glass	Clear	Container	Body			7	Embossed lettering & texture
A04	N085 E100	1	0-0.9	Historic	Metal	Ferrous	Unidentified nail				1	
A06	N100 E115	1	0-0.6	Historic	Glass	Dark green	Container	Body			1	Embossed lettering
A07	N150 W015	1	—	Historic	Metal	Ferrous	Cut nail				2	
A07	N150 W015	1	—	Historic	Metal	Ferrous	Unidentified nail				1	
A07	N150 W015	1	—	Historic	Metal	Unidentified	Tube				1	
A07	N150 W015	1	—	Recent	Glass	Light green	Container	Body			1	Coke bottle shard
A08	N100 W015	1	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	3	
A08	N100 W015	1	—	Historic	Ceramic	Porcelain	Hand painted underglaze		Flat form	Body	1	Decorative technique not certain
A08	N100 W015	1	—	Historic	Glass	Amber	Container	Body			1	
A08	N100 W015	1	—	Historic	Glass	Amber	Container	Finish			1	Applied rim fragment
A08	N100 W015	1	—	Historic	Glass	Aqua	Window	Body			15	
A08	N100 W015	1	—	Historic	Glass	Aqua	Container	Body			3	
A08	N100 W015	1	—	Historic	Glass	Clear	Container	Body			7	
A08	N100 W015	1	—	Historic	Glass	Clear	Container	Base			1	
A08	N100 W015	1	—	Historic	Glass	Dark green	Container	Body			1	
A08	N100 W015	1	—	Historic	Glass	Lavender	Container	Finish			1	Patent lip
A08	N100 W015	1	—	Historic	Metal	Ferrous	Cut nail				13	
A08	N100 W015	1	—	Historic	Other	Putty					2	
A08	N100 W015	2,3	—	Historic	Glass	Aqua	Window	Body			3	
A09	N100 W030	1	—	Historic	Ceramic	Kaolin	Undecorated				1	
A09	N100 W030	1	—	Historic	Metal	Brass	Tube				1	
A09	N100 W030	2-4	—	Historic	Glass	Aqua	Window	Body			4	
A09	N100 W030	2-4	—	Historic	Glass	Aqua	Container	Body			1	
A09	N100 W030	2-4	—	Historic	Glass	Brown	Container	Body			1	
A09	N100 W030	2-4	—	Historic	Metal	Ferrous	Cut nail				2	
A09	N100 W030	2-4	—	Historic	Metal	Ferrous	Unidentified nail				1	
A11	N100 E015	1	—	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Base	1	
A11	N100 E015	1	—	Historic	Metal	Lead	Bullet				1	
A11	N100 E015	1	—	Historic	Metal	Ferrous	Cut nail				2	
A11	N100 E015	1	—	Historic	Metal	Unidentified	Strip				1	
A12	N135 E0	1	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
A12	N135 E0	1	—	Historic	Metal	Ferrous	Cut nail				3	

**Fort Totten Phase II  
Area A - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
A12	N135 E0	1	—	Historic	Metal	Ferrous	Unidentified nail					
A13	N185 E0	1	—	Historic	Metal	Ferrous	Cut nail				2	
A14	N165 E200	3	1.8-4.9	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
A14	N165 E200	3	1.8-4.9	Historic	Glass	Aqua	Window	Body			1	
A14	N165 E200	3	1.8-4.9	Historic	Glass	Clear	Container	Body			2	
A14	N165 E200	3	1.8-4.9	Historic	Glass	Frosted	Lamp shade	Rim			2	
A14	N165 E200	3	1.8-4.9	Historic	Glass	Green	Container	Neck			1	
A14	N165 E200	3	1.8-4.9	Historic	Metal	Ferrous	Cut nail				1	
A14	N165 E200	3	1.8-4.9	Historic	Faunal	Mammal	Unidentified	Food			3	
A15	N135 E150	1	0-0.7	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
A15	N135 E150	2	0.7-1.8	Historic	Glass	Aqua	Window	Body			2	
A15	N135 E150	2	0.7-1.8	Historic	Glass	Light green	Container	Body			1	
A15	N135 E150	2	0.7-1.8	Historic	Glass	Green	Container	Body			2	
A16	N115 E0	1	—	Historic	Glass	Aqua	Window	Body			1	
A16	N115 E0	1	—	Historic	Glass	Frosted	Unidentified	Body			2	
A16	N115 E0	1	—	Historic	Glass	Lavender	Container	Body			1	Light bulb fragment (?)
A16	N115 E0	1	—	Historic	Metal	Ferrous	Cut nail				1	
A17	N100 W045	1-4	—	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	3	
A17	N100 W045	1-4	—	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
A17	N100 W045	1-4	—	Historic	Glass	Aqua	Window	Body			1	
A17	N100 W045	1-4	—	Historic	Glass	Brown	Container	Body			2	
A17	N100 W045	1-4	—	Historic	Glass	Green	Container	Body			2	
A17	N100 W045	1-4	—	Historic	Glass	Multicolored	Unidentified	Body			1	
A17	N100 W045	1-4	—	Historic	Glass	Multicolored	Unidentified	Body			1	Milk white on concave surface, yellow on convex surface
A17	N100 W045	1-4	—	Historic	Metal	Ferrous	Cut nail				4	
A17	N100 W045	1-4	—	Historic	Metal	Ferrous	Unidentified nail				1	
A18	N165 E185	1	0-0.8	Historic	Metal	Ferrous	Spike				1	
A18	N165 E185	1	0-0.8	Historic	Ceramic	Whiteware	Molded		Unidentified	Body	1	
A18	N165 E185	1	0-0.8	Historic	Glass	Aqua	Window	Body			1	
A20	N180 E200	1,2	0-2.8	Historic	Ceramic	Whiteware	Colored glaze overall		Hollow form	Rim	1	
A20	N180 E200	1,2	0-2.8	Historic	Ceramic	Redware	Unglazed		Hollow form	Body	1	
A20	N180 E200	1,2	0-2.8	Historic	Glass	Aqua	Window	Body			17	
A20	N180 E200	1,2	0-2.8	Historic	Glass	Aqua	Unidentified	Fragment			1	
A20	N180 E200	1,2	0-2.8	Historic	Glass	Clear	Container	Base			1	
A20	N180 E200	1,2	0-2.8	Historic	Glass	Clear	Container	Body			9	
A20	N180 E200	1,2	0-2.8	Historic	Glass	Green	Container	Body			1	
A20	N180 E200	1,2	0-2.8	Historic	Glass	Dark green	Container	Fragment			2	
A20	N180 E200	1,2	0-2.8	Historic	Glass	Lavender	Container	Body			1	
A20	N180 E200	1,2	0-2.8	Historic	Metal	Lead	Sheet				1	
A20	N180 E200	1,2	0-2.8	Historic	Metal	Ferrous	Cut nail				1	
A20	N180 E200	1,2	0-2.8	Historic	Metal	Ferrous	Unidentified nail				16	
A20	N180 E200	1,2	0-2.8	Historic	Metal	Ferrous	Sheet				1	
A20	N180 E200	1,2	0-2.8	Historic	Faunal	Mammal	Unidentified	Food			1	
A20	N180 E200	1,2	0-2.8	Historic	Faunal	Mammal	Unidentified	Toothbrush			1	
A20	N180 E200	1,2	0-2.8	Historic	Other	Carbon	Battery core				1	

Fort Totten Phase II  
Area A - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
A23	N180 E215	1	0-3.1	Historic	Ceramic	Porcelain	Molded		Unidentified	Unidentified	1	
A23	N180 E215	1	0-3.1	Historic	Glass	Aqua	Window	Body			2	
A23	N180 E215	1	0-3.1	Historic	Glass	Clear	Container	Body			1	
A23	N180 E215	1	0-3.1	Historic	Metal	Brass	Cartridge case				1	
A23	N180 E215	1	0-3.1	Historic	Metal	Brass	Shovel				1	
A23	N180 E215	1	0-3.1	Historic	Metal	Brass	Strip				2	Flattened tubing ?
A24	N050 W085	1	0-0.7	Historic	Glass	Aqua	Window	Body			4	
A24	N050 W085	1	0-0.7	Historic	Metal	Ferrous	Cut nail				3	
A25	N050 W115	1	0-1.1	Historic	Glass	Aqua	Window	Body			2	
A25	N050 W115	1	0-1.1	Historic	Glass	Clear	Container	Body			4	
A25	N050 W115	1	0-1.1	Historic	Glass	Light Green	Container	Body			1	
A25	N050 W115	1	0-1.1	Historic	Metal	Ferrous	Cut nail				1	
A25	N050 W115	1	0-1.1	Historic	Metal	Ferrous	Unidentified nail				2	
A26	N050 W100	1	0-2.1	Historic	Ceramic	Porcelain	Undecorated		Unidentified	Body	1	
A26	N050 W100	1	0-2.1	Historic	Glass	Aqua	Window	Body			1	
A26	N050 W100	1	0-2.1	Historic	Metal	Ferrous	Cut nail				3	
A26	N050 W100	1	0-2.1	Historic	Metal	Ferrous	Unidentified nail				1	
A27	N035 W100	1,2	0-2.7	Historic	Ceramic	Brick					1	
A27	N035 W100	1,2	0-2.7	Historic	Glass	Brown	Container	Body			1	
A27	N035 W100	1,2	0-2.7	Historic	Glass	Clear	Container	Body			1	
A27	N035 W100	1,2	0-2.7	Historic	Glass	Green	Container	Body			1	
A27	N035 W100	1,2	0-2.7	Historic	Glass	Lavender	Container	Base			1	
A27	N035 W100	1,2	0-2.7	Historic	Glass	Milk white	Unidentified	Unidentified			1	
A27	N035 W100	1,2	0-2.7	Historic	Metal	Ferrous	Cut nail				2	
A27	N035 W100	1,2	0-2.7	Historic	Metal	Ferrous	Unidentified nail				4	
A27	N035 W100	1,2	0-2.7	Historic	Faunal	Bivalve	Unidentified	Food			1	
A27	N035 W100	1,2	0-2.7	Historic	Other	Plaster					1	
A27	N035 W100	1,2	0-2.7	Historic	Other	Stone	Architectural				1	
A29	N215 W050	1,2	0-1.3	Historic	Ceramic	Redware	Unglazed		Hollow form	Body	1	
A29	N215 W050	1,2	0-1.3	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	2	
A30	N200 W065	1	0-0.7	Historic	Glass	Brown	Container	Body			1	
A30	N200 W065	1	0-0.7	Historic	Glass	Aqua	Window	Body			1	
A30	N200 W065	1	0-0.7	Historic	Glass	Light green	Container	Body			1	
A30	N200 W065	3	0.9-1.8	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
A31	N200 W035	1	0-1.0	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Unidentified	1	
A31	N200 W035	1	0-1.0	Historic	Metal	Silver colored	Split ring				1	
A32	N135 W050	1	0-0.8	Historic	Metal	Ferrous	Cut nail				1	
A32	N135 W050	1	0-0.8	Recent	Other	Plastic	Unidentified				1	
A32	N135 W050	2	0.8-1.8	Historic	Metal	Ferrous	Cut nail				2	
A32	N135 W050	2	0.8-1.8	Historic	Metal	Ferrous	Chain				1	2 Links
A33	N150 W065	1	0-1.3	Recent	Metal	Silver colored	Unidentified				1	
A33	N150 W065	1	0-1.3	Recent	Metal	Unidentified	Unidentified				1	Mechanical pencil part ?
A34	N150 W035	2-4	0.5-1.6	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	Retaining ring ?

Fort Totten Phase II  
Area A - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
A34	N150 W035	2-4	0.5-1.6	Historic	Ceramic	Brick					1	
A34	N150 W035	2-4	0.5-1.6	Historic	Glass	Clear	Container	Body			1	
A34	N150 W035	2-4	0.5-1.6	Historic	Metal	Ferrous	Cut nail				1	
A34	N150 W035	2-4	0.5-1.6	Historic	Metal	Ferrous	Unidentified nail				1	
A35	N175 W050	2	0.6-2.0	Historic	Ceramic	Redware	Unglazed		Hollow form	Body	1	
A35	N175 W050	2	0.6-2.0	Historic	Glass	Light green	Container	Body			1	
A36	N120 W050	1	0-1.5	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Base	1	
A36	N120 W050	1	0-1.5	Historic	Ceramic	Buff-bodied stoneware	Salt glazed		Unidentified	Unidentified	1	Lid fragment (?)
A36	N120 W050	1	0-1.5	Historic	Glass	Amber	Container	Body			1	
A36	N120 W050	1	0-1.5	Historic	Glass	Aqua	Window	Body			1	
A36	N120 W050	1	0-1.5	Historic	Glass	Clear	Container	Body			1	
A36	N120 W050	1	0-1.5	Historic	Metal	Ferrous	Unidentified nail				2	
A38	N165 W050	—	—	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	Complete bowl
A38	N165 W050	—	—	Historic	Metal	Ferrous	Unidentified nail				1	
A38	N165 W050	1	0-2.1	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim		
A38	N165 W050	1	0-2.1	Historic	Glass	Aqua	Window	Body			2	
A38	N165 W050	1	0-2.1	Historic	Metal	Ferrous	Cut nail				5	
A38	N165 W050	1	0-2.1	Historic	Metal	Ferrous	Strip				1	
A38	N165 W050	1	0-2.1	Historic	Faunal	Bivalve	Oyster	Food			1	
A39	N190 W050	1-4	0-1.4	Historic	Ceramic	Whiteware	Molded		Unidentified	Fragment	1	
A39	N190 W050	1-4	0-1.4	Historic	Glass	Aqua	Window	Body			2	
A39	N190 W050	1-4	0-1.4	Historic	Metal	Ferrous	Cut nail				1	
A39	N190 W050	1-4	0-1.4	Historic	Metal	Ferrous	Unidentified nail				4	
A59 W	N450 E165	1	0-0.8	Historic	Glass	Green	Container	Body			2	
A83 E	N250 W085	2	0.3-1.3	Historic	Glass	Aqua	Window	Body			1	
A83 E	N250 W085	2	0.3-1.3	Historic	Glass	Lavender	Container	Finish			1	Folded-out lip
A83 N	N265 W100	1	0-1.1	Historic	Metal	Ferrous	Cut nail				1	
A83 N	N265 W100	1	0-1.1	Historic	Metal	Ferrous	Sheet				1	
A83 S	N235 W100	1	0-1.1	Historic	Glass	Aqua	Window	Body			1	
A83 S	N235 W100	2	1.1-1.5	Historic	Ceramic	Yellow-bodied earthenware	Rockingham		Hollow form		1	
A83 S	N235 W100	2	1.1-1.5	Historic	Glass	Aqua	Window	Body			1	
A83 S	N235 W100	2	1.1-1.5	Historic	Faunal	Bivalve	Clam	Food			2	Crossmend
A83 W	N250 W115	1	0-0.7	Historic	Glass	Brown	Container	Body			1	
A83 W	N250 W115	3	1.4-2.4	Historic	Glass	Aqua	Window	Body			1	
A83 W	N250 W115	3	1.4-2.4	Historic	Metal	Ferrous	Cut nail				1	
A93	N400 W100	1	0-0.7	Historic	Ceramic	Redware, refined	Lead glaze, clear	Mottled	Hollow form	Rim	1	
A93	N400 W100	1	0-0.7	Historic	Ceramic	Whiteware	Transfer print		Hollow form	Body	1	
A93	N400 W100	1	0-0.7	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	1	
A93 E	N430 W115	1	0-1.6	Historic	Ceramic	Whiteware	Molded		Flat form	Rim	1	
A93 E	N430 W115	1	0-1.6	Historic	Metal	Ferrous	Cut nail				3	
A93 N	N415 W115	3	0.8-1.4	Prehistoric	Lithic	Argillite	Flake				1	
Tr A01-01	N095 W050	1 ex	—	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Hollow form	Body	2	



**Fort Totten Phase II  
Area A - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A01-01	N095 W050	1 ex	—	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Hollow form	Rim	1	
Tr A01-01	N095 W050	1 ex	—	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
Tr A01-01	N095 W050	1 ex	—	Historic	Ceramic	Whiteware	Unidentified		Flat form	Body	1	Burned (?)
Tr A01-01	N095 W050	1 ex	—	Historic	Glass	Aqua	Window	Body			4	
Tr A01-01	N095 W050	1 ex	—	Historic	Glass	Green	Container	Base			1	Umbrella-type ink bottle shard; pontil scar
Tr A01-01	N095 W050	1 ex	—	Historic	Metal	Ferrous	Cut nail				6	
Tr A01-01	N095 W050	1 ex	—	Historic	Metal	Ferrous	Unidentified nail				1	
Tr A01-01	N095 W050	1 ex	—	Historic	Metal	Ferrous	Wire				1	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Pearlware	Undecorated		Flat form	Base	2	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Whiteware	Color glaze overall	Molded	Hollow form	Body	1	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Whiteware	Transfer print, underglaze		Hollow form	Body	1	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Base	1	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	7	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	1	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Buff-bodied stoneware	Clear glaze		Hollow form	Body	1	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Gray-bodied stoneware	Iron oxide wash		Hollow form	Rim	1	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Rim	1	
Tr A01-01	N095 W050	2 E	—	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
Tr A01-01	N095 W050	2 E	—	Historic	Glass	Amber	Container	Body			1	
Tr A01-01	N095 W050	2 E	—	Historic	Glass	Aqua	Window	Body			9	
Tr A01-01	N095 W050	2 E	—	Historic	Glass	Brown	Container	Body			2	
Tr A01-01	N095 W050	2 E	—	Historic	Glass	Clear	Container	Body			2	
Tr A01-01	N095 W050	2 E	—	Historic	Glass	Clear	Unidentified	Body			1	
Tr A01-01	N095 W050	2 E	—	Historic	Glass	Green	Container	Body			1	
Tr A01-01	N095 W050	2 E	—	Historic	Glass	Dark green	Container	Body			1	
Tr A01-01	N095 W050	2 E	—	Historic	Metal	Ferrous	Cut nail				27	
Tr A01-01	N095 W050	2 E	—	Historic	Metal	Ferrous	Unidentified nail				12	
Tr A01-01	N095 W050	2 E	—	Historic	Metal	Ferrous	Upholstery tack				1	
Tr A01-01	N095 W050	2 E	—	Historic	Metal	Ferrous	Wire				1	
Tr A01-01	N095 W050	2 E	—	Historic	Other	Putty						
Tr A01-01	N095 W050	2 ex	—	Historic	Ceramic	Kaolin	Undecorated		Bead	Whole	1	
Tr A01-01	N095 W050	2 ex	—	Historic	Metal	Ferrous	Cut nail					
Tr A01-01	N095 W050	2 W	—	Historic	Ceramic	Redware	Unglazed		Hollow form	Body	1	
Tr A01-01	N095 W050	2 W	—	Historic	Ceramic	Pearlware	Undecorated		Unidentified	Fragment	1	
Tr A01-01	N095 W050	2 W	—	Historic	Ceramic	Whiteware	Transfer print, underglaze		Flat form	Rim	1	
Tr A01-01	N095 W050	2 W	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	2	
Tr A01-01	N095 W050	2 W	—	Historic	Ceramic	Buff-bodied stoneware	Clear glaze		Hollow form	Body	1	
Tr A01-01	N095 W050	2 W	—	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	1	
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Aqua	Window	Body			19	

Fort Totten Phase II  
Area A - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Aqua	Container	Body			2	
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Black	Button	Whole			1	Molded decoration
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Brown	Container	Finish			1	Perry Davis type
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Clear	Container	Body			4	
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Clear	Container	Finish			1	Flanged lip
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Light green	Container	Body			1	
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Green	Container	Body			2	
Tr A01-01	N095 W050	2 W	—	Historic	Glass	Lavender	Container	Body			1	
Tr A01-01	N095 W050	2 W	—	Historic	Metal	Ferrous	Cut nail				23	
Tr A01-01	N095 W050	2 W	—	Historic	Metal	Ferrous	Unidentified nail				14	
Tr A01-01	N095 W050	2 W	—	Historic	Metal	Ferrous	Sheet				5	
Tr A01-01	N095 W050	2 W	—	Historic	Metal	Lead	Sheet				7	
Tr A01-01	N095 W050	2 W	—	Historic	Ceramic	Pearlware	Undecorated					
Tr A01-01	N095 W050	3	—	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	
Tr A01-01	N095 W050	3	—	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Unidentified	1	
Tr A01-01	N095 W050	3	—	Historic	Glass	Aqua	Window	Body			1	
Tr A01-01	N095 W050	3	—	Historic	Metal	Ferrous	Cut nail				12	
Tr A01-01	N095 W050	3	—	Historic	Metal	Ferrous	Unidentified nail				2	
Tr A01-01	N095 W050	4	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
Tr A01-01	N095 W050	4	—	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	1	
Tr A01-01	N095 W050	4	—	Historic	Ceramic	Yellow ware	Rockingham		Hollow form	Rim	1	
Tr A01-01	N095 W050	4	—	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	
Tr A01-01	N095 W050	4	—	Historic	Glass	Aqua	Window	Body			1	
Tr A01-01	N095 W050	4	—	Historic	Metal	Ferrous	Bottle closure				1	
Tr A01-01	N095 W050	4	—	Historic	Metal	Ferrous	Cut nail				26	
Tr A01-01	N095 W050	4	—	Historic	Metal	Ferrous	Sheet				4	
Tr A01-01	N095 W050	4	—	Historic	Metal	Ferrous	Wire				3	
Tr A01-01	N095 W050	4	—	Historic	Metal	Lead	Sheet				2	
Tr A01-01	N095 W050	4	—	Historic	Metal	Lead	Strip				1	
Tr A01-01	N095 W050	4	—	Historic	Faunal	Bivalve	Unidentified	Food			1	
Tr A01-01	N095 W050	4	—	Historic	Other	Clay					1	Clay ball in plastic state
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Ceramic	Porcelain	Hand painted, underglaze		Flat form	Rim	1	Saucer shard
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Glass	Aqua	Window	Body			1	
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Glass	Aqua	Unidentified	Body			1	Flat; etched decoration
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Glass	Aqua	Container	Body			1	
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Glass	Light green	Container	Body			1	
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Glass	Light green	Container	Finish			1	Lip fragment
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Glass	Dark green	Container	Body			1	
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Metal	Ferrous	Unidentified nail				1	
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Faunal	Bivalve	Unidentified	Food			1	
Tr A02-01	N050 W102.5	1	0-0.6	Historic	Other	Rubber	Unidentified				1	Hose fragment ?
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Aluminum	Pull tab can closure				1	
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Copper	Coin				1	US penny, 1945
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Mixed	Coin				1	US dime, 1976
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Mixed	Coin				1	US dime, 1977

**Fort Totten Phase II  
Area A - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Mixed	Coin				1	US dime, 1980
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Nickel	Coin				1	US nickel, 1981
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Nickel	Coin				1	US nickel, 1983
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Silver colored	Coin				1	US quarter, 1970
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Metal	Silver colored	Coin				1	US quarter, 1980
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Paper	Price tag					1	Plastic coated
Tr A02-01	N050 W102.5	1	0-0.6	Recent	Plastic	Unidentified					4	
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Ceramic	Whiteware	Transfer print, underglaze		Unidentified	Fragment	1	
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Ceramic	Porcelain	Hand painted, underglaze		Flat form	Body	1	
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	1	
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Glass	Amber	Container	Body			1	
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Glass	Aqua	Window	Body			5	
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Glass	Clear	Container	Finish			1	Patent lip
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Metal	Ferrous	Cut nail				4	
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Metal	Ferrous	Unidentified nail				9	
Tr A02-01	N050 W102.5	2	0.6-1.0	Historic	Metal	Unidentified	Watch part				1	
Tr A02-01	N050 W102.5	2	0.6-1.0	Recent	Metal	Silver colored	Coin				1	US dime, 1982
Tr A02-01	N050 W102.5	3	1.0-2.2	Prehistoric	Lithic	Gray chert	Flake				1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	2	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Redware	Unglazed		Hollow form	Rim	1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Redware, refined	Unglazed		Unidentified	Fragment	1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	7	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	4	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Rim	1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	2	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Ceramic	Porcelain	Hand painted, underglaze		Flat form	Rim	1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Glass	Aqua	Window	Body			13	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Glass	Brown	Container	Body			2	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Glass	Clear	Stemware	Body			1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Glass	Clear	Stemware	Body			1	Etched decoration
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Glass	Dark green	Container	Base			1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Glass	Dark green	Container	Body			1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Glass	Lavender	Container	Body			1	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Metal	Brass	Button				1	Shank & shank plate only
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Metal	Brass	Military button				1	Front only; [1854-1902]
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Metal	Ferrous	Cut nail				21	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Metal	Ferrous	Unidentified nail				42	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Metal	Ferrous	Spike				4	
Tr A02-01	N050 W102.5	3	1.0-2.2	Historic	Metal	Lead	Bullet				1	Single very deep groove
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Ceramic	Redware	Unglazed		Hollow form	Body	2	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Ceramic	Redware	Unglazed		Hollow form	Rim	1	

Fort Totten Phase II  
Area A - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Base	1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Ceramic	Ironstone	Undecorated		Unidentified	Fragment	5	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Ceramic	Kaolin	Undecorated		Hollow form	Body	1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Amber	Container	Body	Tobacco pipe	Bowl	1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Aqua	Window	Body			5	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Aqua	Container	Body			10	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Aqua	Unidentified	Fragment			6	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Clear	Container	Body			1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Clear	Lamp chimney	Body			1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Dark green	Container	Body			1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Lavender	Container	Finish			1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	Milk white	Unidentified	Body			1	Patent lip
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Glass	White	Button	Whole			1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Metal	Ferrous	Unidentified nail				1	
Tr A02-01	N050 W102.5	4	2.2-3.1	Historic	Other	Unidentified	Unidentified				10	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Ceramic	Brick					1	Nut shell fragment (?)
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, black		Hollow form	Body	1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear	Albany slip	Hollow form	Base	1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Ceramic	Redware	Unglazed		Hollow form	Body	2	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Ceramic	Redware	Unglazed		Hollow form	Rim	2	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	2	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Ceramic	Porcelain	Undecorated		Flat form	Body	1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Amber	Container	Body			1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Aqua	Window	Body			25	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Aqua	Container	Body			3	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Brown	Container	Body			1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Clear	Container	Base			1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Clear	Container	Body			4	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Clear	Lamp chimney	Body			10	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Light green	Container	Body			1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Green	Container	Body			2	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Glass	Lavender	Container	Rim			1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Metal	Brass	Cartridge case				1	.45 cal.
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Metal	Brass	Tube				1	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Metal	Ferrous	Cut nail				3	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Metal	Ferrous	Unidentified nail				19	
Tr A02-01	N050 W102.5	5	3.1-3.3	Historic	Metal	Lead	Sheet				4	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Ceramic	Brick					3	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Ceramic	Whiteware	Hand painted, underglaze	Molded	Hollow form	Rim	1	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Aqua	Window	Body			8	

**Fort Totten Phase II  
Area A - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Aqua	Container	Base			1	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Aqua	Container	Base			1	Embossed lettering: "E.L.8"
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Aqua	Container	Body			24	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Clear	Lamp chimney	Body			96	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Clear	Lamp chimney	Rim			10	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Light green	Container	Base			1	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Light green	Container	Base			1	Embossed lettering: "CHAS CULDEN - NEW YORK"
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Light green	Container	Body			2	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Olive green	Container	Base			5	Ricketts-type; 2 pieces cross-mend
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Olive green	Container	Body			65	Ricketts-type
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Glass	Olive green	Container	Finish			1	Ricketts-type; tooled rounded lip, V-tooled string rim
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Metal	Brass	Tube				2	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Metal	Ferrous	Cut nail				17	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Metal	Ferrous	Unidentified nail				21	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Metal	Ferrous	Screw				1	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Metal	Ferrous	Unidentified				1	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Faunal	Bivalve	Clam	Food			2	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Faunal	Fish	Unidentified	Food			2	
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Other	Fabric	Shoe part				1	Cloth liner w/7 eyelets
Tr A02-01	N050 W102.5	7	3.7 -	Historic	Other	Plaster					2	
Tr A03-01	N160 W053	1	0-1.5	Historic	Ceramic	Whiteware	Hand painted, underglaze	polychrome	Flat form	Body	1	Burned
Tr A03-01	N160 W053	1	0-1.5	Historic	Ceramic	Whiteware	Transfer print, Underglaze		Unidentified	Body	1	
Tr A03-01	N160 W053	1	0-1.5	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	5	
Tr A03-01	N160 W053	1	0-1.5	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	2	
Tr A03-01	N160 W053	1	0-1.5	Historic	Ceramic	Gray-bodied stoneware	Salt glazed	iron oxide wash	Unidentified	Rim	1	
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Amber	Container	Body			1	
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Aqua	Window	Body			3	
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Aqua	Unidentified	Rim			1	Boveled edges; furniture glass ?
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Aqua	Container	Body			4	
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Brown	Container	Body			6	
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Brown	Container	Finish			1	Threaded lip shard
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Clear	Container	Body			3	
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Green	Container	Body			4	
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Dark green	Container	Body			1	
Tr A03-01	N160 W053	1	0-1.5	Historic	Glass	Lavender	Container	Body			1	
Tr A03-01	N160 W053	1	0-1.5	Historic	Metal	Ferrous	Cut nail				10	
Tr A03-01	N160 W053	1	0-1.5	Historic	Metal	Ferrous	Unidentified nail				7	
Tr A03-01	N160 W053	1	0-1.5	Historic	Metal	Ferrous	Wire				1	
Tr A03-01	N160 W053	1	0-1.5	Recent	Glass	Light green	Container	Body			2	Coca-Cola bottle shards
Tr A03-01	N160 W053	1	0-1.5	Recent	Metal	Copper	Coin				1	US penny, 1988



Fort Totten Phase II  
Area A - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A03-01	N160 W053	1	0-1.5	Recent	Metal	Mixed	Bottle closure				1	Printed "Budweiser"
Tr A03-01	N160 W053	2	1.5-2.6	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
Tr A03-01	N160 W053	2	1.5-2.6	Historic	Ceramic	Yellow ware	Undecorated		Unidentified	Body	1	
Tr A03-01	N160 W053	2	1.5-2.6	Historic	Metal	Ferrous	Cut nail				6	
Tr A03-01	N160 W053	2	1.5-2.6	Historic	Metal	Ferrous	Unidentified nail				4	
Tr A03-01	N160 W053	2	1.5-2.6	Historic	Faunal	Mammal	Unidentified	Food			4	
Tr A03-01	N160 W053	4	2.6-3.9	Historic	Metal	Ferrous	Cut nail				1	
Tr A03-01	N160 W053	4	2.6-3.9	Historic	Metal	Ferrous	Unidentified nail				4	
Tr A04-01	N175 E196	1	0-1.4	Historic	Ceramic	Whiteware	Undecorated		Flat form	Base	1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	3	
Tr A04-01	N175 E196	1	0-1.4	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	3	
Tr A04-01	N175 E196	1	0-1.4	Historic	Ceramic	Whiteware	Color glaze overall		Flat form	Body	1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	2	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Amber	Container	Body			1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Aqua	Window	Body			30	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Aqua	Container	Body			4	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Clear	Container	Base			1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Clear	Container	Body			24	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Clear	Tumbler	Rim			1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Clear	Stemware	Foot			1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Green	Dark green	Dark green			16	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Dark green	Container	Base			1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Dark green	Dark green	Dark green			1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Frosted	Lamp Shade	Body			2	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Frosted	Lamp Shade	Rim			1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Lavender	Container	Body			7	
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Lavender	Container	Body			1	Embossed lettering: "LOUISVILL..."
Tr A04-01	N175 E196	1	0-1.4	Historic	Glass	Lavender	Container	Body			1	Embossed lettering: "E..."
Tr A04-01	N175 E196	1	0-1.4	Historic	Metal	Ferrous	Cut nail				49	
Tr A04-01	N175 E196	1	0-1.4	Historic	Metal	Ferrous	Wire nail				1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Metal	Ferrous	Unidentified nail				3	
Tr A04-01	N175 E196	1	0-1.4	Historic	Metal	Ferrous	Spike				1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Metal	Ferrous	Rod				1	One end threaded, other conical
Tr A04-01	N175 E196	1	0-1.4	Historic	Faunal	Bivalve	Clam	Food			1	
Tr A04-01	N175 E196	1	0-1.4	Historic	Faunal	Mammal	Unidentified	Food			10	
Tr A04-01	N175 E196	1	0-1.4	Historic	Faunal	Mammal	Unidentified	Food			1	Charred
Tr A04-01	N175 E196	2 A	1.4-2.0	Historic	Ceramic	Whiteware	Transfer print underglaze		Hollow form	Body	2	
Tr A04-01	N175 E196	2 A	1.4-2.0	Historic	Ceramic	Whiteware	Transfer print underglaze		Hollow form	Rim	2	
Tr A04-01	N175 E196	2 A	1.4-2.0	Historic	Glass	Aqua	Window	Body			1	
Tr A04-01	N175 E196	2 A	1.4-2.0	Historic	Glass	Lavender	Container	Body			1	
Tr A04-01	N175 E196	2 A	1.4-2.0	Historic	Metal	Ferrous	Cut nail				1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Brick					1	

**Fort Totten Phase II  
Area A - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Redware	Unglazed		Unknown	Unknown	1	Tile ?
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Pearlware	Undecorated		Unknown	Fragment	1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Whiteware	Unglazed		Unknown	Fragment	2	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Whiteware	Undecorated		Unknown	Fragment	5	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	2	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	3	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Rim	2	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Whiteware	Transfer print underglaze		Hollow form	Body	5	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Whiteware	Transfer print underglaze		Hollow form	Rim	1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Ironstone	Undecorated		Unidentified	Base	1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Ironstone	Undecorated		Unidentified	Body	1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Rim	1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Amber	Container	Body			3	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Aqua	Window	Body			30	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Aqua	Container	Body			2	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Clear	Container	Base			1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Clear	Container	Body			30	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Clear	Stemware	Rim			1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Clear	Stemware	Foot			2	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Light green	Container	Body			2	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Green	Container	Body			18	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Dark green	Container	Body			2	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Lavender	Tumbler	Rim			1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Glass	Milk white	Unidentified	Body			6	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Metal	Ferrous	Cut nail				24	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Metal	Ferrous	Unidentified nail				3	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Faunal	Bivalve	Clam	Food			1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Faunal	Bivalve	Unidentified	Food			1	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Faunal	Mammal	Unidentified	Food			16	
Tr A04-01	N175 E196	2 B	1.4-2.0	Historic	Other	Stone	Roofing slate				1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	2	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Pearlware	Undecorated		Unidentified	Body	1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Redware	Unglazed	Molded	Hollow form	Rim	1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Redware	Lead glaze, clear		Hollow form	Body	1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Redware	Lead glaze, black		Hollow form	Body	1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Yellow-bodied earthenware	Rockingham		Hollow form	Body	1	



Fort Totten Phase II  
Area A - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Buff-bodied stoneware	Smooth glaze		Hollow form	Body	1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Base	1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Rim	1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Glass	Aqua	Window	Body			5	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Glass	Aqua	Container	Body			1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Glass	Aqua	Container	Finish			1	Threaded lip, ground top
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Glass	Light green	Container	Body			1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Glass	Green	Container	Finish			1	Rounded lip
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Glass	Dark green	Container	Body			1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Glass	Lavender	Container	Body			1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Metal	Lead	Tube				2	Crossmend
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Metal	Ferrous	Cut nail				22	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Metal	Ferrous	Unidentified nail				5	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Metal	Ferrous	Spike				2	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Faunal	Bivalve	Clam	Food			1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Faunal	Bird	Unidentified	Food			1	
Tr A04-01	N175 E196	2 C	1.4-2.0	Historic	Faunal	Mammal	Unidentified	Food			36	Many are cut
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Ceramic	Whiteware	Transfer print underglaze	Polychrome	Hollow form	Body	1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Glass	Amber	Container	Body			1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Glass	Aqua	Window	Body			3	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Glass	Clear	Container	Body			2	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Glass	Light green	Container	Body			1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Glass	Green	Container	Body			1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Metal	Ferrous	Cut nail				12	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Metal	Ferrous	Wire				1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Metal	Unidentified	Rivet				1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Faunal	Bivalve	Unidentified	Food			1	
Tr A04-01	N175 E196	2 D	1.4-2.0	Historic	Other	Stone	Roofing slate				1	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Ceramic	Whiteware	Unglazed		Unidentified	Unidentified	1	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	2	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Ceramic	Whiteware	Transfer print underglaze		Hollow form	Body	3	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Ceramic	Whiteware	Transfer print underglaze		Hollow form	Rim	2	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Ceramic	Whiteware	Transfer print underglaze	Polychrome	Hollow form	Rim	1	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Rim	1	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	3	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Glass	Aqua	Window	Body			4	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Glass	Aqua	Container	Body			2	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Glass	Clear	Container	Base			2	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Glass	Clear	Container	Body			1	

Fort Totten Phase II  
Area A - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Glass	Frosted	Lamp shade	Body			2	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Glass	Dark green	Container	Finish			1	Champagne type
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Glass	Milk white	Button	Whole			1	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Metal	Brass	Screw ring				1	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Metal	Ferrous	Cut nail				4	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Metal	Ferrous	Buckle				1	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Faunal	Bivalve	Clam	Food			2	
Tr A04-01	N175 E196	3 A	2.0-3.1	Historic	Faunal	Mammal	Unknown	Food			1	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Ceramic	Whiteware	Transfer print, underglaze		Hollow form	Rim	1	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Ceramic	Porcelain	Undecorated		Unidentified	Body	1	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Glass	Aqua	Window	Body			2	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Glass	Frosted	Lamp shade	Body			1	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Glass	Green	Container	Body			1	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Metal	Ferrous	Cut nail				5	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Metal	Ferrous	Unidentified nail				1	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Metal	Ferrous	Strip				1	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Faunal	Bivalve	Clam	Food			2	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Faunal	Bird	Unidentified	Food			2	
Tr A04-01	N175 E196	4 A	3.1-4.7	Historic	Faunal	Mammal	Unknown	Food			3	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Rim	1	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Ceramic	Pearlware	Undecorated		Unidentified	Body	1	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Glass	Aqua	Mirror	Body			1	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Glass	Aqua	Container	Body			2	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Glass	Lavender	Container	Body			1	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Metal	Ferrous	Cut nail				18	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Faunal	Bivalve	Clam	Food			1	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Faunal	Mammal	Unknown	Food			1	
Tr A04-01	N175 E196	4 B	3.1-4.7	Historic	Other	Stone	Roofing slate				1	
Tr A04-01	N175 E196	5 A	4.7-5.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Rim	1	
Tr A04-01	N175 E196	5 A	4.7-5.0	Historic	Glass	Frosted	Lamp shade	Rim			1	
Tr A04-01	N175 E196	5 A	4.7-5.0	Historic	Faunal	Mammal	Unknown	Food			8	
Tr A04-01	N175 E196	6 A	5.0-5.4	Historic	Metal	Ferrous	Cut nail				7	
Tr A04-01	N175 E196	7 A	5.4-5.7	Historic	Glass	Green	Container	Body			1	
Tr A04-01	N175 E196	7 A	5.4-5.7	Historic	Metal	Ferrous	Cut nail				3	
Tr A04-01	N175 E196	8 A	5.7-5.9	Historic	Metal	Ferrous	Cut nail				5	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
B01-01	N015 W0	1	0-1.4	Historic	Ceramic	Yellow-bodied earthenware	Rockingham		Hollow form	Body	2	
B01-01	N015 W0	1	0-1.4	Historic	Glass	Aqua	Container	Body			5	
B01-01	N015 W0	1	0-1.4	Historic	Glass	Aqua	Container	Body			1	Embossed lettering
B01-01	N015 W0	1	0-1.4	Historic	Glass	Aqua	Container	Finish			1	Rounded lip, cylindrical neck
B01-01	N015 W0	1	0-1.4	Historic	Glass	Aqua	Container	Shoulder			2	
B01-01	N015 W0	1	0-1.4	Historic	Glass	Aqua	Unidentified	Fragment			1	
B01-01	N015 W0	1	0-1.4	Historic	Glass	Aqua	Window	Body			3	
B01-01	N015 W0	1	0-1.4	Historic	Glass	Brown	Container	Body			1	
B01-01	N015 W0	1	0-1.4	Historic	Glass	Clear	Container	Body			1	
B01-01	N015 W0	1	0-1.4	Historic	Glass	Dark green	Container	Body			1	
B01-01	N015 W0	1	0-1.4	Historic	Metal	Ferrous	Cut nail				1	
B01-01	N015 W0	1	0-1.4	Historic	Metal	Ferrous	Unidentified nail				1	
B01-01	N015 W0	1	0-1.4	Historic	Metal	Ferrous	Unidentified				2	
B01-01	N015 W0	1	0-1.4	Historic	Metal	Ferrous	Container	Body			2	
B01-02	S0 W025	2	0.8-0.9	Historic	Glass	Aqua	Container	Body			1	
B01-02	S0 W025	2	0.8-0.9	Historic	Glass	Clear	Container	Body			2	
B01-02	S0 W025	2	0.8-0.9	Historic	Metal	Ferrous	Cut nail				2	
B01-02	S0 W025	2	0.8-0.9	Historic	Faunal	Bivalve	Unidentified	Food			1	
B01-02	S0 W025	5	1.5-1.9	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	1	
B01-02	S0 W025	5	1.5-1.9	Historic	Glass	Amber	Container	Body			1	
B01-02	S0 W025	5	1.5-1.9	Historic	Glass	Olive green	Container	Body			1	
B01-02	S0 W025	5	1.5-1.9	Historic	Metal	Ferrous	Unidentified nail				3	
B01-02	S0 W025	5	1.5-1.9	Historic	Faunal	Bivalve	Clam	Food			1	
B01-02	S0 W025	5	1.5-1.9	Historic	Faunal	Mammal	Unidentified	Food			4	
B01-02	S0 W025	5	1.5-1.9	Historic	Other	Tar	Sample				2	
B01-02	S0 W025	1	0-1.8	Historic	Ceramic	Redware	Lead glaze, clear		Hollow form	Body	1	
B01-03	—	1	0-1.8	Historic	Ceramic	Redware, refined	Unglazed		Unidentified	Fragment	1	
B01-03	—	1	0-1.8	Historic	Ceramic	Whiteware	Transfer print, underglaze		Flat form	Body	3	Crossmend
B01-03	—	1	0-1.8	Historic	Glass	Amber	Container	Body			1	
B01-03	—	1	0-1.8	Historic	Glass	Amber	Unidentified	Fragment			1	
B01-03	—	1	0-1.8	Historic	Glass	Brown	Container	Body			1	
B01-03	—	1	0-1.8	Historic	Glass	Clear	Container	Finish			1	Prescription lip, crossmend
B01-03	—	1	0-1.8	Historic	Glass	Milk white	Unidentified	Body			1	Frosted concave surface
B01-03	—	1	0-1.8	Historic	Other	Slag					1	
B01-04	S0 W060	1	0-1.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	1	
B01-04	S0 W060	1	0-1.0	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Body	1	
B01-04	S0 W060	1	0-1.0	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	1	
B01-04	S0 W060	1	0-1.0	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Rim	1	
B01-04	S0 W060	1	0-1.0	Historic	Faunal	Bivalve	Oyster	Food			1	
B01-04	S0 W060	1	0-1.0	Historic	Other	Carbon	Battery core				1	
B01-05	S0 E115	1.2	0-1.4	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Base	2	
B01-05	S0 E115	1.2	0-1.4	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	2	
B01-05	S0 E115	1.2	0-1.4	Historic	Ceramic	Ironstone	Undecorated		Unidentified	Fragment	1	
B01-05	S0 E115	1.2	0-1.4	Historic	Glass	Amber	Container	Body			2	
B01-05	S0 E115	1.2	0-1.4	Historic	Glass	Aqua	Window	Body			4	
B01-05	S0 E115	1.2	0-1.4	Historic	Glass	Brown	Container	Body			2	
B01-05	S0 E115	1.2	0-1.4	Historic	Glass	Clear	Container	Body			1	
B01-06	S0 E075	1	0-0.7	Historic	Glass	Clear	Container	Body			1	
B01-06	S0 E075	1	0-0.7	Historic	Metal	Ferrous	Cut nail				1	
B01-07	S025 E075	1	0-1.5	Historic	Ceramic	Gray-bodied stoneware	Unglazed		Unidentified	Unidentified	1	
B01-07	S025 E075	1	0-1.5	Historic	Ceramic	Whiteware	Unglazed		Unidentified	Unidentified	1	
B01-07	S025 E075	1	0-1.5	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	1	
B01-07	S025 E075	1	0-1.5	Historic	Glass	Aqua	Window	Body			3	
B01-07	S025 E075	1	0-1.5	Historic	Glass	Clear	Container	Body			1	
B01-07	S025 E075	1	0-1.5	Historic	Glass	Green	Container	Body			1	
B01-07	S025 E075	1	0-1.5	Historic	Faunal	Bivalve	Unidentified	Food			1	
B01-07	S025 E075	1	0-1.5	Historic	Glass	Aqua	Window	Body			2	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (N.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
B01-08	S015 E075	1	0-0.8	Historic	Glass	Amber						
B01-08	S015 E075	1	0-0.8	Historic	Glass	Brown	Container	Body				
B01-08	S015 E075	1	0-0.8	Historic	Glass	Brown	Container	Base			1	
B01-08	S015 E075	1	0-0.8	Historic	Metal	Ferrous	Container	Body			1	
B01-08	S015 E075	1	0-0.8	Historic	Metal	Ferrous	Unidentified nail				2	
B01-09	S0 E080	1,2	0-1.2	Historic	Glass	Aqua	Unidentified				3	
B01-09	S0 E080	1,2	0-1.2	Historic	Glass	Aqua	Window	Body			1	
B01-09	S0 E080	1,2	0-1.2	Historic	Glass	Aqua	Container	Base			7	
B01-09	S0 E080	1,2	0-1.2	Historic	Glass	Green	Container	Body			1	
B01-09	S0 E080	1,2	0-1.2	Historic	Glass	Dark green	Container	Body			1	
B01-09	S0 E080	1,2	0-1.2	Historic	Glass	Lavender	Container	Body			1	
B01-09	S0 E080	1,2	0-1.2	Historic	Metal	Ferrous	Unidentified nail	Body			1	Embossed lettering: "AR..."
B02-02	S085 W150	1	0-1.8	Historic	Other	Stone	Roofing slate				4	
B02-02	S085 W150	1	0-1.8	Historic	Glass	Aqua	Window	Body			1	
B02-02	S085 W150	1	0-1.8	Historic	Glass	Ciner	Container	Body			2	
B02-02	S085 W150	1	0-1.8	Historic	Metal	Ferrous	Cut nail				1	Enamelled
B02-02	S085 W150	1	0-1.8	Historic	Metal	Ferrous	Drafting compass				1	
B02-02	S085 W150	1	0-1.8	Historic	Metal	Ferrous	Pen clip				1	
B02-02	S085 W150	1	0-1.8	Historic	Metal	Brass	Cartridge case				1	
B02-03	S080 W120	1	0-1.3	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Tile	Body	1	
B02-03	S080 W120	1	0-1.3	Historic	Ceramic	Brick					1	
B02-03	S080 W120	1	0-1.3	Historic	Glass	Aqua	Container	Body			1	
B02-03	S080 W120	1	0-1.3	Historic	Glass	Aqua	Unidentified	Fragment			1	
B02-03	S080 W120	1	0-1.3	Historic	Glass	Aqua	Window	Body			1	
B02-03	S080 W120	1	0-1.3	Historic	Glass	Clear	Container	Body			1	
B02-03	S080 W120	1	0-1.3	Historic	Glass	White	Button	Whole			1	
B02-03	S080 W120	1	0-1.3	Historic	Metal	Brass	Unidentified				1	
B02-03	S080 W120	1	0-1.3	Historic	Metal	Ferrous	Cut nail				1	
B02-03	S080 W120	1	0-1.3	Historic	Metal	Ferrous	Wire nail				5	
B02-03	S080 W120	1	0-1.3	Historic	Faunal	Bivalve	Oyster	Food			2	
B02-04	S075 W122	1	0-1.8	Historic	Other	Putty					1	
B02-04	S075 W122	1	0-1.8	Historic	Glass	Aqua	Container	Body			1	
B02-04	S075 W122	1	0-1.8	Historic	Metal	Ferrous	Cut nail				1	
B02-04	S075 W122	1	0-1.8	Historic	Metal	Ferrous	Wire nail				1	
B02-04	S075 W122	1	0-1.8	Historic	Metal	Ferrous	Unidentified nail				1	
B02-04	S075 W122	1	0-1.8	Historic	Metal	Lead	Sheet				1	
B02-05	S115 W150	1	0-0.5	Historic	Faunal	Mammal	Unidentified	Food			1	
B02-05	S115 W150	2	0.5-1.3	Historic	Metal	Ferrous	Unidentified				1	
B02-05	S115 W150	2	0.5-1.3	Historic	Ceramic	Redware	Unglazed		Unidentified	Body	1	Boot horn (?)
B02-05	S115 W150	2	0.5-1.3	Historic	Ceramic	Porcelain	Molded		Unidentified	Unidentified	3	
B02-05	S115 W150	2	0.5-1.3	Historic	Ceramic	Kaolin	Undecorated		Unidentified	Unidentified	1	
B02-05	S115 W150	2	0.5-1.3	Historic	Glass	Aqua	Window	Body	Tobacco pipe	Stem	1	
B02-05	S115 W150	2	0.5-1.3	Historic	Metal	Ferrous	Cut nail				1	
B02-06	S100 W185	1	0-0.8	Historic	Ceramic	Whiteware	Undecorated				1	
B02-08	S100 W185	1	0-0.8	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Unidentified	Body	1	
B03-01	S185 W100	1	0-0.8	Historic	Glass	Aqua	Window	Body	Sewer tile	Body	1	
B03-01	S185 W100	1	0-0.8	Historic	Glass	White	Button	Whole			10	
B03-01	S185 W100	1	0-0.8	Historic	Metal	Ferrous	Cut nail				1	
B03-01	S185 W100	1	0-0.8	Historic	Faunal	Bivalve	Clem	Food			10	
B03-01	S185 W100	1	0-0.8	Historic	Faunal	Bivalve	Unidentified	Food			3	
B03-03	S150 W085	1,2	0-0.8	Historic	Other	Putty					2	
B03-03	S150 W085	1,2	0-2.2	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	1	
B03-03	S150 W085	1,2	0-2.2	Historic	Glass	Aqua	Window	Body			1	
B03-03	S150 W085	1,2	0-2.2	Historic	Glass	Clear	Container	Body			5	
B03-03	S150 W085	1,2	0-2.2	Historic	Metal	Ferrous	Cut nail				1	
B03-03	S150 W085	1,2	0-2.2	Historic	Metal	Ferrous	Unidentified				4	
B03-03	S150 W085	1,2	0-2.2	Historic	Metal	Lead	Sheet				1	1.3mm Dia. disk
B03-03	S150 W085	1,2	0-2.2	Historic	Faunal	Bivalve	Unidentified	Food			1	
B03-03	S150 W085	1,2	0-2.2	Historic	Ceramic	Brick					1	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
B03-04	S065 W115	1,2	0-2.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	1	
B03-04	S065 W115	1,2	0-2.0	Historic	Ceramic	Porcelain	Undecorated		Flat form	Body	1	
B03-04	S065 W115	1,2	0-2.0	Historic	Ceramic	Kaolin	Molded		Tobacco pipe	Stem	1	Maker's mark: "THIRBER, W...", "...EW YORK"
B03-04	S065 W115	1,2	0-2.0	Historic	Glass	Clear	Container	Body			1	
B03-04	S065 W115	1,2	0-2.0	Historic	Glass	Green	Container	Body			1	
B03-04	S065 W115	1,2	0-2.0	Historic	Glass	Lavender	Container	Body			1	
B03-04	S065 W115	1,2	0-2.0	Historic	Glass	Milk glass	Unidentified	Fragment			2	
B03-04	S065 W115	1,2	0-2.0	Historic	Metal	Ferrous	Cut nail				1	
B03-04	S065 W115	1,2	0-2.0	Historic	Metal	Ferrous	Unidentified nail				1	
B03-04	S065 W115	1,2	0-2.0	Historic	Metal	Ferrous	Shoot				1	
B03-04	S065 W115	1,2	0-2.0	Historic	Faunal	Bivalve	Unidentified	Food			1	
B03-06	S132-W100	1	0-0.5	Historic	Glass	Aqua	Window	Body			1	
B03-06	S132-W100	1	0-0.5	Historic	Glass	Aqua	Container	Body			1	
B03-06	S132-W100	1	0-0.5	Historic	Glass	Aqua	Unidentified	Unidentified			1	
B03-06	S132-W100	1	0-0.5	Historic	Metal	Ferrous	Unidentified nail				1	Partially melted
B04-02	S200 W025	1	0-1.4	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Hollow form	Body	1	
B04-02	S200 W025	1	0-1.4	Historic	Ceramic	Whiteware	Undecorated		Flat form	Base	1	
B04-02	S200 W025	1	0-1.4	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	3	
B04-02	S200 W025	1	0-1.4	Historic	Glass	Amber	Container	Body			1	
B04-02	S200 W025	1	0-1.4	Historic	Glass	Aqua	Window	Body			1	
B04-02	S200 W025	1	0-1.4	Historic	Glass	Clear	Container	Body			2	
B04-02	S200 W025	1	0-1.4	Historic	Glass	Lavender	Container	Body			1	
B04-02	S200 W025	1	0-1.4	Historic	Metal	Ferrous	Cut nail				1	
B04-02	S200 W025	1	0-1.4	Historic	Metal	Ferrous	Unidentified nail				3	
B04-02	S200 W025	3	2.3-3.0	Historic	Glass	Aqua	Container	Base			5	
B04-02	S200 W025	3	2.3-3.0	Historic	Glass	Dark green	Container	Body			1	
B04-02	S200 W025	3	2.3-3.0	Historic	Metal	Ferrous	Unidentified nail				1	
B04-02	S200 W025	3	2.3-3.0	Historic	Metal	Ferrous	Unidentified nail				2	
B04-03	S150 W025	1	0-0.5	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	1	
B04-03	S150 W025	3	1.0-1.2	Historic	Glass	Aqua	Window	Body			1	
B04-03	S150 W025	3	1.0-1.2	Historic	Glass	Aqua	Container	Body			1	
B04-03	S150 W025	3	1.0-1.2	Historic	Glass	Aqua	Container	Body			2	
B04-03	S150 W025	3	1.0-1.2	Historic	Glass	Dark green	Container	Body			1	Embossed lettering: "D..."
B04-03	S150 W025	3	1.0-1.2	Historic	Metal	Brass	Military button				1	
B04-03	S150 W025	3	1.0-1.2	Historic	Metal	Ferrous	Cut nail				1	[1854-1902]
B04-03	S150 W025	3	1.0-1.2	Historic	Metal	Ferrous	Unidentified nail				3	
B04-04	S150 E025	1	0-0.9	Historic	Ceramic	Whiteware	Undecorated		Flat form	Base	2	
B04-04	S150 E025	1	0-0.9	Historic	Glass	Amber	Container	Body			1	
B04-04	S150 E025	1	0-0.9	Historic	Glass	Aqua	Window	Body			1	
B04-04	S150 E025	1	0-0.9	Historic	Glass	Clear	Container	Body			2	
B04-04	S150 E025	1	0-0.9	Historic	Glass	Lavender	Container	Body			1	
B04-04	S150 E025	1	0-0.9	Historic	Metal	Brass	Cartridge case				1	
B04-04	S150 E025	1	0-0.9	Historic	Metal	Brass	Tube				1	.45 cal.
B04-04	S150 E025	1	0-0.9	Historic	Metal	Ferrous	Unidentified nail				1	
B04-04	S150 E025	2	0.9-2.5	Historic	Ceramic	Porcelain	Undecorated		Unidentified	Fragment	3	
B04-04	S150 E025	2	0.9-2.5	Historic	Ceramic	Xaolin	Undecorated		Tobacco pipe	Bowl	1	
B04-04	S150 E025	2	0.9-2.5	Historic	Glass	Amber	Container	Body			1	
B04-04	S150 E025	2	0.9-2.5	Historic	Glass	Aqua	Window	Body			1	
B04-04	S150 E025	2	0.9-2.5	Historic	Glass	Clear	Container	Body			12	
B04-04	S150 E025	2	0.9-2.5	Historic	Glass	Light green	Container	Body			1	
B04-04	S150 E025	2	0.9-2.5	Historic	Glass	Lavender	Container	Body			1	
B04-04	S150 E025	2	0.9-2.5	Historic	Glass	White	Button	Whole			5	
B04-04	S150 E025	2	0.9-2.5	Historic	Metal	Ferrous	Cut nail				1	
B04-04	S150 E025	2	0.9-2.5	Historic	Metal	Ferrous	Unidentified nail				13	
B04-04	S150 E025	2	0.9-2.5	Historic	Faunal	Bivalve	Unidentified	Food			17	
B04-04	S150 E025	2	0.9-2.5	Historic	Other	Mica	Unidentified				1	
B04-04	S150 E025	2	0.9-2.5	Historic	Other	Stone	Roofing slate				1	
B04-04	S150 E025	5	4.0-4.6	Historic	Glass	Aqua	Window	Body			1	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
B04-06	S125 W025	2	0.5-1.2	Historic	Ceramic	Yellow ware	Undecorated		Hollow form	Body	1	
B04-06	S125 W025	2	0.5-1.2	Historic	Metal	Ferrous	Cut nail				5	
B04-07	S175 W025	1,2	0-1.3	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	2	
B04-07	S175 W025	1,2	0-1.3	Historic	Glass	Aqua	Window	Body			2	
B04-07	S175 W025	1,2	0-1.3	Historic	Glass	Aqua	Container	Body			2	
B04-07	S175 W025	1,2	0-1.3	Historic	Glass	Clear	Container	Body			1	
B04-07	S175 W025	1,2	0-1.3	Historic	Metal	Ferrous	Unidentified nail				1	
B04-07	S175 W025	1,2	0-1.3	Historic	Other	Tar					1	
B04-07	S175 W025	4	1.7-2.1	Historic	Glass	Aqua	Window	Body			2	
B04-07	S175 W025	4	1.7-2.1	Historic	Glass	Green	Container	Body			2	
B04-07	S175 W025	4	1.7-2.1	Historic	Glass	Olive green	Container	Body			5	
B04-07	S175 W025	4	1.7-2.1	Historic	Faunal	Bivalve	Unidentified	Food			1	
B04-07	S175 W025	6	2.4-2.8	Historic	Glass	Aqua	Window	Body			3	
B04-07	S175 W025	6	2.4-2.8	Historic	Metal	Ferrous	Cut nail				5	
B04-07	S175 W025	6	2.4-2.8	Historic	Metal	Ferrous	Unidentified nail				1	
B04-07	S175 W025	6	2.4-2.8	Historic	Other	Tar					1	
B04-08	S225 E050	1	0-2.0	Historic	Glass	Aqua	Window	Body			1	
B04-08	S225 E050	1	0-2.0	Historic	Glass	Brown	Container	Body			2	
B04-08	S225 E050	1	0-2.0	Historic	Metal	Ferrous	Cut nail				1	
B04-08	S225 E050	1	0-2.0	Historic	Metal	Ferrous	Wire nail				2	
B04-08	S225 E050	1	0-2.0	Historic	Metal	Ferrous	Unidentified nail				4	
B04-08	S225 E050	1	0-2.0	Historic	Metal	Ferrous	Sheet				5	
B04-09	S150 E015	1	0-0.9	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	3	
B04-09	S150 E015	1	0-0.9	Historic	Glass	Amber	Container	Base			1	
B04-09	S150 E015	1	0-0.9	Historic	Glass	Aqua	Window	Body			1	Post bottom mold mark
B04-09	S150 E015	1	0-0.9	Historic	Glass	Aqua	Container	Body			3	
B04-09	S150 E015	1	0-0.9	Historic	Glass	Green	Container	Body			1	
B04-09	S150 E015	1	0-0.9	Historic	Metal	Ferrous	Unidentified nail				1	
B04-09	S175 E050	2,3	0.9-2.0	Historic	Ceramic	Whiteware	Undecorated				2	
B04-09	S175 E050	2,3	0.9-2.0	Historic	Ceramic	Whiteware	Undecorated		Flat form	Base	1	
B04-09	S175 E050	2,3	0.9-2.0	Historic	Ceramic	Porcelain	Hand painted, overglaze		Flat form	Body	1	
B04-09	S175 E050	2,3	0.9-2.0	Historic	Glass	Clear	Container	Body	Flat form	Rim	1	
B04-09	S175 E050	2,3	0.9-2.0	Historic	Glass	White	Unidentified	Body			1	
B04-09	S175 E050	2,3	0.9-2.0	Historic	Metal	Ferrous	Unidentified nail				1	
B04-10	S125 W015	1,2	0-1.2	Historic	Glass	Clear	Container	Body			3	
B04-10	S125 W015	1,2	0-1.2	Historic	Metal	Ferrous	Cut nail				1	
B04-10	S125 W015	3	1.2-2.0	Historic	Metal	Ferrous	Cut nail				3	
B04-10	S125 W015	3	1.2-2.0	Historic	Metal	Lead	Sheet				10	
B04-10	S125 W015	3	1.2-2.0	Historic	Other	Plaster					7	
B04-11	S175 W035	1	0-1.4	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	3	
B04-11	S175 W035	1	0-1.4	Historic	Glass	Aqua	Container	Body			2	Crossmend
B04-11	S175 W035	1	0-1.4	Historic	Glass	Brown	Container	Body			1	Embossed lettering: "...UP..."
B04-11	S175 W035	1	0-1.4	Historic	Glass	Clear	Container	Body			1	
B04-11	S175 W035	1	0-1.4	Historic	Glass	Clear	Container	Finish			1	
B04-11	S175 W035	1	0-1.4	Historic	Metal	Ferrous	Cut nail				1	Patent lip
B04-11	S175 W035	1	0-1.4	Historic	Faunal	Bivalve	Clam	Food			2	
B04-12	S200 W015	1-3	0-3.6	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
B04-12	S200 W015	1-3	0-3.6	Historic	Ceramic	Unidentified	Undecorated		Tobacco pipe	Stem	1	Refined grey body; burned ?
B04-12	S200 W015	1-3	0-3.6	Historic	Glass	Aqua	Window	Body			8	
B04-12	S200 W015	1-3	0-3.6	Historic	Glass	Brown	Container	Body			3	
B04-12	S200 W015	1-3	0-3.6	Historic	Glass	Brown	Container	Finish			2	Perry Davis type; crossmend
B04-12	S200 W015	1-3	0-3.6	Historic	Glass	Clear	Container	Body			1	
B04-12	S200 W015	1-3	0-3.6	Historic	Glass	Lavender	Container	Body			2	
B04-13	S175 E025	2	1.0-2.5	Historic	Metal	Ferrous	Unidentified nail				1	
B04-13	S175 E025	2	1.0-2.5	Historic	Glass	Aqua	Window	Body			1	
B04-13	S175 E025	2	1.0-2.5	Historic	Glass	Clear	Container	Base			1	Vial
B04-13	S175 E025	2	1.0-2.5	Historic	Glass	Clear	Container	Body			1	
B04-13	S175 E025	2	1.0-2.5	Historic	Glass	Clear	Lamp chimney	Body			3	
B04-13	S175 E025	2	1.0-2.5	Historic	Metal	Ferrous	Cut nail				4	



Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
B04-13	S175 E025	2	1.0-2.5	Historic	Faunal	Bivalve	Unidentified	Food			1	
B04-13	S175 E025	3	1.5-2.5	Historic	Metal	Ferrous	Unidentified nail				1	
B04-13	S175 E025	3	1.5-2.5	Historic	Faunal	Bivalve	Clam	Food			1	
B04-13	S175 E025	3	1.5-2.5	Historic	Other	Sleg					1	
B04-13	S175 E025	4	2.5-5.4	Historic	Glass	Amber	Container	Body			1	
B04-13	S175 E025	4	2.5-5.4	Historic	Glass	Aqua	Window	Body			1	
B04-13	S175 E025	4	2.5-5.4	Historic	Glass	Clear	Lamp chimney	Body			1	
B04-13	S175 E025	4	2.5-5.4	Historic	Glass	Lavender	Container	Body			2	
B04-13	S175 E025	4	2.5-5.4	Historic	Metal	Ferrous	Buckle				1	
B04-13	S175 E025	4	2.5-5.4	Historic	Faunal	Bivalve	Clam	Food			1	
B04-13	S175 E025	4	2.5-5.4	Historic	Faunal	Mammal	Unidentified	Food			2	
B04-14	S150 E015	1	0-1.1	Historic	Ceramic	Whiteware	Stamped		Hollow form	Body	2	
B04-14	S150 E015	1	0-1.1	Historic	Ceramic	Yellow-bodied earthenware	Rockingham		Hollow form	Body	1	
B04-14	S150 E015	1	0-1.1	Historic	Glass	Amber	Container	Body			1	
B04-14	S150 E015	1	0-1.1	Historic	Glass	Aqua	Window	Body			5	
B04-14	S150 E015	1	0-1.1	Historic	Glass	Aqua	Container	Base			1	
B04-14	S150 E015	1	0-1.1	Historic	Glass	Aqua	Container	Body			1	
B04-14	S150 E015	1	0-1.1	Historic	Glass	Dark green	Container	Body			1	
B04-14	S150 E015	1	0-1.1	Historic	Metal	Ferrous	Cut nail				24	
B04-14	S150 E015	1	0-1.1	Historic	Metal	Ferrous	Wire nail				4	
B04-14	S150 E015	1	0-1.1	Historic	Metal	Ferrous	Sheet				1	
B04-14	S150 E015	1	0-1.1	Historic	Faunal	Bivalve	Clam	Food			1	
B04-14	S150 E015	2	1.1-2.1	Historic	Ceramic	Whiteware	Molded		Hollow form	Rim	1	
B04-14	S150 E015	2	1.1-2.1	Historic	Ceramic	Yellow-bodied earthenware	Rockingham		Hollow form	Base	1	
B04-14	S150 E015	2	1.1-2.1	Historic	Ceramic	Earthen	Undecorated		Tobacco pipe	Stem	2	
B04-14	S150 E015	2	1.1-2.1	Historic	Glass	Amber	Container	Body			2	
B04-14	S150 E015	2	1.1-2.1	Historic	Glass	Aqua	Window	Body			14	
B04-14	S150 E015	2	1.1-2.1	Historic	Glass	Aqua	Container	Base			1	Embossed lettering: "2"
B04-14	S150 E015	2	1.1-2.1	Historic	Glass	Aqua	Mirror	Body			1	
B04-14	S150 E015	2	1.1-2.1	Historic	Metal	Ferrous	Cut nail				129	
B04-14	S150 E015	2	1.1-2.1	Historic	Metal	Ferrous	Wire nail				25	
B04-14	S150 E015	2	1.1-2.1	Historic	Metal	Ferrous	Unidentified nail				7	
B04-14	S150 E015	2	1.1-2.1	Historic	Metal	Ferrous	Sheet				4	
B04-14	S150 E015	2	1.1-2.1	Historic	Metal	Ferrous	Staple				2	
B04-14	S150 E015	2	1.1-2.1	Historic	Metal	Ferrous	Wire				1	
B04-14	S150 E015	2	1.1-2.1	Historic	Metal	Lead	Sheet				8	
B04-14	S150 E015	2	1.1-2.1	Historic	Metal	Lead	Window came				2	
B04-14	S150 E015	2	1.1-2.1	Historic	Faunal	Bivalve	Clam	Food			5	
B04-14	S150 E015	2	1.1-2.1	Historic	Faunal	Bivalve	Unidentified	Food			1	
B04-14	S150 E015	2	1.1-2.1	Historic	Other	Coal					1	
B04-14	S150 E015	3	2.1-3.1	Historic	Glass	Aqua	Mirror	Body			2	
B04-14	S150 E015	3	2.1-3.1	Historic	Glass	Aqua	Window	Body			2	
B04-14	S150 E015	3	2.1-3.1	Historic	Glass	Clear	Container	Body			1	
B04-14	S150 E015	3	2.1-3.1	Historic	Metal	Ferrous	Cut nail				21	
B04-14	S150 E015	3	2.1-3.1	Historic	Metal	Ferrous	Unidentified nail				11	
B04-14	S150 E015	3	2.1-3.1	Historic	Metal	Ferrous	Spike				1	
B04-14	S150 E015	3	2.1-3.1	Historic	Metal	Lead	Window came				2	
B04-15	S175 E0	2	0.8-1.2	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
B04-15	S175 E0	2	0.8-1.2	Historic	Glass	Clear	Container	Body			1	
B04-15	S175 E0	2	0.8-1.2	Historic	Glass	Clear	Container	Body			1	Embossed lettering: "STO..."
B04-15	S175 E0	2	0.8-1.2	Historic	Metal	Ferrous	Unidentified nail				3	
B04-15	S175 E0	2	0.8-1.2	Historic	Faunal	Bivalve	Clam	Food			2	
B04-15	S175 E0	2	0.8-1.2	Historic	Faunal	Mammal	Unidentified	Food			1	
B04-16	S215 E050	1	0-1.8	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
B04-16	S215 E050	1	0-1.8	Historic	Glass	Aqua	Window	Body			2	
B04-16	S215 E050	1	0-1.8	Historic	Glass	Aqua	Container	Body			1	
B04-16	S215 E050	1	0-1.8	Historic	Glass	Brown	Container	Body			2	
B04-16	S215 E050	1	0-1.8	Historic	Glass	Clear	Container	Body			2	
B04-16	S215 E050	1	0-1.8	Historic	Glass	Clear	Container	Finish			2	Prescription lip; crosshatched



Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
B04-18	S216 E050	3	2.9-4.3	Historic	Glass	Green	Container	Body			1	
B05-01	S100 E035	1	0-1.3	Historic	Glass	Aqua	Window	Body			2	
B05-01	S100 E035	1	0-1.3	Recent	Glass	Clear	Container	Base			1	Embossed lettering: "...120,277", "...42.3", "..."; (Diamond Glass Co., 1924-present)
B05-01	S100 E035	1	0-1.3	Recent	Glass	Clear	Container	Body			1	Embossed decoration
B05-01	S100 E035	1	0-1.3	Recent	Glass	Clear	Container	Body			7	
B05-01	S100 E035	2	1.3-2.4	Historic	Glass	Aqua	Window	Body			2	
B05-01	S100 E035	2	1.3-2.4	Historic	Glass	Aqua	Window	Body			2	
B05-01	S100 E035	2	1.3-2.4	Historic	Glass	Lavender	Container	Body			2	
B05-01	S100 E035	2	1.3-2.4	Historic	Metal	Ferrous	Unidentified nail				2	
B05-02	S075 E0	1,2	0-2.4	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
B05-02	S075 E0	1,2	0-2.4	Historic	Ceramic	Xaolin	Undecorated		Tobacco pipe	Bowl	1	
B05-02	S075 E0	1,2	0-2.4	Historic	Glass	Aqua	Window	Body			3	
B05-02	S075 E0	1,2	0-2.4	Historic	Glass	Aqua	Container	Body			1	
B05-02	S075 E0	1,2	0-2.4	Historic	Glass	Lavender	Container	Body			1	
B05-03	S125 E015	1-3	0-2.8	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	2	
B05-03	S125 E015	1-3	0-2.8	Historic	Ceramic	Xaolin	Undecorated		Tobacco pipe	Stem	1	
B05-03	S125 E015	1-3	0-2.8	Historic	Glass	Aqua	Window	Body			5	
B05-03	S125 E015	1-3	0-2.8	Historic	Glass	Aqua	Container	Body			1	
B05-03	S125 E015	1-3	0-2.8	Historic	Glass	Brown	Container	Body			3	
B05-03	S125 E015	1-3	0-2.8	Historic	Glass	Clear	Container	Body			1	
B05-03	S125 E015	1-3	0-2.8	Historic	Glass	Light green	Container	Body			2	
B05-03	S125 E015	1-3	0-2.8	Historic	Metal	Ferrous	Unidentified nail				1	
B05-03	S125 E015	1-3	0-2.8	Historic	Faunal	Bivalve	Unidentified	Food			1	
B05-04	S085 E005	1	0-0.9	Historic	Glass	Aqua	Window	Body			1	
B05-04	S085 E005	1	0-0.9	Historic	Metal	Ferrous	Cut nail				1	
B05-04	S085 E005	1	0-0.9	Historic	Metal	Ferrous	Unidentified nail				1	
B05-04	S085 E005	3	2.3-3.2	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
B05-05	S080 E0	1	0-1.4	Historic	Metal	Ferrous	Unidentified nail				1	
B05-05	S080 E0	1	0-1.4	Historic	Metal	Ferrous	Spike				1	
B05-08	S077 E044	1	0-1.8	Historic	Metal	Ferrous	Knife				1	Handle & part of blade of table knife
B05-08	S077 E044	1	0-1.8	Historic	Metal	Ferrous	Unidentified nail				2	
B05-08	S077 E044	2	0.9-2.8	Historic	Ceramic	Xaolin	Undecorated		Tobacco pipe	Stem	1	
B05-08	S077 E044	2	0.9-2.8	Historic	Glass	Amber	Container	Body			4	
B05-08	S077 E044	2	0.9-2.8	Historic	Glass	Aqua	Window	Body			9	
B05-08	S077 E044	2	0.9-2.8	Historic	Glass	Clear	Container	Body			1	
B05-08	S077 E044	2	0.9-2.8	Historic	Glass	Clear	Unidentified	Fragment			1	
B05-08	S077 E044	2	0.9-2.8	Historic	Metal	Ferrous	Unidentified nail				2	
B05-07	S089 W015	2	1.3-2.2	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Base	2	
B05-07	S089 W015	2	1.3-2.2	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	10	
B05-07	S089 W015	2	1.3-2.2	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	
B05-07	S089 W015	2	1.3-2.2	Historic	Glass	Aqua	Window	Body			3	
B05-07	S089 W015	2	1.3-2.2	Historic	Glass	Clear	Container	Body			1	
B05-07	S089 W015	2	1.3-2.2	Historic	Glass	Light green	Container	Body			1	
B05-07	S089 W015	2	1.3-2.2	Historic	Glass	Green	Container	Body			4	
B05-07	S089 W015	2	1.3-2.2	Historic	Glass	Green	Container	Finish			1	Champagne type
B05-07	S089 W015	2	1.3-2.2	Historic	Metal	Ferrous	Cut nail				1	
B05-07	S089 W015	2	1.3-2.2	Historic	Metal	Ferrous	Unidentified nail				4	
B30 E	S100 W085	1	0-0.7	Historic	Glass	Aqua	Window	Body			5	
B30 E	S100 W085	1	0-0.7	Historic	Glass	Aqua	Unidentified	Fragment			1	
B30 E	S100 W085	1	0-0.7	Historic	Glass	Clear	Container	Body			2	
B30 E	S100 W085	1	0-0.7	Historic	Metal	Copper	Nut				1	Slotted
B30 E	S100 W085	1	0-0.7	Historic	Metal	Ferrous	Cut nail				2	
B30 E	S100 W085	1	0-0.7	Historic	Faunal	Bivalve	Unidentified	Food			1	
B30 N	S085 W100	1	0-0.9	Historic	Ceramic	Brick					1	
B30 N	S085 W100	1	0-0.9	Historic	Ceramic	Porcelain	Undecorated		Flat form	Base	2	
B30 N	S085 W100	1	0-0.9	Historic	Ceramic	Porcelain	Undecorated		Flat form	Body	1	
B30 N	S085 W100	1	0-0.9	Historic	Ceramic	Porcelain	Undecorated		Flat form	Rim	2	
B30 N	S085 W100	1	0-0.9	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Handle	1	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
B30 N	S085 W100	1	0-0.9	Historic	Glass	Aqua	Window	Body			5	
B30 N	S085 W100	1	0-0.9	Historic	Glass	Clear	Container	Body			1	
B30 N	S085 W100	1	0-0.9	Historic	Glass	Pink	Container	Body			2	Enamelled
B30 N	S085 W100	1	0-0.9	Historic	Metal	Brass	Cartridge case				1	
B30 N	S085 W100	1	0-0.9	Historic	Metal	Ferrous	Cut nail				4	
B30 N	S085 W100	1	0-0.9	Historic	Metal	Ferrous	Unidentified nail				1	
B30 S	S115 W100	1	0-0.8	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Sewer tile	Body	5	
B30 S	S115 W100	1	0-0.8	Historic	Ceramic	Whiteware	Transfer print, underglaze		Hollow form	Rim	1	
B30 S	S115 W100	1	0-0.8	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
B30 S	S115 W100	1	0-0.8	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
B30 S	S115 W100	1	0-0.8	Historic	Ceramic	Brick					1	
B30 S	S115 W100	1	0-0.8	Historic	Glass	Aqua	Window	Body			3	
B30 S	S115 W100	1	0-0.8	Historic	Glass	Brown	Container	Body			2	
B30 S	S115 W100	2	0.8-2.2	Historic	Ceramic	Brick					1	
B30 S	S115 W100	2	0.8-2.2	Historic	Glass	Aqua	Window	Body			3	
B30 S	S115 W100	2	0.8-2.2	Historic	Glass	Brown	Container	Body			1	
B30 S	S115 W100	2	0.8-2.2	Historic	Metal	Ferrous	Cut nail				3	
B30 S	S115 W100	2	0.8-2.2	Historic	Other	Putty					1	
B30 W	S100 W115	1	0-0.8	Historic	Glass	Aqua	Container	Body			2	
B30 W	S100 W115	1	0-0.8	Historic	Glass	Aqua	Window	Body			1	
B30 W	S100 W115	1	0-0.8	Historic	Glass	Green	Container	Body			1	
B30 W	S100 W115	1	0-0.8	Historic	Metal	Ferrous	Cut nail				1	
B30 W	S100 W115	2	0.8-1.3	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
B30 W	S100 W115	2	0.8-1.3	Historic	Glass	Aqua	Container	Body			1	
B30 W	S100 W115	2	0.8-1.3	Historic	Metal	Ferrous	Cut nail				3	
B30 W	S100 W115	2	0.8-1.3	Historic	Faunal	Bivalve	Unidentified	Food			1	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Ceramic	Terra cotta	Undecorated		Tobacco pipe	Bowl	1	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Heel	2	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Ceramic	Kaolin	Rouletted		Tobacco pipe	Bowl	1	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Ceramic	Kaolin	Molded		Tobacco pipe	Stem	1	Maker's marks: "NE..."; "...WHYLAND"
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Glass	Aqua	Window	Body			57	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Glass	Brown	Container	Body			2	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Glass	Clear	Container	Body			2	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Glass	Green	Container	Body			1	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Metal	Brass	Military button				1	"WATERBURY BUTTON CO." on reverse [1880's-1902]
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Metal	Ferrous	Cut nail				27	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Metal	Ferrous	Wire nail				1	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Metal	Ferrous	Unidentified nail				3	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Metal	Ferrous	Screw				1	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Metal	Ferrous	Shoot				4	
Tr B03-01(bldg int)	S170 W095	1	2.0-3.0	Historic	Other	Hard rubber	Button				1	Backmark: "DHR Co. 1875." [Dickinson Hard Rubber Co.]

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Ceramic	Keofin	Molded				1	Maker's marks: "GLAS...", "...ITE"
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Glass	Aqua	Window	Body			48	
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Glass	Aqua	Container	Body			3	
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Glass	Aqua	Container	Body			1	Embossed lettering: "C&D"; recessed panel
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Glass	Clear	Lamp chimney	Body			2	
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Glass	Dark green	Container	Finish			1	Tooled lip & string rim
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Metal	Brass	Military button				1	"THEO. G. HOOD PHIL." on reverse [1890's-1902]
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Metal	Brass	Cartridge case				2	
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Metal	Brass	Snap fastener				1	Partially ferrous
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Metal	Ferrous	Cut nail				38	
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Metal	Ferrous	Wire Nail				1	
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Metal	Ferrous	Unidentified nail				1	
Tr B03-01(bldg int)	S170 W095	2	3.0-4.5	Historic	Metal	Ferrous	Sheet				5	Can fragments (?)
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Glass	Brown	Container	Body			3	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Glass	Clear	Container	Body			1	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Metal	Ferrous	Cut nail				3	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Metal	Ferrous	Unidentified nail				6	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Glass	Aqua	Window	Body			14	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Glass	Brown	Container	Body			1	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Glass	Clear	Container	Body			4	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Glass	Milk white	Unidentified	Fragment			1	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Metal	Ferrous	Cut nail				4	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Metal	Ferrous	Unidentified nail				3	
Tr B03-01(bldg int)	S170 W095	3	0.9-1.3	Historic	Metal	Ferrous	Wire				1	
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Ceramic	Yellow-bodied earthenware	Rockingham		Hollow form	Handle	1	
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Ceramic	Porcelain	Undecorated		Flat form	Base	1	
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Ceramic	Porcelain	Undecorated		Tile	Body	1	
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Glass	Aqua	Window	Body			1	
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Glass	Brown	Container	Shoulder			2	Crossband
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Glass	Light green	Container	Body			1	
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Glass	Lavender	Container	Body			1	Embossed lettering: "...RMA...", "...LOGNE", "...OYT &...", "...ELL...", "...S..."
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Metal	Brass	Cartridge case				1	.45 cal.

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Metal	Lead	Bullet				1	
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Metal	Unidentified	Unidentified				1	2mm Dia. dark w/ threaded shank through center
Tr B04-01	S130 W01.15	1	0-0.7	Historic	Other	Carbon	Battery core				1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Prehistoric	Lithic	Quartzite	Flake				2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Brick					8	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Sewer tile	Body	6	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	16	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Rodware	Unglazed		Hollow form	Body	2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Rodware, refined	Unglazed		Hollow form	Body	1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Pearlware	Molded		Flat form	Rim	1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Whiteware	Hand painted, underglaze		Hollow form	Body	1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	4	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Rim	5	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Base	1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Kaolin	Molded	Rouletted	Tobacco pipe	Bowl	1	Image of harp & leaves, "...MEKULE"
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Amber	Container	Body			8	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Aqua	Window	Body			28	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Aqua	Container	Body			14	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Aqua	Container	Body			1	Embossed lettering: "H..."
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Aqua	Container	Body			1	Embossed lettering: "...JAK...", "CHARLES", "...ALTIM..."
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Aqua	Container	Body			2	Embossed lettering: "EXCE...", "LAG..."; (Excelsior Lager, Brooklyn N.Y. (?) ; crossmend
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Aqua	Unidentified	Fragment			2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Brown	Container	Body			1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Brown	Container	Finish			1	Down tooled lip & rim
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Clear	Container	Base			1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Clear	Container	Body			13	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Clear	Container	Finish			2	Prescription lip
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Clear	Lamp chimney	Body			3	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Clear	Lamp shade	Body			1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Green	Container	Body			5	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Dark green	Container	Body			1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Lavender	Container	Base			1	Embossed lettering: "WT & Co", "A"; (Whitall-Tatum & Co. (1857-1935))
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Lavender	Container	Body			4	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	Lavender	Container	Finish			1	Prescription lip
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Glass	White	Button	Whole			2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Brass	Button				1	Back only
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Brass	Cartridge case				1	.30 cal. 'bottle' shaped
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Brass	Key				1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Ferrous	Cut nail				6	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Ferrous	Unidentified nail				19	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Ferrous	Strip				1	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Ferrous	Unidentified				3	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Ferrous	Wire				5	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Lead	Unidentified				1	

**Fort Totten Phase II  
Area B - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Nickel	Coin					
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Metal	Unidentified	Unidentified				1	US 5¢ piece
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Faunal	Bivalve	Clam	Food			1	Bottle closure fragment (?)
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Faunal	Bivalve	Unidentified	Food			4	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Faunal	Mammal	Unidentified	Food			2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Other	Mica	Unidentified				2	
Tr B04-01	S130 W01.15	2	0.7-1.7	Historic	Other	Slag					1	
Tr B04-01	S130 W01.15	2 W	0.7-1.6	Historic	Glass	Clear	Container	Body			3	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Ceramic	Whiteware	Undecorated				1	Nearly complete vial; patent lip; black residue inside; cork (?) stopper
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Ceramic	Kaolin	Undecorated		Unidentified	Fragment	1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	2	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	2	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Amber	Container	Base	Tobacco pipe	Stem	1	Maker's mark: "...ORONTO"
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Amber	Container	Body			2	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Aqua	Window	Body			1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Aqua	Container	Body			41	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Aqua	Container	Body			11	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Aqua	Container	Finish			1	Embossed lettering: "WHITES...", "D. &..."
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Aqua	Container	Shoulder			3	Rounded lip
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Brown	Container	Body			10	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Clear	Container	Body			1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Clear	Lamp chimney	Body			1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Light green	Container	Body			18	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Green	Container	Base			1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Green	Container	Body			4	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Green	Container	Shoulder			29	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Dark green	Container	Body			1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Glass	Lavender	Container	Body			2	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Metal	Brass	Cartridge case				3	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Metal	Ferrous	Horseshoe				1	.45 cal.
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Metal	Ferrous	Cut nail				1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Metal	Ferrous	Unidentified nail				26	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Metal	Ferrous	Shoot				38	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Metal	Ferrous	Wre				1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Faunal	Bivalve	Clam	Food			1	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Faunal	Bivalve	Unidentified	Food			5	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Other	Cement	Unidentified				3	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Other	Mica	Unidentified				2	
Tr B04-01	S130 W01.15	3	1.7-2.6	Historic	Other	Putty					4	
Tr B04-01	S130 W01.15	3 E	1.7-2.6	Historic	Glass	Aqua	Container	Body			4	Base to shoulder shards crossmend; embossed lettering: "R. ... SHINN GEORGETOWN D.C.", "S.", "THIS BOTTLE IS NEVER SOLD"
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Ceramic	Brick	Glazed				1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Ceramic	Buff-bodied earthenware	Un glazed		Pipe	Body	1	Flue ?; slag adhering to inner surface
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear	Albany slip	Crock	Base	2	clear glaze outside, Albany slip inside; crossmend
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Ceramic	Redware	Lead glaze, clear		Hollow form	Body	1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Whole	9	Crossmends to form complete vessel; apothecary jar (?)
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Amber	Container	Body	Tobacco pipe	Stem	1	Refined gray body
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Aqua	Window	Body			4	
											13	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Aqua	Container	Body			2	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Aqua	Container	Whole			1	Umbrella-type ink bottle
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Brown	Container	Body			7	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Clear	Container	Body			2	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Clear	Lamp chimney	Body			1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Clear	Lamp shade	Rim			1	Ribbed decoration
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Green	Container	Body			13	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Green	Container	Finish			1	Champagne type
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Dark green	Container	Body			4	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Dark green	Container	Finish			1	Flat-sided tooled lip, applied string rim
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Lavender	Container	Body			1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Lavender	Lamp shade	Body			1	Embossed US shield & stars
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	Lavender	Lamp shade	Body			1	Rim to base sherd; embossed US shield & stars
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Glass	White	Button	Whole			4	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Brass	Oil lamp part				1	Burner mechanism
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Bolt				1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Handle bar brace				1	Some handle bar wood attached
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Cut nail				11	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Unidentified nail				31	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Plate				2	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Pipe				1	Flanged
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Strap				1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Sheet				2	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Tube				1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Ferrous	Unidentified				13	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Metal	Lead	Strip				3	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Faunal	Bivalve	Clam	Food			4	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Faunal	Bivalve	Unidentified	Food			5	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Faunal	Mammal	Bovine	Food			10	Many cut
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Other	Coal					1	
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Other	Leather	Shoe part				4	Sole
Tr B04-01	S130 W01.15	4	2.6-3.1	Historic	Other	Slag					1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	rim	1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Ceramic	Gray-bodied stoneware	Unglazed		Unidentified	Unidentified	1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	Complete bowl
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Ceramic	Xeolin	Undecorated		Tobacco pipe	Stem	1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Aqua	Window	Body			1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Aqua	Container	Base			1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Aqua	Mirror	Rim			1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Brown	Container	Body			8	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Brown	Container	Shoulder			2	Incl. part of neck; crossmend
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Clear	Container	Base			1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Clear	Lamp chimney	Body			3	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Clear	Lamp shade	Body			3	Ribbed decoration; crossmend
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Light green	Container	Shoulder			1	Embossed lettering: "PH..."
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Green	Container	Whole			1	7.5" Ink bottle w/pouring lip; late-19th early-20th century
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Lavender	Container	Body			1	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Lavender	Container	Body			1	Embossed US shield & stars
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Glass	Lavender	Container	Rim			2	Flared, fire polished lip; crossmend
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Metal	Copper	Coin				1	US penny, 1863
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Metal	Ferrous	Unidentified nail				9	



**Fort Totten Phase II  
Area B - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Metal	Ferrous	Strip				5	
Tr B04-01	S130 W01.15	5	3.1-3.7	Historic	Other	Leather	Shoe part				1	Sole
Tr B04-01 (burnt cinder, coal, and limestone concentration A)	—	1 N	2.5-3.4	Historic	Glass	Clear	Container	Body			1	
Tr B04-01 (burnt cinder, coal, and limestone concentration A)	—	1 N	2.5-3.4	Historic	Metal	Ferrous	Cut nail				1	
Tr B04-01 (burnt cinder, coal, and limestone concentration A)	—	1 N	2.5-3.4	Historic	Metal	Ferrous	Unidentified nail				1	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Ceramic	Pearlware	Hand painted, underglaze	Polychrome	Hollow form	Body	1	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Ceramic	Pearlware	Hand painted, underglaze	Polychrome	Hollow form	Rim	1	Shard from 8 in. dia. bowl
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	Rim to base shard of 5.5 in. dia. bowl
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Glass	Aqua	Window	Body			9	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Glass	Brown	Container	Whole			1	Down-tooled lip, rounded wing rim, tapered neck, 3-piece mold scars, mamelon base; embossed lettering on base: "WHITNEY GLASS WORKS GLASSBORO N.J."
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Glass	Lavender	Container	Body			1	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Glass	Lavender	Container	Finish			1	Flared, fire polished lip
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Metal	Ferrous	Cut nail				4	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Metal	Ferrous	Unidentified nail				10	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Faunal	Mammal	Unidentified	Food			1	Cut
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Other	Leather	Unidentified				1	



Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	1	2.5-3.4	Historic	Other	Slag					1	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	2	3.2-3.5	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	2	3.2-3.5	Historic	Glass	Aqua	Window	Body			3	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	2	3.2-3.5	Historic	Metal	Ferrous	Unidentified nail				3	
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	2	3.2-3.5	Historic	Faunal	Mammal	Bovine				1	Distal end of femur
Tr B04-01 (burnt cinder, coal, and limestone concentration B)	—	2	3.2-3.5	Historic	Faunal	Mammal	Unidentified				1	Cut marks
Tr B04-01 (mortar concentration)	S130 W01.15	1	3.7-4.0	Historic	Metal	Ferrous	Cut nail				4	
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	Burned
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Glass	Aqua	Container	Body			4	Some crossmend
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Glass	Aqua	Container	Finish			2	V-shaped tooled lip, tooled string rim, crossmend
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Glass	Aqua	Container	Shoulder			2	
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Glass	Aqua	Unidentified	Fragment			1	
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Glass	Brown	Container	Body			1	
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Glass	Green	Container	Body			4	
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Glass	Lavender	Container	Body			2	
Tr B04-01 (shell concentration)	S130 W01.15	1 S	3.8-3.9	Historic	Metal	Ferrous	Unidentified nail				1	
Tr B05-01	S101.5 W07.5	1	0-1.9	Historic	Ceramic	Redware	Unglazed		Hollow form	Body	1	
Tr B05-01	S101.5 W07.5	1	0-1.9	Historic	Ceramic	Gray-bodied stoneware	Unidentified		Tile	Body	1	Burned
Tr B05-01	S101.5 W07.5	1	0-1.9	Historic	Ceramic	Porcelain	Undecorated		Flat form	Rim	1	Rim to foot shard
Tr B05-01	S101.5 W07.5	1	0-1.9	Historic	Glass	Aqua	Window	Body			1	
Tr B05-01	S101.5 W07.5	1	0-1.9	Historic	Metal	Ferrous	Cut nail				5	
Tr B05-01	S101.5 W07.5	1	0-1.9	Historic	Metal	Ferrous	Unidentified nail				9	
Tr B05-01	S101.5 W07.5	1	0-1.9	Historic	Faunal	Bivalve	Unidentified	Food			1	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	3	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Ceramic	Porcelain	Undecorated		Flat form	Body	2	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Glass	Aqua	Window	Body			2	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Glass	Aqua	Container	Body			1	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Glass	Green	Container	Body			1	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Metal	Ferrous	Unidentified nail				1	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Metal	Ferrous	Screw				1	

**Fort Totten Phase II  
Area B - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Metal	Ferrous	Spike				1	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Metal	Ferrous	Unidentified				1	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Faunal	Bivalve	Clam		Food		1	
Tr B05-01	S101.5 W07.5	2 E	1.9-3.0	Historic	Faunal	Mammal	Unidentified		Food		1	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Prehistoric	Lithic	Argillite	Flake				1	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Ceramic	Whiteware	Undecorated				1	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rim	1	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Ceramic	Buff-bodied stoneware	Salt glazed		Unidentified	Fragment	1	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Ceramic	Ironstone	Undecorated		Ink bottle	Whole	1	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Ceramic	Porcelain	Undecorated		Flat	Base	1	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Ceramic	Keolin	Undecorated		Flat	Body	2	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Amber	Container		Tobacco pipe	Stem	2	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Aqua	Window	Body			8	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Aqua	Container	Body			2	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Aqua	Container	Base			2	Crossmend; embossed lettering on body: "D&P MARTENS WHITESTONE LI"
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Brown	Container	Body			15	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Clear	Container	Body			3	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Clear	Container	Base			1	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Clear	Container	Body			13	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Clear	Container	Whole			1	Prescription lip; 3-piece mold scars; valve mark on base
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Green	Container	Base			1	Post bottom mold mark
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Green	Container	Body			31	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Green	Container	Finish			1	Champagne type
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Green	Container	Finish			1	Tooled lip; V-shaped tooled string rim
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Glass	Olive green	Container	Body			1	Parry Davis type
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Metal	Brass	Military button				3	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Metal	Brass	Cartridge case				1	1874-1902 type; backmark: ["SCOVILL MFG. CO." (?)]
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Metal	Brass	Key				1	.45 cal.
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Metal	Ferrous	Unidentified nail				2	Crossmend
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Metal	Ferrous	Sheet				14	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Other	Coal					7	
Tr B05-01	S101.5 W07.5	2 W	0.8-1.9	Historic	Other	Tar					2	
Tr B05-01	S101.5 W07.5	3 E	1.8-3.7	Historic	Ceramic	Agate ware	Lead glaze, clear		Door knob	Body	2	
Tr B05-01	S101.5 W07.5	3 E	1.8-3.7	Historic	Glass	Amber	Container	Body			1	
Tr B05-01	S101.5 W07.5	3 E	1.8-3.7	Historic	Glass	Aqua	Container	Body			1	
Tr B05-01	S101.5 W07.5	3 E	1.8-3.7	Historic	Glass	Green	Container	Body			1	
Tr B05-01	S101.5 W07.5	3 W	1.9-3.2	Historic	Ceramic	Keolin	Undecorated		Tobacco pipe	Stem	3	
Tr B05-01	S101.5 W07.5	3 W	1.9-3.2	Historic	Glass	Aqua	Container	Body			1	
Tr B05-01	S101.5 W07.5	3 W	1.9-3.2	Historic	Glass	Green	Container	Body			1	
Tr B05-01	S101.5 W07.5	3 W	1.9-3.2	Historic	Metal	Ferrous	Unidentified nail				1	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, black				2	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Glass	Amber	Container		Sewer tile	Body	1	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Glass	Aqua	Container	Body			2	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Glass	Brown	Container	Body			3	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Glass	Brown	Container	Base			1	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Glass	Green	Container	Body			3	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Metal	Copper	Coin				2	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Metal	Ferrous	Unidentified nail				1	US penny, 186(?)4
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Other	Leather	Shoe part				1	
Tr B05-01	S101.5 W07.5	4	3.7-7	Historic	Other	Coal					4	
TU B01-01	S015 E080	1	0-0.8	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Base	17	Crossmends w/ironstone in level 1 N
TU B01-01	S015 E080	1	0-0.8	Historic	Ceramic	Ironstone	Molded		Flat form	Rim	1	
TU B01-01	S015 E080	1	0-0.8	Historic	Ceramic	Keolin	Undecorated		Tobacco pipe	Stem	1	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Amber	Container	Body			1	
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Aqua	Window	Body			6	
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Aqua	Container	Base			1	
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Aqua	Container	Body			9	
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Clear	Container	Body			2	
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Light green	Container	Body			1	
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Green	Container	Body			1	
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Lavender	Container	Body			1	
TU B01-01	S015 E080	1	0-0.8	Historic	Glass	Lavender	Container	Body			1	
TU B01-01	S015 E080	1	0-0.8	Historic	Metal	Ferrous	Cut nail				1	Ribbed
TU B01-01	S015 E080	1	0-0.8	Historic	Metal	Ferrous	Unidentified nail				37	
TU B01-01	S015 E080	1	0-0.8	Historic	Metal	Lead	Sprue				51	
TU B01-01	S015 E080	1	0-0.8	Historic	Faunal	Bivalve	Unidentified	Food			1	
TU B01-01	S015 E080	1	0-0.8	Historic	Faunal	Mammal	Unidentified	Food			1	
TU B01-01	S015 E080	1	0-0.8	Historic	Other	Putty					1	Cut vertebra
TU B01-01	S015 E080	1 N	7	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Base	11	Crossmounds w/ironstone in level 1; apothecary jar?
TU B01-02	S011 E081.5	1	0-1.0	Historic	Ceramic	Gray-bodied earthenware	Lead glaze, clear		Sewer tile	Body	2	
TU B01-02	S011 E081.5	1	0-1.0	Historic	Glass	Aqua	Window	Body			1	
TU B01-02	S011 E081.5	1	0-1.0	Historic	Glass	Brown	Container	Body			1	
TU B01-02	S011 E081.5	1	0-1.0	Historic	Metal	Ferrous	Boh				1	
TU B01-02	S011 E081.5	1	0-1.0	Historic	Metal	Ferrous	Wire nail				1	
TU B01-02	S011 E081.5	1	0-1.0	Historic	Metal	Ferrous	Unidentified nail				1	
TU B01-02	S011 E081.5	1	0-1.0	Historic	Metal	Ferrous	Screw				1	
TU B01-02	S011 E081.5	1	0-1.0	Historic	Metal	Ferrous	Washer				1	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Glass	Aqua	Window	Body			6	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Glass	Clear	Container	Body			1	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Glass	Light green	Container	Body			1	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Glass	Green	Container	Body			1	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Glass	Green	Container	Body			1	Embossed lettering or decoration
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Glass	Dark green	Container	Body			2	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Metal	Ferrous	Cut nail				11	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Metal	Ferrous	Wire nail				1	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Metal	Ferrous	Unidentified nail				16	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Metal	Pewter	Sprue				2	Identification not certain
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Faunal	Mammal	Unidentified	Food			4	Cut
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Other	Coal					1	
TU B01-02	S011 E081.5	2	0.7-1.3	Historic	Other	Slag					1	
TU B01-02	S011 E081.5	3	1.3-1.8	Historic	Metal	Ferrous	Cut nail				3	
TU B01-02	S011 E081.5	3	1.3-1.8	Historic	Metal	Ferrous	Unidentified nail				7	
TU B01-02	S011 E081.5	3	1.3-1.8	Historic	Metal	Ferrous	Strip				1	
TU B01-02	S011 E081.5	3	1.3-1.8	Historic	Metal	Unidentified	Sheet				1	
TU B01-02	S011 E081.5	4	1.8-2.1	Prehistoric	Lithic	Quartzite	Flake				1	
TU B01-02	S011 E081.5	4	1.8-2.1	Historic	Glass	Lavender	Unidentified	Fragment			2	
TU B01-02	S011 E081.5	4 F	?	Historic	Metal	Ferrous	Cut nail				1	
TU B01-02	S011 E081.5	4 F	?	Historic	Metal	Ferrous	Unidentified				4	
TU B02-01	S086.5 W130	1	0-1.8	Historic	Ceramic	Brick					1	
TU B02-01	S086.5 W130	1	0-1.8	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	2	
TU B02-01	S086.5 W130	1	0-1.8	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Tile	Body	1	
TU B02-01	S086.5 W130	1	0-1.8	Historic	Ceramic	Whiteware	Transfer print, underglaze		Flet form	Body	1	
TU B02-01	S086.5 W130	1	0-1.8	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	5	
TU B02-01	S086.5 W130	1	0-1.8	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	2	
TU B02-01	S086.5 W130	1	0-1.8	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Rim	1	Incl. base of handle; approx 3 in. dia. cup or mug
TU B02-01	S086.5 W130	1	0-1.8	Historic	Ceramic	Bisque	Unidentified		Unidentified	Body	1	Figurine shard ?; residue of colorant on outer surface

**Fort Totten Phase II  
Area B - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B02-01	S088.5 W130	1	0-1.8	Historic	Ceramic	Kaolin	Molded		Tobacco pipe	Bowl	2	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Ceramic	Kaolin	Unidentified		Tobacco pipe	Bowl	1	Inner surface only
TU B02-01	S088.5 W130	1	0-1.8	Historic	Ceramic	Terra cotta	Undecorated		Tobacco pipe	Heel	1	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Amber	Container	Body			7	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Aqua	Window	Body			49	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Aqua	Container	Base			1	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Aqua	Container	Body			3	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Aqua	Container	Body			1	Partially melted
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Brown	Container	Body			2	Embossed lettering: "LOUIS KEF..."; partially melted
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Clear	Container	Body			6	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Clear	Lamp chimney	Body			2	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Clear	Unidentified	Body			1	Engraved decoration; stem-ware ?
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Clear	Unidentified	Unidentified			1	Partially melted
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Green	Container	Body			4	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Dark green	Container	Base			3	Mamelon type; crossmend
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Dark green	Container	Body			4	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Glass	Lavender	Container	Body			8	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Metal	Brass	Insignia				1	US shield
TU B02-01	S088.5 W130	1	0-1.8	Historic	Metal	Brass	Unidentified				1	Retaining collar ?
TU B02-01	S088.5 W130	1	0-1.8	Historic	Metal	Ferrous	Cut nail				42	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Metal	Ferrous	Wire nail				6	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Metal	Ferrous	Unidentified nail				18	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Faunal	Bivalve	Clem	Food			1	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Faunal	Bivalve	Unidentified	Food			7	
TU B02-01	S088.5 W130	1	0-1.8	Historic	Floral	Wood	Unidentified				1	Charred
TU B02-01	S088.5 W130	1	0-1.8	Historic	Other	Mica	Unidentified				1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Ceramic	Whiteware	Transfer print, underglaze		Unidentified	Fragment	1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Ceramic	Whiteware	Undecorated		Flat form	Rem	1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Ceramic	Ironstone	Molded		Hollow form	Base	1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Ceramic	Ironstone	Undecorated		Flat form	Body	1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Glass	Aqua	Window	Body	Tobacco pipe	Stem	1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Glass	Clear	Container	Body			2	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Glass	Light green	Container	Body			2	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Glass	Green	Container	Body			4	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Metal	Ferrous	Cut nail				1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Metal	Ferrous	Hook				6	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Metal	Ferrous	Wire nail				1	Screw hook
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Metal	Ferrous	Unidentified nail				3	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Metal	Ferrous	Unidentified				1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Faunal	Bivalve	Unidentified	Food			1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Faunal	Mammal	Unidentified	Food			1	
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Floral	Wood	Unidentified				1	Cut vertebra
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Other	Concrete	Unidentified				1	Charred
TU B02-01	S088.5 W130	2	1.8-2.3	Historic	Other	Stone	Roofing slate					
TU B02-01	S088.5 W130	3	2.3-2.6	Historic	Glass	Aqua	Container	Body			1	
TU B02-01	S088.5 W130	3	2.3-2.6	Historic	Glass	Lavender	Container	Body			1	
TU B02-01	S088.5 W130	3	2.3-2.6	Historic	Metal	Ferrous	Cut nail				1	
TU B02-01	S088.5 W130	3	2.3-2.6	Historic	Metal	Ferrous	Wire nail				1	
TU B02-01	S088.5 W130	3	2.3-2.6	Historic	Metal	Ferrous	Unidentified nail				1	
TU B02-02	S135 W135	1	0-1.1	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	4	
TU B02-02	S135 W135	1	0-1.1	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU B02-02	S135 W135	1	0-1.1	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Handle	1	
TU B02-02	S135 W135	1	0-1.1	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rem	1	

**Fort Totten Phase II  
Area B - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B02-02	S135 W135	1	0-1.1	Historic	Ceramic	Porcelain	Undecorated		Flat form	Body	1	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Amber	Container	Body			3	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Aqua	Window	Body			25	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Aqua	Container	Base			1	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Aqua	Container	Body			1	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Aqua	Unidentified	Unidentified			1	Melted
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Brown	Container	Base			1	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Brown	Container	Body			3	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Clear	Container	Body			1	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Clear	Container	Finish			3	Pharmacy lip; crossmend
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Clear	Unidentified	Unidentified			1	Melted
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Green	Container	Body			5	
TU B02-02	S135 W135	1	0-1.1	Historic	Glass	Lavender	Container	Body			3	
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Brass	Cartridge case				1	.22 cal.
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Brass	Insignia				1	Corps of Engineers (pin ?)
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Brass	Unidentified				1	Military uniform item ?
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Ferrous	Cut nail				25	
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Ferrous	Wire nail				2	
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Ferrous	Unidentified nail				8	
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Ferrous	Plate				1	
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Ferrous	Screw				1	
TU B02-02	S135 W135	1	0-1.1	Historic	Metal	Ferrous	Strip				2	
TU B02-02	S135 W135	1	0-1.1	Historic	Other	Mica	Unidentified				1	
TU B02-02	S135 W135	2	1.1-1.5	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Unidentified	Fragment	2	
TU B02-02	S135 W135	2	1.1-1.5	Historic	Glass	Aqua	Window	Body			4	
TU B02-02	S135 W135	2	1.1-1.5	Historic	Glass	Aqua	Container	Body			2	
TU B02-02	S135 W135	2	1.1-1.5	Historic	Glass	Aqua	Container	Body			1	Embossed lettering: "SN... ", "NE..."
TU B02-02	S135 W135	2	1.1-1.5	Historic	Glass	Lavender	Container	Body			1	Cut or molded diamond decoration
TU B02-02	S135 W135	2	1.1-1.5	Historic	Glass	Lavender	Stopper	Whole			1	
TU B02-02	S135 W135	2	1.1-1.5	Historic	Metal	Ferrous	Cut nail				7	
TU B02-02	S135 W135	2	1.1-1.5	Historic	Metal	Ferrous	Unidentified nail				1	
TU B02-02	S135 W135	2-3	?	Historic	Ceramic	Brick						
TU B02-02	S135 W135	2-3	?	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU B02-02	S135 W135	2-3	?	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Handle	1	
TU B02-02	S135 W135	2-3	?	Historic	Ceramic	Kaolin	Reuletted		Tobacco pipe	Bowl	1	
TU B02-02	S135 W135	2-3	?	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
TU B02-02	S135 W135	2-3	?	Historic	Glass	Aqua	Window	Body			1	
TU B02-02	S135 W135	2-3	?	Historic	Glass	Brown	Container	Body			1	
TU B02-02	S135 W135	2-3	?	Historic	Glass	Clear	Container	Body			2	
TU B02-02	S135 W135	2-3	?	Historic	Glass	Green	Container	Body			1	
TU B02-02	S135 W135	2-3	?	Historic	Glass	Dark green	Container	Finish			1	Tooled lip, string rim
TU B02-02	S135 W135	2-3	?	Historic	Glass	Dark green	Container	Body			1	
TU B02-02	S135 W135	2-3	?	Historic	Glass	Lavender	Container	Body			1	
TU B02-02	S135 W135	2-3	?	Historic	Glass	White	Button	Rim			1	
TU B02-02	S135 W135	2-3	?	Historic	Metal	Ferrous	Cut nail				7	
TU B02-02	S135 W135	2-3	?	Historic	Metal	Ferrous	Wire nail				2	
TU B02-02	S135 W135	2-3	?	Historic	Metal	Ferrous	Unidentified nail				1	
TU B02-02	S135 W135	2-3	?	Historic	Other	Mica	Unidentified				1	
TU B02-03	S129 W138	1	—	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Unidentified	2	Foot ?; crossmend
TU B02-03	S129 W138	1	—	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
TU B02-03	S129 W138	1	—	Historic	Ceramic	Whiteware	Molded		Flat form	Rim	1	
TU B02-03	S129 W138	1	—	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	1	
TU B02-03	S129 W138	1	—	Historic	Glass	Aqua	Window	Body			8	
TU B02-03	S129 W138	1	—	Historic	Glass	Aqua	Container	Body			3	
TU B02-03	S129 W138	1	—	Historic	Glass	Brown	Container	Body			1	
TU B02-03	S129 W138	1	—	Historic	Glass	Clear	Container	Body			2	
TU B02-03	S129 W138	1	—	Historic	Glass	Green	Container	Body			1	
TU B02-03	S129 W138	1	—	Historic	Glass	Dark green	Container	Body			1	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B02-03	S129 W138	1	—	Historic	Metal	Ferrous	Cut nail					
TU B02-03	S129 W138	2	—	Historic	Ceramic	Whiteware	Undecorated				24	
TU B02-03	S129 W138	2	—	Historic	Glass	Aqua	Window			Unidentified	1	Foot (?)
TU B02-03	S129 W138	2	—	Historic	Glass	Brown	Container	Body			3	
TU B02-03	S129 W138	2	—	Historic	Glass	Clear	Container	Body			2	
TU B02-03	S129 W138	2	—	Historic	Metal	Ferrous	Cut nail				2	
TU B02-03	S129 W138	2	—	Historic	Metal	Ferrous	Wire nail				13	
TU B03-01	S170 W095	1	0-0.8	Historic	Metal	Ferrous	Unidentified				3	
TU B03-01	S170 W095	1	0-0.8	Historic	Glass	Aqua	Window	Body			1	
TU B03-01	S170 W095	1	0-0.8	Historic	Glass	Brown	Container	Body			2	
TU B03-01	S170 W095	1	0-0.8	Historic	Metal	Ferrous	Cut nail				1	
TU B03-01	S170 W095	1	0-0.8	Recent	Other	Plastic	Unidentified				1	
TU B03-01	S170 W095	1	2.0-3.0	Historic	Other	Leather	Grommet				1	
TU B03-01	S170 W095	2 F	3.0-4.5	Historic	Ceramic	Kaolin	Undecorated				1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Tobacco pipe	Stem	5	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Hollow form	Base	1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Ceramic	Redware	Unglazed			Body	1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Ceramic	Whiteware	Transfer print, underglaze		Hollow form	Base	1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Ceramic	Ironstone	Undecorated		Flat form	Rim	1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Ceramic	Ironstone	Undecorated		Unidentified	Fragment	1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Ceramic	Kaolin	Undecorated		Hollow form	Rim	1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Ceramic	Kaolin	Molded		Tobacco pipe	Stem	2	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Glass	Amber	Container	Body	Tobacco pipe	Stem	1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Glass	Aqua	Container	Body			1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Glass	Aqua	Window	Body			2	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Glass	Clear	Container	Body			10	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Glass	Clear	Lamp chimney	Body			2	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Glass	Green	Container	Body			1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Glass	Olive green	Container	Body			1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Metal	Ferrous	Cut nail				1	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Metal	Ferrous	Unidentified nail				6	
TU B03-01	S170 W095	2 N	0.8-1.0	Historic	Metal	Ferrous	Washer				1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Faunal	Bivalve	Oyster	Food			1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Ceramic	Whiteware	Undecorated		Unidentified		1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Ceramic	Pearlware	Undecorated		Unidentified	Fragment	1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Ceramic	Ironstone	Undecorated		Unidentified	Fragment	1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Ceramic	Kaolin	Undecorated		Hollow form	Rim	1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	2	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Glass	Aqua	Window	Body	Tobacco pipe	Stem	1	Tip
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Glass	Clear	Container	Shoulder			15	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Glass	Clear	Tumbler				1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Glass	Clear	Unidentified	Base			2	Crossmend; starburst base, ribbed sides
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Glass	Brown	Container	Fragment			1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Glass	Green	Container	Body			1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Metal	Ferrous	Cut nail	Body			1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Metal	Ferrous	Unidentified nail				19	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Metal	Ferrous	Bolt				1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Metal	Ferrous	Buckle				1	
TU B03-01	S170 W095	2 S	0.5-0.9	Historic	Other	Hard rubber	Button				1	
TU B03-01	S170 W095	3 F	4.5-5.8	Historic	Stone		Roofing slate				1	
TU B03-01	S170 W095	3 F	4.5-5.8	Historic	Glass	Aqua	Window	Body			1	
TU B03-01	S170 W095	3 F	4.5-5.8	Historic	Glass	Aqua	Container	Body			13	
TU B03-01	S170 W095	3 F	4.5-5.8	Historic	Glass	Lavender	Container	Body			1	Embossed lettering: "P..."
TU B03-01	S170 W095	3 F	4.5-5.8	Historic	Metal	Ferrous	Cut nail				1	
TU B03-01	S170 W095	3 F	4.5-5.8	Historic	Faunal	Bivalve	Unidentified	Food			2	
TU B03-01	S170 W095	3 F	4.5-5.8	Historic	Faunal	Bivalve	Unidentified	Food			2	



Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (M.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Brick, yellow						
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Whiteware	Annular		Hollow form	Body	1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Whiteware	Undecorated		Undecorated	Body	1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Whiteware	Undecorated		Undecorated	Rim	1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	2	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	1	With spur
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Ceramic	Kaolin	Molded		Tobacco pipe	Stem	1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Glass	Aqua	Window				30	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Glass	Brown	Container				2	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Glass	Clear	Container	Body			3	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Glass	Clear	Container	Rim			1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Glass	Clear	Lamp chimney	Body			1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Glass	Dark green	Container	Body			1	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Glass	Dark green	Container	Finish			1	Stopper type
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Metal	Ferrous	Cut nail				18	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Metal	Ferrous	Undecorated nail				7	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Metal	Ferrous	Wire				4	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Faunal	Mammal	Undecorated	Food			2	
TU B03-01	S170 W095	3 N	1.0-1.2	Historic	Other	Coal					2	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Glass	Aqua	Window	Body			2	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Glass	Aqua	Container	Body			1	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Glass	Brown	Container	Base			1	Embossed lettering: "NEWMAN'S", "BAKER - & CO.", "PAT...78"
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Glass	Brown	Container	Body			1	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Glass	Brown	Container	Fragment			1	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Metal	Ferrous	Cut nail				8	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Metal	Ferrous	Undecorated nail				4	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Metal	Ferrous	Screw				1	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Metal	Lead	Strip				1	
TU B03-01	S170 W095	3 S	0.9-1.3	Historic	Other	Carbon	Battery core				2	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Fragment	1	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Ceramic	Earthenware	Molded		Hollow form	Base	1	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Glass	Brown	Container	Body			2	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Glass	Clear	Container	Body			3	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Glass	Dark green	Container	Body			1	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Glass	White	Button	Whole			1	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Metal	Ferrous	Cut nail				5	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Metal	Ferrous	Undecorated nail				6	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Metal	Silver colored	Split ring				1	
TU B03-01	S170 W095	4 S	1.3-2.0	Historic	Metal	Ferrous	Cut nail				15	
TU B03-02	--	--	--	Historic	Metal	Ferrous	Undecorated nail				2	
TU B03-02	--	--	--	Historic	Metal	Ferrous	Undecorated nail				1	
TU B03-02	--	1	0-0.8	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
TU B03-02	--	1	0-0.8	Historic	Glass	Aqua	Window	Body			1	
TU B03-02	--	1	0-0.8	Historic	Glass	Green	Container	Body			1	
TU B03-02	--	1	0-0.8	Historic	Glass	Lavender	Container	Body			1	
TU B03-02	--	1	0-0.8	Historic	Glass	Multicolored	Undecorated	Body			1	Marbled maroon & white; molded decoration
TU B03-02	--	1	0-0.8	Historic	Glass	White	Undecorated	Fragment			1	
TU B03-02	--	1	0-0.8	Historic	Metal	Ferrous	Cut nail				10	
TU B03-02	--	1	0-0.8	Historic	Metal	Ferrous	Wire nail				4	
TU B03-02	--	1	0-0.8	Historic	Metal	Ferrous	Undecorated nail				3	
TU B03-02	--	1	0-0.8	Historic	Metal	Ferrous	Pipe flange				1	
TU B03-02	--	1	0-0.8	Historic	Metal	Ferrous	Scissors				1	Complete
TU B03-02	--	1	0-0.8	Historic	Faunal	Mammal	Undecorated	Food			1	Tooth
TU B03-02	--	2	0.8-2.4	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Undecorated	Rim	1	Tile ?



Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (N.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B03-02	—	2	0.8-2.4	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	2	
TU B03-02	—	2	0.8-2.4	Historic	Ceramic	Ironstone	Undecorated		Flat form	Body	1	
TU B03-02	—	2	0.8-2.4	Historic	Ceramic	Keolin	Undecorated		Tobacco pipe	Bowl	2	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Amber	Container	Body			4	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Aqua	Window	Body			18	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Aqua	Container	Body			4	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Clear	Container	Body			1	Embossed lettering: "R..."
TU B03-02	—	2	0.8-2.4	Historic	Glass	Clear	Container	Body			3	2 Crossmend
TU B03-02	—	2	0.8-2.4	Historic	Glass	Clear	Container	Finish			40	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Clear	Container	Shoulder			1	Prescription lip
TU B03-02	—	2	0.8-2.4	Historic	Glass	Light green	Container	Base			1	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Light green	Container	Body			1	Concave profile
TU B03-02	—	2	0.8-2.4	Historic	Glass	Light green	Container	Finish			13	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Light green	Container	Shoulder			1	Flat-sided tooled lip
TU B03-02	—	2	0.8-2.4	Historic	Glass	Green	Container	Body			1	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Dark green	Container	Body			2	
TU B03-02	—	2	0.8-2.4	Historic	Glass	Milk white	Unidentified	Body			2	
TU B03-02	—	2	0.8-2.4	Historic	Glass	White	Button	Whole			1	
TU B03-02	—	2	0.8-2.4	Historic	Metal	Brass	Clothing hook				1	Brass mounting
TU B03-02	—	2	0.8-2.4	Historic	Metal	Ferrous	Cut nail				1	
TU B03-02	—	2	0.8-2.4	Historic	Metal	Ferrous	Unidentified nail				58	
TU B03-02	—	2	0.8-2.4	Historic	Metal	Ferrous	Screw				10	
TU B03-02	—	2	0.8-2.4	Historic	Metal	Ferrous	Spring				2	
TU B03-02	—	2	0.8-2.4	Historic	Metal	Ferrous	Strip				1	
TU B03-02	—	2	0.8-2.4	Historic	Metal	Lead	Unidentified				2	
TU B03-02	—	2	0.8-2.4	Historic	Metal	Mixed	Door lock part				2	Melted
TU B03-02	—	2	0.8-2.4	Historic	Faunal	Bivalve	Oyster	Food			1	Latch bolt; brass and ferrous
TU B03-02	—	2	0.8-2.4	Historic	Faunal	Bivalve	Unidentified	Food			4	
TU B03-02	—	2	0.8-2.4	Historic	Faunal	Bivalve	Unidentified	Unidentified			2	
TU B03-02	—	2	0.8-2.4	Historic	Other	Carbon	Battery core				1	Cut mother-of-pearl fragment 7
TU B03-02	—	2	0.8-2.4	Historic	Other	Mica	Unidentified				1	
TU B03-02	—	2	0.8-2.4	Historic	Other	Plaster					2	
TU B03-02	—	2	0.8-2.4	Historic	Other	Tar	Flooring				1	
TU B03-02	—	3	2.4-2.7	Historic	Ceramic	Ironstone	Undecorated		Flat form	Rim	3	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Amber	Container	Base			1	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Amber	Container	Body			2	Crossmend
TU B03-02	—	3	2.4-2.7	Historic	Glass	Amber	Container	Shoulder			23	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Aqua	Window	Body			1	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Aqua	Container	Body			54	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Aqua	Container	Body			9	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Aqua	Container	Finish			2	Embossed lettering: "...& P. Marten"; crossmend
TU B03-02	—	3	2.4-2.7	Historic	Glass	Aqua	Unidentified	Fragment			1	Rounded lip
TU B03-02	—	3	2.4-2.7	Historic	Glass	Clear	Container	Body			1	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Lavender	Container	Base			4	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Lavender	Container	Body			1	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Lavender	Container	Body			3	
TU B03-02	—	3	2.4-2.7	Historic	Glass	Lavender	Container	Finish			3	Ribbed; crossmend
TU B03-02	—	3	2.4-2.7	Historic	Glass	Lavender	Container	Finish			1	Patent lip
TU B03-02	—	3	2.4-2.7	Historic	Glass	Lavender	Container	Neck			1	Prescription lip
TU B03-02	—	3	2.4-2.7	Historic	Glass	Lavender	Container	Shoulder			3	
TU B03-02	—	3	2.4-2.7	Historic	Glass	White	Button	Whole			3	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Brass	Military button				1	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Brass	Cartridge case				1	*SCOVILL MFG. CO. • WATERBURY
TU B03-02	—	3	2.4-2.7	Historic	Metal	Brass	Collar				3	* [1860-1902]
TU B03-02	—	3	2.4-2.7	Historic	Metal	Brass	Key				1	.45 cal.
TU B03-02	—	3	2.4-2.7	Historic	Metal	Brass	Screw				1	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Brass	Sheet				1	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (in.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B03-02	—	3	2.4-2.7	Historic	Metal	Brass	Tube				1	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Cut nail				191	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Unidentified nail				8	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Bar				1	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Can				4	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Cylinder				1	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Plate				1	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Screw				3	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Sheet				9	Can fragments?
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Strip				1	
TU B03-02	—	3	2.4-2.7	Historic	Metal	Ferrous	Wire				1	
TU B03-02	—	3	2.4-2.7	Historic	Faunal	Mammal	Unidentified	Toothbrush handle			1	Nearly complete
TU B03-02	—	3	2.4-2.7	Historic	Other	Plaster					6	
TU B03-02	—	3	2.4-2.7	Historic	Other	Tar	Flooring				4	
TU B03-02	—	4	2.7-4.8	Historic	Glass	Aqua	Window	Body			1	
TU B03-02	—	4	2.7-4.8	Historic	Metal	Ferrous	Cut nail				7	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, black		Unidentified	Body	1	Tile ?; burned
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Aqua	Window	Body			5	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Aqua	Container	Base			1	Umbrella-type ink bottle shard
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Aqua	Container	Body			2	Umbrella-type ink bottle shards
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Aqua	Container	Body			5	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Aqua	Unidentified	Fragment			1	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Brown	Container	Body			3	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Clear	Container	Base			1	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Clear	Container	Body			3	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Clear	Container	Finish			1	Patent lip
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Light green	Container	Finish			1	Lip fragment
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Green	Container	Body			3	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Glass	Lavender	Container	Body			2	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Metal	Aluminum	Pull tab can closure				1	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Metal	Ferrous	Cut nail				39	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Metal	Ferrous	Unidentified nail				9	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Metal	Ferrous	Strip				3	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Metal	Ferrous	Wire				3	
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Faunal	Mammal	Unidentified	Food			4	Some cut
TU B04-02	S130 W020	1 E,W	0-1.9	Historic	Other	Coal						
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Fragment	1	
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Metal	Brass	Button				5	
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Metal	Brass	Button				1	Leather insert
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Metal	Brass	Cartridge case				1	.50 cal.
TU B04-02	S130 W020	1 N,S	0-1.9	Historic	Faunal	Mammal	Unidentified	Button			1	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Ceramic	Brick					1	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Amber	Container	Body			4	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Aqua	Window	Body			11	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Aqua	Container	Body			3	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Aqua	Container	Body			2	Umbrella-type ink bottle shards
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Aqua	Container	Finish			1	Umbrella-type ink bottle shard
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Aqua	Container	Whole			1	Flask-shaped body, cylindrical neck, patent lip
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Aqua	Unidentified	Fragment			1	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Brown	Container	Base			1	Post bottom mold mark
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Brown	Container	Body			6	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Light green	Container	Body			1	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Green	Container	Body			3	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Glass	Lavender	Container	Body			22	

**Fort Totten Phase II  
Area B - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Metal	Brass	Cartridge case					
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Metal	Ferrous	Cut nail				1	.50 cal.
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Metal	Ferrous	Unidentified nail				89	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Metal	Ferrous	Sheet				11	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Metal	Ferrous	Wire				1	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Faunal	Bivalve	Unidentified	Food			8	
TU B04-02	S130 W020	2 E	1.9-2.7	Historic	Faunal	Mammal	Unidentified	Food			1	
TU B04-02	S130 W020	2 W	1.9-2.7	Historic	Metal	Plaster					7	
TU B04-02	S130 W020	2 W	1.9-2.7	Historic	Metal	Lead	Bullet				3	
TU B04-02	S130 W020	2 W	1.9-2.7	Historic	Metal	Unidentified	Sheet				1	Minnie ball
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Faunal	Mammal	Unidentified	Food			1	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	1	Cut
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	Amber	Container	Base			1	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	Amber	Container	Body			1	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	Aqua	Window	Body			2	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	Aqua	Container	Body			4	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	Brown	Container	Body			5	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	Brown	Unidentified	Fragment			5	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	Clear	Container	Body			1	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	Lavender	Container	Body			2	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Glass	White	Button	Whole			1	Ribbed
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Metal	Ferrous	Cut nail				1	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Metal	Ferrous	Unidentified nail				110	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Metal	Ferrous	Wire nail				24	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Metal	Ferrous	Strip				3	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Metal	Ferrous	Wire				4	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Metal	Ferrous	Unidentified				1	
TU B04-02	S130 W020	3 E	2.9-3.0	Historic	Metal	Lead	Sheet				1	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Faunal	Mammal	Unidentified	Food			3	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Ceramic	Brick					1	Cut
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Ceramic	Whiteware	Undecorated				1	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Ceramic	Kaolin	Molded	Hollow form	Body		1	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Ceramic	Kaolin	Undecorated	Tobacco pipe	Stem		2	Crossmand
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Glass	Aqua	Window	Body			1	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Glass	Aqua	Unidentified	Fragment			7	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Glass	Green	Container	Body			1	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Glass	Lavender	Container	Base			7	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Glass	Lavender	Container	Body			1	Square w/flat chamfers
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Glass	Lavender	Container	Finish			3	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Metal	Ferrous	Bolt				1	Prescription tip; ground bore
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Metal	Ferrous	Cut nail				1	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Metal	Ferrous	Unidentified nail				43	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Metal	Lead	Sheet				5	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Metal	Powder	Sprue				4	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Faunal	Bivalve	Clam	Food			1	Identification not certain
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Faunal	Bivalve	Unidentified	Food			4	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Faunal	Mammal	Unidentified	Button			2	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Faunal	Mammal	Unidentified	Food			1	
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Other	Plaster					8	Some cut
TU B04-02	S130 W020	3 W	1.3-2.7	Historic	Other	Tar	Flooring				1	
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Ceramic	Ironstone	Undecorated		Flat form	Body	1	Rim through base shard of 10 in. dia. plate; maker's mark: "IRONSTONE CHINA", MEAKIN, BROS Co.
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	Rim through body shard of approx. 3.25 in. dia. cup
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Glass	Aqua	Window	Container			1	
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Glass	Aqua	Container	Base			2	Umbrella-type ink bottle shards; crossmand
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Glass	Aqua	Container	Body			2	Umbrella-type ink bottle shards
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Glass	Aqua	Container	Finish			1	Umbrella-type ink bottle shard

**Fort Totten Phase II  
Area B - Artifact Inventory**

UNIT NO.	COORDINATES	LEVEL	DEPTH (H.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Glass	Green	Container	Body			3	
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Glass	Green	Container	Finish			1	Tooled lip shard
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Metal	Ferrous	Cut nail				20	
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Metal	Ferrous	Unidentified nail				10	
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Metal	Ferrous	Sheet				2	
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Metal	Lead	Bullet				1	Minnie ball
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Metal	Lead	Sheet				2	
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Faunal	Mammal	Unidentified				2	
TU B04-02	S130 W020	4 E	3.0-3.5	Historic	Other	Coal						
TU B04-02	S130 W020	4 W	2.6-2.8	Historic	Glass	Green	Container	Body			1	
TU B04-02	S130 W020	4 W	2.6-2.8	Historic	Metal	Ferrous	Cut nail				3	
TU B04-02	S130 W020	4 W	2.6-2.8	Historic	Metal	Ferrous	Unidentified nail				1	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	1	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Ceramic	Ironstone	Undecorated		Flat form	Rim	1	Shard from 10 in. dia. plate
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Ceramic	Ironstone	Molded		Hollow form	Body	1	Rim to base shard of 4 in. dia., 3.5 in. deep mug or bowl; paneled decoration
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	Shard from 4 in. dia. mug
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Ceramic	Kaolin	Undecorated				1	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Glass	Aqua	Window		Body		4	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Glass	Aqua	Container	Body			1	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Glass	Aqua	Container	Body			1	Umbrella-type ink bottle shard
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Glass	Aqua	Container	Whole			1	Embossed lettering: "M. B. & CO 145 WEST 35TH ST NEW YORK 1861"; blob top, mamelon base
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Glass	Green	Container	Body			4	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Glass	Lavender	Container	Body			9	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Metal	Ferrous	Cut nail				17	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Metal	Ferrous	Unidentified nail				13	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Metal	Ferrous	Plate				12	Pipe fragments (?)
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Metal	Ferrous	Strap				2	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Faunal	Mammal	Unidentified	Food			1	Cut
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Other	Carbon	Battery core				1	
TU B04-02	S130 W020	5 E	3.5-4.0	Historic	Other	Leather	Shoe part				1	
TU B04-02	S130 W020	5 W	2.8-3.0	Historic	Metal	Ferrous	Cut nail				1	
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Ceramic	Ironstone	Molded		Hollow form	Body	2	Paneled decoration; crossmend
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Ceramic	Ironstone	Molded		Hollow form	Body	1	Rim to base shard of 4 in. dia., 3.6 in. deep mug or bowl; paneled decoration
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Ceramic	Ironstone	Molded		Hollow form	Rim	1	Shard of 4 in. dia. mug or bowl; paneled decoration
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	Shard from 4 in. dia. mug
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Glass	Clear	Container	Base			1	
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Glass	Brown	Container	Base			1	Post bottom mold mark
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Glass	Brown	Container	Body			8	
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Glass	Brown	Container	Finish			1	Tooled lip & string rim shard
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Glass	Brown	Container	Shoulder			2	
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Glass	Green	Container	Body			2	
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Glass	Olive green	Container	Body			2	
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Metal	Ferrous	Unidentified nail				4	
TU B04-02	S130 W020	6 E	4.0-4.5	Historic	Other	Leather	Shoe part				2	
TU B04-02	S130 W020	7 E	4.5-4.9	Historic	Glass	Brown	Container	Body			13	
TU B04-02	S130 W020	7 E	4.5-4.9	Historic	Metal	Ferrous	Unidentified nail				2	
TU B04-02	S130 W020	8 E	3.8-4.6	Prehistoric	Lithic	Quartz	Modified	Point	Triangular		1	Levanna ?
TU B04-03	S129 E011	--	--	Historic	Ceramic	Agate ware	Lead glaze, clear		Door knob	Body	6	Crossmend
TU B04-03	S129 E011	--	--	Historic	Ceramic	Kaolin	Molded		Tobacco pipe	Bowl	1	Complete bowl w/spur; impressed w/ "T D"
TU B04-03	S129 E011	--	--	Historic	Glass	Amber	Container	Body			3	
TU B04-03	S129 E011	--	--	Historic	Glass	Amber	Container	Finish			1	Perry Davis type

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B04-03	S129 E011	—	—	Historic	Glass	Aqua	Window	Body			10	
TU B04-03	S129 E011	—	—	Historic	Glass	Aqua	Container	Body			2	
TU B04-03	S129 E011	—	—	Historic	Glass	Aqua	Container	Finish			1	Folded-out lip fragment
TU B04-03	S129 E011	—	—	Historic	Glass	Aqua	Unidentified	Fragment			3	
TU B04-03	S129 E011	—	—	Historic	Glass	Brown	Container	Body			1	Stopper type
TU B04-03	S129 E011	—	—	Historic	Glass	Brown	Container	Finish			5	
TU B04-03	S129 E011	—	—	Historic	Glass	Green	Container	Body			1	
TU B04-03	S129 E011	—	—	Historic	Glass	Dark green	Container	Body			1	
TU B04-03	S129 E011	—	—	Historic	Glass	Lavender	Container	Body			1	
TU B04-03	S129 E011	—	—	Historic	Glass	Lavender	Lamp shade	Rim			1	
TU B04-03	S129 E011	—	—	Historic	Metal	Ferrous	Unidentified nail				4	
TU B04-03	S129 E011	—	—	Historic	Metal	Ferrous	Unidentified machine part				1	
TU B04-03	S129 E011	—	—	Historic	Faunal	Bivalve	Clam	Food			1	
TU B04-03	S129 E011	1	0-1.0	Historic	Faunal	Bird	Unidentified	Food			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Agate ware	Lead glaze, clear		Unidentified	Fragment	1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Redware	Unglazed		Hollow form	Fragment	2	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	7	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Whiteware	Transfer print underglaze		Unidentified	Fragment	2	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Whiteware	Transfer print underglaze	Blue willow	Flat form	Body	1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Ironstone	Undecorated		Flat form	Body	1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Keolin	Undecorated			Tobacco pipe	2	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Keolin	Molded			Tobacco pipe	1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Ceramic	Keolin	Undecorated			Tobacco pipe	1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Amber	Container	Body			2	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Aqua	Window	Body			58	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Aqua	Container	Base			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Aqua	Container	Body			10	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Aqua	Container	Body			1	Embossed lettering: "...H..."
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Aqua	Container	Finish			1	Patent lip
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Aqua	Container	Finish			1	Applied lip fragment
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Brown	Container	Body			3	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Clear	Container	Body			10	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Clear	Tumbler	Rim			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Frosted	Lamp shade	Rim			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Light green	Container	Base			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Light green	Container	Body			3	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Light green	Container	Body			1	Embossed decoration or lettering
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Green	Container	Body			11	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Green	Container	Finish			1	Rounded string rim
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Dark green	Container	Body			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Lavender	Container	Body			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Glass	Lavender	Unidentified	Fragment			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Metal	Brass	Spill ring				1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Metal	Copper	Coin				1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Metal	Ferrous	Cut nail				1	US penny, 1895
TU B04-03	S129 E011	2	1.0-1.7	Historic	Metal	Ferrous	Unidentified nail				19	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Metal	Ferrous	Strip				1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Faunal	Bivalve	Oyster	Food			1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Faunal	Bivalve	Unidentified	Food			2	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Faunal	Mammal	Unidentified	Food			3	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Other	Carbon	Battery core				1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Other	Mica	Unidentified				2	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Other	Stone	Roofing slate				1	
TU B04-03	S129 E011	2	1.0-1.7	Historic	Other	Slag					1	



Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (IN.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B04-03	S129 E011	3	1.7-1.8	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	2	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Ceramic	Redware	Unglazed					
TU B04-03	S129 E011	3	1.7-1.8	Historic	Ceramic	Pearlware	Undecorated		Hollow form	Body	1	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Base	1	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Ceramic	Whiteware	Undecorated		Flat form	Body	1	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Glass	Amber	Container	Body	Flat form	Rim	1	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Glass	Aqua	Window	Body			2	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Glass	Clear	Container	Body			18	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Glass	Light green	Container	Body			4	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Glass	Green	Container	Body			1	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Glass	Olive green	Container	Base			3	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Glass	Lavender	Container	Body			1	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Metal	Ferrous	Unidentified nail				4	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Metal	Ferrous	Strip				8	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Faunal	Bivolve	Unidentified	Food			1	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Faunal	Mammal	Unidentified	Food			2	
TU B04-03	S129 E011	3	1.7-1.8	Historic	Other	Slag					1	
TU B04-03	S129 E011	3	1.7-1.8	Recent	Other	Plastic	Unidentified				1	
TU B04-03	S129 E011	3 A	3.1-5.1	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	2	
TU B04-03	S129 E011	3 A	3.1-5.1	Historic	Glass	Aqua	Window	Body			3	
TU B04-03	S129 E011	3 A	3.1-5.1	Historic	Glass	Aqua	Container	Body			3	
TU B04-03	S129 E011	3 A	3.1-5.1	Historic	Glass	Aqua	Unidentified	Fragment			1	
TU B04-03	S129 E011	3 A	3.1-5.1	Historic	Glass	Brown	Container	Body			1	
TU B04-03	S129 E011	3 A	3.1-5.1	Historic	Glass	Clear	Container	Body			1	
TU B04-03	S129 E011	3 A	3.1-5.1	Historic	Glass	Lavender	Container	Body			3	
TU B04-03	S129 E011	3 A	3.1-5.1	Historic	Metal	Ferrous	Unidentified nail				1	
TU B04-03	S129 E011	3 E	1.8-3.0	Historic	Glass	Amber	Container	Body			2	
TU B04-03	S129 E011	3 E	1.8-3.0	Historic	Glass	Aqua	Window	Body			2	
TU B04-03	S129 E011	3 E	1.8-3.0	Historic	Glass	Aqua	Container	Body			8	
TU B04-03	S129 E011	3 E	1.8-3.0	Historic	Glass	Green	Container	Body			2	
TU B04-03	S129 E011	3 E	1.8-3.0	Historic	Glass	Lavender	Container	Body			1	
TU B04-03	S129 E011	3 E	1.8-3.0	Historic	Metal	Ferrous	Unidentified nail				2	
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Rim	5	
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Glass	Aqua	Window	Body			1	Burned
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Glass	Aqua	Container	Body			3	
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Glass	Brown	Container	Body			5	
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Glass	Clear	Container	Body			1	
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Glass	Green	Container	Body			2	
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Glass	Dark Green	Container	Body			1	
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Glass	Lavender	Container	Body			1	
TU B04-03	S129 E011	4 E	3.4-4.2	Historic	Metal	Brass	Unidentified				1	
TU B04-03	S129 E011	4 W	1.8-2.7	Historic	Ceramic	Refined red earthenware	Unglazed		Unidentified	Body	1	4.25mm dia. disc-shaped object
TU B04-03	S129 E011	4 W	1.8-2.7	Historic	Ceramic	Whiteware	Undecorated				1	
TU B04-03	S129 E011	4 W	1.8-2.7	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	1	
TU B04-03	S129 E011	4 W	1.8-2.7	Historic	Glass	Aqua	Window	Body	Flat form	Body	1	
TU B04-03	S129 E011	4 W	1.8-2.7	Historic	Glass	Aqua	Container	Body			2	
TU B04-03	S129 E011	4 W	1.8-2.7	Historic	Glass	Green	Container	Body			1	Folded-out lip
TU B04-03	S129 E011	6 E	4.2-4.8	Historic	Ceramic	Ironstone	Undecorated				1	
TU B04-03	S129 E011	6 E	4.2-4.8	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Base	1	Maker's mark: "...CASTLE C..." (New Castle China [1901-1905] ?)
TU B04-03	S129 E011	5 E	4.2-4.8	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	5	Burned
TU B04-03	S129 E011	5 E	4.2-4.8	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	Burned
TU B04-03	S129 E011	5 E	4.2-4.8	Historic	Glass	Aqua	Window	Body	Unidentified	Fragment	2	
TU B04-03	S129 E011	5 E	4.2-4.8	Historic	Glass	Aqua	Container	Base			6	
TU B04-03	S129 E011	5 E	4.2-4.8	Historic	Glass	Aqua	Container	Body			2	Crossmand
TU B04-03	S129 E011	5 E	4.2-4.8	Historic	Glass	Aqua	Unidentified	Unidentified			7	
TU B04-03	S129 E011	5 E	4.2-4.8	Historic	Glass	Brown	Container	Body			1	Melted
TU B04-03	S129 E011	5 E	4.2-4.8	Historic	Glass	Clear	Container	Body			1	

Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B04-03	S129 E011	5 E	4.2-4.6	Historic	Glass	Green	Container	Body				
TU B04-03	S129 E011	5 E	4.2-4.6	Historic	Glass	Lavender	Container	Body			1	
TU B04-03	S129 E011	5 E	4.2-4.6	Historic	Metal	Ferrous	Container	Body			2	
TU B04-03	S129 E011	5 E	4.2-4.6	Historic	Metal	Ferrous	Cut nail				3	
TU B04-03	S129 E011	5 E	4.2-4.6	Historic	Other	Cardboard	Unidentified nail				14	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Buff-bodied earthenware	Unidentified				2	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Redware	Unglazed		Hollow form	Rim	1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Redware	Unglazed		Flower pot	Base	1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Redware	Unglazed		Hollow form	Body	3	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Whiteware	Unglazed		Hollow form	Rim	4	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Ironstone	Hand painted		Flat form	Rim	3	Crossmend
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	3	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Porcelain	Undecorated		Flat form	Rim	1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Ceramic	Xeolite	Undecorated		Door knob	Body	1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Amber	Molded		Tobacco pipe	Heel	1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Aqua	Container	Body			6	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Aqua	Window	Body			80	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Aqua	Container	Body			6	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Aqua	Container	Body			1	Embossed lettering: "D...", "D"
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Aqua	Container	Body			1	8-sided umbrella-type ink bottle; complete except base
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Aqua	Container	Shoulder			2	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Aqua	Unidentified	Fragment			2	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Brown	Container	Body			1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Clear	Container	Body			1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Clear	Container	Whole			22	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Clear	Container	Whole			1	3.38" Bottle w/proscription lip
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Clear	Lamp shade	Rim			2	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Clear	Tumbler	Rim			1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Green	Container	Base			2	Crossmend
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Green	Container	Body			9	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Green	Container	Neck			1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Green	Container	Shoulder			1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Dark green	Container	Body			16	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	Lavender	Container	Body			4	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Glass	White	Button	Whole			1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Metal	Lead	Sinker				1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Metal	Ferrous	Cut nail				1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Metal	Ferrous	Unidentified nail				9	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Metal	Ferrous	Can				52	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Metal	Ferrous	Sheet				1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Metal	Ferrous	Strip				2	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Faunal	Bivalve	Clam				1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Faunal	Bivalve	Oyster				7	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Faunal	Bivalve	Unidentified				1	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Faunal	Mammal	Bovine				2	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Faunal	Mammal	Bovine				1	Cut longbone
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Faunal	Mammal	Bovine				1	Cut vertebra
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Faunal	Mammal	Unidentified				1	Tooth
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Other	Slag					4	
TU B04-03	S129 E011	5 W	3.0-4.5	Historic	Other	Stone	Unidentified				2	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Ceramic	Brick, yellow					1	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Ceramic	Redware	Unglazed				1	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Ceramic	Terra cotta	Undecorated		Hollow form	Base	1	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Ceramic	Ironstone	Undecorated		Unidentified	Fragment	1	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	5	Burned
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	1	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Glass	Amber	Container	Body			1	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Glass	Aqua	Window	Body			8	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Glass	Aqua	Container	Base			9	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Glass	Aqua	Container	Body			1	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Glass	Aqua	Container	Body			17	
TU B04-03	S129 E011	6 E	4.6-4.9	Historic	Glass	Aqua	Container	Body			1	Embossed lettering: ".LA."



Fort Totten Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Glass	Aqua	Container	Finish			1	
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Glass	Clear	Container	Body			13	
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Glass	Clear	Container	Finish			1	Prescription lip
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Glass	Green	Container	Body			7	
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Glass	Green	Container	Finish			1	Champagne-type finish
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Metal	Ferrous	Unidentified nail				3	
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Metal	Ferrous	Unidentified				1	
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Other	Leather	Shoe part				1	Boot heel
TU B04-03	S129 E011	8 E	4.6-4.9	Historic	Other	Putty					1	
TU B04-03	S129 E011	8 W	4.2-4.8	Historic	Glass	Aqua	Container	Body			3	
TU B04-03	S129 E011	8 W	4.2-4.8	Historic	Glass	Dark green	Container	Body			1	
TU B04-03	S129 E011	8T	—	Historic	Ceramic	Brick					1	
TU B04-03	S129 E011	8T	—	Historic	Glass	Aqua	Window	Body			2	
TU B04-03	S129 E011	8T	—	Historic	Glass	Brown	Container	Body			1	
TU B05-01 (builders trench)	—	—	4.5-7	Historic	Ceramic	Porcelain	Undecorated		Flat form	Body	1	
TU B05-01 (builders trench)	—	—	4.5-7	Historic	Ceramic	Porcelain	Undecorated		Flat form	Rim	1	Rim to foot shard
TU B05-02	S081.5 W005	1	0-1.7	Historic	Ceramic	Whiteware	Transfer print, underglaze		Hollow form	Body	1	
TU B05-02	S081.5 W005	1	0-1.7	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU B05-02	S081.5 W005	1	0-1.7	Historic	Glass	Aqua	Window	Body			1	
TU B05-02	S081.5 W005	1	0-1.7	Historic	Metal	Ferrous	Cut nail				1	
TU B05-02	S081.5 W005	2	1.7-2.4	Prehistoric	Lithic	Gray chert	Flake				1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Fragment	1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, black		Unidentified	Body	1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Whiteware	Undecorated		Hollow form	Body	2	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Ironstone	Molded		Flat form	Rim	1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Ironstone	Undecorated		Flat form	Body	11	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	2	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Ironstone	Undecorated		Flat form	Rim	3	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Rim	1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Kaolin	Molded		Tobacco pipe	Bowl	1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Bowl	1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Ceramic	Kaolin	Undecorated		Tobacco pipe	Stem	1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Aqua	Window	Body			15	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Aqua	Container	Base			2	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Aqua	Container	Body			9	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Aqua	Container	Finish			1	Patent type
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Aqua	Container	Finish			1	Fragment of crown type
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Aqua	Container	Finish			1	Post-1900 flanged lip w/strim rim
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Aqua	Unidentified	Fragment			1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Clear	Container	Body			10	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Clear	Lamp shade	Rim			1	Method
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Lavender	Container	Base			2	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Glass	Lavender	Container	Body			2	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Metal	Ferrous	Cut nail				3	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Metal	Ferrous	Unidentified nail				20	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Metal	Ferrous	Spike				1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Metal	Ferrous	Strip				3	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Metal	Mixed	Button				1	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Faunal	Bivalve	Clam	Food			5	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Faunal	Mammal	Unidentified	Food			8	
TU B05-02	S081.5 W005	2	1.7-2.4	Historic	Other	Putty					5	
TU B05-02	S081.5 W005	2 E	3.3-4.0	Historic	Glass	Multicolor	Unidentified	Unidentified			1	Oval beveled inset for, e.g., button or cuff link (?); purple on white backing

Port Totem Phase II  
Area B - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
TU 805-02	S081.5 W005	3	2.4-3.3	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
TU 805-02	S081.5 W005	3	2.4-3.3	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Body	2	
TU 805-02	S081.5 W005	3	2.4-3.3	Historic	Glass	Aqua	Container	Body			1	
TU 805-02	S081.5 W005	3	2.4-3.3	Historic	Glass	Clear	Container	Body			1	
TU 805-02	S081.5 W005	3	2.4-3.3	Historic	Metal	Ferrous	Unidentified nail				4	
TU 805-02	S081.5 W005	3	2.4-3.3	Historic	Metal	Pewter	Sprue				1	
TU 805-02	S081.5 W005	3	2.4-3.3	Historic	Faunal	Mammal	Unidentified				2	
TU 805-02	S081.5 W005	3	2.4-3.3	Historic	Other	Putty					1	
TU 805-02	S081.5 W005	3 E	2.4-3.3	Historic	Ceramic	Whiteware	Undecorated		Unidentified	Fragment	1	
TU 805-02	S081.5 W005	3 E	2.4-3.3	Historic	Glass	Aqua	Window	Body			1	
TU 805-02	S081.5 W005	3 E	2.4-3.3	Historic	Glass	Lavender	Container	Body			1	
TU 805-02	S081.5 W005	3 E	2.4-3.3	Historic	Faunal	Bivalve	Unidentified	Food			1	
TU 805-02	S081.5 W005	3 W	2.4-3.3	Historic	Ceramic	Porcelain	Undecorated		Flat form	Base	1	Burned
TU 805-02	S081.5 W005	3 W	2.4-3.3	Historic	Glass	Light green	Container	Body			1	
TU 805-02	S081.5 W005	3 W	2.4-3.3	Historic	Metal	Brass	Cut nail				1	
TU 805-02	S081.5 W005	3 W	2.4-3.3	Historic	Metal	Ferrous	Unidentified nail				1	
TU 805-02	S081.5 W005	3 W	2.4-3.3	Historic	Faunal	Mammal	Unidentified	Food			1	
TU 805-02	S081.5 W005	4	3.3-4.0	Historic	Ceramic	Whiteware	Molded		Flat form	Rim	1	
TU 805-02	S081.5 W005	4	1.7-2.4	Historic	Ceramic	Whiteware	Annular		Hollow form	Body	1	
TU 805-02	S081.5 W005	4	3.3-4.0	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
TU 805-02	S081.5 W005	4	3.3-4.0	Historic	Glass	Aqua	Mirror	Body			1	
TU 805-02	S081.5 W005	4	3.3-4.0	Historic	Glass	Aqua	Window	Body			1	
TU 805-02	S081.5 W005	4	3.3-4.0	Historic	Glass	Aqua	Container	Body			1	
TU 805-02	S081.5 W005	4	3.3-4.0	Historic	Metal	Ferrous	Unidentified nail				1	

Fort Totten Phase II  
Area C - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
C01-01	—	2	—	Historic	Glass	Aqua	Container	Base			1	
C01-01	—	2	—	Historic	Glass	Aqua	Container	Body			3	
C01-01	—	2	—	Historic	Glass	Light green	Container	Body			6	
C01-01	—	2	—	Historic	Glass	Light green	Container	Shoulder			3	
C01-01	—	2	—	Historic	Metal	Ferrous	Unidentified nail				2	
C01-01	—	2	—	Historic	Other	Coal					1	
C01-01	—	2	0.4-2.0	Historic	Ceramic	Ironstone	Undecorated		Tile	Rim	1	
C01-01	—	2	0.4-2.0	Historic	Metal	Ferrous	Horseshoe				1	
C01-01	—	2	0.4-2.0	Historic	Metal	Ferrous	Cut nail				1	
C01-01	—	—	—	Historic	Ceramic	Porcelain	Hand painted, underglaze		Flat form	Body	2	
C01-01	—	—	—	Historic	Ceramic	Porcelain	Undecorated		Tile	Whole	1	Hexagonal
C01-01	—	—	—	Historic	Glass	Aqua	Window	Body			1	
C01-01	—	—	—	Historic	Glass	Clear	Unidentified	Body			1	
C01-01	—	—	—	Historic	Glass	Green	Container	Body			3	
C01-02	—	1	0-0.8	Historic	Ceramic	Whiteware	Hand painted, underglaze		Hollow form	Body	1	
C01-04	—	1	0-0.8	Historic	Ceramic	Ironstone	Undecorated		Tile	Rim	1	
C01-04	—	1	0-0.8	Historic	Faunal	Mammal	Unidentified	Food			1	
C02-01	S0 W015	1	0-1.5	Historic	Ceramic	Redware	Unglazed		Hollow form	Rim	1	
C02-01	S0 W015	1	0-1.5	Historic	Ceramic	Porcelain	Molded		Flat form	Rim	1	
C02-01	S0 W015	1	0-1.5	Historic	Glass	Aqua	Window	Body			1	
C02-01	S0 W015	1	0-1.5	Historic	Glass	Aqua	Container	Body			2	
C02-01	S0 W015	1	0-1.5	Historic	Glass	Clear	Container	Body			1	
C02-01	S0 W015	1	0-1.5	Historic	Glass	Green	Container	Body			2	
C02-01	S0 W015	1	0-1.5	Historic	Glass	Green	Container	Body			1	Embossed lettering: "L..."
C02-01	S0 W015	1	0-1.5	Historic	Metal	Ferrous	Cut nail				1	
C02-01	S0 W015	1	0-1.5	Historic	Metal	Ferrous	Wire nail				1	
C02-01	S0 W015	1	0-1.5	Historic	Metal	Ferrous	Unidentified nail				6	
C02-01	S0 W015	1	0-1.5	Historic	Metal	Pewter	Sprue				1	Identification not certain
C02-02	S0 W030	1	0-1.8	Historic	Ceramic	Buff-bodied earthenware	Unglazed		Pipe	Body	3	
C02-02	S0 W030	1	0-1.8	Historic	Ceramic	Buff-bodied earthenware	Unglazed	Molded	Pipe	Body	2	Molded lettering: "...MAN ...TCO..."; "...P"
C02-02	S0 W030	1	0-1.8	Historic	Ceramic	Gray-bodied earthenware	Lead glaze, clear		Sewer pipe	Body	3	
C02-02	S0 W030	1	0-1.8	Historic	Glass	Aqua	Window	Body			2	Molded sunburst decoration
C02-02	S0 W030	1	0-1.8	Historic	Metal	Ferrous	Cut nail				2	
C02-02	S0 W030	1	0-1.8	Historic	Metal	Ferrous	Wire nail				7	
C02-02	S0 W030	1	0-1.8	Historic	Metal	Ferrous	Unidentified nail				1	
C02-02	S0 W030	1	0-1.8	Historic	Other	Plastic	Unidentified				1	Celluloid ?
C02-03	S015 E0	1	0-1.8	Historic	Ceramic	Buff-bodied earthenware	Lead glaze, clear		Sewer tile	Body	3	
C02-03	S015 E0	1	0-1.8	Historic	Ceramic	Gray-bodied earthenware	Lead glaze, clear		Sewer tile	Body	3	
C02-03	S015 E0	1	0-1.8	Historic	Ceramic	Buff-bodied stoneware	Salt glazed		Tile	Body	2	
C02-03	S015 E0	1	0-1.8	Historic	Glass	Amber	Container	Body			1	

Fort Totten Phase II  
Area C - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
C02-03	S015 E0	1	0-1.6	Historic	Glass	Aqua	Window	Body				
C02-03	S015 E0	1	0-1.6	Historic	Glass	Aqua	Unidentified	Fragment			4	
C02-03	S015 E0	1	0-1.6	Historic	Glass	Clear	Container	Base			1	
C02-03	S015 E0	1	0-1.6	Historic	Glass	Clear	Container	Body			1	
C02-03	S015 E0	1	0-1.6	Historic	Metal	Ferrous	Wire nail				2	
C02-03	S015 E0	1	0-1.6	Historic	Metal	Ferrous	Unidentified nail				3	
C02-03	S015 E0	1	0-1.6	Historic	Metal	Ferrous	Wire				4	
C02-03	S015 E0	1	0-1.6	Historic	Metal	Lead	Washer				1	
C02-03	S015 E0	1	0-1.6	Historic	Metal	Unidentified	Strap				1	
C02-04	S030 E0	1	0-2.1	Historic	Ceramic	Gray-bodied earthenware	Lead glazed, clear		Sewer tile	Body	2	
C02-04	S030 E0	1	0-2.1	Historic	Ceramic	Gray-bodied earthenware	Lead glazed, clear		Sewer tile	Rim	1	
C02-04	S030 E0	1	0-2.1	Historic	Glass	Aqua	Window	Body			2	
C02-04	S030 E0	1	0-2.1	Historic	Glass	Brown	Container	Body			1	
C02-04	S030 E0	1	0-2.1	Historic	Metal	Ferrous	Wire nail				1	
C02-04	S030 E0	1	0-2.1	Historic	Fauna	Bivalve	Scallop	Food			1	
C02-04	S030 E0	1	0-2.1	Historic	Other	Plastic	Spacer				1	Knob spacer ?
F C01-01	S259 W035	1	0-0.3	Historic	Ceramic	Whiteware	Green shall edge		Flat form	Rim	1	
F C01-01	S259 W035	1	0-0.3	Historic	Ceramic	Porcelain	Undecorated		Flat form	Rim	1	Burned
F C01-01	S259 W035	1	0-0.3	Historic	Glass	Clear	Container	Body			1	
F C01-01	S259 W035	1	0-0.3	Historic	Metal	Brass	Oil lamp part				1	Wick holder
F C01-01	S259 W035	1	0-0.3	Historic	Metal	Ferrous	Wire nail				2	
F C01-01	S259 W035	2	0.3-0.5	Historic	Glass	Clear	Container	Body			2	
F C01-01	S259 W035	2	0.3-0.5	Historic	Other	Stone	Roofing slate				1	
Tr C02-01	S040 E0	—	0-3.7	Historic	Ceramic	Gray-bodied earthenware	Lead glaze, clear		Sewer tile	Body	4	
Tr C02-01	S040 E0	—	0-3.7	Historic	Ceramic	Buff-bodied stoneware	Salt glazed		Unidentified	Fragment	1	
Tr C02-01	S040 E0	—	0-3.7	Historic	Ceramic	Ironstone	Undecorated		Hollow form	Body	1	
Tr C02-01	S040 E0	—	0-3.7	Historic	Glass	Aqua	Window	Body			18	
Tr C02-01	S040 E0	—	0-3.7	Historic	Glass	Aqua	Container	Body			1	
Tr C02-01	S040 E0	—	0-3.7	Historic	Glass	Brown	Container	Body			1	
Tr C02-01	S040 E0	—	0-3.7	Historic	Glass	Clear	Container	Body			10	
Tr C02-01	S040 E0	—	0-3.7	Historic	Glass	Clear	Container	Body			1	Embossed lettering: "...ATENT..."
Tr C02-01	S040 E0	—	0-3.7	Historic	Metal	Ferrous	Clamp				1	
Tr C02-01	S040 E0	—	0-3.7	Historic	Metal	Ferrous	Cut nail				2	
Tr C02-01	S040 E0	—	0-3.7	Historic	Metal	Ferrous	Wire nail				6	
Tr C02-01	S040 E0	—	0-3.7	Historic	Metal	Ferrous	Unidentified nail				1	
Tr C02-01	S040 E0	—	0-3.7	Historic	Metal	Ferrous	Pintle				1	
Tr C02-01	S040 E0	—	0-3.7	Historic	Metal	Ferrous	Sheet				3	
Tr C02-01	S040 E0	—	0-3.7	Historic	Metal	Lead	Washer				4	
Tr C02-01 N	S040 E0	—	—	Historic	Ceramic	Porcelain, industrial	Unglazed		Pipe	Rim	1	
Tr C02-01 N	S040 E0	—	—	Historic	Glass	Amber	Container	Body			1	
Tr C02-01 N	S040 E0	—	—	Historic	Glass	Clear	Container	Base			1	

Fort Totten Phase II  
Area C - Artifact Inventory

UNIT NO.	COORDINATES	LEVEL	DEPTH (ft.)	PERIOD	TYPE	ATTRIBUTE I	ATTRIBUTE II	ATTRIBUTE III	ATTRIBUTE IV	ATTRIBUTE V	QUAN.	REMARKS
Tr C02-01 N	S040 E0	—	—	Historic	Glass	Clear	Container	Body			5	
Tr C02-01 N	S040 E0	—	—	Historic	Glass	Light green	Container	Body			1	
Tr C02-01 N	S040 E0	—	—	Historic	Glass	Light green	Unidentified	Fragment			2	
Tr C02-01 N	S040 E0	—	—	Historic	Glass	Lavender	Container	Body			2	
Tr C02-01 N	S040 E0	—	—	Historic	Glass	Milk white	Unidentified	Body			1	
Tr C02-01 N	S040 E0	—	—	Historic	Metal	Ferrous	Cut nail				3	
Tr C02-01 N	S040 E0	—	—	Historic	Metal	Ferrous	Wire nail				19	
Tr C02-01 N	S040 E0	—	—	Historic	Metal	Ferrous	Unidentified nail				11	
Tr C02-01 N	S040 E0	—	—	Historic	Metal	Ferrous	Tack				1	
Tr C02-01 N	S040 E0	—	—	Historic	Metal	Zinc	Screw				1	
Tr C02-01 N	S040 E0 SW	—	—	Historic	Ceramic	Porcelain	Undecorated		Hollow form	Base	2	Crossmend
Tr C02-01 N	S040 E0 SW	—	—	Historic	Glass	Brown	Container	Base			1	Embossed lettering: "S"
Tr C02-01 N	S040 E0 SW	—	—	Historic	Glass	Clear	Container	Body			1	
Tr C02-01 N	S040 E0 SW	—	—	Historic	Glass	Clear	Window	Body			1	Wire reinforced
Tr C02-01 N	S040 E0 SW	—	—	Historic	Metal	Ferrous	Wire nail				2	
Tr C02-01 N	S040 E0 SW	—	—	Historic	Metal	Ferrous	Unidentified nail				3	
Tr C02-01 N	S040 E0 SW	—	—	Historic	Metal	Ferrous	Wire				1	
Tr C02-01 S	S040 E0	—	—	Historic	Ceramic	Buff-bodied stoneware	Salt glazed		Unidentified	Body	1	
Tr C02-01 S	S040 E0	—	—	Historic	Glass	Aqua	Window	Body			2	
Tr C02-01 S	S040 E0	—	—	Historic	Glass	Aqua	Window	Body			1	Wire reinforced
Tr C02-01 S	S040 E0	—	—	Historic	Glass	Clear	Window	Body			2	Wire reinforced
Tr C02-01 S	S040 E0	—	—	Historic	Glass	Clear	Container	Body			1	Embossed lettering: "...PIN..."
Tr C02-01 S	S040 E0	—	—	Historic	Glass	Green	Container	Base			1	Embossed lettering: "CANAD..."; (Canada Dry ?)
Tr C02-01 S	S040 E0	—	—	Historic	Metal	Ferrous	Cut nail				1	
Tr C02-01 S	S040 E0	—	—	Historic	Metal	Ferrous	Wire nail				3	
Tr C02-01 S	S040 E0	—	—	Historic	Metal	Ferrous	Unidentified nail				1	
Tr C02-01 S	S040 E0	—	—	Historic	Metal	Ferrous	Wire				3	
Tr C02-01 S	S040 E0	—	—	Historic	Other	Plastic	Unidentified				1	Celluloid ?
TU C01-01	—	2,3	0.5-3.7	Historic	Ceramic	Porcelain	Undecorated		Tile	Rim	2	
TU C01-01	—	2,3	0.5-3.7	Historic	Glass	Aqua	Container	Body			1	
TU C01-01	—	2,3	0.5-3.7	Historic	Metal	Brass	Military button				1	"...BUTTON CO." on reverse; post-1902
TU C01-01	—	2,3	0.5-3.7	Historic	Metal	Ferrous	Unidentified nail					
TU C01-01	—	2,3	0.5-3.7	Historic	Metal	Mixed	Electrical lighting				1	Light bulb base

**APPENDIX E. New York State Museum Site File Information**

NEW YORK STATE MUSEUM

3122 Cultural Education Center  
Albany, NY 12230  
518/474-5813 FAX 518/473-8496

Anthropological Survey

Page 1 of 2

DATE: 01/15/97

To:  
HOPE LEININGER  
TETRA TECH, INC.  
5203 LEESBURG PIKE, SUITE 900  
FALLS CHURCH, VA 22041

Proposed Project: FORT TOTTEN MILITARY RESERVATION  
7.5' U.S.G.S. Quad: FLUSHING

In response to your request our staff has conducted a search of our data files\* for locations and descriptions of prehistoric archaeological sites within the area indicated above. The results of the search are given below. If specific information requested has not been provided by this letter, it is likely that we are not able to provide it at the time, either because of staff limitations or policy regarding disclosure of archaeological site data.

Questions regarding this reply can be directed to the site file manager, at (518) 474-5813 or the above address. Please refer to the N.Y.S.M. site identification numbers when requesting additional information.

Please resubmit this request if action is taken more than one year after your initial information request.

\*[NOTE: Our files normally do not contain historic archeological sites or architectural properties. For information on these types of sites as well as prehistoric sites not listed in the N.Y.S.M. files contact The State Historic Preservation Office; Office of Parks, Recreation & Historic Preservation; Agency Building #1; Empire State Plaza; Albany, NY, 12233 at (518) 474-0479.

RESULTS OF THE FILE SEARCH:

Recorded sites ARE NOT located in or within one mile of the project area. If so, see attached list.

Code "ACP" = sites reported by Arthur C. Parker in The Archeology Of New York, 1922, as transcribed from his unpublished maps.

SEARCH CONDUCTED BY: BW (initials) Anthropological Survey, NYS Museum

CC: N.Y.S. OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION; HISTORIC PRESERVATION FIELD SERVICES BUREAU



01/15/97 To: HOPE LEININGER, TETRA TECH, INC.

Project: FORT TOTTEN MILITARY RESERVATION Topo. Maps: FLUSHING

BW(initials) Anthropological Survey, NYSM  
Recorded sites ARE NOT located in or within one mile of the project area.

New York State Museum Prehistoric Archaeological Site Files

EVALUATION OF ARCHAEOLOGICAL SENSITIVITY FOR PREHISTORIC (NATIVE AMERICAN) SITES

Examination of the data suggests that the location indicated has the following sensitivity rating:

HIGH PROBABILITY OF PRODUCING PREHISTORIC ARCHAEOLOGICAL DATA.

The reasons for this finding are given below:

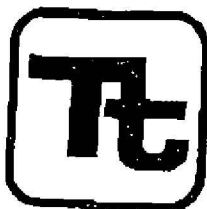
- ☐ A RECORDED SITE(S) IS(ARE) INDICATED IN, ADJACENT TO, OR IN THE VICINITY OF THE LOCATION AND WE HAVE REASON TO BELIEVE IT(HEY) COULD BE IMPACTED BY THE PROPOSED ACTIVITY.
- ☐ A RECORDED SITE IS INDICATED IN THE GENERAL VICINITY OR SOME DISTANCE AWAY. DUE TO THE MARGIN OF ERROR IN THE LOCATION DATA IT IS POSSIBLE THE SITE ACTUALLY EXISTS IN OR IMMEDIATELY ADJACENT TO THE LOCATION.
- ☒ THE TERRAIN IN THE LOCATION IS SIMILAR TO TERRAIN IN THE GENERAL VICINITY WHERE RECORDED ARCHAEOLOGICAL SITES ARE INDICATED.
- ☒ THE PHYSIOGRAPHIC CHARACTERISTICS OF THE LOCATION SUGGEST A HIGH PROBABILITY OF PREHISTORIC OCCUPATION OR USE.
- ☐ THE PHYSIOGRAPHIC CHARACTERISTICS OF THE LOCATION SUGGEST A MEDIUM PROBABILITY OF PREHISTORIC OCCUPATION OR USE.
- ☐ THE PHYSIOGRAPHIC CHARACTERISTICS OF THE LOCATION SUGGEST A LOW PROBABILITY OF PREHISTORIC OCCUPATION OR USE.
- ☐ EVIDENCE OF CULTURAL OR NATURAL DESTRUCTIVE IMPACTS SUGGESTS A LOSS OF ORIGINAL CULTURAL DEPOSITS IN THIS LOCATION.
- ☐ THE PHYSIOGRAPHIC CHARACTERISTICS OF THE LOCATION ARE MIXED, A HIGHER THAN AVERAGE PROBABILITY OF PREHISTORIC OCCUPATION OR USE IS SUGGESTED FOR AREAS IN THE VICINITY OF EITHER PRESENT OR PREEXISTING BODIES OF WATER, WATERWAYS, OR SWAMPS. A HIGHER THAN AVERAGE PROBABILITY IS SUGGESTED FOR ROCK FACES WHICH AFFORD SHELTER OR FOR AREAS SHELTERED BY BLUFFS OR HILLS. AREAS IN THE VICINITY OF CHERT DEPOSITS HAVE A HIGHER THAN AVERAGE PROBABILITY OF USE. DISTINCTIVE HILLS OR LOW RIDGES HAVE AN AVERAGE PROBABILITY OF USE AS A BURYING GROUND. LOW PROBABILITY IS SUGGESTED FOR AREAS OF EROSIONAL STEEP SLOPE.
- ☒ PROBABILITY RATING IS BASED ON THE ASSUMED PRESENCE OF INTACT ORIGINAL DEPOSITS, POSSIBILITY UNDER FILL, IN THE AREA. IF NEAR WATER OR IF DEEPLY BURIED, MATERIALS MAY OCCUR SUBMERGED BELOW THE WATER TABLE.
- ☐ INFORMATION ON OTHER SITES MAY BE AVAILABLE IN A REGIONAL INVENTORY MAINTAINED AT THE FOLLOWING LOCATION(S).

COMMENTS:

CC: N.Y.S. OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION; H. P. FIELD SERVICES BUREAU

Tellman 3 of 3





TETRA TECH, INC.  
5103 Leesburg Pike, Suite 900  
Falls Church, VA 22041  
Telephone (703) 931-9301  
FAX (703) 931-9222

New York State Museum  
Attn: Beth Wellman  
Albany, New York

Via Telefax: 518-473-8496

Dear Ms. Wellman:

Tetra Tech is currently conducting a Section 106 compliance Phase I archaeological investigation of two military bases on Long Island. We would like to request a State Museum Site File search as part of our investigation. The project areas are (1) the Bellmore Maintenance Facility in Nassau County and (2) Ft. Totten in Queens. Photocopies of appropriate portions of US quad sheets follow. Tetra Tech understands that any information you provide us is sensitive and that the exact locations of any archaeological sites identified near the project areas are protected. Thank you for your help, if you need any additional information please call me at 703-931-9301 ext 482. Thanks.

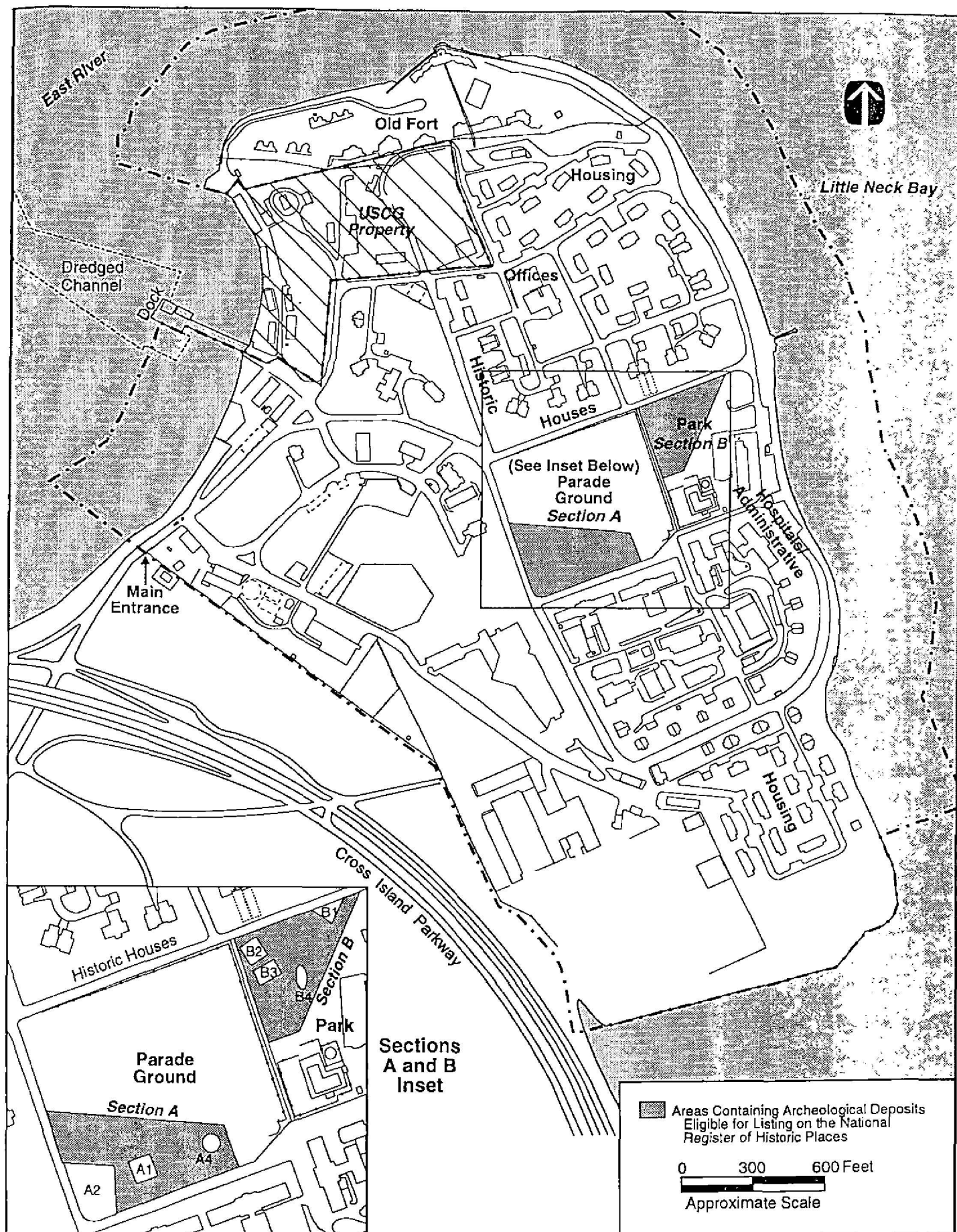
Sincerely,

Hope Leininger  
Archaeologist

**APPENDIX F. Site Forms**

(Completed Site Forms and Additional Documentation Provided to  
SHPO under Separate Cover)

**APPENDIX G. Map of Areas within Fort Totten Containing  
Archaeological Deposits Recommended as  
Eligible for Listing on the National Register  
of Historic Places**



Appendix G. Map of Areas within Fort Totten Containing Archeological Deposits Recommended as Eligible for Listing on the National Register of Historic Places.