



**Phase IB Archaeological Field Investigation**  
**DOCK STREET REZONING, DUMBO**

**54-62 Water Street, Block 36, Lots 1, 3, 14, 49, 52, and 53**  
**Brooklyn, New York**  
**NYCLPC # 01DCP004K**  
**CEQR #09DCP025K**

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Prepared for:

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## I. INTRODUCTION

Two Trees Management proposed demolition and site preparation activities within Block 36 (current tax Lots 1, 3, 14, 49, 52, 53) in Brooklyn, New York in order to construct a new mixed-use building in the western half of the block (Figure 1). This location, currently identified as the Dock Street site<sup>1</sup>, formerly contained a contributing building within the State and National Register (S/NR) DUMBO Historic District. Since the proposed action required a City agency to make a discretionary decision on the proposed project, the proposed actions were subject to City Environmental Quality Review (CEQR).

As a function of the required CEQR review, Historical Perspectives, Inc. (HPI) completed a Phase IA Archaeological Assessment on the Dock Street (54-62 Water Street) project site's Area of Potential Effect (APE) in 2003. The research material collected for the assessment identified specific historic-era resources within discrete sections of the project property (Figure 2). Block 36, current tax Lot 3 and part of Lot 14 were flagged for the potential recovery of historic landfill (c. 1782-1788) and parts of Block 36, current tax Lots 1, 3, 49, 52, 53 were flagged for historic residential features (c. 1786-1870). The New York City Landmarks Preservation Commission (LPC) reviewed the archaeological Phase IA Archaeological Assessment, also known as a documentary study, and accepted the above findings.

The proposed development activities within the project site involve excavation in the areas identified as sensitive, which could result in an adverse impact on potential archaeological resources. To mitigate this potential impact, LPC requested a restrictive declaration, requiring archaeological field testing prior to construction on the identified lots. This restrictive declaration is currently part of the public record.

In compliance with the restrictive declaration, Two Trees Management, asked HPI to conduct the required archaeological testing at the Dock Street project site. HPI established the CEQR required testing protocol, which was submitted to, and approved by, LPC (July 11, 2012). At the conclusion of the field testing (September 2012), HPI submitted an End of Fieldwork Memorandum that summarized the procedures and findings to the review agency so that the project could continue to move forward. The present technical report documents the full findings of the field project and includes figures, field photographs, the completed catalog of recovered artifacts, and the faunal analysis.

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<sup>1</sup> The project development was originally identified as the 54-62 Water Street Site when the 2003 research report was completed. In the intervening years the project title was changed to the Dock Street Project Site.

## II. FIELD METHODOLOGY/RESEARCH DESIGN

This first level of fieldwork, often referred to as Phase IB, is conducted in accordance with the applicable archaeological guidelines (LPC 2002). The subsurface testing for archaeological resources is limited to the portion of the project area that has been identified as sensitive and will be impacted by the proposed development (the APE). It is not, however, a full-scale Data Recovery excavation. The field methodology prepared by HPI for the LPC approved protocol is presented below.

The Dock Street site presented an unusual set of conditions that were considered when the HPI team established the archaeological testing protocol. Prior to excavation, standing structures covered a large portion of the project site. Plans called for the demolition of the three largest structures (on current tax Lots 1, 3, and 14) prior to new development. The demolition plans, provided by the project sponsor, indicated that the entire superstructure of the buildings would be removed, as well as the concrete slabs that constitute the ground floor bases. The foundations and footings of the buildings would also be removed under a separate excavation permit, following the completion of archaeological testing

When the existing buildings were constructed, only small areas were identified in the documentary record as containing subgrade basements. The remaining portions of the buildings with no basements had concrete slabs as the first floor base. All of the buildings within the project site were expected to have footings that extended at least four feet below the present grade, or possibly deeper, in order to support the concrete slabs. The expected footings would be located along the building edges (which generally conform to existing lot lines) but presumably also occur at locations within the interior of the building footprints. Since removal of these footings might also impact potential archaeological resources, they would not be removed prior to the archaeological testing program. Additionally, removal of the concrete slabs that constitute the first floor bases might expose and/or impact the tops of archaeological resources located just below the present grade.

With these conditions in mind, HPI recommended the following tasks for the demolition process (details extracted and summarized from the protocol).

1. Prior to demolition of the first floor of the buildings on the site, Register of Professional Archaeologists (RPA) certified archaeologists from HPI would meet with construction personnel on-site to review the sensitivity of the project site with regard to potential archaeological resources and to discuss demolition and staging practices that would avoid impacts to such resources. This task would also entail identifying and marking the historical lot lines on the adjacent sidewalks or other permanent fixtures so as to facilitate orientation on the site after the buildings have been razed.
2. It was anticipated that some archaeological testing might occur in the vacant lots of the site as demolition is occurring on other, non-contiguous parts of the site. This would allow simultaneous activities to occur on the site.
3. Following the removal of the superstructures and concrete slabs, RPA-certified archaeologists from HPI would inspect the exposed ground surface, paying particular attention to the areas deemed archaeologically sensitive in the 2003

Phase IA Archaeological Assessment. This action would determine if any archaeological resources have been exposed near the surface (such as former historic foundations or truncated shaft features such as wells, cisterns, and privies). Any exposed features would be mapped and the testing recommendations (below) revised accordingly to account for these possible features.

4. Following the site mapping (which likely would occur on a lot-by-lot basis as demolition/field testing occurs) and prior to any additional demolition, excavation, or site development activity, the program of archaeological field testing, outlined below, should be undertaken by HPI. The locations of proposed test trenches (shown on Figure 2) would need to be offset to account for existing footing locations or other subgrade conditions during fieldwork. LPC would be consulted if testing plans need to be significantly revised, as opposed to simply offset to avoid footings.

As noted in the protocol, the total sensitive area would not be excavated, but instead sampled according to known depositional patterns for each resource type. For example, exploration trenches for homelot features would be placed at the rear lot lines to recover potential shaft features and at the rear of the former 19th century structures for potential buried cisterns. Exceptions are for homelot features associated with the Sands domestic complex on former [historic] Lots 22 and 27, where some trenches would be oriented to sample resources near the former Sands mansion foundation and a former outbuilding, respectively. Homelot trenches, based on historic lot lines were originally proposed to be 5-6 feet in width, with the length depending on the extent of the lot dimensions, as shown on Figure 2. The remaining trenches were originally proposed to be ca. 10-12 feet in width, with the length dependent on the extent of the lot dimensions.

The HPI field testing program was designed to rely primarily on machine-excavation of the test trenches using a backhoe to remove the overburden and expose any potential archaeological resources. Excavation within the trenches would begin by scraping thin levels of soil. The excavation trenches would be expanded in width if stepping or canting becomes necessary to comply with OSHA regulations. The protocol further defined treatment of a full array of potential features that might be discovered during the field examination.

### **Implementation of the Protocol**

A total number of 11 test trenches were planned for the field examination of the project site. Table 1 lists the lots identified for testing, the proposed trench numbers (as shown on Figure 3) tied to historic lot numbers, and the locations of the trenches on the respective lot(s). During the field investigation, professional standards for excavation, screening, recording of features and stratigraphy, labeling, mapping, photographing, and cataloging were applied. It was anticipated, based on the number of features/artifacts recovered from other residential excavations from this time period, that the proposed testing would encounter a variety of resources, including shaft features that may hold quantities of artifacts. Following the excavation, the archaeologists cleaned and inventoried all cultural material removed from the field.

**Table 1. Locations of Archaeological Test Trenches.**

<b>Modern lot number</b>	<b>Historic lot number</b>	<b>Trench number</b>	<b>Location on lot</b>
14	14	14-1	Rear of lot
52	21	21-1	Rear of lot
52	21	21-2	Rear of former house
53	22	22-1	Footprint of former house
53	22	22-2	Rear of lot
53	22	22-3	Rear of former house
1	23	23-1	Rear of lot
1	23	23-2	Rear of former house
1	26	26-1	Rear of lot
1	26	26-2	Rear of former house
3	27	27-1	Rear/side of former building
3	27	27-2	Rear/side of former building
3	28	28-1	North-south extent



### III. SUMMARY OF LOT HISTORY

Historically, all of the lots investigated within the project APE were formerly part of the much larger 18<sup>th</sup> century Joshua Sands waterfront estate. As the estate was sold off in the 19<sup>th</sup> century, it was divided into several building lots and additional dwellings and businesses eventually joined and/or replaced the early Sands structures. The project block was located in what was then the commercial, business and social hub of Brooklyn. The area underwent intensive land use until the decline of the neighborhood economy during the 20<sup>th</sup> century. By the mid-20<sup>th</sup> century, most of the 18<sup>th</sup>- and 19<sup>th</sup>-century structures had been removed, and the smaller lots were consolidated into the present block/lot configuration. The lots that were investigated during field testing include historic lots 14, 21, 22, 23, 26, and 27. For the purposes of this discussion, the earlier lot numbers, prefaced by the word “*historic*,” will be used to distinguish between the different buildings and areas within the current tax lots. Table 1 and Figure 2 provide both the modern and historical lot numbers for clarification. While a detailed history of the project site can be found in the 1A Archaeological Assessment (HPI 2003), a brief summary of the history of each of the historic lots, in the order they were examined during the field excavation, is presented below.

#### Historic Lot 26 (northeast corner of Dock and Front Streets)

Once part of the Joshua Sands estate, historic Lot 26 lay 32 feet west of the Sands mansion, which was constructed in 1786 (Figure 2). Cartographic research found that while the lot was empty in 1788, a structure had been built in this location by 1797. No information on the function (e.g., residential, commercial, estate outbuilding) of this structure was found during the research phase of the project.

In 1806 historic Lot 26 was part of a larger land transfer, when Augustus Graham purchased it, along with historic Lot 27 (extending his property from Front Street to Water Street). Graham likely demolished the initial structure on the lot when he built a two-story brick house facing Front Street. The house was occupied by Graham, his “brother” John Bell Graham, as well as several servants, for most of the first half of the 19<sup>th</sup> century. By 1850, James W. Emery, his small family, and a couple of servants were residing in the dwelling. The property was sold by 1853, after which portions of the dwelling appear to have been utilized as a boarding house. A descendant of Graham reported that the house had been sold to the Brooklyn Gas Light Co. who took off the top floor and used the structure for offices (Dan Maloney, email communication to Eve Kahn; Appendix 4). At some point during the 1850s and 1860s, a narrow frame addition was added to the rear of the house, spanning the width of the lot. By 1865, the house was used for both office space by the Atlantic (later Brooklyn) Ice Company, as well as residential space.

The back yard was consistently depicted as empty on historic maps until about 1880, when it appears to have been separated from the domestic portion of the lot. By that date, a one-story brick wing of the Fulton Sugar refinery (located on the north side of the block) stood in the historic Lot 26 back yard.

Between 1880 and 1890 the Graham house was razed and a frame shed or stable had been built in the same location along Front Street. The stable and the entire sugar refinery were demolished prior to 1904. Sometime before 1915, the American Express Company built a frame structure that covered all of historic Lot 26, as well as neighboring Lot 3. A one-story section of the structure, housing a store and offices, covered most of historic Lot 26. By 1939, this building

had also been razed, and the historic Lot 26 was vacant until a modern garage building was erected in 1955.

The archaeological assessment found that the rear yard of the 19<sup>th</sup> century Graham house was potentially sensitive for residential resources.

#### Historic Lot 27

Historic Lot 27 was located at the corner of Dock and Water Streets (Figure 2). This lot was also part of the Joshua Sands estate, situated to the northwest of the former Sands mansion, which was built in 1786. The project block sloped downhill toward the waterfront, which at the time was located immediately to the north side of Water Street. A structure appears at the Dock and Water Street corner on this lot on late 18<sup>th</sup> century maps, although there is no indication of the function of the building. Augustus Graham purchased this lot, along with the adjacent historic Lot 26, in 1806, providing him with a large residential parcel. According to historian Henry Stiles, Graham created a large garden in Lot 27 (Stiles 1869:94).

Beginning in September 1822, Augustus Graham helped establish the White Lead Works, which Stiles mistakenly identified as present within Lot 27 (Stiles 1869: 99). In actuality, the business occupied the neighboring block bounded by Front, Water, Washington, and Adams streets, as well as other adjoining lands. Graham's business required additional capital, and in July 1825, along with David Leavitt, John B. Graham, and George S. Haviland, the Brooklyn White Lead Company was incorporated (Bishop 1868:190–191).

At some point near the middle of the century, Graham divided historic Lot 27 from his homelot (historic Lot 26). Maps dating to the mid-19<sup>th</sup> century depict historic Lot 27 with an L-shaped, brick building identified as a Gutta Percha Manufacturing business. Samuel T. Armstrong visited England in 1846 to learn about gutta percha manufacturing, returned to New York City the same year, beginning production at the American Gutta Percha Company by the fall of that year. Armstrong was president, partnered with W. S. Wetmore of New York City. The factory was moved to Brooklyn in the winter of 1847. One of gutta percha's many attributes is that it resists corrosion, and so was used in the production of insulated wire. One of the Armstrong company's important contracts was production of the cable for the early transatlantic telegraph system (Shaffner 1854:386–388; Ripley and Dana 1871:598–599).

By 1867, the brick factory building and the Gutta Percha Works were replaced by a larger sugar refinery, which combined and covered historic Lots 27, 28 and 29, as well as the northern half of historic Lot 26. Identified as the Fulton Sugar Refinery by 1880, it was recorded as a four-story brick building on the 1887 Sanborn map. The lots remained covered by the large commercial/industrial building throughout the 20<sup>th</sup> century (American Express Building, Charles Williams Stores).

Research found that portions of this lot are potentially sensitive for waterfront and residential cultural resources.

#### Historic Lot 14

Historic Lot 14 is located at the northeast corner of the project APE and fronts on Water Street (Figure 2). Once part of the Sands estate, historic Lot 14 is over 75 feet northeast of the site of

the former Sands mansion, built in 1786. No 18<sup>th</sup>-century buildings are recorded on the lot before the block was divided into lots during the early 19<sup>th</sup> century.

By 1852, historic Lot 14 was occupied by part of J. Benson's copper and brass foundry. The 1855 Perris depicts a group of interconnected brick buildings between historic Lot 14 and the neighboring lots to the east (outside of the APE). Rooms within the portion of the foundry in the neighboring lots included a cooper shop and a finishing shop, while an engine room was identified in the southern portion of Lot 14 (within the APE).

By 1867, the early 19<sup>th</sup> century brick foundry structures had been removed, and replaced by a single building housing an iron foundry and smelting business that was identified in the 1870s as Mitchell's Puritan Iron Foundry. The foundry was headquartered in a pair of interconnected buildings, with one-, two-, three- and four-story sections, and covered the entire lot. The building remained an iron works through 1939. Following that date, the building's main function was as a storage facility.

The archaeological assessment found that portions of this lot are potentially sensitive for industrial cultural resources.

### *Historic Lot 23*

Historic Lot 23 was 81.5 feet east of Dock Street, with an 18-foot frontage on Front Street (Figure 2). The front, or southern half of the lot was the location of the western half of the Sands mansion, built in 1786. The remainder of the lot was part of the formal gardens surrounding the Sands residence. After the Sands mansion was split into two dwellings in 1822, the western section, on historic Lot 23 was demolished. The open space between the remaining portion of the Sands house and the Graham house on historic Lot 26 was divided into three lots, of which Lot 23 was the easternmost. By 1822, each of the three lots was occupied by a new identical brick house, likely constructed at the same time.

Later maps show the 19<sup>th</sup> century house on historic Lot 23 as a three-story brick building with a basement. A small shed at the rear (north) of the building did not have a basement. The house and shed were present on the lot until after 1920, but by 1939 both had been demolished, and the lot remained empty until 1955 when a modern parking garage was constructed across historic Lots 23-26.

The first recorded resident following the division of the Sands estate and the construction of a dwelling on historic Lot 23 was Andrew Tombs, a shipmaster, who is listed in directories from the 1820s. Historical records indicate that the lot was occupied by a series of individuals and/or families from that date until the early 20<sup>th</sup> century, when it was used as a school.

The archaeological assessment found that the rear yard was potentially sensitive for residential resources.

### *Historic Lot 22*

The eastern half of the Sands mansion was formerly on historic Lot 22. Built in 1786, the mansion was two-story, wood frame building, approximately 50 feet square. In ca.1822, the

mansion was divided into two separate dwellings with the eastern half located in Lot 22.<sup>2</sup> Sands resided on Lot 22 until his death in 1835. Following Joshua Sands' death, the property passed into the hands of the Abbott and Patchen families. By 1840, directories and census records list both Daniel Abbott and his son-in-law George M. Patchen as residents of historic Lot 22 along with their families and servants. Following Abbott's death in 1862, Patchen moved his family to the adjacent property (historic Lot 21). During the 1860s the house on historic Lot 22 was converted to rental apartments and a series of transient families occupied the structure well into the early 20<sup>th</sup> century. This portion of the former Sands mansion survived until after 1945.

An open alley or passage, approximately 9 feet wide, ran along the eastern side of historic Lot 22. The alley led to a small outbuilding/stable abutting the rear of the house. During the late 19<sup>th</sup> – early 20<sup>th</sup> century, a series of small outbuildings were built and/or demolished within the rear (north) yard of historic Lot 22. Between 1945 and 1950, all the structures on historic Lot 22, including the Sands house, were demolished. The lot remained free of structures and was utilized for surface parking.

The archaeological assessment concluded that the rear yard was potentially sensitive for residential resources.

### *Historic Lot 21*

Also part of the former Sands estate, historic Lot 21 was located 10 feet east of the Sands mansion and was originally part of the formal gardens surrounding the house. Following the 19<sup>th</sup> century division of the estate, a dwelling was constructed on this historic lot prior to 1845, when James Corkrey was identified as a resident. Research indicates that the building contained multiple families at a time with most being short-term residents. George Patchen and his household, the only long-term residents of historic Lot 21, moved into the dwelling from the adjacent Sands house in ca. 1862 and resided there until the early 1880s.

Between 1920 and 1939, the house was demolished, and replaced by a one- and three-story wing of the brick Nova Clutch building, where automotive supplies were manufactured. Research found that the majority of the rear yard appears to have been empty of buildings during the life of the dwelling.

The archaeological assessment found that the rear yard in historic Lot 21 was potentially sensitive for residential resources.

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<sup>2</sup> The western portion of the structure (approximately 25 feet) located in the neighboring historic Lot 23 was torn down before 1852.

#### IV. RESULTS OF ARCHAEOLOGICAL FIELD TESTING

Prior to beginning the below-ground investigation, the HPI team met with the project construction team to review the testing protocol and discuss the types of cultural resources that might be present within the project site. In addition, the construction team identified the order of demolition work across the site, which in turn provided the order of investigation of the archaeological test trenches.

Testing at the Water Street/Dock Street site commenced on August 14, 2012 under the direction of Sara Mascia, RPA, and Faline Schneiderman, RPA. The protocol called for the investigation of 13 archaeological Test Trenches within the former historic lots of the project site (Trenches were identified by the Historic Lot number where they were placed: 26-1, 26-2, 27-1, 27-2, 28-1, 14-1, 23-1, 23-2, 22-1, 22-2, 22-3, 21-1, and 21-2). The lots were not examined in chronological order, but instead were investigated according to the demolition and on-site construction schedules.

In order to facilitate the examination of the site, machine-aided excavation was utilized to remove surface refuse, as well as any fill layers containing 20th-century construction/demolition debris. The mechanical removal of the overburden was monitored by HPI.

The HPI team completed the examination of 11 Test Trenches during the field project. The final placement and size of the trenches was determined by field conditions (Figure 3). Two of the test trenches (27-1, 27-2) were enlarged and covered sufficient area that, after consultation with LPC, allowed for the elimination of Test Trench 28-1 from study. In addition, during the field examination the locations of trenches were slightly altered in order to facilitate the excavation of the lots around modern disturbance and/or historic features. Trench 22-1 was moved to the east and Trench 21-2 was moved to adjoin Trench 22-1, eliminating Trench 21-2 as a separate designation.

As mentioned above, the testing plan called for the excavation of a series of trenches within the historic lots identified as sensitive. The goal of the field examination of the trenches was to expose any buried intact historical yard surfaces and/or deeply buried cultural features. The field archaeologists directed the backhoe operator to remove only shallow increments of soil from the test trenches when nearing the location of a possible historic buried ground surface. Artifacts collected from discreet features were processed in the laboratory and cataloged (Appendix 1 and Appendix 2).

During the investigation, the archaeological field team identified twenty-three historical features (Table 2; Figure 4).

**Table 2. Identified Features at the Dock Street Project Site**

<b>Feature Number</b>	<b>Trench Number</b>	<b>Feature Type</b>	<b>Additional Information</b>
1	26-2	Possible Water Closet	Stone/Brick
2	26-1	Floor	Brick and Concrete - Parking Garage
3	26-1	Floor	Sugar Refinery Boiler Room
4	27-1/27-2	Foundation	Stone/Brick
5	27-2	Wood Tree Trunk	Below brick floor
6	27-2	Machine Pad	Brick and Mortar

Feature Number	Trench Number	Feature Type	Additional Information
7	27-2	Wood Pilings	Vertical pilings with creosote and rebar
8	27-2	Privy	Stone lined - possible wood at base
9	14-1	Wood Floor Supports	Two rectangular wood support timbers; East end of Trench
10	14-1	Foundry-related	Pads and support walls
11	23-2	Cistern	Brick lined, truncated, with ash/artifact fill
12	22-3	Foundation	Sands House
13	22-3	Ash/Artifact Deposit	North of Sands Foundation Wall
14	23-1	Ash/Artifact Deposit	
15	23-1	Fish Deposition Pit	Multiple fish remains
16	23-1	Ash/Artifact Deposit	
17	23-1	Mortar/Artifact Deposit	
18	23-1	Artifact Deposit	Soil anomaly - shell matrix
19	22-3	Brick Foundation	Filled Addition to Sands House
20	21-1	Brick Foundation Wall	Rear house foundation stone/brick
21	21-1	Cistern	Brick lined, truncated, with sand/artifact fill
22	22-2	Domestic Refuse Pit	Artifact concentration
23	22-2	Domestic Refuse Pit	Artifact concentration

The results of field testing are presented below according to the excavation sequence in each of the historic lots.

## Historic Lot 26

This lot originally had a 42-foot frontage on Front Street and a 111-foot frontage on Dock Street. Two excavation trenches were planned for lot 26; one at the rear of the lot (Trench 26-1) and one in the location directly north of the rear wall of the former Graham residence (Trench 26-2). The two rectangular trenches ran east-west and measured approximately 15 feet x 45 feet (4.5 x 13.7 meters) (Figure 3). Trenches 26-1 and 26-2 were excavated in areas sensitive for shaft features such as privies and cisterns (1786–c.1850) associated with the Sands Mansion and/or Graham House.

### Trench 26-2

Trench 26-2 ran parallel to Dock Street, and was designed to seek home lot features from the late 18<sup>th</sup> through late 19<sup>th</sup> century occupations of Lot 26. The western end of the 4.5 m x 13.7 m (15 ft x 45 ft) trench was placed at the retaining wall along the sidewalk on the east side of Dock Street.

The excavation of the trench revealed the remnants of a former building foundation (Feature 1A; Figure 5). An L-shaped cut stone and mortar foundation wall, representing a portion of the western and northern walls of the house was exposed and found to be partially intact. The interior of the foundation was filled with a thick layer of architectural demolition debris and displaced ceramic utility pipes. No evidence of an intact basement floor was noted.

Immediately north of the wall – to the rear of the former building – the team uncovered a rectangular brick foundation for a small addition to the building that was designated Feature 1B (Photographs 1 and 2). The excavation team bisected the feature revealing a pocket of ash with

bone and mortar, and a small scattering of 19<sup>th</sup> century domestic artifacts mixed with the architectural demolition fill. Approximately 60 centimeters of the feature was excavated until subsoil was encountered (Photograph 3).

The domestic artifacts recovered numbered less than 25 with the majority being food related ceramics. The ceramics assemblage included two fragments of early 19<sup>th</sup> century slipware as well as ten fragments from whiteware vessels one of which had a partial mark that read “Mrs. HOPKINS PIES.”

In the southeastern corner of Feature 1, a small brick lined, recessed area was noted. This portion of the feature was covered with a slate cap, that when removed exposed a vertical iron pipe. The presence of what appeared to be a grey water drainpipe might indicate that this small addition was a water closet that was constructed during the late 19<sup>th</sup> century, perhaps when the building was used for both office and residential space. The excavation of the remainder of Trench 26-2 did not reveal any back yard domestic features or artifact concentrations. The majority of the trench contained mixed fill/demolition episodes above subsoil (Table 3).

**Table 3. Stratigraphy of Trench 26-2 (North Wall)**

Level	Depths	Description
1	0--101 cm	Architectural demolition debris with sections of brick walls
2	101-270 cm	Black (10YR 2/1) fine silty sand and ash fill with architectural debris – stone and brick foundation remnants also noted
3	270-380 cm	Yellowish brown (10YR 4/6) silty sand with no cultural material
4	380-570 cm	Very dark gray (10YR 6/1) fine silty sand subsoil

### Trench 26-1

Trench 26-1 was originally to be placed at the very northern end of historical Lot 26 to explore the area for home lot features, but was offset 4.5 m (15 ft) to the south in order to avoid a 20<sup>th</sup> century below-grade stairwell and retaining wall at the north end of the lot (Figures 2 and 3). The western boundary of the 4.5 m x 13.7 m (15 ft x 45 ft) trench was the retaining wall bordering the sidewalk on the east side of Dock Street. Excavation revealed numerous depositional strata containing architectural debris fill affiliated with the demolition of the 20<sup>th</sup> century parking garage and the former sugar refinery building (built c.1880) that were once present on the lot. Table 4 presents the strata sequence identified during the field investigation.

The backhoe exposed a partial remnant of the 20<sup>th</sup> century garage floor (Feature 2) at a depth of approximately 4 m (13 ft), constructed of brick and concrete (Photograph 4; Figure 4). Once cleared, the team examined the fill beneath Feature 2, which was found to contain early to mid 20<sup>th</sup> century refuse including several fragments of *Mission Beverages* bottles. The bottle fragments date to the 1940s, the time period just prior to the construction of the parking garage.

Continued excavation within Trench 26-2 uncovered the deeply buried brick flooring and footings of the former Fulton Sugar Refinery in the eastern half of the trench (Feature 3; Photographs 5-8). The feature was encountered at a depth of 5.8 m (19 ft) below grade. After the refinery floor was encountered, the eastern half of the trench was extended 4.5 m (15 ft) to the

north in order to monitor the removal of the retaining wall, and to reveal more of the brick feature.

**Table 4. Stratigraphy of Trench 26-1 (North Wall)**

Level	Depths	Description
1	0--180 cm	Architectural demolition debris and modern trash
2	180-210 cm	Dark black (10YR 2/1) medium silty sand and architectural debris
3	210-230 cm	Yellowish brown (10YR 5/6) sandy silt fill mixed with lenses of demolition fill
4	230-360 cm	Brown (10YR 4/3) coarse sand fill with demolition debris
6	360-450 cm	Black (10YR 2/1) fine sandy silt and ash with numerous bricks and other architectural debris
7	450-570 cm	Brown (10YR 4/3) coarse sand fill with architectural debris and pipe fragments
8	570-730 cm	Dark yellowish brown (10YR 4/6) fine silty sand subsoil

Feature 3, the brick and mortar floor, contained concrete spurs to accommodate the heavy machinery required for the refinery. Late 19<sup>th</sup> century maps indicate that this location was the site of several furnaces. The floor was two courses thick and contained indentations in the locations of the actual furnaces (Photographs 6 and 7). No artifact concentrations that were associated with the former industrial activities conducted in historic Lot 26 were present. Instead, Feature 3 was covered with architectural demolition debris that contained only a handful of domestic artifacts (Appendix 1). Large architectural fragments and utility pipe fragments were noted, but not collected. After documentation of the feature was complete, the floor was removed by the backhoe, and excavations continued beneath to search for potential deeply buried home lot-related shaft features from the earlier occupation of the site.

Beneath the refinery floor, stone footings were recorded as extending to a depth of approximately 3 m (9.8 ft) below the floor. At this depth, ground water began seeping into the excavation trench. The significant depths associated with the construction and demolition of the refinery and garage structures appears to have obliterated any domestic features in this location, as no domestic shaft features were encountered. Sterile subsoil was reached at approximately 4.3 m (14 ft) below grade on the south side of the trench and 6.7 m (18 ft) below grade on the north side.

## **Historic Lot 27**

### Trench 27-1

Historic Lot 27 originally had a 50-foot frontage on Water Street and a 70-foot frontage on Dock Street. Trench 27-1 ran parallel to Dock Street with its northern end at the southern side of the sidewalk on Water Street. The 4.5 m x 14 m (15 ft x 50 ft) trench was placed in the location that would have been directly behind (east of) the foundation of the mapped historic structure that was present on the site from c.1787-c.1806 (Figures 2 and 3). Trench 27-1 extended south to the location of Trench 27-2, an east-west trench that also measured 4.5 m x 14 m (15 ft x 50 ft).



Remains of the c.1837 sugar refinery foundation, floors and walls were encountered within Trench 27-1 (Figure 4). The refinery-related structural remains were designated as Feature 4 (Figures 4 and 6; Photographs 9-12). The remains included a north-south mortared stonewall that corresponded with the location of an internal dividing wall depicted on the 1887 Sanborn Atlas (Photograph 9). The wall was comprised of cut fieldstone and shell mortar (Photograph 11). Modern intrusions, including a large cast-iron sewer pipe that bisected the main north-south wall, were noted within the trench and were typically surrounded by brick infilling (Photographs 10 and 12). For recording purposes, the trench was divided into areas – Areas A and B were on the east side of the Feature and Area E was on the west side.

After Feature 4 was recorded, excavations continued beneath it to see if any remains of the earlier 18<sup>th</sup> century structure were present. The length of the trench was excavated through clean landfill down to what appeared to be the original river bottom at a depth of ca. 5.4 m (18 ft) below grade. No features or early yard surface were encountered. The only cultural material noted in the deepest levels of the fill was one cut plank and one notched timber – neither of which was affiliated with any additional structural remains. Both sections of cut wood appear to have been thrown into the landfill haphazardly and did not represent a waterfront retaining device, intact wharf furniture or riverfront related resource. The strata identified in Trench 27-1 is presented in Table 5.

**Table 5. Stratigraphy of Trench 27-1**

Level	Depths	Description
1	0--31 cm	Brown (7.5YR 3/2) silty sand with architectural demolition debris
2	31-45 cm	Dark yellowish brown (10YR 4/6) fine sandy fill with architectural debris
3	45-54 cm	Very dark brown (10YR 2/2) coarse sand mixed with mortar and architectural fragments
4	54-69 cm	Dark grayish brown (10YR 4/2) compact sand fill
5	69-93 cm	Grayish brown (10YR 5/2) coarse silty sand fill with brick and ash pockets
6	93-173 cm	Feature 4
7	173-198 cm	Brown (7.5YR 4/4) wet coarse sandy silt
8	198-540 cm	Very dark gray (7.5YR 3/1) wet fine sandy clay subsoil

### Trench 27-2

Trench 27-2, also initially measured 4.5 m x 14 m (15 ft x 50 ft) but was expanded to 7.6 x 15 m (25 ft x 50 ft) during testing. This trench was excavated immediately to the south of, and perpendicular to, Trench 27-1 in order to seek early home-lot features (Figure 4). Because of the complexity of the excavation in and around the former foundation walls, the trench was also divided into sections - Areas C and D were on the west side of the Trench and Area F was on the east side; the north-south foundation wall (Feature 4) was the dividing line (see Figure 6).

At the south end of the north-south wall, the remains of the sugary refinery interior walls, including an east-west interior wall and two brick machine pads (bases) were noted (Figure 4 and Figure 6; Photograph 13). The machine pads were revealed to the west of the central north-south wall. One of the machine pads was in a cross shape and the second was rectangular. No

evidence of any interior machinery was present and the fill surrounding the features was primarily comprised of architectural demolition debris.

The southernmost stone and mortar wall of the refinery that ran east-west through the western half of the trench appeared to have been built immediately over an older and slightly wider mortared stone wall (Photograph 13). Based on the location of the deeper and earlier wall, it appears that it is from the Gutta Percha factory that was constructed in this lot ca. 1850 and razed to build the refinery.

After the refinery-related features were documented and a limited sampling of artifacts was collected from the surrounding fill, excavations continued from west to east. No home-lot related features were encountered. Following the removal of the brick bases at the western end of the trench, a large cut-timber log (Feature 5) was identified in the fill approximately 4.4 m (14.5 ft) below the surface. At this depth the trench began taking on water at high tide. Dewatering commenced and the team widened the trench by 10 feet. A large portion of Feature 5 was explored to determine if it was waterfront-related. Once fully uncovered it appeared that it was a tree trunk with the bark partially shaved off (Photograph 14). Following the discovery of a large *in situ* cut tree stump nearby, it was determined that this was likely a riverfront tree that had been felled prior to the construction of the Gutta Percha factory in late 1840s. No additional timbers were found in proximity, but faunal remains from a large terrestrial mammal (likely an ox) were collected from fill immediately beneath it. Deeper excavations revealed no additional timbers or structural remains related to the shoreline fill or river front features.

Excavation continued on the east side of Trench 27-2. Approximately 1 m (3.5 ft) to the east of the Feature 4 foundation wall, another large concrete and brick machine pad was revealed (Figures 4 and 6; Photograph 15) and identified as Feature 6. This feature was roughly circular (2.8 m diameter) and had a 90 cm (3 ft) concrete base. Beneath the feature was a layer of fill with large stones under which, a grayish brown (10YR 5/2) fine sandy subsoil was recorded.

On the north side of the east end of Trench 27-2, three timber piles, identified as Feature 7, were observed driven into the fill (Figure 6; Photograph 16). Above them was a poured concrete pile cap with brick and stone inclusions. Likely the piles and cap date to the period of site use by the refinery, but the installation date of this feature is unknown. Two poured concrete footings were also noted (Figure 6).

At the east edge of the trench, a stone-lined shaft feature, likely the remnant of a truncated privy, was encountered immediately south of one of the poured concrete refinery footings. The top of the truncated shaft feature was approximately 2.42 m (8 ft) below grade. The privy, Feature 8, was circular, measuring approximately 1.52 m (5 ft) in diameter with the remaining portion, or base of the privy extending down approximately 1.52 m (5 ft) (Figures 4, 6, and 7; Photographs 17-20). The archaeology team bisected the privy, excavating approximately 65% of the remaining portion of the truncated feature. Artifacts were collected from seven discrete strata within the interior of Feature 8 (Figure 7; Photographs 19 and 20). Mochaware, whiteware, yellowware, fish bones, mammal bones, and an assortment of early 19<sup>th</sup> century artifacts were collected from the previously truncated feature (Appendix 1 and Appendix 2). An analysis of the assemblage is presented later in this report.

Fragments of a thick circular wood cover were found in the surrounding fill (Photograph 21). These fragments might have been part of a wooden cap for the privy. This feature appears to

date to the Graham occupation of the project site. Research indicates that after Graham purchased historic Lots 26 and 27, his backyard extended down hill (north) to Water Street. Stiles further indicated that Graham had a garden in this location. It is likely that Graham had the privy constructed in his garden near the waterfront to encourage the natural flushing by tidal action within the feature. The privy was probably utilized by the residents of Lot 26 from ca. 1806 until the 1840s when Graham moved just prior to the construction of the Gutta Percha factory. The date range of the artifacts precludes this feature being associated with the early Sand's 18<sup>th</sup> century building on this lot.

Continued excavation did not reveal any additional residential or waterfront features within Trench 27-2. The final stratigraphic sequence for Trench 27-2 is presented in Table 6.

**Table 6. Stratigraphy of Trench 27-2 (South Wall)**

Level	Depths	Description
1	0-154 cm	Multiple episodes of architectural demolition debris
2	154-173 cm	Stone footing
3	173-184 cm	Yellowish brown (10YR 5/4) mottled with dark yellowish red (5YR 4/6) fine sandy fill with architectural debris
4	184-221 cm	Brown (10YR 4/2) sand fill with some architectural debris
5	221-241 cm	Very dark grayish brown (10YR 3/2) sand with wood architectural remnants
6	241-258 cm	Brown (7.5YR 4/4) wet coarse sandy silt
7	258-396 cm	Brown (10R 4/2) fine silty sand with some wood fragments
8	396-548 cm	Brown (10R 4/2) fine silty sand subsoil

## Historic Lot 14

Historic Lot 14 originally had a 78-foot frontage along Water Street and the rectangular lot extended approximately 80 feet to the south. One trench was planned for this location in order to determine if any cultural resources associated with the former foundry buildings (pre-1867-c.1939) were still present (Figure 2).

### Trench 14-1

Trench 14 -1 was a 6m x 13.5 m (20 ft x45 ft) east-west trench that was placed across the rear (south end) of the lot. The final location of the trench was offset by 5 ft to the north and west in order to avoid undermining a retaining wall separating the lot to the south and the footings of an adjacent off-site structure to the east (Figure 3).

Building files record the last known building foundation within this lot was a concrete slab with no cellar. The archaeology team encountered a concrete floor and had the backhoe remove it in the location of the test trench. Beneath the floor, a dark black demolition stratum was revealed. Once cleared, the team identified two decomposing wood floor supports at the eastern end of the trench (Figures 3 and 8; Photograph 22). Several brick foundry walls at various depths were also

encountered, including an early 20<sup>th</sup> century addition that was filled with demolition debris, including a piece of newspaper dated to October 1925 (Figure 8).

Further clearing at the back of the lot identified a series of platforms or pads used for industrial machinery (Photographs 23 and 24). The surrounding fill contained architectural demolition debris, and slag. In addition, numerous metal rings, were noted and a broken stone crucible was collected (Photographs 25 and 26). Black fill constituted the matrix in the northern half of the trench, while demolition debris and clean sandy fill were noted in the southern and western areas. Excavations continued beneath the clean fill until a level believed to be original river bed was encountered (Table 7). No historical features were found beneath the foundry remains.

**Table 7. Stratigraphy of Trench 14-1 (North Wall)**

Level	Depths	Description
1	0-215 cm	Black (10YR 2/2) silty sand with multiple episodes of architectural demolition debris
2	215-226 cm	Dark yellowish brown (10YR 4/6) fine sand with brick and mortar fragments
3	226-320 cm	Brown (7.5YR 5/3) wet coarse sandy silt subsoil

### **Historic Lot 23**

Historic Lot 23 was 81.5 ft east of Dock Street, with an 18-foot frontage on Front Street. The lot extended approximately 112 feet north of Front Street. Two trenches were excavated in this lot; one at the rear of the lot and one immediately behind the former residence (Figure 2). Prior to excavation, the archaeological team noted the presence of a thick concrete wall, from the former parking structure, along the eastern boundary of the lot.

#### Trench 23-1

Trench 23-1 was a 4.5 m x 4.5 m (15 ft x 15 ft) east-west trench excavated across the northern edge of the former back lot of the Sands House (ca. 1786-1822). A large 20<sup>th</sup> century concrete footing was present in the southeast corner of the trench. During excavation, a series of three domestic refuse pits were found to be present at varying depths in the southern half of the trench (Features 14, 16, and 18) (Figure 9; Photographs 27, 29, 30). Each of the refuse pits had been dug into a deep sandy stratum (ca. 180 cmbs-235 cmbs). No lining was utilized for the interior of any of the features. Each was bisected and the artifacts were collected for analysis. Ceramics, bottle glass, faunal material, and an assortment of early to mid-19<sup>th</sup> century artifacts were collected from each feature (Appendix 1 and Appendix 2). The analysis of the assemblages from these features is presented later in this report.

In proximity to the refuse features, the archaeological team identified Feature 15, a pit that contained the remains of several fish species that had been purposely buried (Photograph 28). They include Atlantic Cod, Perches, Wrasses, Bluefish, and Shad. An analysis of the faunal remains from this feature was conducted by Dr. Tom Amorosi and is presented in Appendix 3.

On the eastern and northern sides of Trench 23-1, a 20<sup>th</sup> century concrete footing floor associated with the former parking garage was revealed. Above the poured concrete in the northeastern corner of the trench, a dense basalt statue of a female head and torso was recovered from the fill (Figure 9; Photograph 31). The statue was of a stylized female form on a flat base that measured

99 x 42 cm (Appendix 4). This object would have been deposited in this location during the pre 1929-1939 demolition activities, when the house and shed were removed from the lot. It is unknown if it was brought in with the fill or on site prior to demolition and the installation of the concrete supporting wall for the garage. However, the considerable weight of the statue (ca. 400 lbs) might indicate that it was located somewhere within the project block prior to deposition in the fill. See Appendix 4 for research data on this artifact.

No historical shaft features were identified in this trench. Table 8 presents the stratigraphic sequence for Trench 23-1.

**Table 8. Stratigraphy of Trench 23-1**

Level	Depths	Description
1	0-110 cm	Multiple episodes of architectural demolition debris
2	110-165 cm	Yellowish brown (10YR 4/6) fill with architectural debris
3	165-285 cm	Brown (10YR 4/2) sand with domestic trash pit features
4	285-430 cm	Brown (10YR 4/2) sand subsoil (South Half of trench)
5	285-430 cm	Very dark grayish brown (10YR 3/2) sandy fill with architectural remnants (North edge only)
6	430-445 cm	concrete floor (North edge only)
7	445-520 cm	Brown (10R 4/2) fine silty sand subsoil

### Trench 23-2

Trench 23-2 was a 4.5 x 4.5 m (15 ft x 15 ft) east-west trench excavated in a portion of the back lot of the west section of the former Sands House (Figures 4 and 10). Excavation revealed a large concrete footing against the former concrete wall that spanned the eastern edge of the lot. The concrete wall was part of the 20<sup>th</sup> century garage construction. The typical stratigraphy for Trench 23-2 is in Table 9.

**Table 9. Stratigraphy of Trench 23-2 (South Wall)**

Level	Depths	Description
1	0-91 cm	Very dark grayish brown (10YR 3/2) coarse silty sand with architectural demolition debris
2	91-124 cm	Dark yellowish brown (10YR 4/4) medium silty sand with architectural demolition debris (roof shingles, slate, wood, pipe fragments)
3	124-490 cm	Dark yellowish brown (10YR 4/6) fine silty sand fill with some architectural debris – (Feature 11 in level)
4	490-590 cm	Brown (10R 4/2) fine silty sand subsoil

The trench was expanded an additional 5 ft to the north when a truncated cistern was encountered (Feature 11) in the northwest corner of the trench (Figure 10). The eastern half of the feature was severely truncated and as a result was found much deeper than the west wall (Photograph 32). Initially a small hand test 1 x 1 m square (ca. 3.2 x 3.2 ft) was investigated against the north wall of the feature in order to determine if the interior contained a discreet

filling episode or was comprised only of architectural debris. The test unit indicated that the lower portion of the cistern, perhaps 45%, was likely filled when the feature was no longer required. The excavation team carefully bisected the brick-lined cistern by removing the remaining intact portion of the east half of the feature (approximately 45% of the feature remained). The interior fill was comprised of very dark grayish brown (10YR 3/2) sand containing ash/furnace scale and domestic refuse. The cistern was comprised of two courses of brick and the interior was mortared (Photographs 32 and 33). It was 1.82 m (6 ft) in diameter and was discovered at a depth of 153 cmbs (5 ft) on the west side and 283 cmbs (9.3) on the east side. The base of the feature was found at 490 cmbs (16 ft). Excavation halted in this trench at a depth of 590 cmbs (19.3 ft).

An assemblage of artifacts was recovered from the interior fill, which was found to be one discrete stratum primarily consisting of ash, furnace scale, coal, and domestic refuse. Whiteware, bottle glass, faunal material, and an assortment of mid-19<sup>th</sup> century artifacts were collected (Appendix 1 and Appendix 2). An analysis of the assemblage is presented later in this report.

## **Historic Lot 22**

Historic Lot 22 was 100 ft east of Dock Street, with a 34.5-foot frontage on Front Street. The lot extended approximately 112 feet north of Front Street. Part of the Joshua Sands estate, the front half of the lot was under the eastern half of the Sands mansion, built in 1786. The remainder of the lot was part of the formal gardens surrounding the Sands residence. Two trenches were planned for this lot; one at the rear of the lot and one immediately behind the former residence (Figure 2). Prior to excavation, the archaeological team noted the presence of a thick concrete wall, from the former parking structure, along the western boundary of the lot.

### Trench 22-3

Trench 22-3 measured 35 ft x 15 ft and was placed in the location of the rear of the former Sands House. The trench exposed a portion of the rear and east side of the stone foundation (Feature 12) as well as a section of the interior filled basement (Figure 12; Photographs 34-37). The examination of the stone foundation indicates that it is part of the original Sands House (ca. 1786). The foundation had been altered when the house was divided in the mid 19<sup>th</sup> century; and a crude brick repair was present in the location of the division (see Figure 14; Photograph 35). The builder used medium sized fieldstone with a sand-shell based mortar. The foundation wall was in good condition when compared to the other structures revealed on the project block.

The fill within the open foundation dates from the 20<sup>th</sup> century when the house was demolished to establish the parking lot (Appendix 1). The top of the truncated foundation wall was found approximately 1.3 m (4.2) feet below the surface. The wall was recorded and a section was removed for preservation (Photograph 38). No builder's trench was identified along the interior or exterior of the remaining foundation. A utility pipe trench was found along the exterior that likely destroyed any potential builder's trench in that location (Figure 12; Photograph 35).

A small ash pit that also contained domestic refuse was noted to the north of the foundation wall (Feature 13). This feature was also bisected and sampled by the field team. The feature was irregularly shaped and extended from 2.1 to 2.4 m (6.9 ft – 7.8 ft) below the surface. A small assemblage of 19<sup>th</sup> century domestic material was collected from the feature (Appendix 1).

At the northeast corner of Trench 22-3, a portion of a 19<sup>th</sup> century brick addition to the Sands house was uncovered (Feature 19) (Photograph 39). The addition had been identified as a stable on 19<sup>th</sup> century maps. Only a small portion of the feature was explored. The interior was filled with architectural debris and 20<sup>th</sup> century trash. The archaeology team completed a profile drawing of the east wall of the former Sands house (Feature 12) and the intersection with the brick addition (Feature 19) (see Figure 13).

After removal of the rear foundation wall, continued excavation revealed no additional features within the trench. Excavation continued until subsoil was encountered. The typical stratigraphy for this trench is in Table 10.

**Table 10. Stratigraphy of Trench 22-3 (North Wall)**

Level	Depths	Description
1	0-35 cm	Multiple episodes of architectural demolition debris
2	35-175 cm	Dark yellowish brown (10YR 4/6) coarse silty sand fill with architectural debris
3	175-220 cm	Brown (10YR 3/3) silty sand fill with architectural debris
4	220-240 cm	Brown (10YR 4/2) sand fill with some architectural debris
5	240-310 cm	Brown (10R 4/2) fine silty sand subsoil

#### Trench 22-1

Trench 22-1 was realigned from the original proposed location in the center of the lot (Figures 2 and 3). The trench was moved slightly to the east based on the identification of the filled Sands House foundation. The trench, which measured approximately 6 x 2 m (20 ft x 6.5 ft), was placed along the east edge of the house in a small alley instead of through the interior of the building (Figure 12). The trench exposed a larger portion of the eastern wall of the Sands House foundation, which was profiled and photographed (Figure 13; Photograph 34). On the east side of the trench, a large concrete wall (for the 20<sup>th</sup> century garage) was present. No shaft features or artifact concentrations were identified in the alley.

#### Trench 22-2

Trench 22-2 was placed in the rear yard of the former Sands House and measured approximately 10.5 x 4.5 m (35 ft x 15 ft) (Figure 3). A very thick concrete poured slab was above Trench 22-2. A hoe ram was utilized to remove the approximately 2.4 m (8 ft) thick layer of rebar reinforced concrete (Photograph 41). In the center of the trench a large metal and concrete circular support was exposed and removed (Photograph 42). The thick concrete and circular support pad were likely placed in this location to support a former highway billboard sign.

Once the concrete was removed, wood pilings were noted throughout the trench (Figure 11). Two irregularly-shaped domestic refuse pits were identified during the excavation (Features 22 and 23; Photographs 43 and 44). Each of the features was bisected and sampled by the archaeology team. Feature 22 was to the north of and at a higher elevation than Feature 23. An assemblage of domestic artifacts was recovered from this feature (Appendix 1 and Appendix 2).

The team expanded the trench approximately 1.5 m (5 ft) to the south in order to examine Feature 23 in its entirety.

No shaft features or additional artifact concentrations were identified within Trench 22-2 and excavation ceased when subsoil was encountered across the trench at depths of 353 cmbs (11.6 ft) and 390 cmbs (12.8 ft).

## Historic Lot 21

Historic Lot 21 has a 27-foot frontage on Front Street, beginning 134 feet east of Dock Street. The lot extends 75 feet north of Front Street. The initial testing plan called for Trenches 21-1 and 21-2 to be placed approximately 15' apart in Lot 21 in order to explore the side yard of the Sands House (Figure 2). During the field examination, a very thick concrete pad was discovered in the northern portion of the lot (as well as in Lot 22). This pad covered approximately seven feet of the location of planned Trench 22-1. In addition, the former foundation of the house within Lot 21 was identified, and as proposed, Trench 21-2 would be located entirely within the former structure. Therefore, the field team slightly altered the location of the two trenches, combining them into one Trench 21-1 by placing them adjacent to each other (Figure 3).

### Trenches 21-1

The rear foundation wall (Feature 20) of a 19<sup>th</sup> century house was uncovered along with a brick cistern (Feature 21) (Figures 4 and 15). The foundation was fieldstone with two-three courses of the remaining superstructure wall extant (Photographs 45 and 46). Unlike the Sands house foundation, the construction of this feature was not as carefully completed, using larger stones and more mortar between stones. This building also had a very deep foundation for a full filled basement. A ceramic utility pipe and pipe trench was present along the exterior of the foundation obliterating any potential builder's trench.

The cistern (Feature 21) was a large 2.4 m (8 ft) diameter brick lined feature that was partially truncated (Photograph 45). The feature was bisected and it appeared to have been filled in a single episode. The fill interior contained ash, coal, and furnace scale with a limited amount of domestic refuse (Photograph 47). The base of the cistern was approximately 3.6 m (11.8 ft) below grade. An analysis of the assemblage collected is presented later in this report. The typical stratigraphy for this Trench is in Table 10.

**Table 10. Stratigraphy of Trench 21-1**

Level	Depths	Description
1	0-66 cm	Multiple episodes of architectural demolition debris
2	66-86 cm	Brown (10YR 3/3) silty sand with architectural demolition debris
3	86-280 cm	Dark yellowish brown (10YR 4/6) silty sand with limited architectural debris and Feature 21
4	280-380 cm	Brown (10YR 4/6) sand subsoil

No additional shaft features or artifact concentrations were recovered and testing ceased when subsoil was encountered.



## V. ARTIFACT ANALYSIS AND LOT INTERPRETATION

As expected in an urban setting, a deep stratum of modern demolition debris was found across the entire site. The HPI team cataloged and analyzed all of the artifacts collected during the field investigation. The primary focus was to define possible associations and relationships of specific features to residential and construction sequences for the occupants of Block 36 through time. Below is a brief summary for each of the project site historic lots.

### Historic Lot 26

Historic Lot 26 was considered sensitive for late 18<sup>th</sup>-early 19<sup>th</sup> century residential resources. Excavation revealed remnants of the former foundation/floor of the 20<sup>th</sup> century parking garage, the late 19<sup>th</sup> century sugar refinery, and the early 19<sup>th</sup> century house that was altered to a commercial building. The house foundation exposed was likely from the 1806 dwelling that Augustus Graham had constructed on Front Street, although the dwelling had been significantly altered in the mid 19<sup>th</sup> century before it was demolished completely. Feature 1, a possible water closet, had been added to the house, likely during the late 19<sup>th</sup> century. No historic ground surface, features, or undisturbed concentrations dating to the late 18<sup>th</sup>-early 19<sup>th</sup> century occupations of the site were still present.

### Historic Lot 27

Historic Lot 27 was considered sensitive for late 18<sup>th</sup> century residential and waterfront resources. Excavation revealed remnants of the foundations of the late 19<sup>th</sup> century sugar refinery and the mid 19<sup>th</sup> century Gutta Percha factory. Throughout the lot, however, modern intrusions have impacted and disturbed any potential 18<sup>th</sup> century resources. The excavation did reveal a stone lined privy that appears to date from the 1806-1840s occupation of the site by Augustus Graham and his evolving household. The examination of the surprisingly small assemblage from the privy reveals that the majority of the artifacts recovered were food-related, specifically ceramics (Appendix 1; Tables 11 and 12).

Table 11. Artifacts by Class from Feature 8 (Historic Lot 27, Trench 27-2)

Class	Type	Quantity
<b>Architectural</b>	Window	10
	Mortar/Plaster	1
	Stone (Marble)	3
<b>Food Related</b>	Glass vessel	38
	Ceramic	131
<b>Food Remains</b>	Bone	33
	Seed	3
	Shell	32
	Fish scale	2
<b>Lighting</b>	Glass	1
<b>Medicinal</b>	Glass	6
<b>Personal</b>	Ceramic (chamberpot)	31
	Shoe (leather)	1
	Kaolin smoking pipe	4
<b>Unaffiliated</b>	Flowerpot	5
	Other	7

The ceramic assemblage contained a number of pearlware (1790-1830) and mochaware (1795-1830) fragments, including a few complete – or almost complete – vessels (Photographs 48 and 49). Although introduced to America in the 1780s, pearlware was a popular import from Britain until the 1830s. The fragments of pearlware that were recovered from the privy in historic Lot 27 were primarily decorated with blue transferprint scenes and handpainted polychrome floral designs that were popular during the first quarter of the 19<sup>th</sup> century (Sussman 1977).

**Table 12. Summary of Historic Ceramics from Feature 8 (Historic Lot 27, Trench 27-2)**

<b>Ware Type</b>	<b>Quantity</b>
Redware	31
Buff Bodied	1
Cream-Colored	3
Pearlware	41
Mochaware	15
Whiteware	26
Other Earthenware	1
Stoneware	1
Porcelain	12

Mocha ware, with its bright colorful designs, was imported from Britain at this time and was an inexpensive decorated ware that was popular in residences and taverns from the 1790s to the mid 19<sup>th</sup> century. The mochaware in the collection was from serving vessels, including several near-complete serving bowls and a pitcher. Redware fragments, also from serving vessels, were also recovered from the privy.

Several fragments of a large bowl with a blue transferprint landscape scene of a man on a horse, a nearby camel, and palm trees were also part of the ceramic assemblage. The vessel had a floral border, a notched rim, and a makers mark on the base stamped "Oriental" inside a cartouche and the initials "WR." Beneath the cartouche were the words "Opaque China." This mark was only used for a short period, from 1830-1834, by William Ridgway. By mid-century, transferprinted whiteware had replaced most other decorated earthenwares for household use.

Two complete dark green wine bottles, dating from the first decade of the 19<sup>th</sup> century were also recovered. In addition, two fragments of an embossed bottle seal "VIN DE GRAVE" with grape clusters were found. This type of seal was typical for bottles that contained imported red wine.

The collection of artifacts from the privy also included a small assemblage of faunal material (Appendix 2). The range of animals includes cow, sheep, fish, and duck. The recovered faunal material shows signs of secondary butchery activity, indicating that they were likely purchased from a butcher and refined for cooking on site. No unusual animal types were represented in the recovered assemblage.

The relatively small collection of artifacts from the privy suggests that the feature was not the households primary refuse receptacle during the period that the privy was in use. This might be due to the fact that the privy was removed from the main house and kitchen or possibly because it was covered shortly after use. Another possible reason is that when the sugar refinery was constructed the upper portion of the privy – which was clearly truncated – contained an equal amount of artifacts that were dispersed into the fill.

## **Historic Lot 14**

Historic Lot 14 was considered sensitive for industrial resources. Excavation revealed that much of the lot had been impacted during repeated demolition and construction episodes, particularly after the ca. 1939 conversion to a storage facility. No evidence of the earliest foundry was identified.

The archaeologists uncovered the partial foundations, walls, and support pads likely associated with the buildings use as a foundry during the early 20<sup>th</sup> century (The Columbia Smelting and Refining Company). Smelting is a process where specific metals are extracted from ore. Typically, smelting uses heat and chemicals to reduce, or removed, any other elements in the ore, leaving just the metal behind. The machinery used to conduct this process was likely a crucible furnace, one of the oldest and simplest types used in foundries. A crucible is a container used to hold the ore and must withstand the extreme temperatures necessary during the smelting process. To melt the metal ore, crucibles were nested on metal stands within the furnace. During the process, the crucibles are heated using coke, oil, gas or electricity. This type of furnace was common for producing aluminum, bronze, and brass castings.

Broken pieces of the various foundry equipment (e.g., crucible) and furniture (e.g., furnace stand) were identified within the mixed debris of the demolished foundry structure. There are two basic crucible shapes – the bilge shape and the “A” shape. The type of crucible recovered from historic Lot 14 was an “A” shape. Evidence of mold material (“green sand”) was also noted in the field. Defective and discarded castings as well as fragments of metal possibly used to support crucibles, were also identified in the demolition debris. Numerous flat metal rings were also noted during the excavation of Trench 14-1. Research indicates that these rings might have been part of an old road scraper or leveler. Prior to the use of asphalt for road paving, numerous rings would be assembled on a large axle, which would be dragged by horses or a steam roller across a roadbed in order to level, or smooth, the surface. The center rod or axle was usually set at an angle (not perpendicular) to the direction of the road (Stewart, personal communication).

## **Historic Lot 23**

Historic Lot 23 was considered sensitive for late 18<sup>th</sup>-early 19<sup>th</sup> century residential resources. Excavation revealed remnants of the former foundation/floor of the 20<sup>th</sup> century parking garage and large footings for that structure. The foundation for the former dwelling on this lot was no longer present due to the installation of the large concrete footing for the garage. The examination of the rear yard identified several 19<sup>th</sup> century features: the cistern (Feature 11) and five refuse pits (Features 14-18). The cistern appears to date to the mid – late 19<sup>th</sup> century. Research indicates that Thomas Titus, a merchant, and his family occupied the residence by 1849. It appears that Titus died by 1860 when the house was sold by real estate executors and advertisements indicate that the property was available for boarders. Records indicate that only short-term residents were present on the site during the late 19<sup>th</sup> century. It is likely that the Titus family had the cistern installed during their tenure on the property. A second possible construction date would be 1860 when the house was converted to a boarding facility and the new property owner required a source of water for a large number of boarders. A summary of the artifacts and the ceramics recovered from the cistern are presented in Tables 13 and 14.

The most abundant class of artifact recovered was food-related, particularly ceramics, with heavy emphasis on whiteware. Most of the whiteware was blue transferprint ironstone and several of the fragments had marks dating from the 1850s (Appendix 1). They include: "...D & CLARK" (Bridgwood & Clark, Burslem, 1857-64); "OPAQUE/JOHN MADDOCK/CHINA (1850s); a possible impressed registration mark from Wedgwood & Co (Enoch, not Josiah); an impressed "IRONSTONE/ .../CHINA"; registration mark (dating between 1842-1883); and, an impressed mark "T&H.../SYDENHAM SH..." (T&H Boote, 1854).

The collection of artifacts from the cistern also included a large assemblage of food remains. The range of animals represented by the recovered faunal material includes cow, sheep, pig, fish, turkey, and goose (Appendix 2). The recovered faunal material also shows signs of secondary butchery activity, indicating that the initial cuts of meat were likely purchased from a butcher and refined for cooking on site. The bones recovered were not buried quickly, but were instead exposed to carnivore activity with several exhibiting gnaw marks.

**Table 13. Artifacts by Class from Feature 11 (Historic Lot 23, Trench 23-2)**

<b>Class</b>	<b>Type</b>	<b>Quantity</b>
<b>Architectural</b>	Window	32
	Brick	1
	Nail	4
	Mortar/plaster	1
	Coat Hook	14
	Other	2
<b>Food Related</b>	glass	50
	ceramic	143
<b>Food Remains</b>	Bone	33
	shell	22
<b>Lighting</b>	glass	53
<b>Medicinal</b>	Glass	8
<b>Personal</b>	Ceramic (chamberpot)	17
	shoe (leather)	7
	kaolin smoking pipe	10
	figurine	8
	doll/toy	4
	button	2
slate pencil	5	
<b>Unaffiliated</b>	Flowerpot	2
	Other	73

**Table 14. Summary of Historic Ceramics from Feature 11 (Historic Lot 23, Trench 23-2)**

<b>Ware Type</b>	<b>Quantity</b>
Redware	1
Buff Bodied	2
Cream-Colored	3
Yellowware	9
Whiteware	106
Rockingham	1
Other Earthenware	1
Stoneware	6
Porcelain	9

In addition to the cistern, a number of refuse pits containing artifacts dating from the mid-late 19<sup>th</sup> century were revealed during the excavation (Appendices 1-3). It is likely that these pits were dug and filled by one of the many boarders residing on the property. One of the refuse pits, Feature 18, contained a small collection of artifacts that included a significant number of assemblage of food remains. The range of animals represented by the recovered faunal material includes cow, sheep, pig, fish, turkey, chicken, and duck (Appendix 2). In addition, non-food bone fragments from a cat and a rat were also noted. Similar to the faunal material recovered from the other features on site, this assemblage also shows signs of secondary butchery activity, indicating that the initial cuts of meat were likely purchased from a butcher and refined for cooking on site. In addition, the bones recovered were not buried quickly, but were instead exposed to carnivore activity with several exhibiting gnaw marks.

## **Historic Lot 22**

Historic Lot 22 was considered sensitive for late 18<sup>th</sup>-early 19<sup>th</sup> century residential resources. Excavation revealed remnants of the former foundation of the Sands house (Feature 12) as well as three mid-19<sup>th</sup> century refuse pits (Features 13, 22, and 23). The archaeologists recorded the Sands foundation remnants during the field investigation (see Figures 12 and 13; Photographs 34-40). The Sands house was described as a

handsome frame mansion about fifty feet square, and furnished it with remarkable elegance, for that day. This house, situated on the north side of Front Street, about 100 feet east of Dock Street (his coach-house and stables being on the opposite side of Front Street), was the largest in the village at the time, and was surrounded by a fine garden, which extended to the river. It subsequently came into the possession of John B. Cazeaux, who, in 1824, converted it into two dwellings, one remaining as No. 25 Front Street (Hubert 1980).

Research found that the eastern portion of the Sands mansion on historic Lot 22 was the last domestic building to survive within the project APE. According to a newspaper article, the Sands house was once “an architectural gem in the midst of drab squalor” (*Brooklyn Daily Eagle* 7/1/1945) (Figure 16). Dwellings are often subjected to numerous alterations and changes in order to create and/or recreate new living space over time. Tracing the history of alterations to a standing building can often help determine the layers of occupation. Once the superstructure is removed, however, the foundation often is the only “artifact” that can offer information on past occupants. The remaining portions of the Sands foundation indicate that although the building had been adapted for several modern utility installations, portions of the foundation remained intact since the original 18<sup>th</sup> century construction. The stones in a section of the intact historic foundation were numbered (Photograph 38) and retained for incorporation into the completed site for the historical interpretation of the property.

In addition to the Sands house foundation, three refuse pits were identified on historic Lot 22. The refuse pits contained domestic trash dating to the time period following the Sands family occupation of the site (Appendix 1). It is possible that they could be associated with the Abbott and/or Patchen occupation of the former Sands house.

## Historic Lot 21

Historic Lot 21 was considered sensitive for late 18<sup>th</sup>-early 19<sup>th</sup> century residential resources. Excavation revealed remnants of the former foundation (with a full filled basement) of the house that had been after the division of the Sands estate (Feature 20) as well as a mid-late-19<sup>th</sup> cistern (Features 21). The cistern appears to have been filled in a single episode with ashy sand and an assemblage of domestic artifacts (Appendix 1 and Appendix 2). Table 15 identifies the recovered artifacts by class.

Unlike previous features found on the project site, ceramics were not the most prevalent artifact. Instead, bottle glass (food-related and medicinal) comprised the majority of the collection. The examination of the bottles indicates that the assemblage from the cistern fill dates from the late 19<sup>th</sup> to the turn of the 20<sup>th</sup> century (Appendix 1).

**Table 15. Artifacts by Class from Feature 23 (Historic Lot 21, Trench 21-1)**

<b>Class</b>	<b>Type</b>	<b>Quantity</b>
<b>Architectural</b>	Window	1
	Tile	2
<b>Food Related</b>	glass	72
	ceramic	38
	organic (cork)	1
<b>Food Remains</b>	Bone	33
	shell	22
<b>Lighting</b>	glass	2
<b>Medicinal</b>	Glass	34
<b>Personal</b>	shoe (leather)	16
	kaolin smoking pipe	4
	bottles	7
	slate pencil	6
	felt hat	1
	other	3
<b>Unaffiliated</b>	Other	14

The small collection of artifacts from the cistern also included a few fragments of food remains from cow, pig, and chicken (Appendix 2). It is possible that the feature was originally installed by the Patchen family and later filled with refuse associated with multiple residents after the house was divided into apartments.

## VI. CONCLUSIONS AND RECOMMENDATIONS

Eleven test trenches were excavated during the archaeological examination of the Dock Street project site. Testing confirmed the presence of a significant fill/building demolition layer in this location above the former 18<sup>th</sup> and 19<sup>th</sup> century building foundations, middens and shaft features. The archaeologists working on the project site discovered 23 features that date from the late 18<sup>th</sup> - 20<sup>th</sup> centuries. However, the investigation did reveal that the introduction of the 20<sup>th</sup> century parking garage on Front Street and the commercial building on Water Street clearly obliterated all of the 18<sup>th</sup> century Sands estate buildings and/or features. The one exception was the foundation for the Sands house, portions of which were still *in situ* (see Figures 4, 13, and 16).

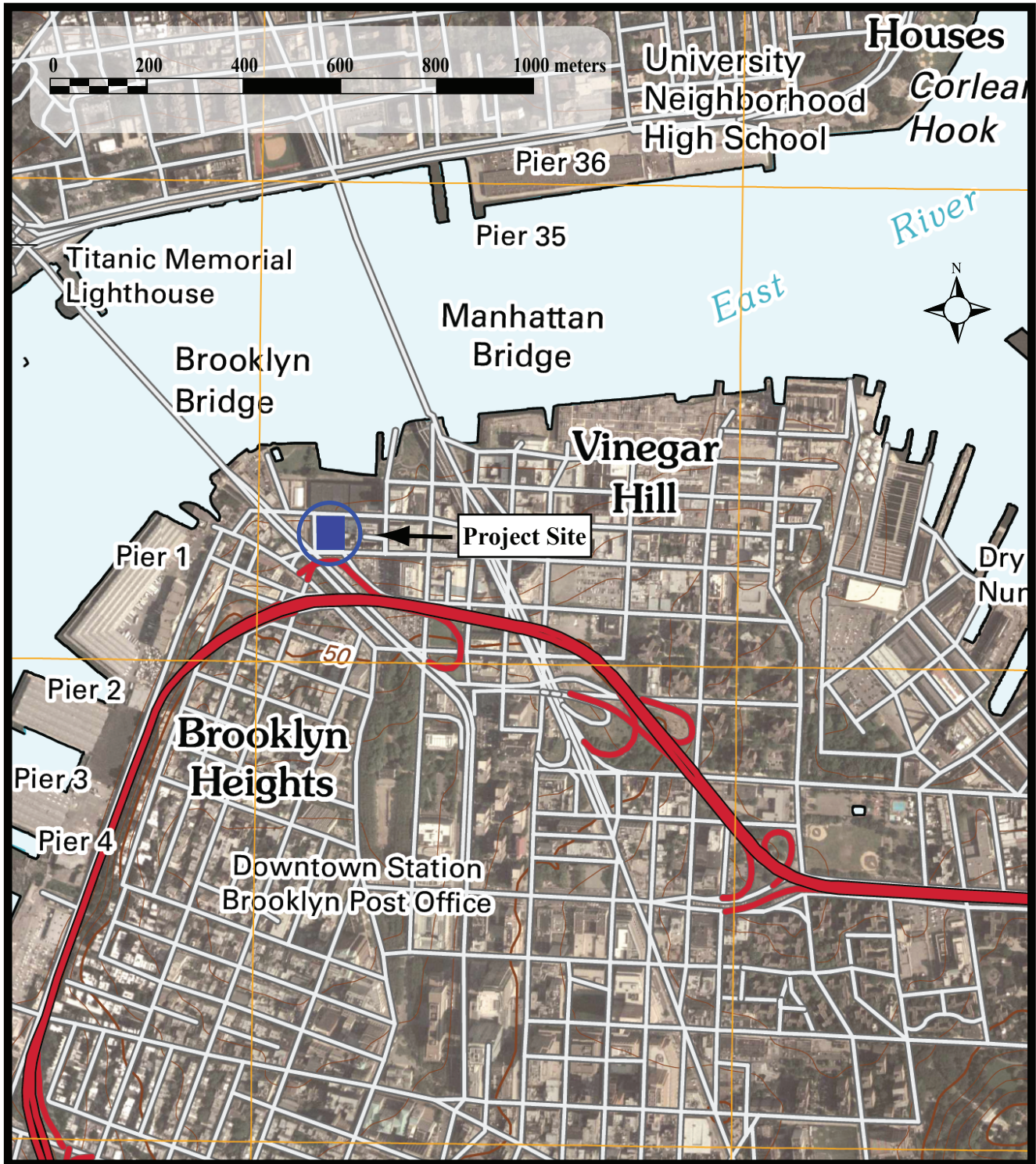
As noted in the Documentary Study and in this report, the prominent Sands house foundation was composed of fieldstone and shell mortar (2003; Photograph 34). HPI archaeologists photographed and numbered the stones from a section of the foundation prior to removal and storage on site by Two Trees Management (Photograph 38). HPI recommends incorporation of the recovered stones from the Sands house foundation into a public area of the proposed building as well as an interpretive panel on Joshua Sands and the history of the project block.

The investigation of the historic lots within Block 36 was extensive and clearly identified several features present within the limited windows afforded by the deep impacts to the property during the 20<sup>th</sup> century. Although severely impacted and truncated by 20<sup>th</sup> century construction activities, the remaining portions of a privy (early 19<sup>th</sup> century) and two cisterns (mid-19<sup>th</sup> century) did produce limited artifact assemblages relating to occupants of the block. The refuse pits identified also included a range of domestic materials from the mid 19<sup>th</sup> century (Appendix 1). Although not completely representative of the breadth of the Dock Street neighborhood, the artifact assemblage covers various resources and time periods. The collection would provide an informative historical resource or display for students attending the future school on this block.

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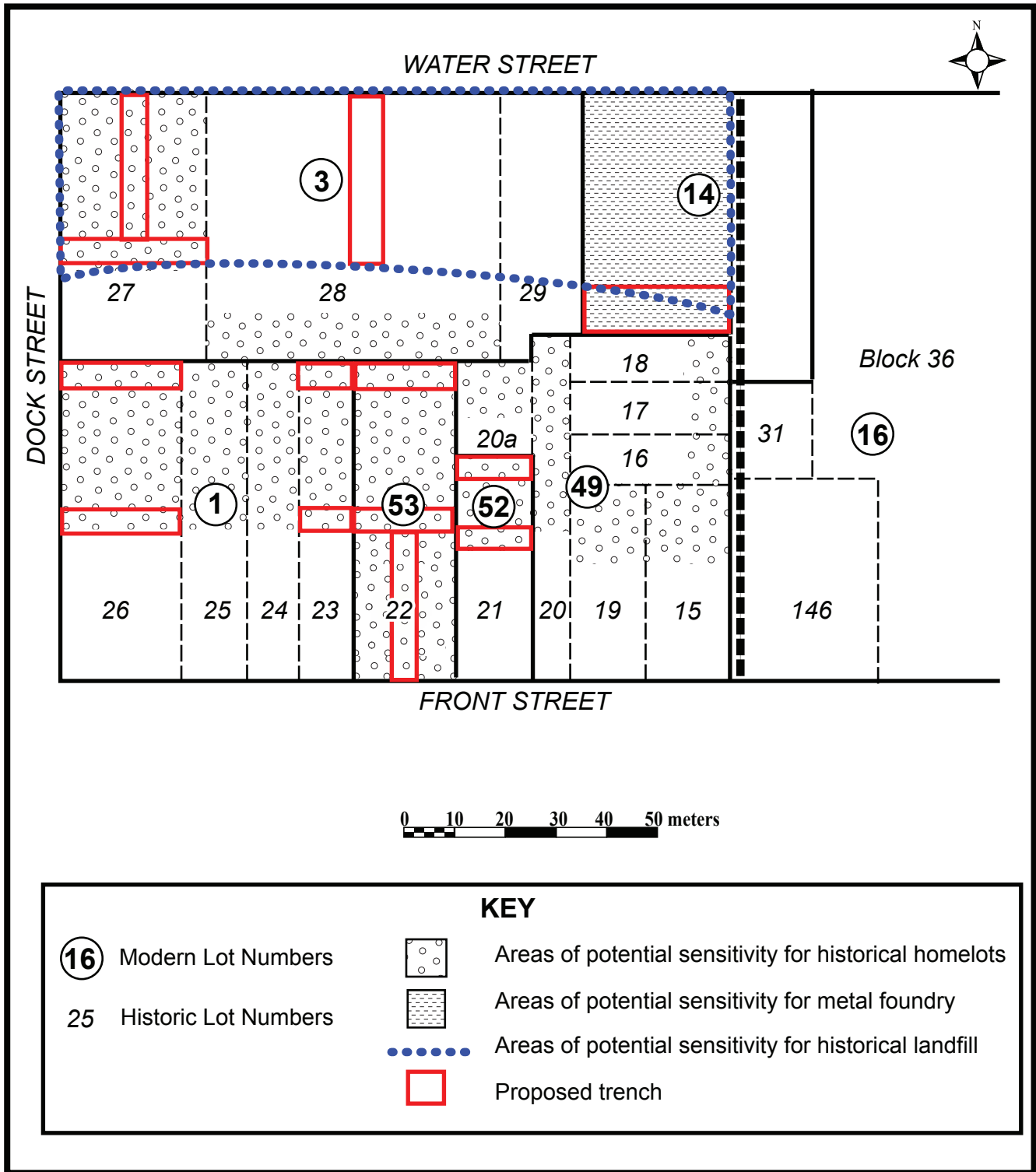




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**Brooklyn, New York**



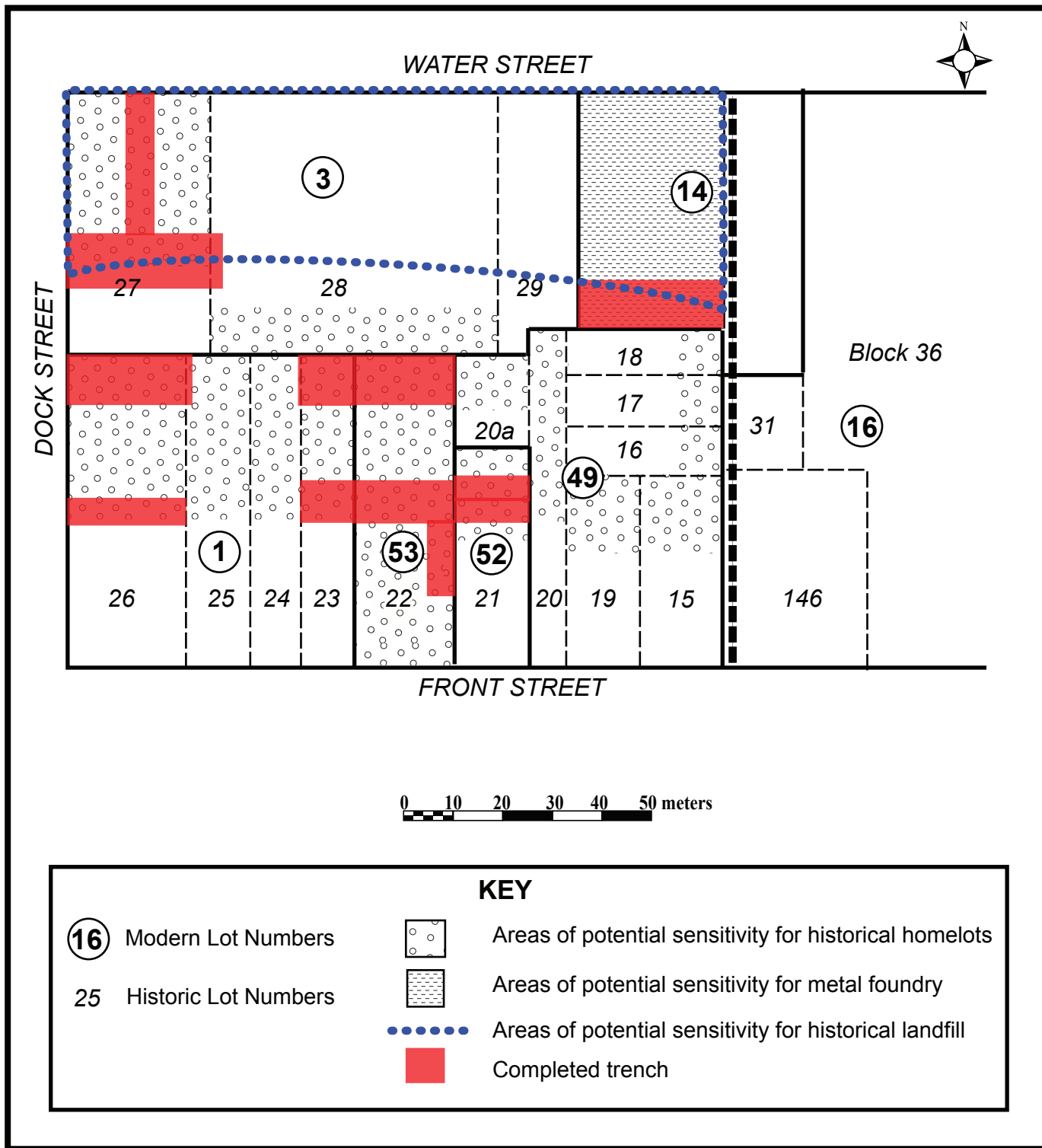
**Figure 1: Project site on *Brooklyn, N.Y.* 7.5 Minute Quadrangle (USGS 2010).**



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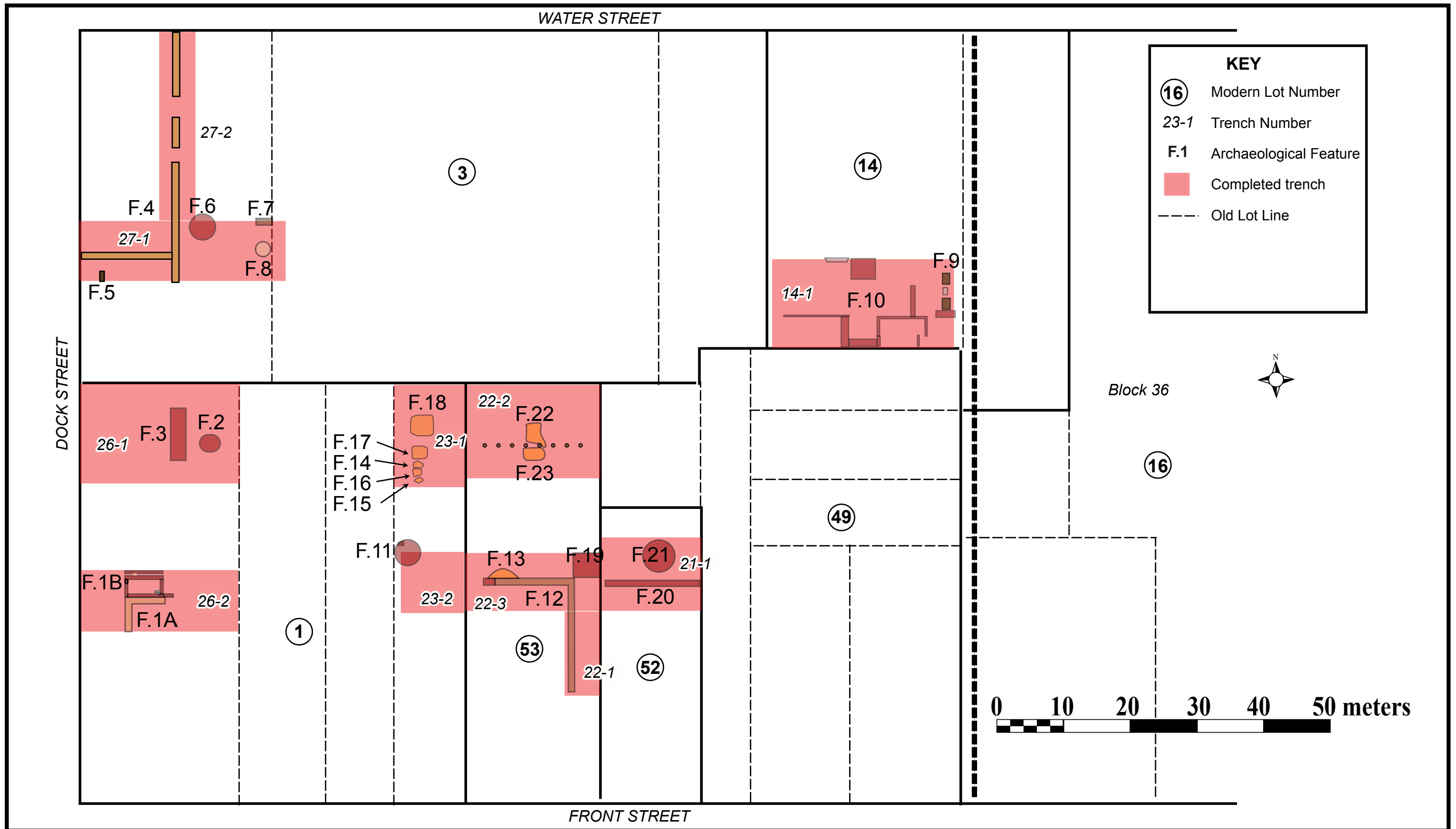
**Figure 2: Pre-Excavation Plan Showing Proposed Trenches.**



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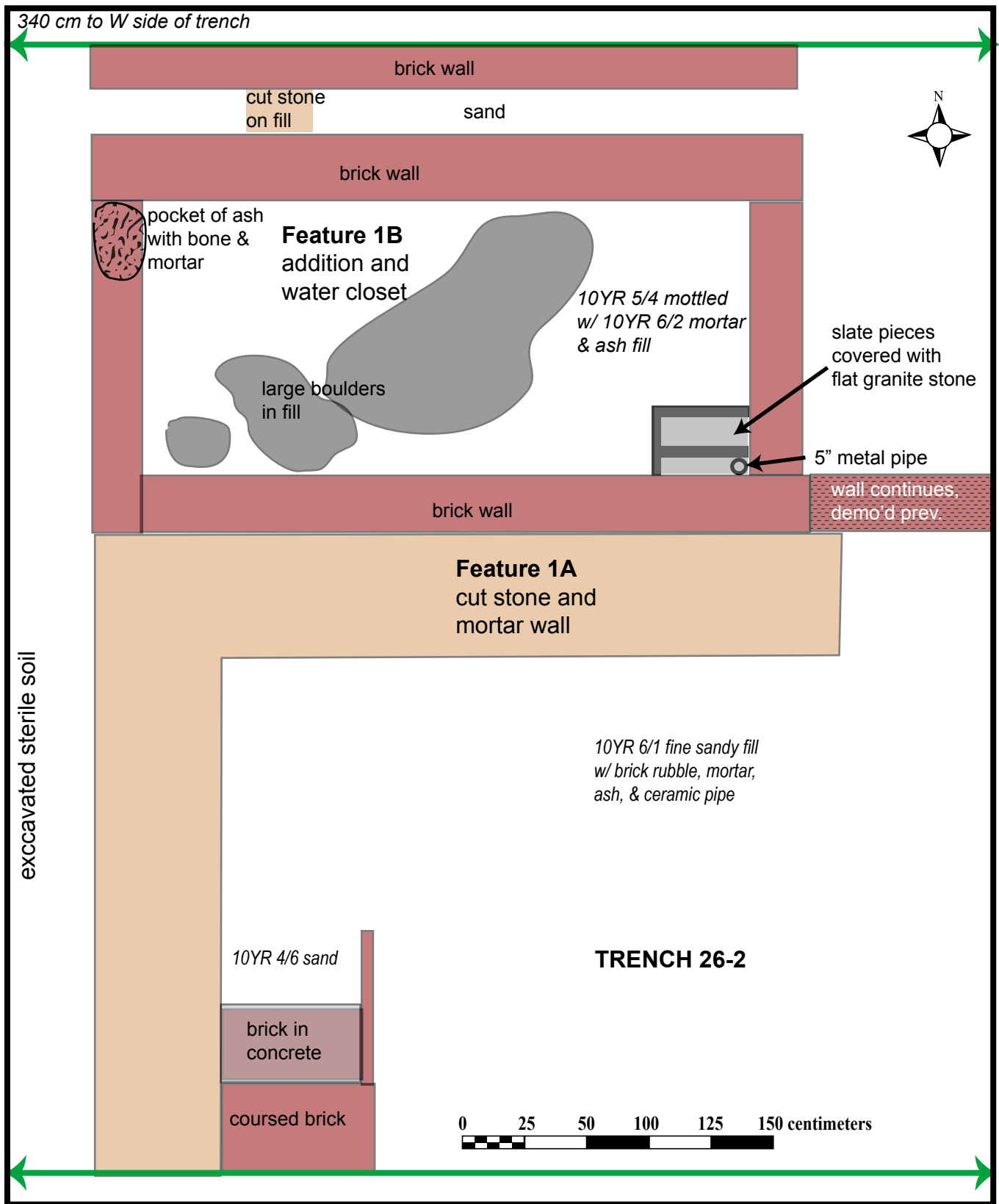
**Figure 3: Plan Showing Completed Archaeological Trenches.**



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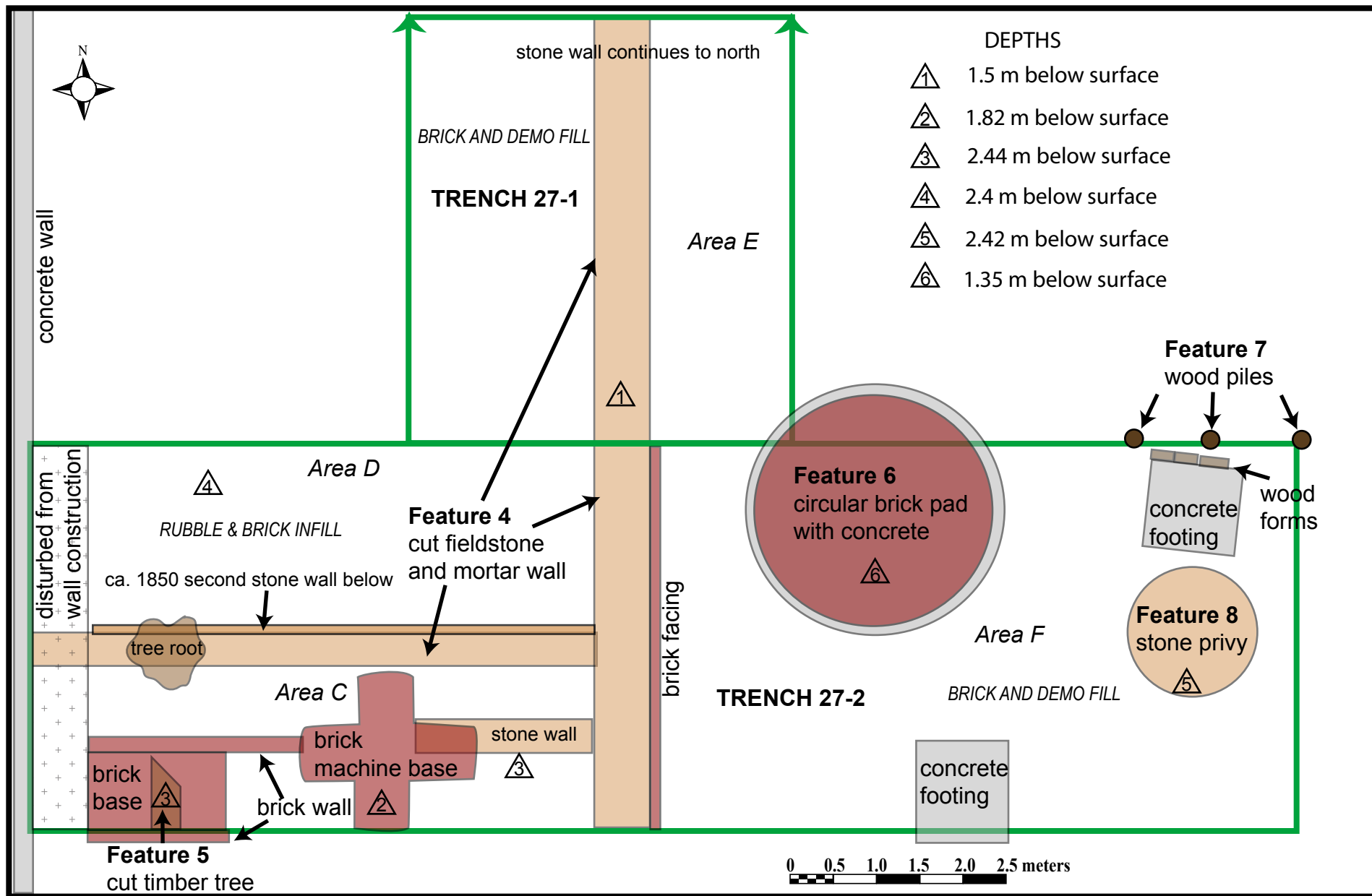
**Figure 4: Plan Showing Archaeological Features**



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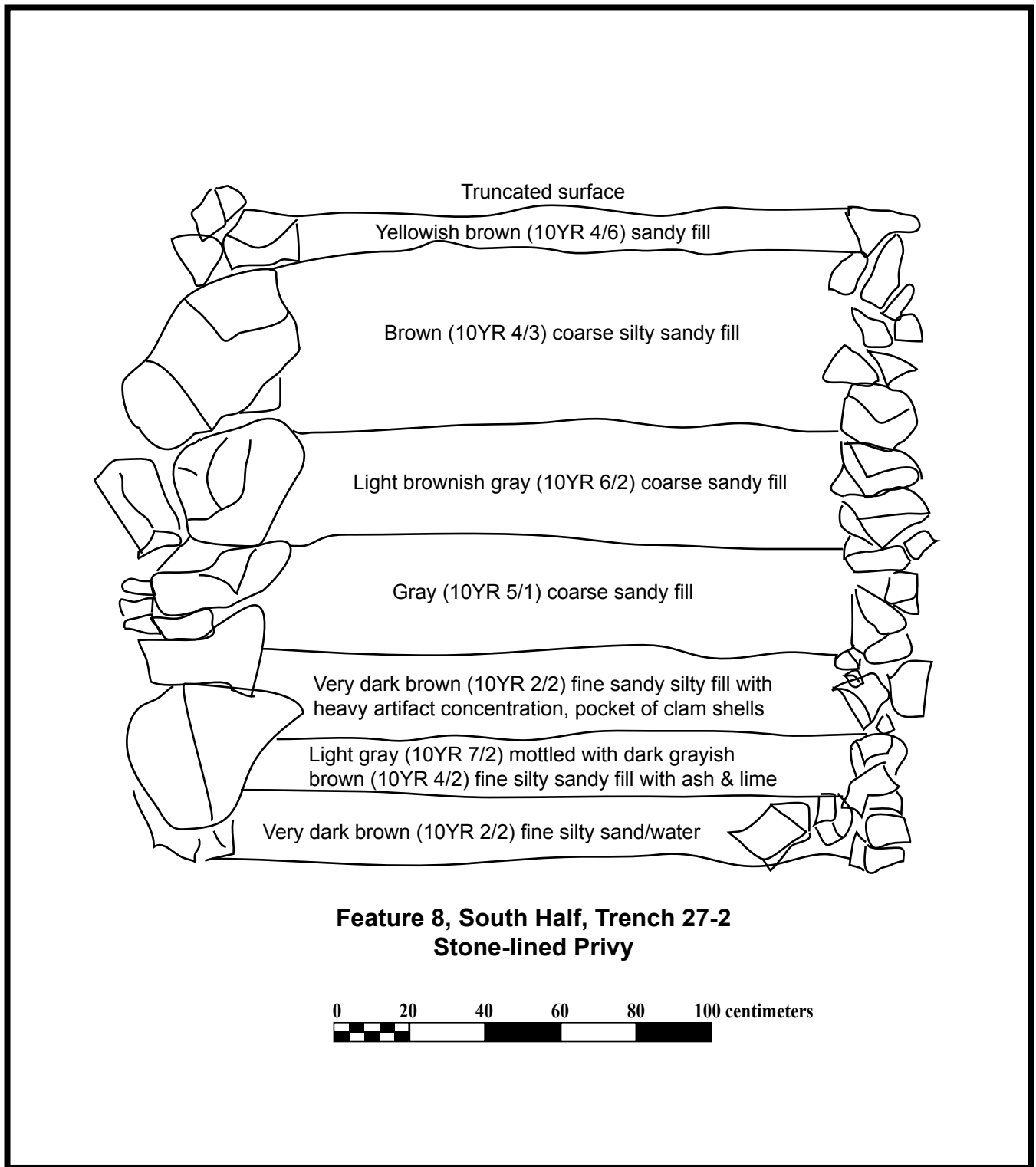
**Figure 5: Plan of a Portion of Trench 26-2, Showing Features 1A and 1B.**



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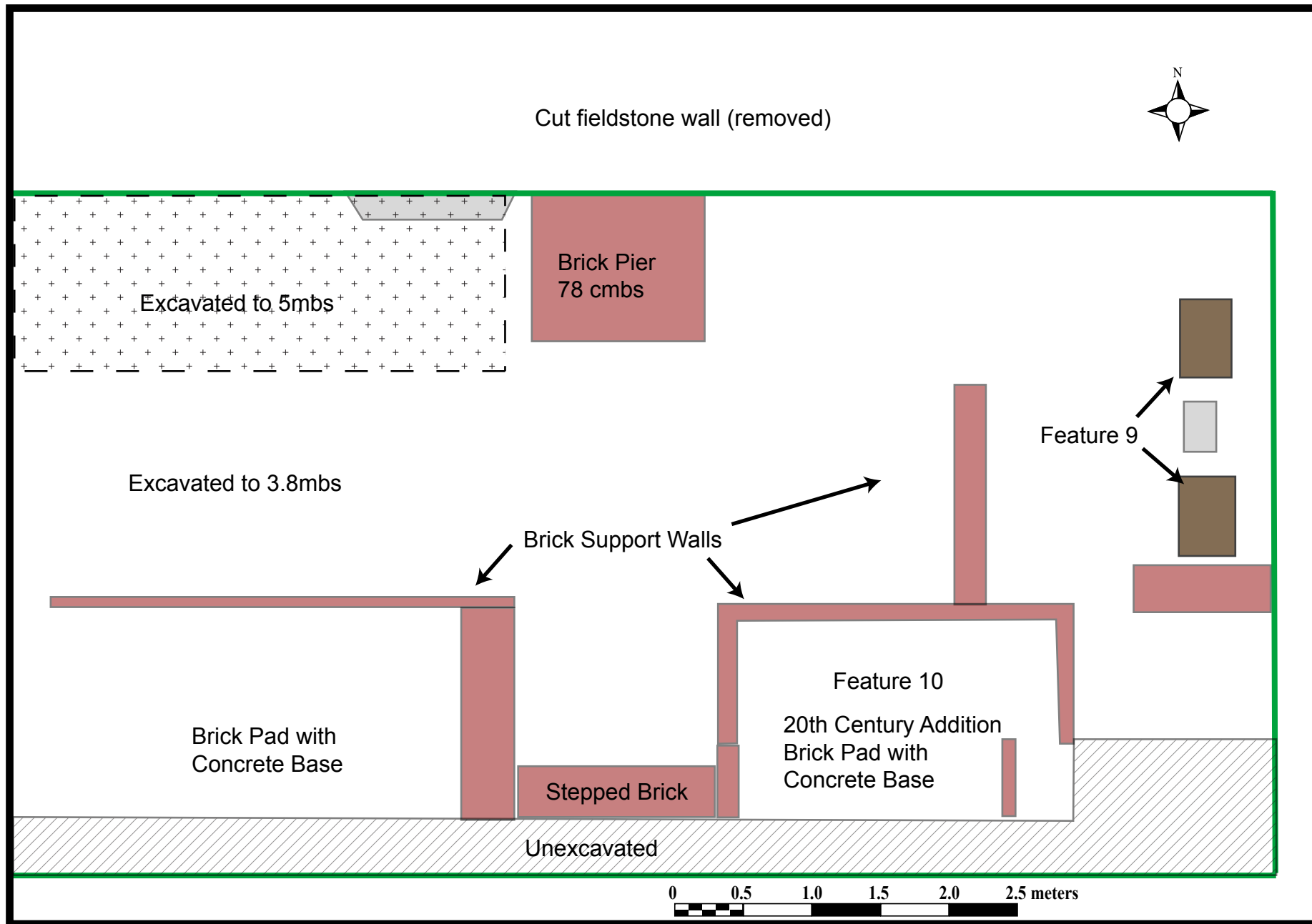
Figure 6: Plan of Trenches 27-1 and 27-2, Showing Features 4-8.



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**Figure 7: Profile of Feature 8, Trench 27-2.**

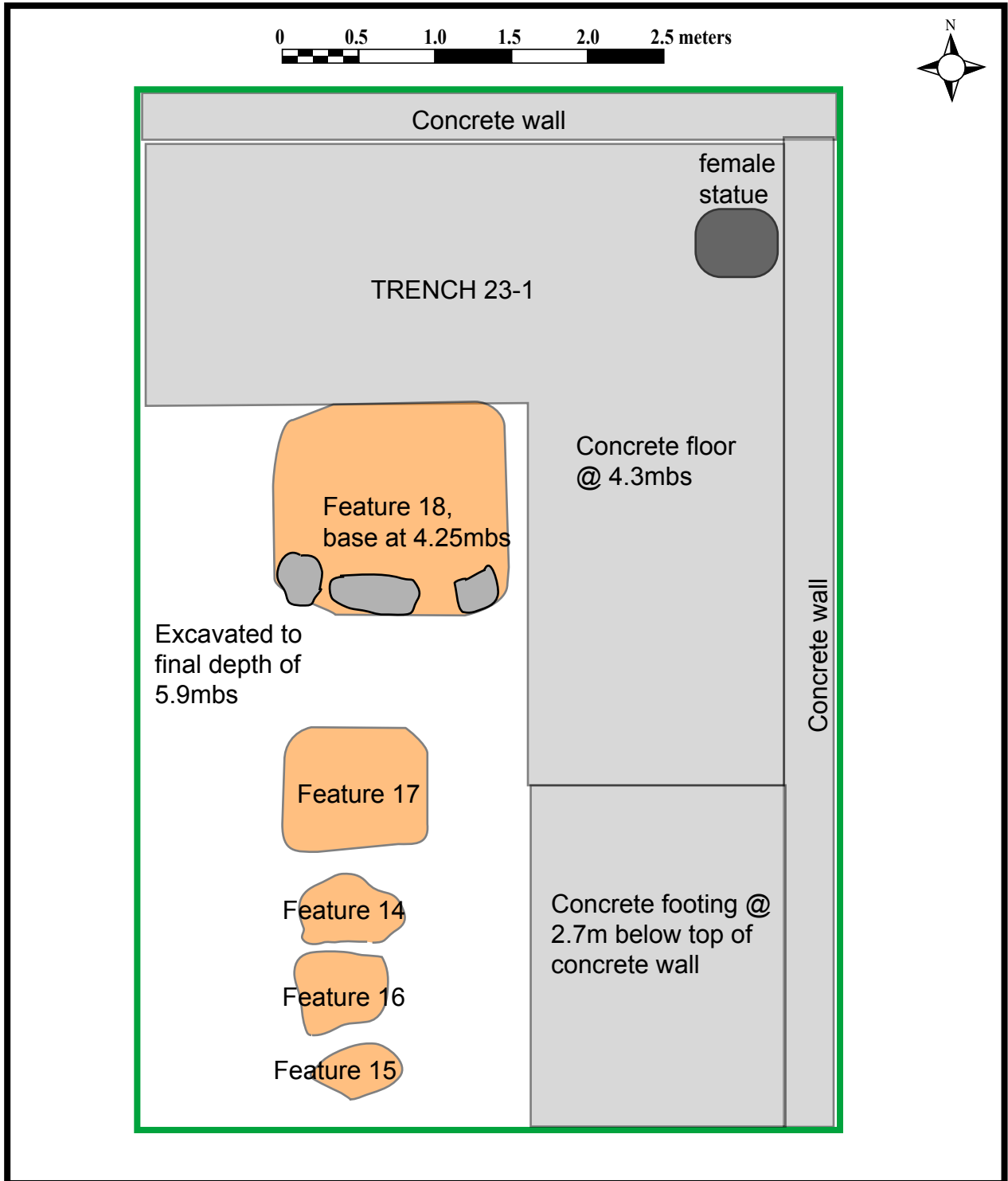


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Figure 8: Plan of Trench 14-1, Showing Features 9 and 10.

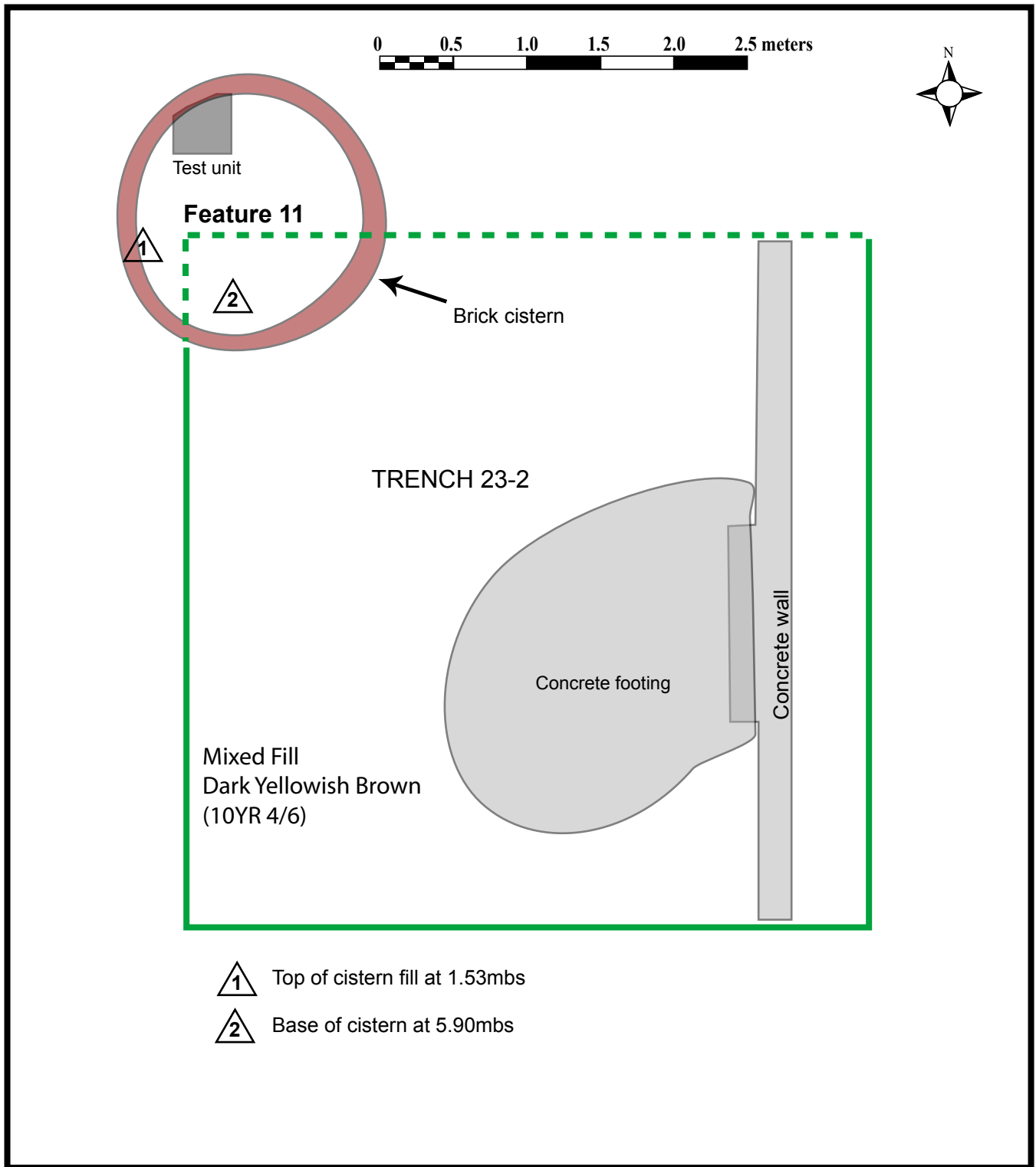




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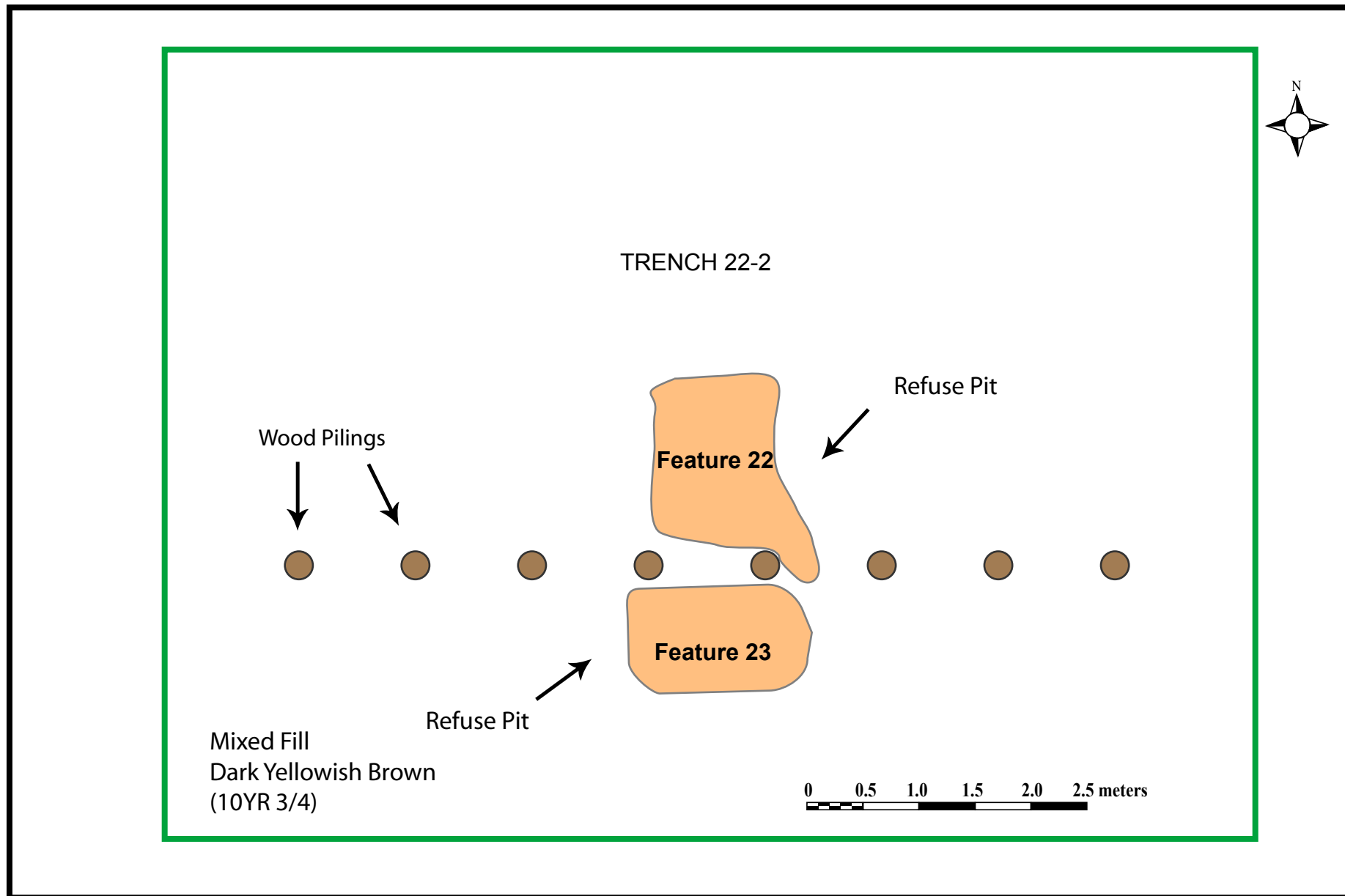
Figure 9: Plan of Trench 23-1, Showing Features 14-18



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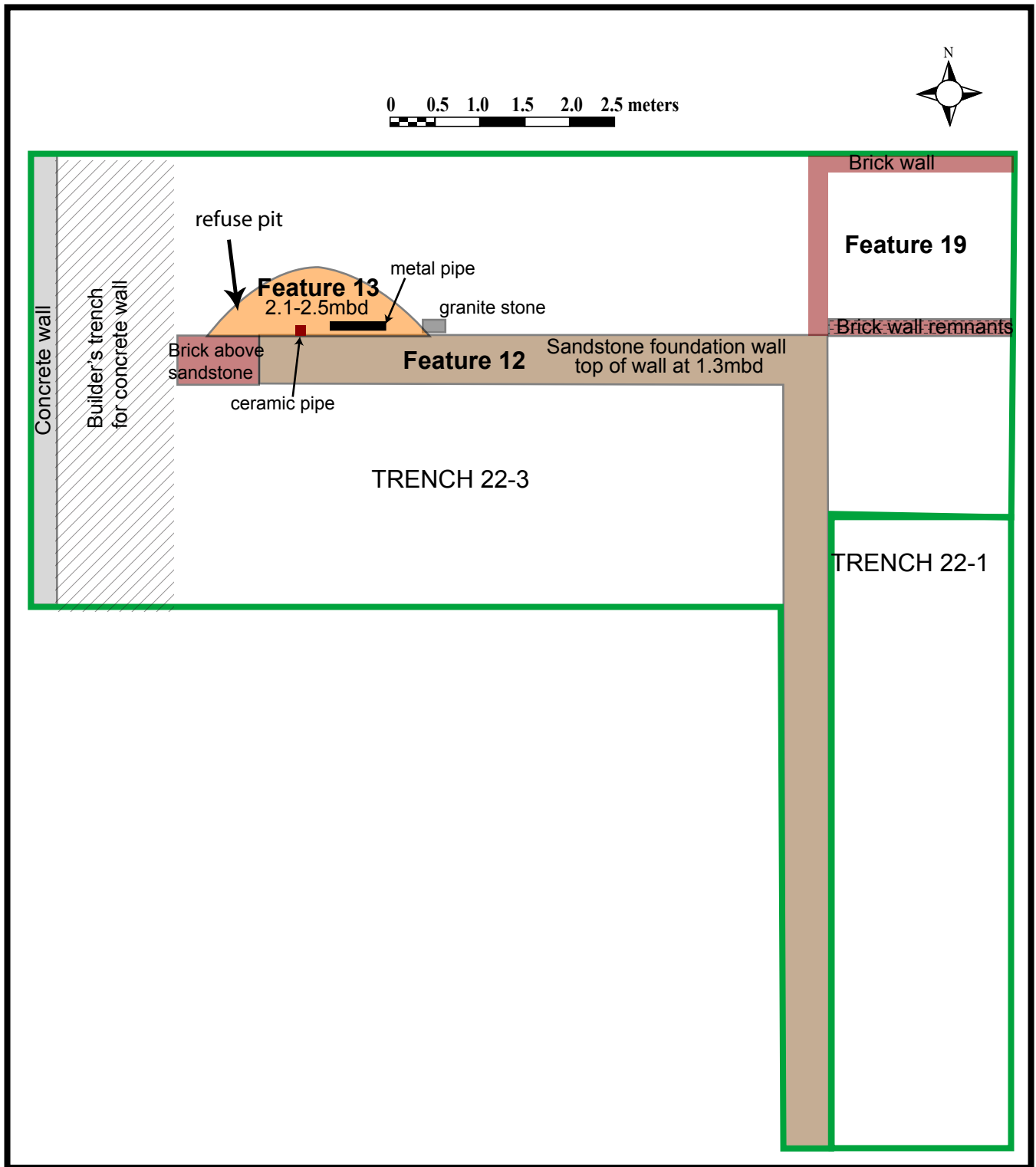
Figure 10: Plan of Trench 23-2, Showing Feature 11.



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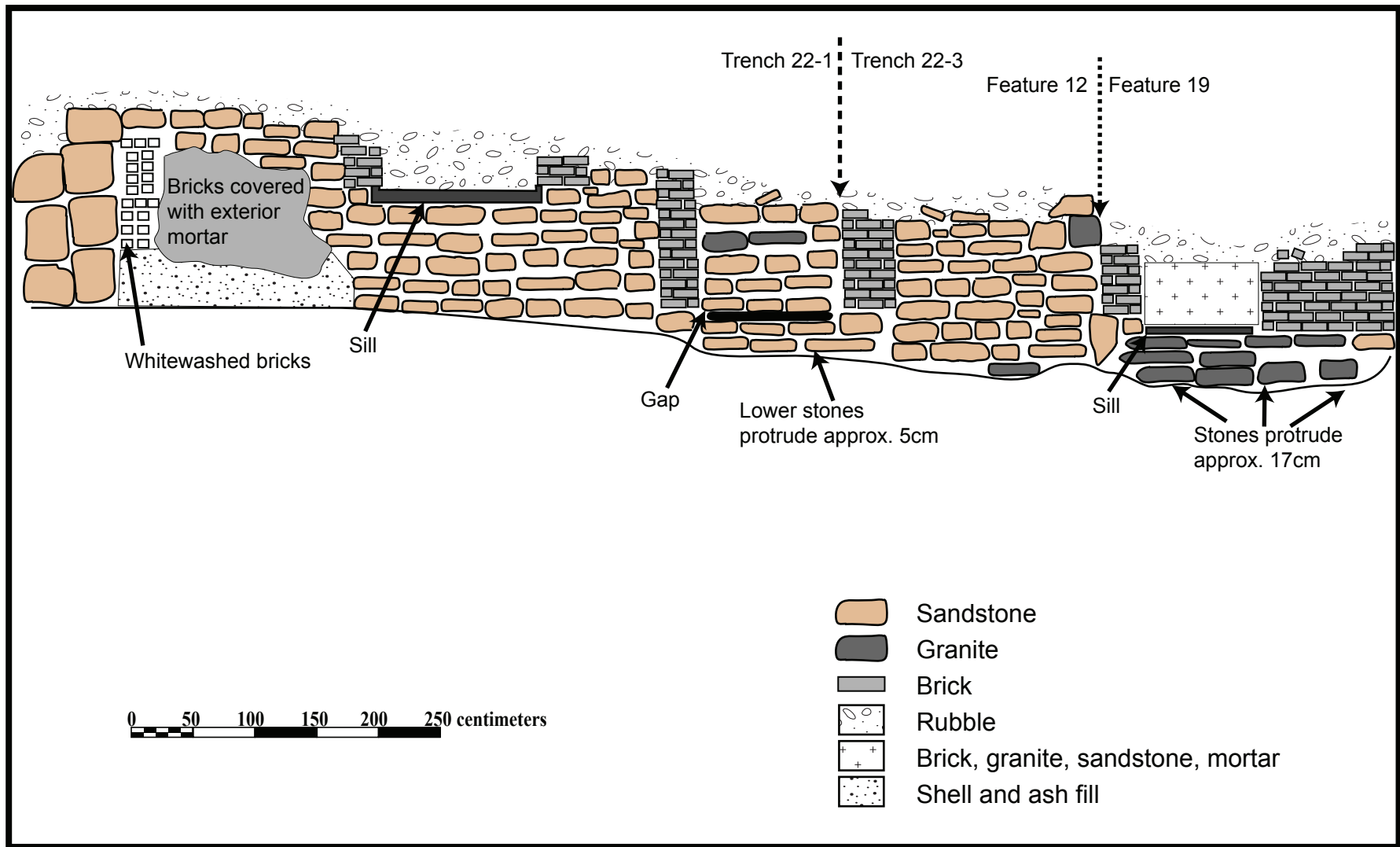
Figure 11: Plan of Trench 22-2, showing Features 22 and 23.



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Figure 12: Plan of Trenches 22-1 and 22-3, Showing Features 12, 13, and 19.



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Figure 13: Profile of East Wall of Trenches 22-1 and 22-3 (Features 12 and 19).



**Photograph of Sands House in 1923**

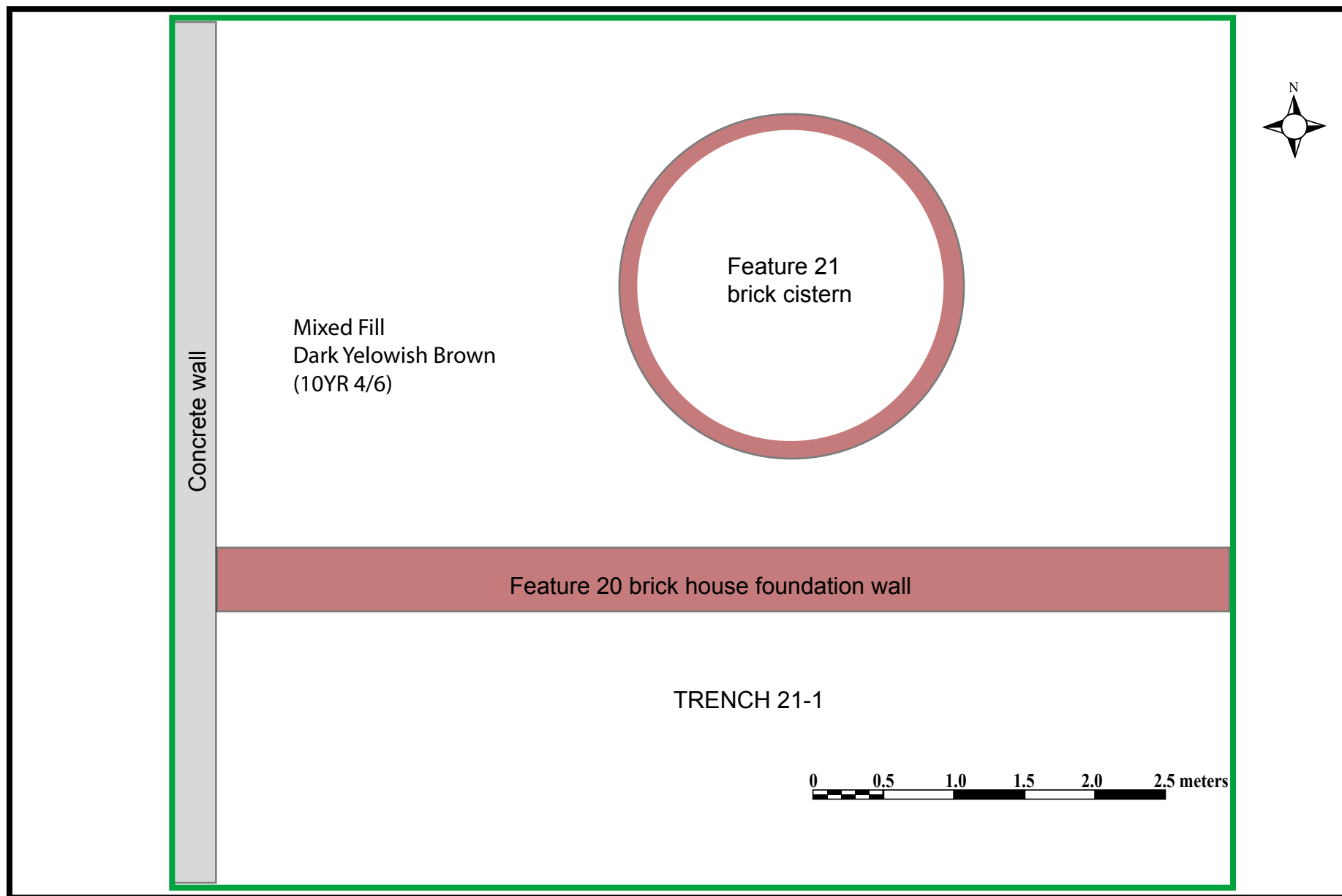


**Photograph of Sands House in 1923**

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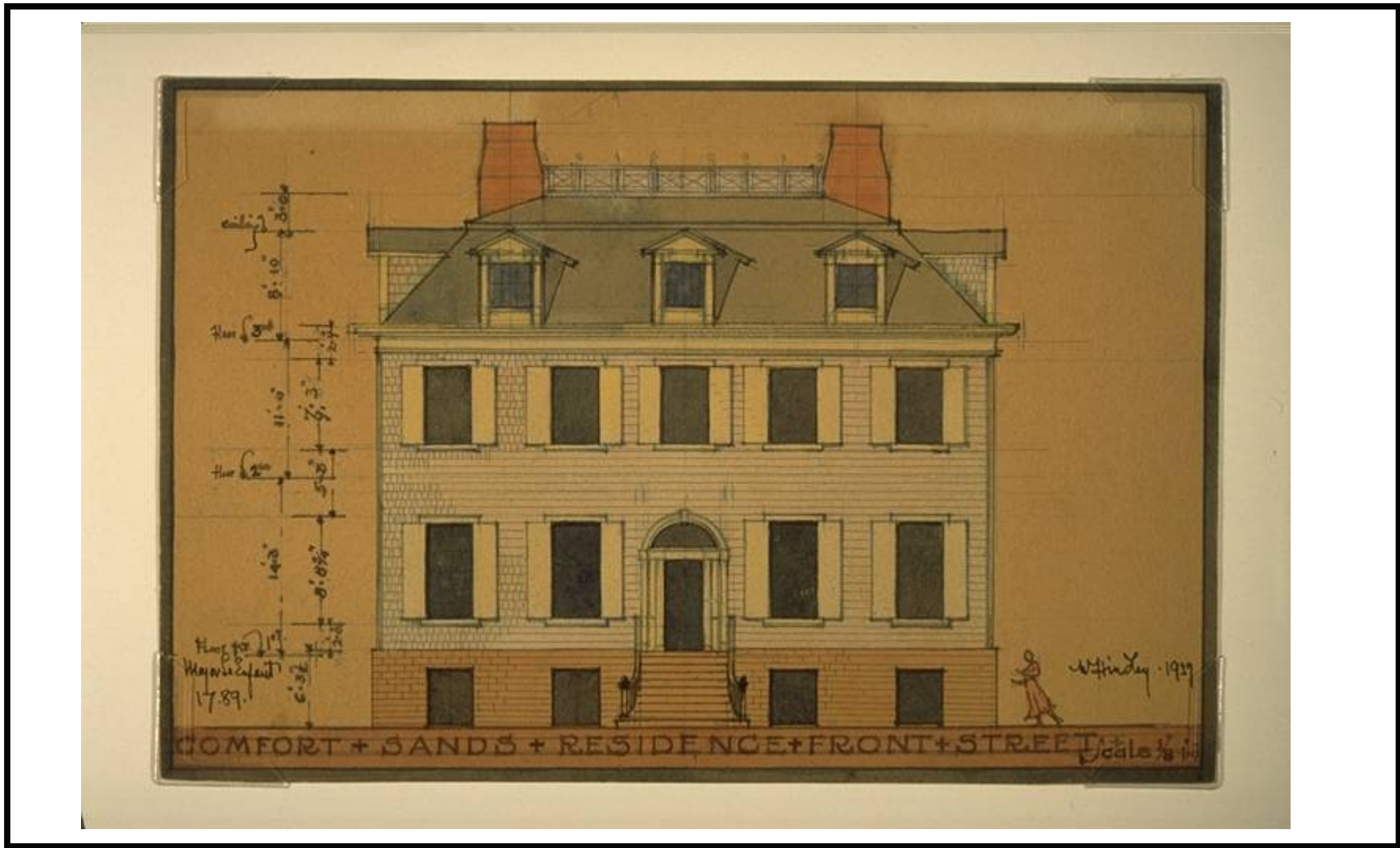
**Figure 14: Historic Photographs, Joshua Sands House, 1923 (NYPL).**



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**Figure 15: Plan of Trench 21-1, showing Features 20 and 21.**



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Figure 16: Comfort and Joshua Sands Mansion (Brooklyn Historical Society).



DOCK STREET PHOTOGRAPHS



Photograph 1. Trench 26-2, Stone Foundation and Feature 1, looking south.



Photograph 2. Trench 26-2, Feature 1, looking north. Drain is located at left.



Photograph 3. Trench 26-2, Feature 1, following the bisection of the feature.



Photograph 4. Trench 26-1, Feature 2, looking northeast.



Photograph 5. Trench 26-1, Feature 3 footing.



Photograph 6. Trench 26-1 expansion, Feature 3, looking north.



Photograph 7. Trench 26-1 expansion, showing the edge of the concrete and brick floor (Feature 3). Several indentations were noted where support columns once stood.



Photograph 8. Trench 26-1, Feature 3 exposed in trench wall.



Photograph 9. Trench 27-1, Feature 4, looking south.



Photograph 10. Trench 27-1, Feature 4, looking west.



Photograph 11. Trench 27-1, Feature 4, stone wall, looking west.





Photograph 12. Trench 27-1, Feature 4, looking east.



Photograph 13. Trench 27-2, Feature 4, south wall, Area D, looking south.



Photograph 14. Trench 27-2, Feature 5, Area C.



Photograph 15. Trench 27-2, Feature 6, Circular Brick and Concrete Machine Pad, looking north.



Photograph 16. Trench 27-2, Feature 7, Area F, looking north.



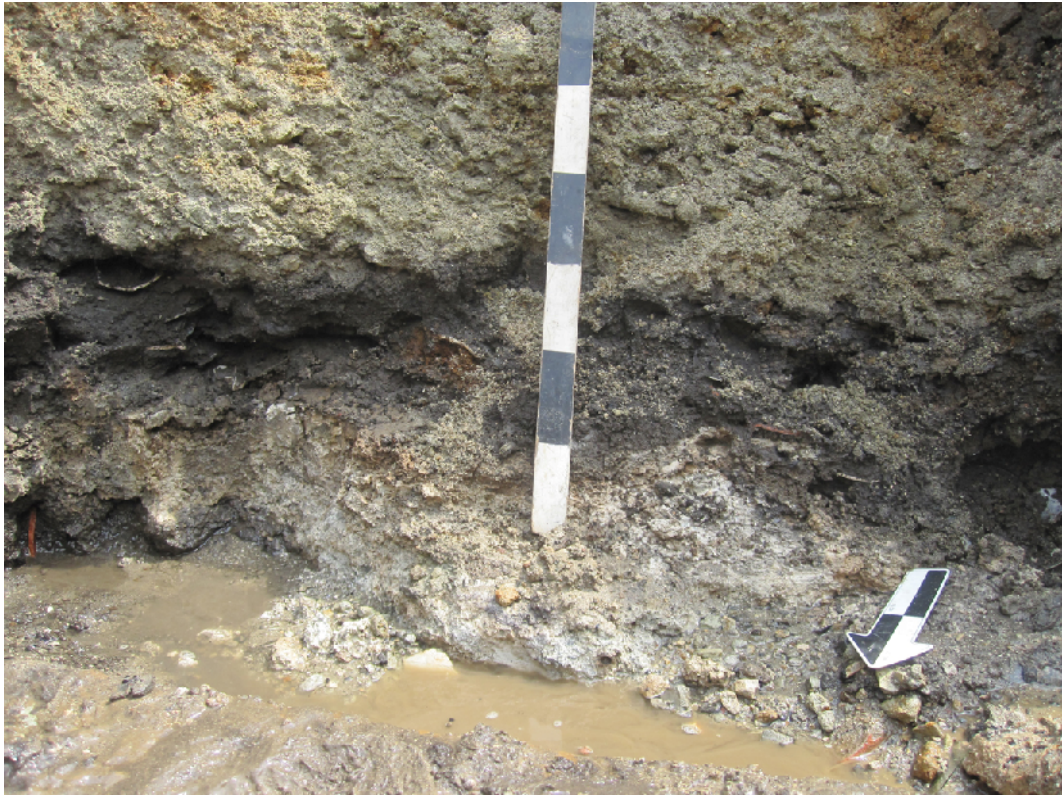
Photograph 17. Trench 27-2, Feature 8, following bisection, looking south.



Photograph 18. Trench 27-2, Feature 8, looking south.



Photograph 19. Trench 27-2, Feature 8 interior, looking southeast.



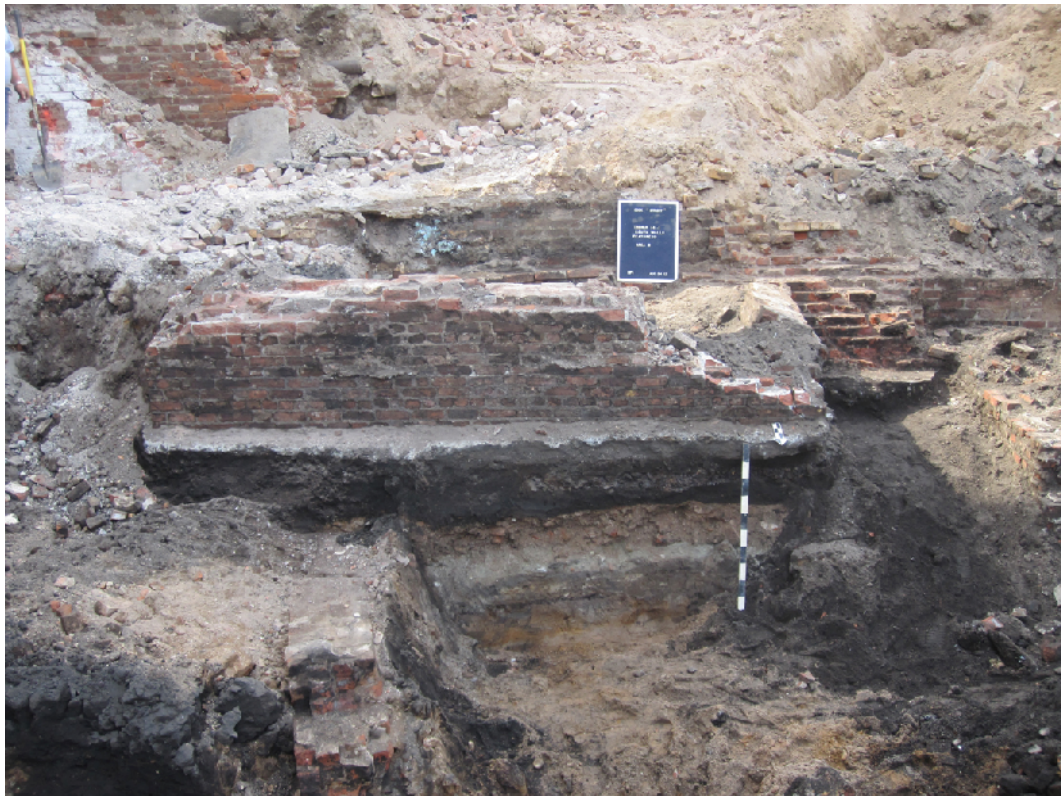
Photograph 20. Trench 27-2, Feature 8, near base of privy, looking south.



Photograph 21. Trench 27-2, Feature 8, planks from possible privy cover.



Photograph 22. Trench 14-1, Feature 9, wood floor supports, looking west.



Photograph 23. Trench 14-1, Feature 10, Area A, looking south.





Photograph 24. Trench 14-1, Feature 10, south wall, looking south.



Photograph 25. Trench 14-1, metal rings.



Photograph 26. Trench 14-1, Stone Crucible.



Photograph 27. Trench 23-1, Feature 14, looking north.



Photograph 28. Trench 23-1, Feature 15, looking east.



Photograph 29. Trench 23-1, Feature 16, looking west



Photograph 30. Trench 23-1, Feature 18, looking south.



Photograph 31. Female Statue from Trench 23-1.



Photograph 32. Trench 23-2, Feature 11, west wall of cistern, looking west.



Photograph 33. Trench 23-2, Feature 11, after excavation looking west.



Photograph 34. Trenches 22-3 and 22-1, Features 12 and 19, Sands House foundation and addition, looking southwest.



Photograph 35. Trench 22-3, Feature 12, looking south.





Photograph 36. Trench 22-3, Features 12 (Sands House foundation wall) and 13 (ash pit), looking south.



Photograph 37. Trench 22-3, Feature 12, looking west.



Photograph 38. Trench 22-3, Feature 12, showing numbered stones.



Photograph 39. Trenches 22-3 and 22-1, Feature 19 and northeast corner of Feature 12, looking west.



Photograph 40. Trenches 22-3 and 22-1, Features 12 and 19, looking southwest.



Photograph 41. Trench 22-2, billboard base and pile cap.



Photograph 42. Pile cap.



Photograph 43. Trench 22-2, Feature 22, looking north.



Photograph 44. Trench 22-2, Feature 23, looking north.



Photograph 45. Trench 21-1, Features 20 and 21, looking south.



Photograph 46. Trench 21-1, Feature 20, looking south.



Photograph 47. Trench 21-1, Feature 21, looking west.



Photograph 48. Mochaware Bowl from Feature 8.



Photograph 49. Mochaware Pitcher from Feature 8.

APPENDIX 1: Catalog of Artifacts from Identified Features

Dock Street Site

Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
26-2	1	top of brick	7	architectural	metal	iron	unidentified	nail	fragment	
26-2	1	top of brick	7	architectural	other			mortar	fragment	
26-2	1	top of brick	1	architectural	stone			slate	fragment	
26-2	1	top of brick	2	architectural	other			plaster	fragment	
26-2	1	top of brick	2	food related	ceramic	earthenware	buff-bodied	vessel	fragment	tan interior, tortoise shell - cloudy exterior
26-2	1	top of brick	1	food related	ceramic	earthenware	whiteware	vessel	fragment	body with blue annular lines
26-2	1	top of brick	4	food related	ceramic	earthenware	whiteware	vessel	fragment	ironstone, no decoration
26-2	1	top of brick	1	food related	ceramic	earthenware	whiteware	vessel	fragment	ironstone, molded rim decoration
26-2	1	top of brick	1	food related	ceramic	stoneware	gray-bodied	bottle	fragment	brown interior, salt glazed exterior, Incised "D.L."
26-2	1	top of brick	1	food related	glass	tinted	unidentified	bottle	fragment	
26-2	1	top of brick	2	food related	glass	colorless	mold made	goblet	fragment	neck and undecorated body
26-2	1	top of brick	1	food remains	organic	shell	clam	shell	fragment	
26-2	1	top of brick	1	personal	clay	kaolin		pipe stem	fragment	
26-2	1	top of brick	1	unaffiliated	metal	iron alloy		unidentified	fragment	
26-2	1	upper level	1	architectural	ceramic	earthenware	white body	tile	fragment	
26-2	1	upper level	1	architectural	ceramic	earthenware	white body	tile	fragment	white and green
26-2	1	upper level	1	architectural	metal	iron		nail	fragment	with attached brick frag
26-2	1	upper level	1	architectural	stone			slate	fragment	
26-2	1	upper level	1	architectural				mortar	fragment	
26-2	1	upper level	1	food related	ceramic	earthenware	redware	vessel	fragment	interior brown glaze, exterior no glaze
26-2	1	upper level	1	food related	ceramic	earthenware	whiteware	plate	fragment	with partial mark "Mrs. HOPKINS PIES 0-6 AVE N.Y."
26-2	1	upper level	4	food related	ceramic	earthenware	whiteware	plate	fragment	base
26-2	1	upper level	1	food related	ceramic	earthenware	whiteware	plate	fragment	base with partial blue transferprint design
26-2	1	upper level	1	food related	ceramic	earthenware	whiteware	vessel	fragment	body with blue transferprint design
26-2	1	upper level	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim with molded edge and blue transferprint design
26-2	1	upper level	1	food related	ceramic	earthenware	slipware	vessel	fragment	with partial combed design
26-2	1	upper level	1	food related	ceramic	earthenware	slipware	vessel	fragment	
26-2	1	upper level	1	food related	glass	tinted	machine made	bottle	fragment	
26-2	1	upper level	1	food remains	organic	bone	mammal	unidentified	fragment	cut
26-2	1	upper level	2	food remains	organic	shell	clam	shell	fragment	
26-2	1	upper level	1	personal	organic	leather		shoe	fragment	
26-2	1	upper level	1	unaffiliated	organic	wood		wood	fragment	burned
26-1	2		4	architectural	ceramic	earthenware	terra cotta	tile	fragment	
26-1	2		1	food related	ceramic	earthenware	whiteware	vessel	fragment	
26-1	2		1	food related	ceramic	earthenware	whiteware	vessel	spall	blue transferprint
26-1	2		1	food related	ceramic	earthenware	whiteware	vessel	fragment	brown annular line



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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
26-1	2		1	food related	glass	colorless	machine made	jar	complete	oval, chamfered sides, label missing, ribbed above and below label panel, owens mark on base, threaded mouth
26-1	2		1	unaffiliated	carbon			battery	fragment	interior carbon, with copper top
26-1	2		1	unaffiliated	metal	iron		wire	fragment	
26-1	3	surface clean up	1	architectural	glass	colorless	flat	window	fragment	
26-1	3	surface clean up	1	food related	ceramic	earthenware	whiteware	vessel	fragment	
26-1	3	surface clean up	1	personal	clay	kaolin		pipe stem	fragment	
26-1	3	surface clean up	1	unaffiliated	glass	colorless		vessel	fragment	thick glass, molded rib on one side, flat on reverse
26-1	3	surface clean up	1	unaffiliated	metal	copper alloy		machine part	fragment	round, 4.25" H, possible pump part
26-1	3	surface clean up	1	unaffiliated	metal	copper alloy	flat	sheet	fragment	
27-1	4	Area A - s of brick wall - fill	1	architectural	glass	tinted	flat	window	fragment	
27-1	4	Area A - s of brick wall - fill	1	food related	glass	tinted	mold made	bottle	complete	round, 7.5" H, blob top chipped, embossed "C. McGinness 36 Spencer St. Brooklyn" on the reverse is a trade mark symbol with 1876 in the large triangle, remnants of cap closure around neck
27-1	4	Area A - s of brick wall - fill	1	food related	glass	tinted	mold made	bottle	fragment	partial neck and flat lip of wide mouth bottle
27-1	4	Area A - s of brick wall - fill	1	food related	glass	tinted	mold made	bottle	fragment	round, body, embossed "E"
27-1	4	Area A - s of brick wall - fill	4	food related	glass	blue	mold made	bottle	fragment	decorative round bottle with cork and metal cap still attached to top; body appears to be pressed with diamond design
27-2	4	Area D - interior fill	1	food remains	organic	shell	clam	shell	fragment	
27-2	4	Area D - interior fill	1	medicinal	glass	colorless	mold made	bottle	complete	round, 2.75" H, 1.25" diam, prescription lip, cork still in neck

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	4	Area D - interior fill	1	personal	stone	slate		pencil	fragment	soft slate
27-2	4	Area D - interior fill	1	unaffiliated	ceramic	porcelain		cap	fragment	
27-2	4	Area D - interior fill	1	unaffiliated	metal	iron	cut	rod	fragment	
27-2	4	Area D - below stone	2	food remains	organic	shell	clam	shell	fragment	
27-2	4	Area D - below stone	1	food remains	organic	shell	mussel	shell	fragment	
27-2	4	Area D - below stone	2	unaffiliated	metal	copper alloy		wire	fragment	
27-2	4	fill - south of wall	1	architectural	metal	iron	unidentified	nail	fragment	
27-2	4	fill - south of wall	1	architectural	ceramic	earthenware	whiteware	tile	fragment	
27-2	4	fill - south of wall	1	food related	ceramic	porcelain		vessel	fragment	
27-2	4	fill - south of wall	1	unaffiliated	other			cardboard	fragment	with tack fragments
27-2	4	NE side of wall	1	unaffiliated	metal	iron	wire	hook	fragment	
27-2	4	N end clean up	1	food related	ceramic	earthenware	whiteware	vessel	fragment	
27-2	4	N end clean up	1	food related	ceramic	earthenware	white body	vessel	fragment	blue transferprint
27-2	4	N end clean up	1	food related	glass	colorless		bottle	fragment	
27-2	4	N end clean up	1	unaffiliated	glass	milk		vessel	fragment	
27-2	6	Area F - around feature	4	food remains	organic	shell	oyster	shell	fragment	
27-2	6	Area F - around feature	1	personal	clay	kaolin		pipe stem	fragment	
27-2	6	Area F - around feature	1	unaffiliated	metal	copper alloy		springs	fragment	small interconnected springs

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	6	Area F - around feature	1	unaffiliated	other		anthracite	coal	fragment	
27-2	6	around feature	7	architectural	ceramic	earthenware	tin glazed	tile	fragment	
27-2	6	around feature	2	food related	ceramic	earthenware	redware	vessel	fragment	
27-2	6	around feature	1	food related	ceramic	earthenware	slipware	vessel	fragment	redware with trailed slip
27-2	6	around feature	12	food related	ceramic	earthenware	cream colored	vessel	fragment	
27-2	6	around feature	2	food related	ceramic	earthenware	cream colored	vessel	fragment	molded rim fragments
	6	around feature	2	food related	ceramic	earthenware	cream colored	vessel	fragment	thick, molded
27-2	6	around feature	1	food related	ceramic	earthenware	pearlware	vessel	spall	green shell edge
27-2	6	around feature	1	food related	ceramic	earthenware	whiteware	vessel	spall	handpainted polychrome design, red, and green
27-2	6	around feature	1	food related	ceramic	earthenware	whiteware	vessel	fragment	undecorated rim
27-2	6	around feature	1	food related	ceramic	stoneware	buff-bodied	vessel	fragment	salt glazed
27-2	6	around feature	1	food related	glass	aqua tinted	machine made	bottle	fragment	round, base to body, embossed "RST" "KLYN" "TRADEMARK", and "1876" in triangle
27-2	6	around feature	2	food related	glass	amber	machine made	bottle	fragment	
27-2	6	around feature	2	food related	glass	colorless	machine made	bottle	fragment	
27-2	6	around feature	1	food related	glass	milk	machine made	bottle	spall	
27-2	8	1	1	architectural	glass	light green tint	flat	window	fragment	
27-2	8	1	1	food related	ceramic	earthenware	redware	vessel	fragment	rim, slightly flared, brown glaze w/ spotted dark brown slip decoration
27-2	8	1	1	food related	ceramic	earthenware	redware	vessel	fragment	body, clear glaze
27-2	8	1	3	food related	ceramic	earthenware	cream-colored	vessel	fragment	
27-2	8	1	1	food related	ceramic	earthenware	buff-bodied	vessel	fragment	yellow/clear glaze, partially unglazed on ext, possibly slip-decorated
27-2	8	1	2	food related	ceramic	earthenware	whiteware	vessel	spall	

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	8	1	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim, scalloped, green shell-edged w/ molded feathering and hand-painted edge decoration, could be pearlware
27-2	8	1	4	food remains	organic	shell	clam	shell	fragment	
27-2	8	1	1	unaffiliated	stone		jasper	stone	fragment	red jasper
27-2	8	2	1	architectural	other			mortar	fragment	w/ plaster
27-2	8	2	1	food remains	organic	shell	clam	shell	fragment	
27-2	8	2	1	unaffiliated	other		anthracite	coal	fragment	
27-2	8	5	9	architectural	glass	light green tint	flat	window	fragment	
27-2	8	5	3	architectural	stone			unidentified	fragment	cut marble
27-2	8	5	6	food related	ceramic	earthenware	mochaware	bowl	fragment	rim and body, creamware, brown and cream cable on yellow, 2 brown bands near rim; several pcs mend
27-2	8	5	1	food related	ceramic	earthenware	mochaware	bowl	fragment	rim and body, brown and white cable on yellow, green impressed herringbone band on rim
27-2	8	5	3	food related	ceramic	earthenware	pearlware	teacup	fragment	body, base, and rim, footed, hand-painted polychrome floral design; int has green leaves, brown band at rim; ext has red edge decoration, red flowers, green and brown leaves w/ yellow; mends
27-2	8	5	2	food related	ceramic	earthenware	pearlware	vessel	fragment	rim and body, probably bowl, hand-painted polychrome floral design; int has green band at rim; ext has red and blue flowers w/ green leaves; mends
27-2	8	5	3	food related	ceramic	porcelain	hard-paste	bowl	fragment	base, body, and rim, small shallow bowl; hand-painted floral design w/ gilding; underglaze design is purple/pink w/ gilded flowers and leaves, overglaze is larger flowers, now black; mends
27-2	8	5	2	food related	ceramic	earthenware	mochaware	vessel	fragment	rim, body, and handle, pearlware, probably creamer; brown, white, and gray looped cable on light brown, 2 pairs of brown bands, feathered end of handle

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	8	5	2	food related	ceramic	earthenware	whiteware	bowl	fragment	rim, body, base, blue transfer print of landscape w/ rider and camel, palm tree, floral borders, notched rim, stamped on base w/ "Oriental" inside cartouche, "WR" underneath in cartouche scroll, and "Opaque China" below; mends; possibly William Ridgway 1830-1834
27-2	8	5	1	food related	ceramic	earthenware	pearlware	vessel	fragment	rim, hand-painted polychrome floral design w/ blue, red, green and black; molded scalloped rim w/ ridges in scroll design; thick, platter or serving bowl, crossmends w/ Level 7
27-2	8	5	3	food related	ceramic	porcelain	Chinese-export	vessel	fragment	rim and base, probably saucer, blue hand-painted oriental-style landscape scene; mends
27-2	8	5	1	food related	ceramic	earthenware	pearlware	platter	fragment	rim and base, thick, blue shell-edged w/ scalloped rim and molded feathering
27-2	8	5	1	food related	ceramic	earthenware	whiteware	plate	fragment	rim, blue shell-edged w/ scalloped rim and finely molded feathering w/ additional floral-style decoration, hand-painted edging
27-2	8	5	3	food related	ceramic	earthenware	whiteware	plate	fragment	rim, blue shell-edged w/ slightly scalloped rim, crude molded feathering, hand-painted blue edging; 2 pcs mend
27-2	8	5	1	food related	ceramic	earthenware	whiteware	plate	fragment	rim, blue shell-edged w/ scalloped rim, molded feathering, hand-painted blue edging
27-2	8	5	5	food related	ceramic	earthenware	pearlware	plate	fragment	rim, blue shell-edged w/ scalloped rim, lightly molded feathering, straight blue edging; mends
27-2	8	5	1	food related	ceramic	porcelain	hard-paste	teacup	fragment	half of cup, footed, thin gold banding on ext at rim, foot, and midway on body, thick gold banding int rim
27-2	8	5	1	food related	ceramic	earthenware	mochaware	bowl	fragment	rim and body, pearlware, engine-turned incised line w/ blue at top, w/ brown and dark brown bands below

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	8	5	6	food related	ceramic	earthenware	whiteware	pitcher	fragment	base, body, rim, brown transfer floral design int and ext, molded foral decoration at spout, scalloped rim
27-2	8	5	1	food related	ceramic	earthenware	pearlware	pitcher	fragment	rim and spout, brown transfer oriental-style landscape scenes and floral and geometric designs
27-2	8	5	1	food related	ceramic	porcelain	hard-paste	plate	fragment	rim and base, overglazed gold and red floral design w/ gold band at rim
27-2	8	5	1	food related	ceramic	earthenware	unidentified	vessel	fragment	rim and body, Jackfield-like, gray/black body w/ dark brown glaze, flared flat rim
27-2	8	5	1	food related	ceramic	earthenware	mochaware	bowl	complete	pearlware, 7" diam, footed; blue, brown, and white looped cable design on celadon, 2 brown bands above and below
27-2	8	5	1	food related	ceramic	earthenware	mochaware	pitcher	fragment	nearly complete, missing spout, handle, and interior of base, 6 1/4" H, pearlware; brown, orange and white circles on green-gray background, brown and green-gray bands, impressed green diamond hatched pattern on shoulder, feathered handle ends
27-2	8	5	2	food related	ceramic	earthenware	redware	jar	fragment	rim and body, large, angled sholder w/ incised lines, round rim; clear glaze w/ dark brown spotted slip decoration, mends
27-2	8	5	2	food related	ceramic	earthenware	redware	jar	fragment	rim and body, flared flat rim w/ bulbous body, incised lines at widest part; clear glaze w/ dark brown spotted slip decoration, mends
27-2	8	5	2	food related	ceramic	earthenware	redware	jar	fragment	rim and body, flared flat rim w/ slightly bulbous body, incised lines at widest part; clear glaze w/ dark brown spotted slip decoration, mends, crossmends w/ Level 7

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	8	5	4	food related	ceramic	earthenware	redware	vessel	fragment	body, trace of handle, bulbous body, 2 incised lines at middle, possibly jar or jug; clear glaze w/ dark brown spotted slip decoration, 2 pcs mend
27-2	8	5	3	food related	glass	colorless	hand-blown	tumbler	fragment	base and body, 2.5" diam, smooth pontil; 2 pcs mend
27-2	8	5	2	food related	glass	colorless	hand-blown	tumbler	fragment	base and body, 2.5" diam, rough pontil; mends
27-2	8	5	3	food related	glass	colorless	hand-blown	tumbler	fragment	rim, base, and body, 2.5" diam, smooth pontil, 2 pcs mend
27-2	8	5	1	food related	ceramic	earthenware	mochaware	spout	fragment	pitcher spout, blue, brown, and white slip on dark brown, possibly pearlware
27-2	8	5	1	food related	ceramic	earthenware	pearlware	plate	fragment	rim and base, scalloped rim, edge decorated w/ green and black bands, hand-painted green, red, and black floral design
27-2	8	5	1	food related	ceramic	earthenware	pearlware	handle	fragment	probably for pitcher
27-2	8	5	1	food related	ceramic	porcelain	hard-paste	vessel	fragment	trace of floral overglaze design
27-2	8	5	1	food related	ceramic	earthenware	pearlware	lid	fragment	teapot lid w/ steam hole, hand-painted blue floral design
27-2	8	5	2	food related	ceramic	earthenware	whiteware	vessel	fragment	could be pearlware, blue floral transfer design int and ext; mends
27-2	8	5	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim, probably for plate, scalloped edge, blue transfer geometric design, dot in circles at rim, diamond pattern
27-2	8	5	1	food related	ceramic	earthenware	pearlware	saucer	fragment	rim and base, irreg scalloped rim, red transfer Chinese architecture w/ floral design, trace of backstamp-scroll with "J..."
27-2	8	5	1	food related	ceramic	earthenware	pearlware	vessel	fragment	body, paneled, blue transfer landscape scene
27-2	8	5	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim, scalloped, black transfer floral design int, blue transfer floral design ext
27-2	8	5	1	food related	ceramic	earthenware	whiteware	vessel	fragment	base, brown transfer landscape design, trace of backstamp
27-2	8	5	4	food related	ceramic	earthenware	whiteware	vessel	fragment	1 rim, 1 base interior
27-2	8	5	1	food related	ceramic	earthenware	pearlware	vessel	fragment	

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	8	5	1	food related	glass	colorless		vessel	fragment	body, possibly tumbler, molded gothic arch panels
27-2	8	5	4	food related	glass	dark green	hand-blown	bottle	fragment	wine bottle, lip, neck, and shoulder, applied string rim; 2 pcs mend
27-2	8	5	1	food related	glass	dark green		bottle	fragment	base, wine bottle style
27-2	8	5	2	food related	glass	green		seal	fragment	embossed wine seal "VIN DE GRAVE" w/ grape clusters
27-2	8	5	16	food related	glass	light green tint	hand-blown	bottle	fragment	base and body, v. rough pontil mark, wine bottle style
27-2	8	5	1	food related	glass	black	hand-blown	bottle	complete	wine bottle, 4" diam 9" H, rough pontil mark, applied rim
27-2	8	5	1	food related	ceramic	stoneware	gray-bodied	bottle	fragment	body and base, 3.75" diam, clear glaze int, tan glaze ext
27-2	8	5	1	food related	ceramic	earthenware	pearlware	vessel	fragment	base
27-2	8	5	1	food related	ceramic	earthenware	pearlware	vessel	fragment	body, molded rib
27-2	8	5	4	food related	ceramic	earthenware	pearlware	vessel	fragment	body
27-2	8	5	7	food remains	organic	bone	mammal	rib	fragment	5 pcs cut
27-2	8	5	2	food remains	organic	seed	grape	seed	complete	
27-2	8	5	12	food remains	organic	bone	fish	bone	fragment	
27-2	8	5	2	food remains	organic		fish	fishscale	fragment	
27-2	8	5	1	food remains	organic	bone	ox	femur	fragment	cut, distal end
27-2	8	5	1	food remains	organic	bone	ox	tibia	fragment	cut, proximal end
27-2	8	5	3	food remains	organic	bone	mammal	bone	fragment	cut, long bone
27-2	8	5	1	food remains	organic	shell	clam	shell	complete	small soft shell
27-2	8	5	3	food remains	organic	shell	oyster	shell	complete	
27-2	8	5	2	food remains	organic	shell	mussel	shell	fragment	
27-2	8	5	8	food remains	organic	shell	clam	shell	fragment	hard shell
27-2	8	5	10	food remains	organic	shell	clam	shell	complete	hard shell; at least 4 pairs
27-2	8	5	1	food remains	organic	bone	mammal	tooth	fragment	
27-2	8	5	1	food remains	organic	bone	mammal	vertebrae	fragment	
27-2	8	5	1	food remains	organic	bone	mammal	femur	fragment	distal end, cut
27-2	8	5	1	food remains	organic	bone	mammal	bone	fragment	large mammal
27-2	8	5	1	lighting	glass	colorless	hand-blown	lamp	fragment	complete base except for hand, 2.5" H, finger lamp, rough pontil mark
27-2	8	5	1	medicinal	glass	green tint	hand-blown	bottle	fragment	lip, neck, and shoulder, thin wide prescription finish, 1.5" diam
27-2	8	5	1	medicinal	glass	green tint	hand-blown	bottle	fragment	neck, shoulder, body, 1" diam
27-2	8	5	1	medicinal	glass	light green tint	hand-blown	bottle	fragment	lip, neck, thin wide prescription finish
27-2	8	5	1	medicinal	glass	light green tint	hand-blown	bottle	fragment	base, rough pontil mark
27-2	8	5	4	personal	ceramic	earthenware	pearlware	chamberpot	fragment	base and body, footed; mends



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27-2	8	5	3	personal	ceramic	earthenware	pearlware	chamberpot	fragment	base and body, trace of handle, footed, feathered handle ends; mends
27-2	8	5	4	personal	ceramic	earthenware	pearlware	chamberpot	fragment	rim and body, trace of handle, flared flat rim; mends
27-2	8	5	3	personal	clay	kaolin	smoking pipe	pipe stem	fragment	
27-2	8	5	1	personal	organic	leather		shoe	fragment	sole
27-2	8	5	7	personal	ceramic	earthenware	pearlware	chamberpot	fragment	rim and body, flared flat rim, several pcs mend
27-2	8	5	4	unaffiliated	glass	colorless		vessel	fragment	
27-2	8	5	5	unaffiliated	ceramic	earthenware	redware	flowerpot	fragment	base, body, rim, mends
27-2	8	5	1	unaffiliated	ceramic	earthenware	whiteware	vessel	fragment	rim and body, curved flared rim
27-2	8	5	2	unaffiliated	ceramic	earthenware	pearlware	vessel	fragment	base, footed, could be chamberpot
27-2	8	5	7	unaffiliated	ceramic	earthenware	pearlware	vessel	fragment	body, probably chamberpot
27-2	8	7	6	food related	ceramic	earthenware	redware	vessel	fragment	base and body, bowl or jar, clear glaze, double incised line w/ dark brown spotted slip decoration; mends
27-2	8	7	6	food related	ceramic	earthenware	redware	jar	fragment	rim and body, flared flat rim, trace of handle, slightly bulbous body, incised line in middle, clear glaze w/ dark brown spotted slip decoration; mends, crossmends w/ Level 5
27-2	8	7	2	food related	ceramic	earthenware	redware	jar	fragment	rim and body, flared flat rim, clear glaze w/ dark brown spotted slip decoration; mends
27-2	8	7	1	food related	ceramic	earthenware	redware	vessel	fragment	body, clear glaze, incised line
27-2	8	7	2	food related	ceramic	earthenware	redware	vessel	fragment	body, clear glaze w/ dark brown spotted slip decoration
27-2	8	7	1	food related	ceramic	earthenware	pearlware	teacup	fragment	rim and body, hand-painted polychrome floral design, brown band edge decoration int and ext, blue, pink, and green flowers ext
27-2	8	7	1	food related	ceramic	earthenware	pearlware	vessel	fragment	rim, hand-painted polychrome floral design w/ blue, red, green and black, trace of black decoration on ext; molded scalloped rim w/ ridges in scroll design; thick, platter or serving bowl, crossmends w/ Level 5
27-2	8	7	3	food related	ceramic	earthenware	pearlware	vessel	fragment	1 pc rim

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	8	7	1	food related	glass	colorless	cut	goblet	fragment	bowl of goblet, 6 facets, small, possibly cordial glass
27-2	8	7	2	food related	glass	dark green		bottle	fragment	
27-2	8	7	2	food remains	organic	shell	clam	shell	complete	pair, hard shell
27-2	8	7	1	food remains	organic	shell	oyster	shell	complete	
27-2	8	7	1	food remains	organic	bone	mammal	bone	fragment	cut
27-2	8	7	1	food remains	organic	seed	grape	seed	complete	
27-2	8	7	3	food remains	organic	bone	fish	bone	fragment	
27-2	8	7	1	food remains	organic	bone	bird	bone	fragment	
27-2	8	7	2	medicinal	glass	light green tint	hand-blown	bottle	fragment	base, rough pontil mark; mends
27-2	8	7	1	unaffiliated	ceramic	earthenware	pearlware	vessel	fragment	base and body, footed base, possibly chamberpot
27-2	8	mixed	8	food related	ceramic	earthenware	pearlware	vessel	fragment	body and rim, straight flared rim, trace of handle, probably pitcher, blue transfer landscape and home scene; mends
27-2	8	mixed	1	food related	ceramic	earthenware	pearlware	vessel	fragment	base, probably for bowl, footed, hand-painted polychrome floral design, blue and red flower w/ green leaves, with illegible impressed mark
27-2	8	mixed	1	food related	ceramic	porcelain	hard-paste	vessel	fragment	rim and base, probably saucer or plate, gold edge decoration w/ 2nd gold band below
27-2	8	mixed	2	food related	ceramic	porcelain	hard-paste	teacup	fragment	1 base, 1 rim, same as in Level 5, footed base w/ gold band, rim w/ thick gold band int and thin band ext
27-2	8	mixed	1	food related	ceramic	earthenware	whiteware	vessel	fragment	body, brown transfer landscape design int and ext
27-2	8	mixed	2	food related	ceramic	earthenware	pearlware	plate	fragment	rim and base, blue shell-edged, scalloped rim, molded feathering, hand-painted edge decoration
27-2	8	mixed	1	food related	glass	light green tint	hand-blown	bottle	fragment	base, v high kickup w/ rough pontil mark
27-2	8	mixed	1	food related	glass	dark green	3 part mold	bottle	complete	chip in rim, applied lip, 3.75" diam 9" H
27-2	8	mixed	2	food related	ceramic	earthenware	mochaware	vessel	fragment	rim and body, probably bowl, whiteware, brown dendritic design on orange, double dark brown band at rim; mends

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
27-2	8	mixed	1	food related	ceramic	earthenware	redware	vessel	fragment	rim and body, possibly bowl, flared flat rim, brown glaze w/ dark brown slip decoration
27-2	8	mixed	1	food related	ceramic	earthenware	redware	vessel	fragment	body, clear glaze, incised line at shoulder
27-2	8	mixed	1	personal	ceramic	earthenware	pearlware	chamberpot	fragment	rim and body, flared flat rim, small diam
27-2	8	mixed	1	personal	ceramic	earthenware	pearlware	chamberpot	fragment	rim and body, flared flat rim, trace of handle
27-2	8	mixed	1	personal	clay	kaolin	smoking pipe	pipe stem	fragment	
27-2	8	mixed	1	unaffiliated	ceramic	earthenware	pearlware	vessel	fragment	base and body, footed, probably chamberpot
27-2	8	mixed	1	unaffiliated	metal	iron alloy		unidentified	fragment	heavy ring, possibly some kind of fitting
14-1	10	Area A	1	unaffiliated	metal			steel wool	fragment	
14-1	10	Area A	2	food related	glass	colorless		bottle	fragment	embossed "R" and "FF"
14-1	10	Area A	1	unaffiliated	metal	iron alloy		nut	complete	
14-1	10	Area A	1	unaffiliated	metal	copper alloy		pipe	complete	
14-1	10	Area A	1	unaffiliated	metal	iron alloy		ring	complete	
14-1	10	Area A	1	unaffiliated	metal	copper alloy		pipe collar	complete	
14-1	10	Area A	1	unaffiliated	metal	iron alloy		pipe connector	complete	
14-1	10	Area A	1	unaffiliated	metal	cast iron		bar	fragment	
14-1	10	Area A	1	unaffiliated	metal	copper alloy		wire	fragment	
14-1	10	Area A	1	unaffiliated	metal	iron alloy		rod	fragment	
14-1	10	Area A	1	unaffiliated	metal	copper alloy		plate	complete	with cut design - possibly mold
14-1	10	Area A	2	unaffiliated	metal	copper alloy		unidentified	fragment	melted
14-1	10	Area A	1	unaffiliated	ceramic	porcelain		fuse cover	fragment	
14-1	10	Area A	1	unaffiliated	ceramic	porcelain		fuse base	fragment	
14-1	10	Area A	1	unaffiliated	glass	colorless		unidentified	fragment	melted
14-1	10	Area A	4	unaffiliated	paper			cardboard	fragment	
14-1	10	Area A	2	unaffiliated	other			slag	fragment	
14-1	10	Area A	2	unaffiliated	other			bone	fragment	possible burned bone
14-1	10	Area A	1	unaffiliated	other			chalk	fragment	
14-1	10	Area B	1	architectural	other			plaster	fragment	with large fragment of black lead paint
14-1	10	Area L	1	architectural	other			mortar	fragment	
14-1	10	Area L	4	personal	metal	copper alloy		bullet case	complete	probably .22
14-1	10	Area L	1	sanitation	metal	copper alloy		toilet float	fragment	2 part ball
14-1	10	Area L	2	unaffiliated	metal	copper alloy	wire	wire	fragment	curled length of doubled thin wire
14-1	10	Area L	2	unaffiliated	metal	copper alloy	wire	wire	fragment	curled length of wire

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14-1	10	Area L	1	unaffiliated	metal	copper alloy	sheet	unidentified	fragment	cut copper sheeting, 1 semicircular, 1 triangular, 2 remaining from circle cutout
14-1	10	Area L	2	unaffiliated	metal	copper alloy		tube	fragment	flange at one end, 1.5x.75"
14-1	10	Area L	1	unaffiliated	metal	copper alloy		tube	fragment	
14-1	10	Area L	1	unaffiliated	metal	copper alloy		mesh	fragment	possibly window screening
14-1	10	Area L	1	unaffiliated	other			unidentified	fragment	composition material, possibly paper pulp, w/ circular cutouts
14-1	10	Area L	4	unaffiliated	metal	copper alloy	sheet	unidentified	fragment	folded and flattened circular sheet, 3" diam, with folded edge
14-1	10	Area L	1	unaffiliated	metal	tin alloy	sheet	unidentified	fragment	
14-1	10	Area L	1	unaffiliated	metal	tin alloy	sheet	unidentified	fragment	has holes
14-1	10	Area L	1	unaffiliated	metal	brass alloy		lever	fragment	bracket w/ handle
14-1	10	Area L	1	unaffiliated	metal	tin alloy	sheet	unidentified	fragment	possibly fitting, has hole w/ bent tab
14-1	10	Area L	1	unaffiliated	metal	copper alloy	sheet	unidentified	fragment	thin strip
14-1	10	Area L	1	unaffiliated	other			unidentified	fragment	composition material, possibly paper pulp, strip
14-1	10	Area L	1	unaffiliated	metal	brass alloy	wire	wire	fragment	
14-1	10	Area L	1	unaffiliated	stone		mica	mica	fragment	thin cut small sheets
14-1	10	Area L	5	unaffiliated	plastic	black		cap	complete	molded interior threaded cap w/ knurled edge and flower design on to, 5/8" diam
14-1	10	Area L	1	unaffiliated	metal	copper alloy	sheet	unidentified	fragment	rectangular small strip w/ notches at one end
14-1	10	Area L	1	unaffiliated	organic	leather		unidentified	fragment	
14-1	10	Area L	1	unaffiliated	metal	copper alloy		unidentified	fragment	thin wire w/ small folded piece at one end
14-1	10	Area L	1	unaffiliated	other			washer	complete	composition material, possibly paper pulp
14-1	10	south wall	3	food related	glass	tinted		bottle	fragment	
14-1	10	south wall	2	unaffiliated	metal	copper alloy		wire	fragment	
23-2	11	1	24	architectural	glass	light green tint	flat	window	fragment	
23-2	11	1	1	architectural	metal	iron alloy		nail	fragment	
23-2	11	1	4	architectural	other			mortar	fragment	from interior wall of cistern Feature 11
23-2	11	1	1	food related	glass	light green tint	mold-blown	bottle	fragment	base and body, torpedo style
23-2	11	1	1	food related	ceramic	earthenware	buff-bodied	teapot	fragment	rim, spout, body; strainer visible, Rockingham style; mends
23-2	11	1	3	food related	ceramic	porcelain	hard-paste	vessel	fragment	rim, trace of gilt edge decoration
23-2	11	1	1	food related	glass	light green tint		bottle	fragment	melted
23-2	11	1	6	food related	glass	colorless		bottle	fragment	trace of molded rib
23-2	11	1	8	food related	glass	colorless		unidentified	fragment	melted
23-2	11	1	17	lighting	glass	colorless		lamp chimney	fragment	top w/ fire-polished rim

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	1	1	unaffiliated	glass	white		vessel	fragment	
23-2	11	1	1	unaffiliated	metal	copper alloy		unidentified	fragment	ornate, v thin circular small frame, 3/4" diam, possibly decorative fitting for jewelry box or picture album lock
23-2	11	1	1	unaffiliated	metal	iron alloy		wire	fragment	
23-2	11	1	1	unaffiliated	metal	iron alloy	sheet	unidentified	fragment	
23-2	11	1	2	unaffiliated	other		anthracite	coal	fragment	
23-2	11	1	3	unaffiliated	other			slag	fragment	
23-2	11	1	2	unaffiliated	other			unidentified	fragment	possibly asphalt shingle w/ trace of paint/plaster
23-2	11	1	6	unaffiliated	organic	wood		wood	fragment	burned
23-2	11	1	1	unaffiliated	other			furnace scale	fragment	
23-2	11	1	1	unaffiliated	ceramic	earthenware	redware	unidentified	fragment	
23-2	11	2	3	unaffiliated	other			slag	fragment	
23-2	11	cleanup	1	architectural	clay		buff-bodied	fire brick	fragment	
23-2	11	cleanup	1	food related	ceramic	earthenware	whiteware	vessel	fragment	blue transferprint, rim
23-2	11	cleanup	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim with traces of gold gilt line
23-2	11	cleanup	1	food related	ceramic	earthenware	whiteware	bowl	fragment	rim, undecorated
23-2	11	cleanup	1	food related	ceramic	earthenware	Rockingham	teapot	fragment	with partial handle
23-2	11	cleanup	1	food related	ceramic	earthenware	ironstone	handle	fragment	molded graniteware
23-2	11	cleanup	1	food related	glass	colorless	mold made	tumbler	fragment	ribbed and paneled
23-2	11	cleanup	2	personal	organic	leather		shoe	fragment	
23-2	11	cleanup top @ 58" bg	1	architectural	glass	light green tint	flat	window	fragment	wire-reinforced
23-2	11	cleanup top @ 58" bg	1	architectural	glass	light green tint	flat	window	fragment	
23-2	11	cleanup top @ 58" bg	1	architectural	other			plaster	fragment	
23-2	11	cleanup top @ 58" bg	1	architectural	other			mortar	fragment	
23-2	11	cleanup top @ 58" bg	1	architectural	metal	iron alloy		hook	complete	coat hook for mounting on wall
23-2	11	cleanup top @ 58" bg	1	architectural	metal	iron alloy		nail	fragment	
23-2	11	cleanup top @ 58" bg	1	architectural	metal	zinc alloy	wire	nail	fragment	
23-2	11	cleanup top @ 58" bg	1	food related	glass	dark green		bottle	fragment	flat, possibly case bottle
23-2	11	cleanup top @ 58" bg	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim
23-2	11	cleanup top @ 58" bg	1	food related	ceramic	earthenware	buff-bodied	vessel	spall	Rockingham style

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	cleanup top @ 58" bg	1	food related	ceramic	earthenware	whiteware	vessel	fragment	light green glaze
23-2	11	cleanup top @ 58" bg	3	food related	ceramic	stoneware	buff-bodied	vessel	spall	dark brown glaze
23-2	11	cleanup top @ 58" bg	1	food related	glass	colorless	ABM	bottle	fragment	lip and neck, probably milk bottle, molded vertical ribs on neck
23-2	11	cleanup top @ 58" bg	1	food related	glass	light green tint		bottle	fragment	base, probably mold blown
23-2	11	cleanup top @ 58" bg	1	food related	glass	olive green		bottle	fragment	
23-2	11	cleanup top @ 58" bg	2	food related	glass	light green tint		bottle	fragment	lip, applied string lip
23-2	11	cleanup top @ 58" bg	4	food related	ceramic	earthenware	whiteware	vessel	fragment	blue transfer design int and ext (floral and architectural)
23-2	11	cleanup top @ 58" bg	1	food related	glass	light green tint		bottle	fragment	
23-2	11	cleanup top @ 58" bg	1	food related	glass	brown		bottle	fragment	
23-2	11	cleanup top @ 58" bg	2	food related	glass	colorless		bottle	fragment	1 pc melted, 1 pc has ribbing
23-2	11	cleanup top @ 58" bg	1	food related	ceramic	earthenware	whiteware	vessel	spall	
23-2	11	cleanup top @ 58" bg	1	food related	ceramic	earthenware	whiteware	vessel	fragment	burned
23-2	11	cleanup top @ 58" bg	1	food related	ceramic	earthenware	cream-colored	vessel	fragment	rim, trace of light blue decoration
23-2	11	cleanup top @ 58" bg	1	food related	glass	colorless	free blown	bottle	complete	11.5" H, 3" diam, pontil mark, medium kickup, tapers up from bottom to shoulder, wide mouth, folded over rim; possibly 20th c although hand blown
23-2	11	cleanup top @ 58" bg	1	food remains	organic	shell	oyster	shell	fragment	
23-2	11	cleanup top @ 58" bg	4	food remains	organic	shell	clam	shell	fragment	
23-2	11	cleanup top @ 58" bg	1	medicinal	glass	colorless	mold-blown	bottle	fragment	lip, neck, and shoulder, prescription lip
23-2	11	cleanup top @ 58" bg	1	personal	ceramic	porcelain	hard-paste	figurine	fragment	has gilt decoration, glaze int and ext
23-2	11	cleanup top @ 58" bg	4	personal	ceramic	porcelain	hard-paste	figurine	fragment	glaze ext only

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	cleanup top @ 58" bg	3	personal	sythetic			shoe sole	fragment	
23-2	11	cleanup top @ 58" bg	9	unaffiliated	other		fiber	unidentified	fragment	strips and larger pieces of rag paper or other fibrous material
23-2	11	cleanup top @ 58" bg	1	unaffiliated	ceramic	earthenware	buff-bodied	vessel	fragment	black glaze ext, unglazed int
23-2	11	cleanup top @ 58" bg	1	unaffiliated	ceramic	earthenware	redware	flowerpot	fragment	rim, body
23-2	11	cleanup top @ 58" bg	2	unaffiliated	ceramic	stoneware	buff-bodied	vessel	fragment	burned
23-2	11	cleanup top @ 58" bg	1	unaffiliated	plastic	amber		unidentified	fragment	finished edge, slightly curved
23-2	11	cleanup top @ 58" bg	7	unaffiliated	ceramic	porcelain	soft-paste	unidentified	fragment	
23-2	11	cleanup top @ 58" bg	1	unaffiliated	other		anthracite	coal	fragment	
23-2	11	cleanup top @ 58" bg	1	unaffiliated	other			slag	fragment	
23-2	11	cleanup top @ 58" bg	4	unaffiliated	organic	wood		wood	fragment	
23-2	11	cleanup top @ 58" bg	1	unaffiliated	metal	copper alloy		unidentified	fragment	tube w/ flange on one end
23-2	11	cleanup top @ 58" bg	5	unaffiliated	metal	iron alloy		unidentified	fragment	fitting, possibly for pipework, faceted on one edge
23-2	11	E side	6	architectural	other			mortar	fragment	from interior wall of cistern Feature 11
23-2	11	E side	1	architectural	other			mortar	fragment	
23-2	11	E side	3	architectural	glass	blue	flat	window	fragment	light blue and white stained glass fragment, could possibly be from lampshade
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	teacup	fragment	nearly complete, chip on rim and foot, footed and handleless; hand-painted floral polychrome design, blue and red flowers, green leaves, black stem
23-2	11	E side	2	food related	ceramic	earthenware	whiteware	plate	fragment	nearly complete, angled 12-sided rim, molded raised band at rim w/ 12 panels separated by shallow divots, 11" diam, ironstone; no markings visible on base; mends
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	teacup	fragment	rim and body, 12-paneled, angled near base, ironstone

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	E side	3	food related	ceramic	porcelain	hard-paste	saucer	fragment	rim, base and body, thick gilt band at edge, thin band in center; 2 pcs mend
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	teacup	fragment	rim, body, and handle, ironstone; molded wheat design on rim, large ribs, molded seamed loop handle
23-2	11	E side	4	food related	ceramic	earthenware	whiteware	vessel	fragment	base, rim and body, probably pitcher, ironstone; molded floral leaf pattern, scalloped rim; mends
23-2	11	E side	3	food related	ceramic	earthenware	whiteware	saucer	fragment	approx half of saucer, ironstone, impressed "T&H.../SYDENHAM SH..." w/ registration mark of ".../J/.../Rd/.../6" in center; T&H Boote, Sydenham Shape, possibly manufacture date of 1854; mends
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	teacup	fragment	base and body, ironstone, 12-paneled, rounded profile near base
23-2	11	E side	2	food related	ceramic	earthenware	whiteware	serving dish	fragment	mostly complete, ironstone, 8-sided semi-rectangular nappy w/ molded scroll design along edge; has unreadable impressed registration mark and maker, possibly Wedgwood & Co (Enoch, not Josiah), impressed "IRONSTONE/.../CHINA"; reg mark indicates manuf between 1842-1883
23-2	11	E side	4	food related	ceramic	earthenware	whiteware	plate	fragment	rim, body, base, at least 2 separate plates, mends w/ fragments in other parts of cistern; plain rim w/ molded band near rim, 9" diam, impressed "OPAQUE/PORCELAIN" ON BASE
23-2	11	E side	4	food related	ceramic	earthenware	whiteware	pitcher	fragment	body, rim, spout, and ancle, large molded flutes, handle has decorative leaves at attachment, scalloped rim; mends
23-2	11	E side	1	food related	glass	light green tint	2 pc mold	bottle	complete	soda type, small, 6.5" H, 2" diam, blob top, slightly downtooled, embossed "MORGAN BRO & Co/145/W. 35TH St/N.Y."



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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	E side	1	food related	ceramic	stoneware	gray-bodied	bottle	complete	8.5" H, 3" diam, tan and clear glaze, beer/soda style, flared rounded top w/ 2 molded rings below
23-2	11	E side	1	food related	metal	iron alloy		pot	fragment	nearly complete, may be missing handle, 8" diam, 4" H, enameled cooking pot or bowl, very thin enamel coating
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	strainer	fragment	orig approx 4" diam, shallow, circular, with rolled flared rim and holes at bottom
23-2	11	E side	2	food related	ceramic	earthenware	whiteware	vessel	fragment	blue annular ware, 3 bands, angled shoulder
23-2	11	E side	7	food related	ceramic	earthenware	whiteware	bowl	fragment	ironstone, at least 3 items represented, shallow soup bowl, 8-sided angled rim w/ molded bracket design; 10" diam, impressed on base "OPAQUE/JOHN MADDOCK/CHINA" w/ border; mends w/ items from other parts of Feature 11
23-2	11	E side	3	food related	ceramic	earthenware	whiteware	plate	fragment	base and rim, ironstone, angled rim, 8-sided, trace of impressed registration mark; mends
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim and base, small shallow dish, plain rim, ironstone, impressed on base "...D & CLARK"; Bridgwood & Clark, Burslem, 1857-64
23-2	11	E side	2	food related	ceramic	earthenware	whiteware	saucer	fragment	rim and base, ironstone, plain rim w/ molded scroll edge decoration; mends, possible circular impressed mark on base
23-2	11	E side	2	food related	ceramic	earthenware	whiteware	plate	fragment	rim and base, ironstone, plain rim, no decoration
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	plate	fragment	rim and body, plain rim, no decoration, ironstone
23-2	11	E side	2	food related	ceramic	earthenware	whiteware	vessel	fragment	rim, plate or saucer, plain rim w/ 2 shallow molded bands, ironstone

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim and base, saucer or shallow bowl, ironstone, plain rim, molded vertical panels
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	vessel	fragment	rim, plain rim w/ molded panel, ironstone
23-2	11	E side	3	food related	ceramic	earthenware	whiteware	vessel	fragment	rim, ironstone
23-2	11	E side	8	food related	ceramic	earthenware	whiteware	vessel	fragment	body, ironstone
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	vessel	fragment	base, ironstone
23-2	11	E side	1	food related	ceramic	earthenware	whiteware	vessel	fragment	base, thin
23-2	11	E side	1	food related	ceramic	stoneware	unidentified	vessel	fragment	unglazed int, appears to be white salt glazed ext, possibly edge of lid or foot
23-2	11	E side	4	food related	ceramic	earthenware	yellowware	bowl	fragment	base and body, unidentified molded decoration, some pcs mend
23-2	11	E side	4	food related	glass	light green tint	pressed	tumbler	fragment	rim and body, at least 2 separate tumblers, 3 vertical ridges with curved vertical panel, repeats
23-2	11	E side	1	food related	glass	light green tint	mold-blown	bottle	fragment	2 circular base, 1 cylindrical body
23-2	11	E side	2	food related	ceramic	porcelain	hard-paste	vessel	fragment	base, plate or saucer
23-2	11	E side	1	food remains	organic	shell	clam	shell	complete	
23-2	11	E side	5	food remains	organic	shell	oyster	shell	complete	
23-2	11	E side	1	food remains	organic	shell	mussel	shell	fragment	
23-2	11	E side	1	lighting	glass	colorless	blown	lamp chimney	fragment	body
23-2	11	E side	7	lighting	glass	colorless	blown	lamp chimney	fragment	rim, flared flat
23-2	11	E side	1	lighting	glass	colorless	cut	lamp globe	fragment	rim and body, globe or shade, frosted ext, scalloped ground rim, arched panels
23-2	11	E side	1	lighting	glass	colorless	cut	lamp globe	fragment	body, frosted ext w/ floral design
23-2	11	E side	1	lighting	glass	colorless	cut	lamp globe	fragment	body, frosted ext w/ chainlike pattern
23-2	11	E side	1	lighting	glass	colorless	cut	lamp globe	fragment	base, frosted ext
23-2	11	E side	1	lighting	glass	colorless		lamp chimney	fragment	rim, smooth
23-2	11	E side	2	lighting	glass	colorless	blown	lamp chimney	fragment	rim, flared flat
23-2	11	E side	1	medicinal	glass	light green tint	mold-blown	bottle	fragment	body and base, rectangular, embossed "...BUSKIRKS/...GRANT/...DONT" on one side; Van Buskirk's Fragrant Sozodont, manufactured 1859-c. early 20th c.

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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	E side	1	medicinal	glass	light green tint	mold-blown	bottle	complete	has cork intact, 5" H, 2" width, rectangular w/ chamfered corners, arched shoulder, flat prescription top
23-2	11	E side	3	medicinal	glass	light green tint	mold-blown	bottle	fragment	lip, neck, shoulder, body, down tooled applied lip, rectangular w/ chamfered corners, one short side embossed vertically w/ "HYPOPH.../OF LIME..."; probably hypophosphite of lime soda; mends
23-2	11	E side	1	medicinal	glass	light green tint	mold-blown	bottle	fragment	base, rectangular w/ chamfered corners
23-2	11	E side	14	personal	ceramic	earthenware	whiteware	chamberpot	fragment	base, body, and rim, footed, ironstone, irregular flared scalloped rim; mends
23-2	11	E side	3	personal	stone		slate	pencil	fragment	soft slate
23-2	11	E side	4	personal	clay	kaolin	smoking pipe	pipe stem	fragment	
23-2	11	E side	3	personal	ceramic	porcelain	hard-paste	toy	fragment	half a doll teacup, 1.25" diam, angled flared rim, trace of handle, paneled sides
23-2	11	E side	1	personal	ceramic	porcelain	prosser	button	complete	4-hole
23-2	11	E side	1	personal	other			bowl	fragment	vinyl black bow w/ cuprous fitting, possibly bow for shoe
23-2	11	E side	1	personal	organic	leather	shoe	sole	fragment	interior lining, toe area
23-2	11	E side	1	unaffiliated	ceramic	earthenware	redware	flowerpot	fragment	rim, body, 2 different pots
23-2	11	E side	1	unaffiliated	ceramic	earthenware	whiteware	vessel	fragment	base, footed, could be chamberpot, ironstone
23-2	11	E side	1	unaffiliated	ceramic	porcelain	hard-paste	figurine	fragment	appears to have been partially tinted pink, has molded floral leaf, circular
23-2	11	E side	1	unaffiliated	organic	leather		unidentified	fragment	fragments of leather, do not appear to be shoe parts
23-2	11	E side	1	unaffiliated	metal	lead		unidentified	fragment	thin lead strip
23-2	11	E side	3	unaffiliated	organic	wood		wood	fragment	
23-2	11	E side	2	unaffiliated	other		anthracite	coal	fragment	
23-2	11	E side	1	unaffiliated	other			furnace scale	fragment	
23-2	11	N side	1	food related	glass	colorless		bottle	fragment	
23-2	11	N side	1	food related	glass	olive green	turn mold	bottle	fragment	base, cylindrical, 3" diam, wine bottle type, embossed "...YOTTVILLE GLASS WORKS PHIL..."; Dyottville Glass Works

APPENDIX 1: Catalog of Artifacts from Identified Features

Dock Street Site

Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	N side	1	food related	ceramic	stoneware	buff-bodied	vessel	fragment	dark brown glaze int and ext
23-2	11	N side	6	food related	ceramic	earthenware	whiteware	plate	fragment	ironstone, plain rim w/ molded band at edge, 9" diam, mends and also mends w/ one in F11 E side
23-2	11	N side	1	food remains	organic	shell	chicken	eggshell	fragment	
23-2	11	N side	6	lighting	glass	colorless	cut	lamp globe	fragment	frosted ext w/ clear flowers and lines, same as in other parts of F11
23-2	11	N side	1	lighting	glass	colorless		lamp chimney	fragment	v thin
23-2	11	N side	1	personal	ceramic	porcelain	soft-paste	doll	fragment	shoulders (head broken off) of small china doll; would have had soft body
23-2	11	N side	1	unaffiliated	ceramic	porcelain	hard-paste	unidentified	fragment	possibly figurine or dish, unglazed on one side
23-2	11	N side	1	unaffiliated	metal	copper alloy	wire	wire	fragment	
23-2	11	W side	3	personal	ceramic	earthenware	cream colored	chamberpot	fragment	almost complete
23-2	11	N side TU 1	1	architectural	glass	light green tint	flat	window	fragment	
23-2	11	N side TU 1	1	food related	glass	light green tint	mold blown	bottle	complete	6.75" H, 2.75" diam, cylindrical, soda bottle type, blob top
23-2	11	N side TU 1	1	food related	glass	dark green	turn mold	bottle	complete	11.5" H, 2.75" diam, wine bottle, high kickup w/ mamelon, applied flat ring finish
23-2	11	N side TU 1	1	food related	ceramic	earthenware	whiteware	plate	fragment	ironstone, plain rim w/ molded band at edge, 9" diam, impressed on base "OPAQUE/PORCELAIN" at least 2 plates represented, one mends and also mends w/ one in F11 E side
23-2	11	N side TU 1	4	food related	ceramic	earthenware	whiteware	bowl	fragment	rim and body, ironstone, large circular footed serving dish, flared curved rim w/ molded dip and slight scalloping
23-2	11	N side TU 1	7	food related	ceramic	earthenware	whiteware	plate	fragment	rim, body, base, ironstone, angled rim (8 sides), molded panels, similar to those in F11 E side
23-2	11	N side TU 1	1	food related	ceramic	earthenware	whiteware	plate	fragment	nearly complete, 10.5" diam, ironstone, rim divided into 4 quadrants w/ 2 scallops at each divide, molded rings and 4 large molded panels

APPENDIX 1: Catalog of Artifacts from Identified Features

Dock Street Site

Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	N side TU 1	1	food related	ceramic	earthenware	whiteware	plate	fragment	rim, body, and base, ironstone, plain rim, no design, stamped on interior middle in oval "...PKINS/...PIES/...20-6-AVE N.Y."; mends
23-2	11	N side TU 1	4	food related	ceramic	earthenware	whiteware	teacup	fragment	base, body, rim, molded curved panels w/ molded wheat and leaves design
23-2	11	N side TU 1	1	food related	ceramic	porcelain	hard-paste	handle	fragment	molded decorative teacup handle w/ gilt stroke in middle
23-2	11	N side TU 1	1	food remains	organic	shell	clam	shell	complete	
23-2	11	N side TU 1	1	food remains	organic	shell	oyster	shell	complete	
23-2	11	N side TU 1	1	food remains	organic	shell	oyster	shell	fragment	
23-2	11	N side TU 1	1	food remains	organic	shell	chicken	eggshell	fragment	
23-2	11	N side TU 1	1	lighting	glass	colorless	cut	lamp globe	fragment	frosted ext w/ clear flowers and lines
23-2	11	N side TU 1	5	lighting	glass	colorless		lamp chimney	fragment	rim and body, flared flat rim
23-2	11	N side TU 1	1	medicinal	glass	colorless	mold blown	bottle	complete	3.25" H, 1.75" diam, flared flat rim
23-2	11	N side TU 1	4	personal	clay	kaolin	smoking pipe	pipe stem	fragment	
23-2	11	N side TU 1	2	personal	stone		slate	pencil	fragment	soft slate
23-2	11	N side TU 1	1	personal	clay	kaolin	smoking pipe	pipe bowl	fragment	impressed dotted rim w/ small circular cartouche containing man w/ hat, spear, and half-circle shield
23-2	11	N side TU 1	1	unaffiliated	ceramic	earthenware	redware	flowerpot	fragment	rim and body
23-2	11	N side TU 1	1	unaffiliated	glass	colorless		unidentified	fragment	possibly part of lamp chimney or globe
23-2	11	N side TU 1	1	unaffiliated	other			slag	fragment	
23-2	11	N side TU 1	1	unaffiliated	other			unidentified	fragment	burned, could be slag, bone; porous and light
23-2	11	N side TU 1	1	unaffiliated	ceramic	porcelain	hard-paste	unidentified	fragment	glaze ext only, could be figurine

APPENDIX 1: Catalog of Artifacts from Identified Features

Dock Street Site

Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	N side TU 1	1	unaffiliated	clay			sewer pipe	fragment	
23-2	11	N side TU 1	1	unaffiliated	other			slag	fragment	light and porous
23-2	11	S side	1	food related	ceramic	earthenware	yellowware	bowl	fragment	rim and body, molded leaf design w/ arched inset panels
23-2	11	S side	2	food related	ceramic	earthenware	whiteware	bowl	fragment	rim, ironstone, shallow dining/soup bowl, angled rim w/ molded bracket design, mends w/ frag in F11 E side
23-2	11	S side	1	food related	ceramic	earthenware	whiteware	bowl	fragment	rim, body, base, small deep bowl, ironstone, molded panels
23-2	11	S side	7	food related	glass	dark green		bottle	fragment	flat, possibly case bottle
23-2	11	S side	1	food related	glass	colorless		bottle	fragment	
23-2	11	S side	1	food related	glass	colorless	mold-blown	tumbler	fragment	base and body, footed, 3 molded ribs near base, pontil mark
23-2	11	S side	1	food remains	organic	shell	chicken	eggshell	fragment	
23-2	11	S side	1	food remains	organic	shell	oyster	shell	fragment	
23-2	11	S side	1	lighting	glass	colorless		lamp chimney	fragment	
23-2	11	S side	1	unaffiliated	organic	wood		handle	fragment	curved tube of wood w/ iron remnants inside, probably for bucket
23-2	11	S side	3	unaffiliated	glass	white		container	fragment	milk glass, flat sided
23-2	11	S side	3	unaffiliated	organic	wood		wood	fragment	
23-2	11	surface cleanup	1	food related	ceramic	earthenware	whiteware	plate	fragment	base, body, rim, undecorated, ironstone, marked on base with lion and unicorn royal seal, "...OYAL IRONSTONE/CHINA/J.H.M."
23-2	11	surface cleanup	1	food related	ceramic	earthenware	redware	vessel	fragment	rim and body, flat flared rim
23-2	11	surface cleanup	1	food related	ceramic	porcelain	soft-paste	teacup	fragment	base, body, trace of handle, appears 20th c
23-2	11	surface cleanup	1	food related	ceramic	earthenware	whiteware	vessel	spall	polychrome decal floral decoration
23-2	11	surface cleanup	1	food related	ceramic	earthenware	whiteware	vessel	fragment	base, probably plate, ironstone, marked w/ "...C.C. THO..."; C.C. Thompson Pottery of East Liverpool, OH, active 1868-1938
23-2	11	surface cleanup	1	food related	ceramic	earthenware	whiteware	vessel	fragment	base, probably plate, ironstone, marked w/ similar or same mark Royal Ironstone China JHM and royal seal

APPENDIX 1: Catalog of Artifacts from Identified Features

Dock Street Site

Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
23-2	11	surface cleanup	1	food related	ceramic	earthenware	whiteware	handle	fragment	ironstone, molded, for pitcher or similar
23-2	11	surface cleanup	1	personal	clay	kaolin	smoking pipe	pipe bowl	fragment	
23-2	11	surface cleanup	1	unaffiliated	ceramic	earthenware	whiteware	vessel	fragment	base, could be chamberpot or bowl
23-2	11	TU 1. L. 2	2	architectural	glass	colorless	flat	window	fragment	
23-2	11	TU 1. L. 2	1	architectural	metal	iron	unidentified	nail	fragment	
23-2	11	TU 1. L. 2	2	architectural	organic	wood	unidentified	wood	fragment	
23-2	11	TU 1. L. 2	1	architectural	other			mortar	fragment	
23-2	11	TU 1. L. 2	1	food related	ceramic	earthenware	whiteware	plate	fragment	molded ironstone rim
23-2	11	TU 1. L. 2	3	food related	ceramic	earthenware	whiteware	bowl	fragment	partial mark "Ironstone" "Pearl", paneled sides
23-2	11	TU 1. L. 2	4	food related	ceramic	earthenware	yellowware	bowl	fragment	with molded decoration near the rim
23-2	11	TU 1. L. 2	1	food related	glass	colorless		vessel	fragment	circular base partial stem for a serving vessel
23-2	11	TU 1. L. 2	1	food related	glass	light green tint	mold made	bottle	complete	circular, 7.25" H, 2.5" diam, with mold seam and blob top, possibly for soda, embossed "H. BATTERMAN 1861 BROOKLYN N.Y." on one side and a large "B" on the opposite side
23-2	11	TU 1. L. 2	2	food remains	organic	shell	oyster	shell	fragment	
23-2	11	TU 1. L. 2	1	food remains	organic	shell	clam	shell	fragment	
23-2	11	TU 1. L. 2	2	lighting	glass	colorless		lamp chimney	fragment	
23-2	11	TU 1. L. 2	2	lighting	glass	colorless		lamp globe	fragment	frosted ext w/traces of flower
23-2	11	TU 1. L. 2	1	personal	organic	shell		button	complete	
23-2	11	TU 1. L. 2	1	personal	organic	leather		shoe	fragment	
23-2	11	TU 1. L. 2	2	unaffiliated	ceramic	stoneware		water pipe	fragment	
23-2	11	TU 1. L. 2	2	unaffiliated	organic			charcoal	fragment	
23-2	11	TU 1. L. 2	3	unaffiliated	other			slag	fragment	
22-3	12	E side	2	food related	glass	dark green	turn mold	bottle	fragment	all but top of neck and lip, 7.5" H incomplete
22-3	12	E side	1	food related	glass	light green tint	mold-blown	bottle	complete	cylindrical, 6.75" H, embossed "ALLART & McGUIRE/TRADE OK MARK/PICKLES", slight pouring spout on lip
22-3	12	E side	1	food related	glass	colorless	mold-blown	bottle	fragment	all but lip, cylindrical, tapers upward, 6.5" H, 2 rings on neck, one on shoulder, one near base

APPENDIX 1: Catalog of Artifacts from Identified Features

Dock Street Site

Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
22-3	12	E side	1	food related	glass	light green tint	mold-blown	bottle	fragment	base and body, rectangular w/ chamfered corners and bulbous body, embossed on base "HEINZ BROs & CO/35"
22-3	12	E side	1	food related	glass	light green tint	3-part mold	bottle	fragment	base and body, cylindrical w/ bulbous base
22-3	12	E side	1	food related	glass	light green tint		stopper	complete	embossed "LEA & PERRINS"
22-3	12	E side	1	food related	glass	amber	mold-blown	bottle	fragment	body, rectangular w/ chamfered corners and inset panel, embossed at top w/ "...ERACE"
22-3	12	E side	1	food related	glass	amber		bottle	fragment	
22-3	12	E side	2	food related	glass	light green tint	mold-blown	bottle	fragment	lip, neck, and shoulder, large, downtooled lip
22-3	12	E side	1	food related	glass	light green tint	mold-blown	bottle	fragment	lip and neck, flat lip
22-3	12	E side	1	food related	glass	light green tint	mold-blown	bottle	fragment	base, ovoid, embossed w "G"
22-3	12	E side	1	food related	glass	light green tint	mold-blown	bottle	fragment	lip, neck, and shoulder, flat lip
22-3	12	E side	1	food related	glass	light green tint	mold-blown	bottle	fragment	lip and neck, pouring spout on lip
22-3	12	E side	1	food related	glass	light green tint	mold-blown	bottle	fragment	lip and neck, flat lip
22-3	12	E side	1	food related	ceramic	porcelain	soft-paste	cup	fragment	rim and body, small, plain, straight-sided
22-3	12	E side	1	food related	glass	colorless	pressed	tumbler	fragment	base and body, 3 rows of small ribbing w/ peaked ribbed panel pattern near base
22-3	12	E side	1	medicinal	glass	brown	mold-blown	bottle	complete	cylindrical, 6" H, seam halfway up neck, prescription lip, faint embossing on base "WT & W"
22-3	12	E side	1	medicinal	glass	colorless	3-part mold	bottle	complete	chip in rim, prescription lip, rounded rectangular, 6.5" H, embossed on side vertically "AUGUST FRANK/PHARMACIST/TOWN OF UNION, N.J.", on base in keystone "M & CO." and "U.S.A."
22-3	12	E side	1	medicinal	glass	brown	mold-blown	bottle	complete	chip in rim, cylindrical, 6" H, applied prescription lip, seam to just above shoulder
22-3	12	E side	1	medicinal	glass	colorless	mold-blown	jar	complete	cylindrical, 2.5" H, patent finish, embossed "CHESEBROUGH MFG Co/VASELINE"
22-3	12	E-side clnup	3	food related	ceramic	earthenware	whiteware	cup	fragment	undecorated ironstone



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Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
22-3	12	E-side clnup	1	food related	glass	colorless	mold blown	bottle	fragment	base, mold seams on sides
22-3	12	E-side clnup	1	food related	glass	colorless	mold blown	bottle	fragment	shoulder to lip, flat flared lip
22-3	12	E-side clnup	1	food related	glass	colorless	mold blown	bottle	fragment	shoulder to lip, flat lip
22-3	12	E-side clnup	1	food related	glass	colorless	mold blown	bottle	fragment	shoulder to lip, long neck, with down tooled lip
22-3	12	E-side clnup	1	food related	glass	light green tint	mold blown	bottle	fragment	shoulder to lip, long neck, flat lip
22-3	12	E-side clnup	1	food related	glass	light green tint	mold blown	bottle	fragment	base, with mold seam on part of remaining side
22-3	12	E-side clnup	1	food related	glass	light blue tint	mold blown	bottle	fragment	shoulder to lip, long neck, with down tooled lip
22-3	12	E-side clnup	1	food related	glass	dark teal	mold blown	bottle	fragment	shoulder to lip, with flared rim and rounded lip
22-3	12	E-side clnup	1	food related	ceramic	porcelain		finial	complete	blue glaze
22-3	12	inside	1	architectural	metal	iron	cut	nail	complete	3 1/2"
22-3	12	inside	1	food related	ceramic	earthenware	whiteware	handle	fragment	blue transferprint
22-3	12	inside	1	personal	glass	colorless	mold made	stopper	fragment	heart shape for bottle - possilby perfume
22-3	12	inside	1	personal	ceramic	porcelain	mold made	doll	fragment	partial shoulder and head, hand painted with black hair blue eyes, red mouth and cheeks, embossed "Pat.Dec.7/80, Manufactured by Bawo & Dotter, Germany
22-3	12	inside	1	unaffiliated	organic	wood		unidentified	fragment	
22-3	12	N-side clnup	1	architectural	metal	iron	unidentified	nail	fragment	
22-3	12	N-side clnup	1	architectural	glass	colorless	flat	window	fragment	
22-3	12	N-side clnup	1	food related	ceramic	earthenware	cream-colored	vessel	fragment	
22-3	12	N-side clnup	3	food related	ceramic	earthenware	whiteware	vessel	fragment	
22-3	12	N-side clnup	2	food related	ceramic	earthenware	whiteware	plate	fragment	with mark for Sampson Bridgwood & Son, Staffordshire 1885+
22-3	12	N-side clnup	1	food related	ceramic	earthenware	whiteware	plate	fragment	with mark for Knowles, Taylor, and Knowles, East Liverpool, Ohio Co., ca. 1890

## APPENDIX 1: Catalog of Artifacts from Identified Features

Dock Street Site

Trench	Feature	Level	No.	Functional Group	Class	Material	Type	Object	Part	Description
22-3	12	N-side clnup	1	food related	ceramic	earthenware	whiteware	vessel	fragment	red spatter design
22-3	12	N-side clnup	1	food related	glass	colorless	machine made	bottle	fragment	round base with embossed "A 1"
22-3	12	N-side clnup	1	food related	glass	dark green	mold blown	bottle	fragment	
22-3	12	N-side clnup	1	food remains	organic	shell	soft shell clam	shell	fragment	
22-3	12	N-side clnup	2	lighting	glass	colorless		lamp chimney	fragment	
22-3	12	N-side clnup	2	personal	stone	marble		marble	complete	with traces of hand painted lines
22-3	12	N-side clnup	1	personal	metal	copper alloy		cannister	half	possibly snuff cannister base
22-3	12	N-side clnup	1	personal	organic	bone		handle	fragment	possibly for button hook or small utensil
22-3	12	N-side clnup	3	unaffiliated	other		anthracite	coal	fragment	two are very large
22-3	12	N-side clnup	2	unaffiliated	metal	copper alloy		wire	fragment	v thin
22-3	12	N-side clnup	1	unaffiliated	metal	white metal		unidentified	fragment	cut, and molded thin rod
22-3	12	N-side clnup	1	unaffiliated	metal			can	fragment	filled with unknown material
	12	E-side clnup	1	food related	ceramic	earthenware	buff-bodied	vessel	fragment	brown glaze with slip-decorated - trailed lines
23-1	12	E-side clnup	1	food related	ceramic	porcelain	hard-paste	plate	fragment	Chinese export with blue and white design
23-1	12	E-side clnup	1	food related	ceramic	earthenware	whiteware	vessel	fragment	blue and white transferprint, rim
23-1	12	E-side clnup	1	food related	ceramic	earthenware	redware	bottle	fragment	exterior - no glaze, interior tan glaze with ridges
23-1	12	E-side clnup	1	medicinal	glass	light blue tint	mold blown	bottle	fragment	embossed M"RS WINSLOW'S"/ SOOTH"ING SYRUP"/ CURTI"S & PERKINS"/ PRO"PRIETORS", 1849- 1911
23-1	12	E-side clnup	1	personal	stone		slate	pencil	fragment	

**Recovered Faunal Material Feature 1, TR 26-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
Clean-up top of brick	3	long bone shaft fragments	large terrestrial mammal, adult
Clean-up top of brick	1	long bone shaft fragment	large terrestrial mammal, manufacturing waste (polished)
Clean-up top of brick	6	vertebrae fragments	medium terrestrial mammal, adult, one sawed - medium tooth saw
Clean-up top of brick	1	long bone shaft fragment	medium terrestrial mammal, adult
Clean-up top of brick	4	dorsal rib fragments	medium terrestrial mammal, adult, two sawed - medium tooth saw
Clean-up top of brick	1	rib fragment	medium terrestrial mammal, adult
Clean-up top of brick	1	ilium neck fragment	sheep/goat, adult, sawed - medium tooth saw
Clean-up top of brick	1	acetabulum with ischium fragmen	sheep/goat, mature adult
Clean-up top of brick	1	calcaneus (left)	sheep/goat, adult, weathered
Clean-up top of brick	1	maxillary incisor	rodent
Upper level	2	rib fragment	medium terrestrial mammal, adult
Upper level	1	vertebra fragment	medium terrestrial mammal, adult
Upper level	2	vertebrae fragments	medium terrestrial mammal

**Recovered Faunal Material Feature 3, TR 26-1**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
Expansion to north, ca. 2.2 m below n wall, Fill over brick	1	distal humerus shaft fragment	cow, mature adult
Expansion to north, ca. 2.2 m below n wall, Fill over brick	1	distal radius shaft fragment	pig, juvenile

**Recovered Faunal Material Feature 4, TR 27-1**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
Poss builder's trench on west side, 90-140cmbs	1	dorsal rib fragment	large terrestrial mammal, sawed cow, mature adult, sawed - coarse tooth
Poss builder's trench on west side, 90-140cmbs	1	tibia mid-shaft fragment	
Poss builder's trench on west side, 90-140cmbs	1	ventral rib fragment	medium terrestrial mammal sheep/goat, mature adult, sawed - medium tooth, rat gnaw marks
Poss builder's trench on west side, 90-140cmbs	1	mid shaft tibia fragment	

**Recovered Faunal Material Feature 4, TR 27-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
Area D, S. wall, dark band of fill under stone	1	dorsal rib fragment	large terrestrial mammal, adult, sawed
Area D, S. wall, dark band of fill under stone	1	rib fragment	large terrestrial mammal, adult, sawed - medium tooth saw

**Recovered Faunal Material Feature 5**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
adjacent to F. 5, 14' bs	1	ilium blade (right)	cow, mature adult
adjacent to F. 5, 14' bs	1	sacrum fragment	cow, mature adult
adjacent to F. 5, 14' bs	1	metarsus shaft	cow, mature adult

**Recovered Faunal Material Feature 5, TR 27-1**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
TR 21-1, basement fill	1	radius shaft	sheep/goat, adult

TR 21-1, basement fill	1	femur shaft (right)	sheep/goat, young adult, canine gnaw marks
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**Recovered Faunal Material Feature 6, TR 27-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
Area F, fill around feature	3	rib fragments	medium terrestrial mammal

**Recovered Faunal Material Feature 8, TR 27-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
Level 1	1	rib fragment	cow, mature adult
Level 1	1	vertebra fragment	medium terrestrial mammal
Level 1	1	long bone shaft fragment	medium terrestrial mammal
Level 5	1	molar fragment	cow, adult
Level 5	1	radius shaft (left)	cow, mature adult, sawed - coarse tooth
Level 5	1	distal femur (left)	cow, mature adult, sawed - medium tooth
Level 5	1	proximal tibia (right)	cow, mature adult, sawed - medium tooth
Level 5	1	navicular-cuboid (left)	cow, mature adult
Level 5	1	dorsal rib fragment (right)	cow, mature adult
Level 5	1	long bone shaft fragment	large terrestrial mammal
Level 5	6	rib fragments	medium terrestrial mammal
Level 5	1	thoracic vertebra	sheep/goat, cleaved transverse aspect
Level 5	1	distal femur (right)	sheep/goat, young adult, sawed - medium tooth saw
Level 5	1	tibia shaft fragment	sheep/goat, adult
Level 5	2	cranial fragments	fish
Level 5	7	spines	fish
Level 5	2	scale	fish
Level 7	1	proximal radius	duck, adult
	3	spine	fish

**Recovered Faunal Material Feature 11, TR 23-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
clean-up at top of feature, 53" bs	1	long bone shaft fragment	medium terrestrial mammal, adult
clean-up at top of feature, 53" bs	5	rib fragments	medium terrestrial mammal, adult
clean-up at top of feature, 53" bs	1	femur shaft fragment	sheep/goat, mature adult, sawed - medium tooth
clean-up at top of feature, 53" bs	1	sacral fragment	sheep/goat, mature adult
clean-up at top of feature, 53" bs	1	distal medipodial epiphysis	pig, young adult
clean-up at top of feature, 53" bs	1	humeral shaft fragment	turkey, adult
clean-up at top of feature, 53" bs	1	femur (left)	turkey, adult
clean-up at top of feature, 53" bs	5	long bone shaft fragments	bird, adult
surface clean-up	1	ventral rib fragment	large terrestrial mammal, adult, knife marks and medium tooth saw cut
surface clean-up	1	long bone shaft fragment	large terrestrial mammal, adult, sawed - coarse tooth saw
surface clean-up	1	scapula fragment glenoid region (	sheep/goat, mature adult, sawed - medium tooth
clean-up north side	1	metatarsal (IV)	pig, young adult
clean-up north side	1	scapula shaft fragment	chicken, adult
Level 1	3	long bone shaft fragments	large terrestrial mammal, adult, calcined
Level 1	1	long bone shaft fragments	large terrestrial mammal, young adult, sawed - medium tooth saw
Level 1	1	femur shaft fragment	cow, adult, sawed - medium tooth saw
Level 1	15	vertebrae fragments	medium terrestrial mammal, adult
Level 1	5	dorsal rib fragments	medium terrestrial mammal, adult

Level 1	18	ventral rib fragments	medium terrestrial mammal, adult, three calcined, two sawed - medium tooth saw
Level 1	1	costal cartilage fragment	medium terrestrial mammal
Level 1	1	long bone shaft fragment	medium terrestrial mammal
Level 1	1	femur (right)	sheep, mature adult
Level 1	1	patella (right)	sheep/goat, mature adult
Level 1	1	proximal tibia (right)	sheep, mature adult
Level 1	2	fibula fragments	pig, juvenile
Level 1	1	distal medipodial epiphysis	pig, young adult
Level 1	1	intermediate phalynx	pig, young adult
Level 1	1	humeral shaft fragment	turkey, adult, female
Level 2	1	humeral shaft fragment (left)	chicken, adult
Level 2	1	vertebra fragment	large terrestrial mammal, adult
Level 2	5	costal cartilage fragments	cow, adult
Level 2	8	vertebrae fragments	medium terrestrial mammal, adult, three calcined
Level 2	6	scapula fragments (right)	sheep/goat, mature adult sheep/goat, mature adult, sawed -
Level 2	1	mid shaft femoral fragment	medium tooth
Level 2	1	femur (left)	sheep, mature adult
Level 2	1	cranial scapula fragment	chicken, adult
Level 2	1	long bone shaft fragment	galliform, adult
Level 3	1	ulna shaft fragment	galliform, adult
Level 4	1	tibiotarsus shaft fragment	galliform, adult
Level 5	1	rib fragment	bird, adult

**Recovered Faunal Material Feature 11, TR 23-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
East Side	3	long bone shaft fragments	large terrestrial mammal, calcined
East Side	2	rib fragments	large terrestrial mammal, calcined
East Side	1	vertebra fragment	large terrestrial mammal, calcined
East Side	2	long bone shaft fragments	large terrestrial mammal, sawed - medium tooth saw

East Side	2	ventral rib fragments	large terrestrial mammal, sawed - medium tooth saw, one with canine gnaw marks, one with rat gnaw marks
East Side	1	dorsal rib fragments	large terrestrial mammal, sawed - coarse tooth saw
East Side	4	costal cartilage fragments	cow, adult
East Side	2	mid shaft femoral fragments	cow, mature adult, sawed - coarse tooth
East Side	2	distal third femur shaft fragment	cow, mature adult, sawed - coarse tooth
East Side	1	ilium neck fragment	cow, mature adult, sawed - coarse tooth
East Side	5	long bone shaft fragments	medium terrestrial mammal
East Side	6	vertebrae fragments	medium terrestrial mammal
East Side	13	dorsal rib fragments	medium terrestrial mammal
East Side	8	ventral rib fragments	medium terrestrial mammal
East Side	1	axis vertebra fragment	sheep/goat, mature adult
East Side	2	radii shaft fragments	sheep/goat, mature adult, one with canine gnaw marks
East Side	1	pubis	sheep/goat, adult, burned
East Side	1	ilium	sheep/goat, mature adult, unidentified saw marks, one with canine gnaw marks
East Side	1	innominate (right)	sheep/goat, mature adult, sawed at ilium neck, medium tooth saw, active lesion in acetabulum, canine gnaw marks
East Side	6	innominate (left)	sheep/goat, mature adult, broken at ilium neck, two with canine gnaw marks
East Side	1	femur (left)	sheep/goat, juvenile
East Side	1	femur (left)	sheep/goat, mature adult
East Side	1	femur (left)	sheep/goat, young adult
East Side	1	proximal tibia (right)	sheep, mature adult
East Side	1	proximal tibia (left)	sheep/goat, mature adult, green bone and spiral fracture
East Side	3	distal tibia (left)	sheep/goat, mature adult, one burned
East Side	1	innominate (left) fragment	pig, young adult, broken at ilium neck



APPENDIX 2: Catalog of Faunal Material from Identified Features

Dock Street Site

East Side	1	humeral shaft fragment	chicken, adult
East Side	1	scapula (left)	chicken, adult
East Side	1	carpometacarpus (right)	chicken, adult
East Side	1	femur (right)	chicken, adult
East Side	2	dorsal rib fragment (right)	turkey, adult, one has cat gnaw marks
East Side	1	carpometacarpus (left)	turkey, adult
East Side	1	ulna shaft fragment	galliform, adult
South Side	1	vertebra fragment	large terrestrial mammal, adult
South Side	1	long bone shaft fragment	large terrestrial mammal, calcined
South Side	1	long bone shaft fragment	medium terrestrial mammal, adult
South Side	2	rib fragments	medium terrestrial mammal, adult
South Side	1	ischium (right)	sheep/goat, mature adult
South Side	1	long bone shaft fragment	bird, adult
South Side	1	cranial fragment	fish
North side	1	vertebra fragment	large terrestrial mammal, adult
North side	1	long bone shaft fragment	medium terrestrial mammal, adult, calcined
North side	8	vertebrae fragments	medium terrestrial mammal, adult, one cleaved
North side	1	dorsal rib fragment	medium terrestrial mammal, adult
North side	1	ventral rib fragment	medium terrestrial mammal, adult
North side	1	distal femoral shaft fragment	sheep/goat, adult, sawed - medium tooth saw
North side	1	intermediate phalynx	pig, young adult
North side	3	sternum fragments	anseriform, adult
North side	4	long bone shaft fragments	galliform, adult
clean-up	1	ventral rib fragment	medium terrestrial mammal, adult
clean-up	1	innominate (lright) fragment	sheep/goat, mature adult, broken at ilium neck, with canine gnaw marks
clean-up	1	proximal tibia (left) fragment	sheep, mature adult
clean-up	1	proximal radius	goose, adult

**Recovered Faunal Material Feature 11, TR 23-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
N side of Test Pit 1	2	long bone shaft fragments	large terrestrial mammal, adult, sawed - medium tooth saw, knife marks
N side of Test Pit 1	1	dorsal rib fragment	large terrestrial mammal, adult, sawed - medium tooth saw
N side of Test Pit 1	1	distal humerus fragment	cow, juvenile
N side of Test Pit 1	1	calcaneus	cow, juvenile
N side of Test Pit 1	1	costal cartilage fragment	cow, adult
N side of Test Pit 1	5	vertebrae fragments	medium terrestrial mammal, adult, evidence of saw marks and canine gnaw marks
N side of Test Pit 1	10	long bone shaft fragments	medium terrestrial mammal, adult
N side of Test Pit 1	1	long bone shaft fragment	medium terrestrial mammal, calcined
N side of Test Pit 1	1	dorsal rib fragment	medium terrestrial mammal, adult
N side of Test Pit 1	6	ventral rib fragments	medium terrestrial mammal, adult
N side of Test Pit 1	1	scapula fragment glenoid region	sheep/goat, mature adult, sawed - medium tooth
N side of Test Pit 1	1	acetabulum fragment (right)	sheep/goat, adult
N side of Test Pit 1	1	ischium (right)	sheep/goat, young adult
N side of Test Pit 1	1	femur (left)	sheep/goat, young adult
N side of Test Pit 1	1	proximal tibia fragment (right)	sheep/goat, mature adult, calcined
N side of Test Pit 1	1	cranial fragment	pig, adult
N side of Test Pit 1	1	medipodial shaft fragment (V)	pig, adult
N side of Test Pit 1	1	tibia shaft fragment (left)	pig, adult
N side of Test Pit 1	1	proximal ulna fragment (right)	turkey, adult
N side of Test Pit 1	1	distal ulna fragment (right)	turkey, adult
N side of Test Pit 1	1	cranial fragment	fish

**Recovered Faunal Material Feature 12, TR 22-3**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
Interior Sands house	2	rib fragments	large terrestrial mammal, adult, sawed - medium tooth saw, one is burned

Interior Sands house	1	distal humerus fragment	cow, mature adult, sawed - medium tooth saw, calcined, cleaved
Interior Sands house	1	tibia shaft fragment (left)	sheep/goat, mature adult
Interior Sands house	1	fibula shaft fragment	pig, juvenile
Interior Sands house	1	ulna shaft fragment	goose, adult
Interior Sands house	1	tibiotarsus shaft fragment	galliform, adult
clean-up	2	flat bone fragments	large terrestrial mammal, adult
East Side clean-up	1	distal humerus epiphysis	cow, juvenile medium terrestrial mammal, adult,
East Side clean-up	1	dorsal rib fragment	canine puncture mark
East Side clean-up	1	femur shaft (right)	sheep/goat, adult

**Recovered Faunal Material Feature 13, TR 22-3**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
ash/refuse	1	ischium (left)	cow, mature adult
ash/refuse	2	vertebrae fragments	medium terrestrial mammal, adult, one sawed
ash/refuse	3	long bone shaft fragments	medium terrestrial mammal, adult, one calcined
ash/refuse	4	dorsal rib fragments	medium terrestrial mammal, adult, one calcined
ash/refuse	3	ventral rib fragments	medium terrestrial mammal, adult
ash/refuse	2	radius shaft fragments	sheep/goat, adult, one has green fracture, one has canine gnaw marks
ash/refuse	1	proximal tibia shaft (right)	sheep/goat, adult
ash/refuse	1	proximal phalynx	sheep/goat, mature adult
ash/refuse	1	unerupted molar (1)	pig, juvenile
ash/refuse	8	long bones	rat (MNI=2)
ash/refuse	8	long bones	mouse (MNI=2)
ash/refuse	1	radius	chicken, adult
ash/refuse	1	proximal ulna shaft fragment	chicken, adult
ash/refuse	1	tibiotarsus shaft fragment	chicken, adult
ash/refuse	1	long bone fragment	large terrestrial mammal, adult

**Recovered Faunal Material Feature 14, TR 23-1**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
refuse deposit	1	dorsal rib fragment	large terrestrial mammal, adult
refuse deposit	1	ventral rib fragment	large terrestrial mammal, adult, sawed - medium tooth saw
refuse deposit	2	long bone shaft fragments	large terrestrial mammal, adult, one sawed
refuse deposit	1	proximal femur shaft fragment	cow, mature adult, sawed - medium tooth saw
refuse deposit	10	rib fragments	medium terrestrial mammal, adult
refuse deposit	3	long bone shaft fragments	medium terrestrial mammal, adult, one calcined
refuse deposit	2	vertebrae fragments	medium terrestrial mammal, adult
refuse deposit	1	intermediate phalynx	pig, adult, calcined
refuse deposit	2	vertebrae fragments	bird, one calcined
refuse deposit	1	long bone shaft fragment	bird, calcined
refuse deposit	1	humeral shaft fragment (left)	chicken, adult, female
refuse deposit	2	ulna fragments (right)	chicken, adult, calcined
refuse deposit	2	radius shaft fragments	chicken, adult, calcined
refuse deposit	1	distal tibiotarsus (left)	chicken, adult, calcined

**Recovered Faunal Material Feature 17, TR 23-1**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
	1	humeral head	cow, young adult, sawed - medium tooth saw and cleaved
	1	long bone shaft fragment	medium terrestrial mammal, adult
	1	dorsal rib fragment	medium terrestrial mammal, adult
	1	vertebra fragment	medium terrestrial mammal, adult
	1	proximal ulna (left)	sheep/goat, mature adult
	1	intermediate phalynx, proximal ep	pig, young adult, calcined
	1	long bone shaft fragment	bird, adult
	2	rib fragment	rodent
west 1/3	3	long bone shaft fragments	medium terrestrial mammal, adult

west 1/4	1	distal metacarpus fragment	sheep/goat, mature adult, cleaved
west 1/5	1	trachea ring	bird, adult
west 1/6	1	spine	fish

**Recovered Faunal Material Feature 18, TR 23-1**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
NE corner, bone pocket	2	vertebrae fragments	large terrestrial mammal, adult
NE corner, bone pocket	5	vertebrae fragments	medium terrestrial mammal, adult
NE corner, bone pocket	4	rib fragments	medium terrestrial mammal, adult
NE corner, bone pocket	2	long bone shaft fragments	medium terrestrial mammal, adult
NE corner, bone pocket	1	medipodial shaft fragment	pig
NE corner, bone pocket	7	medipodia	cat, young adult
NE corner, bone pocket	1	humerus (right)	cat, neonatal
NE corner, bone pocket	1	cervical vertebra	chicken, adult
NE corner, bone pocket	1	ulna (right)	chicken, adult
NE corner, bone pocket	1	proximal tibiotarsus	chicken, fledgling
NE corner, bone pocket	1	tarsometatarsus (left)	duck, adult
NE corner, bone pocket	1	mandible	passerine, adult
NE corner, bone pocket	1	coracoid (right)	passerine, adult
NE corner, bone pocket	2	long bone shaft fragments	bird, adult
NE corner, bone pocket	2	sternum fragments	bird, adult
NE corner, bone pocket	8	spine	fish
NE corner, bone pocket	1	skull	fish
NE corner, bone pocket	5	scales	fish
NE corner, bone pocket	2	vertebrae fragments	fish
370 cmbs	1	flat bone fragment	large terrestrial mammal, adult, sawed - medium tooth saw
370 cmbs	1	rib fragment	medium terrestrial mammal, adult, sawed - medium tooth saw
370 cmbs	2	long bone shaft fragments	medium terrestrial mammal, adult, sawed - medium tooth saw
370 cmbs	1	humerus (left)	rat, mature adult
370 cmbs	1	cervical vertebra	chicken, adult
370 cmbs	1	cranial fragment	fish
370 cmbs	2	spine	fish

North 370-425 cmbs	6	long bone shaft frags	Large Terrestrial Mammal, 5 are sawed with medium tooth saw, 1 has knife marks
North 370-425 cmbs	1	ilium blade	Cow, sawed with medium toot saw, mature adult
North 370-425 cmbs	1	pubis	Cow, sawed with medium toot saw, mature adult
North 370-425 cmbs	1	scaphoid	Cow, mature adult, arthritic
North 370-425 cmbs	1	magnum	Cow, mature adult, arthritic
North 370-425 cmbs	2	rib fragments	medium terrestrial mammal
North 370-425 cmbs	1	long bone shaft fragment	medium terrestrial mammal
North 370-425 cmbs	11	vertebrae fragments	medium terrestrial mammal, 1 sawed with medium tooth saw
North 370-425 cmbs	1	thoracic vertabra	sheep/goat, young adult, cleaved on transverse aspect
North 370-425 cmbs	2	lumbar vertebrae	sheep/goat, young adult, cleaved on transverse aspect
North 370-425 cmbs	1	ischium (left)	sheep/goat, juvenile
North 370-425 cmbs	1	acetabulum (left)	sheep/goat, adult
North 370-425 cmbs	1	ischium (right)	sheep/goat, young adult
North 370-425 cmbs	1	acetabulum (right)	sheep/goat, young adult
North 370-425 cmbs	4	left femur (unfused)	sheep, young adult
North 370-425 cmbs	1	patella (left)	sheep/goat, mature adult, arthritic
North 370-425 cmbs	2	rib fragments	pig, adult
North 370-425 cmbs	1	proximal radius	pig, mature adult, sawed - medium tooth
North 370-425 cmbs	1	distal femur shaft fragment	pig, juvenile
North 370-425 cmbs	1	distal femur epiphysis (left)	pig, juvenile, active lesion on lateral condyle
North 370-425 cmbs	2	proximal tibia (right) (unfused)	pig, juvenile, sawed - medium tooth
North 370-425 cmbs	2	metatarsal (IV) unfused	pig, young adult
North 370-425 cmbs	1	distal phalanx (left) fragment	pig, young adult
North 370-425 cmbs	1	coracoid (left)	chicken, fledgling
North 370-425 cmbs	1	pelvis fragment	chicken, fledgling
North 370-425 cmbs	1	humerus fragment	chicken, fledgling
North 370-425 cmbs	1	distal tarso metatarsus	chicken, fledgling
North 370-425 cmbs	1	distal humerus (left)	chicken, adult
North 370-425 cmbs	1	humeral shaft fragment	chicken, adult

APPENDIX 2: Catalog of Faunal Material from Identified Features

Dock Street Site

North 370-425 cmbs	1	radius	chicken, adult
North 370-425 cmbs	1	ilium blade	chicken, adult
North 370-425 cmbs	1	sacrum	chicken, adult
North 370-425 cmbs	1	femur (left)	chicken, adult
North 370-425 cmbs	1	femur (right)	chicken, adult
North 370-425 cmbs	1	distal tibiotarsus (left)	chicken, adult
North 370-425 cmbs	1	tibiotarsus shaft fragment	chicken, adult
North 370-425 cmbs	1	proximal fibula	chicken, adult
North 370-425 cmbs	1	tarsometatarsus (left)	chicken, adult, female
North 370-425 cmbs	1	cervical vertebra	turkey, adult
North 370-425 cmbs	1	tibiotarsus shaft fragment	turkey, adult
North 370-425 cmbs	1	ulna (left)	duck, adult
North 370-425 cmbs	1	carpometacarpus (left)	duck, adult
North 370-425 cmbs	1	femur (right)	duck, adult
North 370-425 cmbs	3	cranial fragments	fish, cod family
North 370-425 cmbs	1	dentry (left)	fish, cod family
North 370-425 cmbs	2	cranial fragments	fish, Atlantic Cod
North 370-425 cmbs	3	caudal vertebrae	fish, Atlantic Cod

**Recovered Faunal Material Feature 19, TR 22-3**

Location	#	Bone	Detail
Inside addition	1	proximal tibia epiphysis fragment	cow, young adult
Inside addition	1	femur shaft (right)	sheep/goat, adult
Inside addition	1	calcaneus (right)	sheep/goat, young adult
Inside addition	1	distal humerus shaft fragment	chicken, adult
Inside addition	6	tarsometatarsus shaft	chicken, adult

**Recovered Faunal Material Feature 20, TR 21-1**

Location	#	Bone	Detail
wall clean-up	8	dorsal rib fragment (from one bon	large terrestrial mammal, adult
			medium terrestrial mammal, adult, cut
wall clean-up	1	flat bone fragment	with fine tooth saw

**Recovered Faunal Material Feature 21, TR 21-1**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
Feature fill	1	distal third femur shaft fragment	cow, adult, sawed - medium tooth saw cow, adult, sawed - medium tooth saw, green fracture (manufacturing
Feature fill	2	proximal third femur shaft fragme	marks/waste)
Feature fill	1	ulna shaft fragment	cow, adult, sawed - medium tooth saw
Feature fill	2	ventral rib fragments	cow, adult, sawed - medium tooth saw cow, young adult, sawed - medium
Feature fill	1	distal femoral shaft fragment (unf	tooth saw pig, young adult, sawed - medium
Feature fill	1	scapula (left) glenoid region	tooth saw
Feature fill	1	tibiotarsus shaft fragment	chicken, adult

**Recovered Faunal Material Feature 22, TR 22-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
	1	ventral rib fragment	medium terrestrial mammal, adult
	1	fibula shaft fragment	pig, juvenile
	2	proximal radius fragments	turkey, adult
	2	rib fragments	turkey, adult
	1	proximal femur fragment (right)	chicken, adult
	1	femur (left)	chicken, adult
	2	dorsal rib fragments	medium terrestrial mammal, adult
	2	ventral rib fragments	medium terrestrial mammal, adult
	1	flat bone fragment	medium terrestrial mammal, adult
	1	fibula shaft fragment	pig, adult
	1	sternum fragment	galliform, adult
	1	radius	chicken, adult



**Recovered Faunal Material Feature 23, TR 22-2**

<b>Location</b>	<b>#</b>	<b>Bone</b>	<b>Detail</b>
	1	ventral rib fragment	large terrestrial mammal, adult, sawed - medium tooth saw
	1	long bone shaft fragment	medium terrestrial mammal
	1	flat bone fragment	medium terrestrial mammal, adult, sawed - medium tooth saw
	2	long bone shaft fragments	medium terrestrial mammal, adult
	1	distal radius shaft fragment	sheep/goat, young adult
	1	proximal radius (left)	sheep/goat, mature adult
	1	distal metacarpus	sheep/goat, young adult
	1	tibia shaft fragment (left)	pig, juvenile, sawed - medium tooth
	1	scapula (left)	chicken, adult
	1	distal coracoid (left)	chicken, adult
	1	distal tarso metatarsus (right)	chicken, adult, male

## APPENDIX 3: Report on the Fish Deposit (Feature 15)

### The “Fish Pit”: first findings from a unique deposit from the Dock Street Site, Brooklyn, New York<sup>1</sup>

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#### Introduction:

The recovery of Feature 15 in Trench 23-1 represents a unique deposit reflecting the original Brooklyn shoreline along the East River. This feature was identified by the excavation team as the “fish pit” due to the fact that the deposit contained a huge number of fish remains in a carbonized soil. The initial interpretation for this feature is a pit dug into a mid 19<sup>th</sup> century surface of yellow beach sand. A more refined date range (S. Mascia pers. com 2013 and this volume’s dating discussion) places this deposit between the 1840s to the 1870s.

This date range has a number of important environmental implications. This mid 19<sup>th</sup> century date places this deposit at the height of the New York harbor, Hudson and East Rivers fin fishery (Greenberg 2010; Kurlansky 1997, 2006). This same date also places this fish bone collection just before the early 20<sup>th</sup> century’s massive overfishing effort and depletion of the North Atlantic fish stocks (Amorosi et al. 1994; Astthorsson et al. 1994; Vickers 1995). The fish remains from this feature do not reflect the various biological signatures of overfishing stress, as evident with body length reductions and breeding maturity at much earlier age cohorts. Because of this fact alone, this collection becomes a much needed data point in understanding of this fin fishery’s biogeography and demography.

#### Subsampling the Feature:

Because of the density of fish remains in this feature, it was decided to recover the contents of the entire deposit, hence the use of a bulk faunal and soil sample. The fish remains literally number in the thousands of bone fragments and scales. A great deal of time is required to carefully sieve, sort, identify, provide an osteometric size analyses and

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<sup>1</sup> This report was prepared for Dr. Sara Mascia, Historical Perspectives, Inc., P.O. Box 529 Westport, CT. 06881, Tel: (203) 226-7654. This report represents original research and cannot be used without consent of the author. This report is copyrighted by the author (© 2013 Thomas Amorosi) and licensed to Dr. Sara Mascia. Any subsequent use is an infringement of this notice. All comments or suggestions can be forwarded to the author at: E-mail address - tamorosi@ix.netcom.com or Telephone (718) 832-2873.

seasonality assessments of the represented taxa. Because of time constraints (the disadvantage of using a bulk sample recovery), it was decided to subsample the feature deposit. A ¼ subsample by weight of the “fish pit” feature was examined in order to work within the project’s time frame.

Normally in Research oriented Zooarchaeological analyses the use of a subsample is thought to be prone to error (Amorosi 1996). All too often the recovered species diversity for small sized terrestrial and marine taxa are under represented. It is conceivable that the Dock Street subsample is a non-representative sample for its species diversity. But instead of arguing from either a half empty or half full perspective, it is better to assess what is at hand at this time. Further analysis of this collection will continue, but the species diversity reported here is fairly indicative of the fish taxa within this collection.

The subsample then represents ¼ of the recovered feature. The feature soil was sieved through a nested set of screens starting at 4 mm. (#5 mesh) and ending at 250 µm. (#60 mesh). The recovered fish remains that are diagnostically identifiable were captured at a 2 mm. or larger interval. Fragments of fish bone smaller than 2 mm. were noted not to be diagnostic using low power stereoscopic microscopes. This portion (<2 mm.) of the subsample was saved with the associated soil for future analysis.

#### Taphonomy and Diagenesis of the Fish Pit:

There are a number of Taphonomic observations that can be made at this time:

1. The excavators had noted that the feature contents were burnt. Under low power magnification, however, the fish remains are not burnt but covered with a fine carbon-like dust. It is probable that the fish remains were placed in the feature after the deposit was burnt and had cooled. This allowed for the remains to be coated with the carbon dust.
2. It was assumed in the field and initial discussion with Dr. Mascia, that only one fish species was presented. This is not the case as there are multiple fish groups present in the subsample.
3. Only fish remains (along with 3 burnt seeds) were recovered from the subsample. There is no evidence of mollusks and insect fragments in the associated soil. This suggests a quick deposition of the fish remains as mollusks and insects would normally act as decomposers of the dead fish carcasses. Supporting this observation is the lack of evidence of bird, rodent and small carnivore gnawing, and again suggesting quick deposition.
4. There are two general age cohorts of fish, adult and newly hatched fry. Under low power magnification, the fry’s bone surface texture is consistent with stomach acid etched bone, suggesting that these tiny fish were the gut content of the adult fish. This further suggests that whole and not gutted fish were placed into this feature deposit.

5. The fish remains are fragmented and not whole as would be expected in a primary deposit. Why this is the case were probably due to the diagenesis of the fish bones in a wet sandy substrate as the feature soils are compressed over time. No in-situ soil pH or soil chemistry was performed in the field, therefore further laboratory soil tests will have to be conducted. Nonetheless, all the skeletal remains have a lighter heft or weight than expected suggesting a geochemical process was leaching the bone's minerals and collagen content. Cranial skeletal elements are the highly fragmented making the identification of taxa extremely difficult. Likewise fish scales are the most numerous part of this collection but are also fragmentary. The otoliths (ear bones) are chalky and damaged.

6. There is lack of artifactual materials in the subsample as well. Only three small fragments of window glass and 3 burnt seeds (as noted above) were recovered.

#### Represented Taxa:

The identification of fragmentary fish bone is difficult at best and this collection will require hundreds more man hours working with microscopes and a large reference fish skeletal collection. Fortunately, the dry skeletal collection of the Department of Ichthyology at the American Museum of Natural History has been made available in addition to the author's reference specimens.

Although counts of bone will have to be presented at a later time, the presence of common game fish to the New York City literal and brown water habitats are noted.

Taxa present in this collection are:

#### Class Osteichthyes – Bony Fish

##### Order Lepisosteiformes (Gars)

Although not numerous, two scutes (body scales) were recovered from this subsample.

##### Order Cluppeiformes (Shads)

As noted by numerous scales belonging to mature age cohorts.

##### Order Perciformes

###### Family Percidae (Perches)

The small “gut content fry” or juveniles and the scales belonging to mature age cohorts.

###### Family Labridae (Wrasses)

As noted by numerous isolated teeth from juvenile individual(s).

###### Family Pomatomidae (Bluefish)

As noted by 8 vertebrae of mature age cohorts that are probably assignable to *Pomatomus saltatrix*.

##### Order Gadiformes (Codfish)

###### Family Gadidae

One vertebra assigned to *Gadus morhua* (Atlantic Cod) and probably a matched pair of otolith assigned to *Microgadus sp.* (Atlantic Tomcod). There are also four other otoliths that are badly eroded but still assigned to the Gadidae.

#### Possible Seasonal Assessment of the Deposit:

Although determining the seasonality of capture based upon the taxa that are present is often prone to error (Diamond and Amorosi nd - 2013; Reitz et al. 2012a & b), sometimes the mix of taxa can provide a clue. Prior to the most recently observed collapse of the North Atlantic fin stocks of the 1980s to the 1990s, this mix of species is suggestive of a Late Summer to Early Fall season of capture (Greenberg 2010). In particular the presence of Bluefish and Cods indicate the Fall seasonal shift, when maritime species move off the Continental Shelf to feed on the migratory fry of freshwater species such as Perch.

#### Future Directions:

While this assessment is definitive of the taxa that are present in this Ichthyo-Archaeofauna, further work is needed to develop the environmental proxy data contained within these specimens. Such a project is beyond the scope of the current project and outside research funding is required. In the meantime, continued analysis is already in progress using both the author's laboratory and the dry skeletal laboratory at the American Museum.

#### Acknowledgements:

The use of the American Museum of Natural History's dry skeletal collection was kindly provided by two great collection managers, Barbara Brown and Rad Arrindell. At HPI, a thank you and a tip of the hat to Sara Mascia and Faline Schneiderman. Yes those "moose bones" are really a large moo!

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## The New York Times

February 28, 2013

# Out of the Debris, a Stone Goddess

By EVE M. KAHN

A stone goddess slumbered unseen for decades below a Brooklyn overpass. Last summer, it surfaced during archaeological digs, and now scholars are puzzling over it. An armless nude about three feet tall, the sculpture has thick, curly hair. It was found along Dock Street, near Front Street, once a hub for spice warehouses, so it has been named Ginger. Two Trees Management Company is building a mixed-use tower at the site.

“Ginger is a total surprise,” said Cece Saunders, an archaeologist who is the president of [Historical Perspectives Inc.](#), a cultural-resources consulting company that uncovered the 400-pound carving. It was trapped in mid-20th-century demolition debris, leftovers from previous waves of construction there. Excavating equipment accidentally damaged the face and body before anyone noticed the statue. The digs also turned up more expected artifacts, like 18th-century foundation stones and pottery shards.

Those who have seen Ginger have suggested that she may have originally served as a garden ornament, ship ballast or brothel advertisement. Perhaps a subsequent owner dumped her after a significant other took offense at her buxom nakedness. The sculptor probably had no formal training, but was definitely skilled. “The chisel marks seem quite refined,” [Carl F. Hammer](#), a Chicago dealer in outsider art, said in an e-mail after analyzing photos of Ginger. The neighborhood, after all, has long attracted creative types. “There’s been an artistic presence on that street going back to Francis Guy,” a landscape painter who settled nearby in the 1810s, said Nicholas Evans-Cato, an artist who often depicts Brooklyn scenery.

This spring scientists will analyze flecks of blue-green paint in Ginger’s hair, to see if the ingredients reveal anything about the artwork’s age and maker. While the mysteries linger, Two Trees keeps it on view in an office hallway. “Everybody kind of lights up when they see her,” said Hale Everets, a development manager at the company.

### Response:

From: **Dan Maloney** <[danmaloney1776@gmail.com](mailto:danmaloney1776@gmail.com)>

Subject: Statue under Brooklyn Bridge

To: [ev Kahn@compuserve.com](mailto:ev Kahn@compuserve.com)

Eve,

I read with interest your story on the statue unearthed at Front and Dock streets in

Brooklyn.

That site is the location of the house of my ancestor, Augustus Graham, founder of the Brooklyn Museum and general benefactor of Brooklyn. It would not surprise me that he had an art work at his home.

The first three pictures on this linked page all show that corner as it appeared in 1820.

<http://americangallery.wordpress.com/2010/09/14/francis-guy-1760-1820/>

The brick house on the left is his home, and the location where the statue was found.

After his death in 1851 the building was sold to the Brooklyn Gas Light Co. who took off the top floor, but otherwise left the building intact and used it as offices. It is visible in some views during the construction of the Brooklyn Bridge.

I do not know when that building was demolished and the more recent parking garage built in its place.