

REPORT ON
ARCHAEOLOGICAL WORK CONDUCTED FOR
THE GOVERNORS ISLAND PARK AND PUBLIC
SPACE PROJECT: PHASE 1
GOVERNORS ISLAND
NEW YORK, NEW YORK



Finishing touches to Soissons Landing in preparation for opening day, facing northwest (May 22, 2013)

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September 22, 2014

EXECUTIVE SUMMARY

This is a report on archaeological work conducted for the Governors Island Park and Public Space Project: Phase 1. This project involved excavation within the Governors Island National Historic Landmark District and the New York City Landmark District. This report is being prepared to comply with environmental review regulations and meets the standards of both the New York State Office of Parks, Recreation and Historic Preservation (SHPO) and the New York City Landmarks Preservation Commission (LPC). The work was conducted on behalf of The Trust for Governors Island (TGI) for Turner Construction Company and Commodore Construction Company by Linda Stone, RPA.

The Park and Public Space Project: Phase 1 (PPS) included excavations for a wide variety of park utilities and features including retaining walls, soil replacement, street lights, signs, electrical conduit, storm drainage, irrigation, water and gas. Research conducted to prepare the archaeological work plan documented areas of varying archaeological sensitivity and presented an approach to identify and document potentially significant resources. Previously identified archaeological sites potentially affected by the PPS project included the Andes Road cemetery, Andes Road Native American site, the Surgeon's House debris with associated brick walls site, the Governors House site, the Nolan Park Native American Site, the Dutch saw mill, the barracks and the Post/Pavilion Hospital, the Garrison Cemetery, the Magazine/Battery site, the brick foundation possibly dating from 1871 - 1986, and the Fort Columbus Cemetery.

Pre-construction archaeological work was conducted for the planned construction impacts in the areas of highest potential, including two historic cemeteries, a Native American site and numerous historic map-documented structures. Monitoring during construction excavations was completed for the remaining areas of lower archaeological potential. No evidence of burials or human remains was identified in the PPS project. Eight potentially significant archaeological features were found, including five historic map-documented structures/features. Two data recoveries were completed for structural remains of buildings that were mapped in 1906. Small pieces of those features were left *in situ*. All other features were either partially preserved or preserved in their entirety and reburied.

In addition to the archaeological features, monitoring resulted in the identification of two deposits of note: one comprised of a large number of glass bottles sherds and the other a concentration of kiln waste. Monitoring also enabled the documentation of soils, stratigraphy and deposition episodes. Excavation at numerous locations unearthed shallowly buried earlier surfaces, often of former roadway incarnations (asphalt) or buried sidewalks (brick).

No additional below ground work is planned for the Governors Island Park and Public Space Project: Phase 1. Archaeological recommendations for future projects include pre-construction documentation of the planned below ground work and pre-construction testing for locations of high and/or moderate potential. Monitoring is recommended for locations of lower potential and as otherwise may be appropriate to follow up the pre-construction testing.

SHPO MANAGEMENT SUMMARY FORM

SHPO Project Review Number (if available):

Involved State and Federal Agencies (DEC, CORPS, FHWA, etc): *Trust for Governors Island*

Phase of Survey: *1B/II/III*

Location Information:

Location: *Governors Island Historic District, New York City*

Minor Civil Division: *n/a*

County: *New York*

Survey Area (Metric & English): *Pre-construction Testing and Monitoring*

Length: *n/a*

Width: *n/a*

Depth: *n/a*

Number of Acres Surveyed: *parts of approximately 70 acres of designated Historic District*

Number of Square Meters & Feet Excavated (Phase II, Phase III only):
4 units and 2 shovel tests totaling 34.89 sq. ft. (3.24 sq. m.)

Percentage of the Site Excavated (Phase II, Phase III only): *n/a*

USGS 7.5 Minute Quadrangle Map: *Jersey City, NJ - NY*

Archaeological Survey Overview: *Shovel test, Test Units, Test Trenches (hand and machine excavated)*

Number & Interval of Shovel Tests: *6 spot locations*

Number & Size of Units: *4 total; 3 @ 2 x 6 feet (61 x 183 cm) & 1 @ 2 x 4 feet (61 x 122 cm)*

Number & Size of Test Trenches: *9 varying from 2 - 7 feet (61 - 213 cm) wide by 9 to 88 feet (274 - 26832 cm) long, total 804 sq. ft. (74.7 sq. m.)*

Width of Plowed Strips: *n/a*

Surface Survey Transect Interval: *n/a*

Results of Archaeological Survey:

Number & name of prehistoric sites identified: *0*

Number & name of historic sites identified: *8 - gasoline tank building, lead house, unknown building foundation, compost heap, conservatory, laundress quarters, wash house(s), wash/bath house*

Number & name of sites recommended for Phase II/Avoidance: *8 - all historic sites were at least partially preserved and reburied*

Results of Architectural Survey:

Number of buildings/structures/cemeteries within project area: *n/a*

Number of buildings/structures/cemeteries adjacent to project area: *n/a*

Number of previously determined NR listed or eligible buildings/structures/cemeteries/districts: *n/a*

Number of identified eligible buildings/structures/cemeteries/districts: *n/a*

Report Author(s): *Linda Stone, RPA*

Date of Report: *September 22, 2014*

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INTRODUCTION

The Trust for Governors Island (TGI) created a plan to develop the Island as a park. The project is called the Governors Island Park and Public Space Project. The archaeological work for the Park and Public Space Project (PPS) has taken place within the portion of Governors Island that is part of the Governors Island National Landmark District and the New York City Governors Island Landmark District, generally referred to as the Historic District. This is the part of Governors Island north of Division Road (see Figure 1). The archaeological work plan for the project provided a means to assess archaeological potential of ground disturbing actions associated with that construction. The archaeological work described here is subject to the regulations of and the review by the New York State Office of Parks, Recreation and Historic Preservation (SHPO) and the New York City Landmarks Preservation Commission (LPC).

Construction work for the Park and Public Space Project is being phased. Phase 1, the subject of this report, included adding/upgrading certain utility infrastructure, building retaining walls, grading and soils replacement, furnishings and sign footings, lighting and paving. The Archaeological Work Plan (AWP) for PPS included both pre-construction testing and monitoring during construction, based on the archaeological potential of specific locations as identified in the AWP approved by the review agencies.

The impacts to potential archaeological resources from the PPS project included the following known archaeological sites: the Andes Road cemetery, Andes Road Native American site, the brick walls containing fill possibly from the Surgeon's House, the Governors House site, the Nolan Park Native American site, the Dutch saw mill, the barracks and the Post/Pavilion Hospital, the Garrison Cemetery, the Magazine/Battery site, the brick foundation possibly dating from 1871 - 1986, and the Fort Columbus Cemetery. Additionally, identification of numerous historic map-documented structures was also possible, as was identification of previously unknown archaeological resources.

Although none of the known sites were encountered, some of the archaeological work led to identification of potentially significant archaeological resources. Nine archaeological features were identified during the PPS project. Five historic map-documented structures/features discussed in the AWP were identified; two Wash/Bath Houses (1813, 1867, 1879), the Laundress Quarters (1867), Conservatory (1908) and Compost Heap (1908). Archaeological remains of a sixth were also identified. It was an unlabelled mapped structure depicted on the 1908 Hilton map that was later identified as a gasoline pump room on a newly obtained map dated 1906. The 1906 map also enabled identification of another archaeological feature, part of the foundation of the "Lead House". Part of a foundation of unidentified/unmapped structure was also exposed and documented. Finally, part of a possible wooden landfill-retaining structure was unearthed and assigned a feature number, but later determined that the wood was merely part of the fill. All or part of these structures/features were left *in situ* and construction took place around and/or above them. Two data recoveries were completed; one for the Gasoline Pump Room and the other for a circa 1900 Lead House, also mapped in 1906. A small portion of both resources were left *in situ*.

This report presents details of the findings of the Governors Island Park and Public Space Project: Phase I. It includes sections entitled Introduction, Site Context, Methodology, Results, and Conclusions and Recommendations. The report was prepared for the Trust for Governors Island under the auspices of Turner Construction Company and Commodore Construction Corporation (field work only) by Linda Stone, RPA. Field work was conducted under the direction of Linda Stone, RPA and began on October 4, 2012 and was completed on May 15, 2014. Linda Stone was the Principal Investigator, archaeological field supervisors were Patience Freeman, RPA, Jenna Wallace Coplin and Matthew C. Sanger, RPA. Archaeological field technicians were Roseanne Quinn, Matthew L. Sisk, Nina L. Scall and Joelle Nivens. Laboratory processing was done by Roseanne Quinn, Eli Geminder and Lauren Fraser. Linda Stone and Roseanne Quinn completed the artifact identification and analysis. Marie-Lorraine Pipes conducted the faunal analysis and wrote the faunal report (see Appendix C).

The author would like to acknowledge the following individuals for their help in facilitating the archaeological work of the Park and Public Space Project: Phase 1: Michael Kennedy, Cieran Deloghery and George Sodor of Commodore Construction Corporation; Keyaun Bolton, David Opferkuch and Harrison Ostrofsky of Turner Construction Company and Simon Bertrang, Ellen Cavanaugh and Claire Kelly of the Trust for Governors Island.

SITE CONTEXT

Pre-Contact Period

Three Native American archaeological sites have been identified on Governors Island, one in Nolan Park, another near Castle Williams and the third on the south side of Fort Jay. Native American cultural material has also been found in redeposited contexts in many other places on the Island (PAL 1996: 11; Stone 2006: 10; UMass 2003:110-111). The Phase 1A Archaeological Assessment defined certain areas as sensitive for the preservation of prehistoric archaeological sites (PAL 1996: Figure 4-1). These include most of Nolan Park, the open areas east of Castle Williams, the Fort Jay Parade Ground, and part of Colonel's Row (see Figure 2).

Historic Period

Governors Island was mainly a military post/outpost through most of its history. The previous archaeological reports, Cultural Landscape Report and Landmarks Commission Designation Report all highlight slightly different aspects of that military history by time periods. The UMass Archaeological Overview and Assessment of Governors Island has one of the tightest chronologies;

1500 - 1638 Early Colonial Period
1638 - 1664 Dutch Colonial Period
1664 - 1770 English Colonial Period
1770 - 1783 Military during the Revolutionary Period
1783 - 1815 Military during the War of 1812 Period
1815 - 1900 Military during the 19th Century and Civil War Period
1900 - 1966 Military during the Early-20th Century
One could add the Coast Guard Period (1966 - 1996).

The LPC Designation Report adds more detail regarding activities during the military periods, such as defining;

Period of Transition from Harbor Defense to Military Post (1830s - 1850s)

Period of Army Headquarters Post (1878-1917) and

Period of Expansion, McKim, Mead and White and the WPA (late 1920s - 1930s).

They also discuss the tenure of various commands and divisions of the Army. The New York Arsenal (1833 - 1920) "functioned as a separate reservation (about six-and-one-half acres) along the northeast edge of the waterfront." The Arsenal included twelve buildings which were built between 1839 and 1875. The Headquarters of the Division of the Atlantic, Department of the East was located on Governors Island from 1878 to 1917. The First U.S. Army was stationed on Governors Island from 1933 to 1966, with brief hiatus from 1943 to 1946 (LPC 1996: 4, 14).

Historic period archaeological potential for the impacts from the Park and Public Space Project: Phase 1 is related to the entire time range of use of Governors Island. As previously mentioned, known archaeological sites that could have been affected by project excavations include the Andes Road cemetery, Andes Road Native American site, the brick walls containing fill possibly from the Surgeon's House, the Governors House site, the Nolan Park Native American Site, the Dutch saw mill, the barracks and the Post/Pavilion Hospital, the Garrison Cemetery, the Magazine/Battery site, the brick foundation possibly dating from 1871 - 1986, and the Fort Columbus Cemetery. Additionally, identification of numerous historic map-documented structures was also possible, as was identification of previously unknown archaeological resources.

METHODOLOGY

Work Locations

For the purposes of discussing various work included in the Governors Island Park and Public Space Project: Phase 1, one of two location descriptions are used in this report. The construction drawings are divided by “Tile” (location). A given location is depicted on one of seventeen Tiles that make up the Governors Island Historic District. For example, Tile 1 represents the area of Soissons Ferry Landing and all construction drawings to do with that location (e.g. storm, electrical, irrigation, planting, etc) end in the number “1.” For Tile 2, all drawings end in the number “2”, etc... The Archaeological Work Plan (AWP) was begun before the construction drawings were finalized and therefore used a different method to describe locations. The Historic District was arbitrarily divided into six zones to facilitate discussion and description of work locations; Soissons Zone, Nolan Park Zone, Parade Ground Zone, South Battery Zone, Colonel’s Row Zone, and Liggett Zone. Figure 3 depicts both Tiles and Zones. Areas outside of the zones had no project-related below ground work planned. These included the park improvements; 1) south of Division Road, 2) on the National Park Service property¹ and 3) most of the shoreline area, unless otherwise specified. Furthermore, some of the work on the Park and Public Space Project: Phase 1 had been advanced prior to the PPS contract and archaeological work previously completed. These include the Soissons Dock and Utility Work, Demolition of Building #s 146, 147 and 148, and part of the Grading Excavations to Create Play Fields at the Southern End of the Parade Ground (Stone 2011, 2012a, 2012b). These previously completed project components will not be addressed here. Other PPS plans were altered from the original designs for various reasons and archaeological work completed according to the protocols established in the AWP (Stone 2012c: Table 6). One notable change was the relocation of the play field from the southern end of the Parade Ground to the northern end. This was done to avoid potential destruction of archaeological resources².

In general, TGI, the contractor, designer, construction manager and archaeologist all worked together and when issues related to archaeology arose, all were willing to entertain changes to construction plans to preserve archaeological resources when possible. This resulted in the preservation of several resources or partial resources. One of these changes involved moving the location of the planned irrigation line at the southern end of the Parade Ground to avoid and potentially preserve remains of a historic map-documented structure, the “Emp. & Enl. Men’s Quarters” mapped in 1906.

Archaeological work consisted of pre-construction testing and monitoring during contractor excavations. Pre-construction archaeological work consisted of either shovel tests, excavation units, hand excavated trenches or mechanically-assisted archaeological trenches. Figure 4 depicts the pre-construction archaeological work locations. All archaeological work was documented on forms (i.e. shovel test forms, trench forms, daily notes, etc.). All forms were accompanied with a construction drawing or map depicting the contractor work in that location so that locations could be cross-referenced and/or grouped accordingly for analysis.

Shovel Test Pits

Eight shovel tests were excavated as part of the PPS project. Two were part of Feature 1 data recovery (ST 1 & 2) and six others were part of pre-construction impact testing (STs 3, 4, 5, 6, 7 & 8). Shovel tests measured about 1.5 feet (46 cm) in diameter and were excavated to the depth of non-artifact bearing subsoil, unless an impediment obstructed the test. All soils excavated from the shovel tests were screened through ¼-inch hardware mesh for the recovery of artifacts. Soils, stratigraphy and artifact inclusions were recorded on forms. Changes in soil color or texture were recorded as separate strata. Soil color descriptions were made using comparisons to the Munsell Soil Color Charts. Shovel test locations were mapped on the site plan.

¹ One exception was the addition of three light poles on NPS property and the connecting electrical main in north Hay Road near Castle Williams (Tile 9).

² The play field in the Parade Ground was ultimately removed from the project entirely, for other reasons.

Excavation Units

Excavation units were placed in some cases for testing purposes (EUs 5, 6, 8 & 9) and in others as part of archaeological data recoveries (EUs 1, 2, 3 & 4). In both cases, methodology was the same. Units were back staked and strung. Excavation was conducted stratigraphically. All soils excavated from the excavation units were screened through ¼-inch hardware mesh for the recovery of artifacts, unless otherwise noted. Soils, stratigraphy and artifact inclusions were recorded on forms. Each level was recorded on a separate form. Changes in soil color or texture were recorded as separate strata. Levels were arbitrary divisions within strata. Soil color descriptions were made using comparisons to the Munsell Soil Color Charts. Excavation unit locations were mapped on the site plan.

Pre-Construction Mechanically-Assisted Archaeological Trenches

Areas flagged for mechanically-assisted archaeological trenching included those where planned contractor excavations would exceed 3 feet below ground surface (bgs) and historic map-documented structures once stood. Five of these were placed at various locations throughout the historic district (T 1, 2, 4, 6 & 7)³. The size of the trenches varied according to the planned impacts. The equipment operator was instructed by the archaeologist to excavate in increments, usually 6 inches (15 cm). Artifact screening was done as was needed to inform the findings. Soil color descriptions were made using comparisons to the Munsell Soil Color Charts. Stratigraphy was recorded on field forms. Trench locations were mapped on the site plan.

Pre-Construction Hand-Excavated Trenches

Pre-construction hand excavated trenches were placed in areas where it was possible to find in former cemetery locations. Four trenches were excavated to identify burial sites (T 8, 9, 10 & 11). Trench dimensions varied depending on planned impacts and potential archaeological resources. The trenches were excavated by shovel in 0.5 foot lifts. Once the next arbitrary stratum was exposed, it was shovel scraped to examine for possible grave shafts and photographs were taken. A sample of each stratum was selectively screened for artifact recovery, approximately two or three screens full of soil every ten feet. Soil color descriptions were made using comparisons to the Munsell Soil Color Charts. Stratigraphy was recorded on field forms. Trench locations were mapped on the site plan.

Monitoring

Construction excavation monitoring was the predominant field technique used for the identification of potential archaeological resources during the Park and Public Project: Phase 1. Monitoring followed the protocol established in the AWP. Briefly, the Monitoring Plan included giving the archaeologist authority to halt contractor excavations by communicating directly with the machine operator, in order to document any archaeological resources, should they be encountered. If no archaeological features were encountered, the archaeologist documented the soils and fill deposits by taking photographs and measurements for drawings. Stratigraphy was recorded using comparison to the Munsell Soil Color Charts. Archaeological monitoring was conducted for utility trenching (electrical, irrigation, storm, water and gas), sign post footings, grading excavation and retaining wall excavations.

Laboratory Methods

Unique context numbers were assigned for each field bag of artifacts recovered as they were checked into the lab (FB #). That list of FB numbers constitutes all artifact proveniences (see Appendix A). Recovered artifacts (except bone) were washed and rinsed in tap water and left to air dry before labeling and rebagging in clean 4-mil zip-lock bags. Bones and bone fragments were dry brushed. Most artifact categories, with the exception of metal and bone, were individually labeled with the site abbreviation "GI", project identifier "PPS" and the FB number. Labels were made from acid free paper and adhered to the artifact with a 25% B-72 solution in acetone. A paper provenience tag was placed inside each bag and all zip bags were labeled with the same information.

The artifact inventory is attached as Appendix B. All ceramic and glass artifacts listed are considered

³ The numbers for Trenches 3 and 5 were assigned, but the location was later eliminated due to prior disturbances documented in those locations.

sherds, unless otherwise noted in the inventory. In the artifact inventory, ceramic identification and date ranges of manufacture for white-bodied refined earthenwares were based on style of decorations, when available, and are generally referred to in the inventory as “refined earthenwares.” If identifications and/or dates of manufacture were also based on ware type, such as creamware/pearlware/whiteware, then these terms are used as identifiers in the inventory, contributing to date ranges when appropriate. Governors Island is the current repository for all artifacts recovered during the conduct of work described in this report.

In the following discussion of results, possible dates of deposition are described based on *tpq* (*terminus post quem*). The *tpq* is the most recent manufacture start date of a particular context, it is the earliest date a context could have been deposited. *TPQs* are identified using the “start date” column listed in the artifact inventory.

RESULTS

Features

Nine archaeological features were identified during the Governors Island Park and Public Space Project: Phase 1 (see Figure 5). Data recovery was conducted on two features (Features 1 and 2). Two were partially excavated and left *in situ* (Features 5 and 6). Four others were exposed, documented and left *in situ* (Features 3, 7, 8 and 9) and the last was a possible feature that was exposed in a monitored trench, but subsequently determined to be part of the fill (Feature 4). Table 1 lists the features by number with an interpretation of their identity and what level of archaeological work was conducted.

TABLE 1 Archaeological Features Identified During the Governors Island Park and Public Place Project: Phase 1

Feature #	Interpretation	Archaeological Status
1	1906 Gasoline Tank with Pump Room	Data recovery completed
2	1906 Lead House	Data recovery completed
3	Unknown Building Foundation	Preserved, reburied
4	Non-site	Identified as possible landfill-retaining structure. Post-field researched proved material identified was part of fill
5	1906 Compost Heap	Partially excavated and preserved
6	1906 Conservatory	Partially displaced and partially preserved
7	1867 Laundress quarters	Preserved, reburied
8	1813 Wash Houses	Preserved, reburied
9	1867 Wash House or 1879 Bath House	Preserved, reburied

Feature 1 - 1908 Gasoline Tank and Pump Room (Soissons Zone, Tile 1)

Excavation Dates: 10/4-14/2012, 10/18-19/2013, 10/24-25/2013, 11/6-7/2013, 1/23-24/2013, 3/2/2013, 3/28/2013

Feature 1 was a part of a fuel pump room for a previously undocumented tank which was found during data recovery of the feature. It had several components; the brick pump room, the metal tank and the brick entryway. The initially exposed structure was brick and had a vaulted roof (see Photo 1). A portion of the side walls and most of the roof were missing historically before the feature was buried. Feature 1 measured approximately 9 by 20 feet and would have been about 8 feet high. There was a metal tank measuring 7.5 in diameter by 2.5 feet high, attached to the brick part of the feature.

Feature 1 was identified during the first pre-construction mechanically-assisted archaeological trench excavation (T 1). The trench was placed in the location of a planned retaining wall, on the south side of Carder Road where the road was being widened, between Building #s 109 and 140 (see Figure 6) to identify potential remains of a historic map-documented structure, mapped in 1908, but unlabeled. Feature 1 presented as a small vaulted brick structure with a large breach in the roof (see Photo 2). There was a ventilation hole in roof of the intact southern wall. The structure had also been compromised by

a manhole and connecting storm pipe on its eastern side and by the existing Carder Road retaining wall to the north. Feature 1 was within the footprint of the 1908 mapped structure, but at a different orientation.

Once identified, a shovel test in the interior of the feature (ST 1) and an excavation unit (EU 1) on the exterior of the feature were completed. These hand excavations did not unearth a significant number of temporally diagnostic artifacts to determine the date of construction or purpose of the feature. However, the *tpq* is the early-19th century, based on one ironstone ceramic sherd (FBs 2 - 8) (Godden 1992: xxiii-iv; Majewski and O'Brien: 1987: 121). The bricks comprising the feature do not bear any makers marks, nor do pieces of the feature that were found in the fill from when it was breached and/or impacted. However the fill itself near the manhole and clay drainage pipe on the eastern side of Feature 1 did contain some marked bricks or partial bricks. These may date that fill to the late-19th to early-20th century, when brick marks were common. The shovel test exposed part of the interior of the southern wall and it was covered in possible soot, or otherwise blackened, as previously mentioned. The feature contained a ventilation hole on the top of the southern end. Speculation was that was an air hole because it connected to a square opening inside Feature 1 (see Photo 3). The two working hypotheses were that the feature was either for containing fire (i.e. an oven, kiln or incinerator) or it was for storing ammunition that had then exploded leaving black residue. The area was scanned for unexploded ordinance prior to excavation and cleared.

A data recovery plan was developed in conjunction with SHPO and LPC, dated October 11, 2012, whereby an additional excavation unit would be placed inside the feature fill (EU 2) and a shovel test beneath the feature floor (ST 2), as well as the completion of measured drawings prior to the contractor removing the entire feature to construct the retaining wall and widen the road. EU 2 contained brick debris in a matrix of dark yellowish brown silty sand. The unit was excavated in arbitrary 6 inch (15 cm) increments because the deposit was homogeneous. All recovered artifacts were relatively small and fragmentary, indicative of redeposited material. The *tpq* of the unit is 1865 based on six green bottle glass sherds (FB 11, 14, 15 and 17) (Fike 1987: 13). EU 2 excavation exposed a footing at the base of the southern wall of the feature and a possible concrete floor, located approximately 7.5 feet (229 cm) below the roof. The fill at the bottom of the feature was assigned a new stratum number because the soil color was slightly darker brown, and very wet. In retrospect, it was the same fill and the color distinction due to water incursion and increased moisture content held by the non-porous water tight floor in close proximity to the water table.

At the completion of work on the excavation unit, the feature fill was removed partially by hand with some machine assistance where practical without damaging the structural remains. Artifacts were collected as a representative sample from the interior fill as the work continued. There were a number of intact or mostly intact pieces recovered from the base of the feature fill; including a plate with a maker's mark, a flask, a tumbler, a mug and a butchered animal bone representing the remains of a meal (FB 26). The maker's mark on the plate dates its manufacture to between 1879 - 1902 (Brighton 2009: 108; International Publishing 1887: 232). And the flask was a type that had a beginning manufacture date around the same time (Jones & Sullivan 1989: 49). The size of these pieces and the similar beginning manufacture date indicate they were part of a primary deposit and could represent objects used and then left by the operator of the pump.

Complete removal of the feature fill and the surrounding deposit revealed the structure was a pump room for a tank (see Photo 4). The tank itself was still present in the western side of Feature 1 and corroded metal and glass gauges were present. The tank was partially inside and partially outside of the brick structure. The interior of the eastern side of Feature 1 contained corroded metal pipes that may have brought heat to the structure (see Photo 5).

The entry of the structure was narrower than the main chamber and contained two steps down into it (see Figure 7). Feature 1 demolition was monitored and a short video was recorded on the field camera. After removal, a shovel test was placed in a section where the floor was previously breached. The shovel test contained very wet sand and large brick fragments. Water began to pool at approximately 1 foot (30 cm) below the floor of Feature 1 and excavation stopped soon after. The presence of the large brick fragments could mean the breach was possibly part of a former drainage hole in the floor of the pump room.

Later in the project when a new water main was being installed, at a location beneath and to the north of the former Carder Road retaining wall, and north of Feature 1, an additional brick structure was identified. Once exposed and mapped, it was clear this was not a separate feature, rather was the northern limit of Feature 1 (see Figure 7). Figure 8 is a cross section of the vicinity of Feature 1 showing the existing conditions, construction excavations and past disturbances. It depicts the Feature's position relative to the former retaining wall and roadway elevation, along with its place between Building #109 and Building #140. The portion of Feature 1 directly adjacent to and north of the new water main was left *in situ* and later covered by the newly widened Carder Road.

Subsequent research identified a historic map dated 1906 which shows a "gasoline tank" in this location (see Figure 9). The map is an earlier and more detailed version of the 1908 Hilton map used in preparing the PPS AWP. The date of this map correlates with the artifact *tpq* of c. 1900 for the feature fill.

Feature 2 - 1908 Lead House (Soissons Zone, Tile 1)

Excavation Dates: 1/2-7/2013, 2/6-7/2013

Feature 2 was initially thought to also be a room associated with a tank that had been remediated or possibly previously displaced and was therefore not present during the excavation of Feature 2. Feature 2 was most of a concrete and stone foundation with a concrete floor (see Photo 6). The feature was found during monitoring of contractor excavations for a retaining wall footing on the west side of Building #109 (see Figure 10). The eastern half of the foundation was exposed during excavation of the retaining wall footings at the northwest corner of Building #109 and the western side found at a later time during excavation for the yet other retaining wall footings. No superstructure was present.

Feature 2 measured approximately 19 feet by 14 feet (579 x 427 cm). The width of the foundation walls measured 1.5 feet (46 cm), with a concrete footer extending 0.4 feet (12 cm) inside of the foundation wall on the eastern and part of the southern sides (see Figure 11). This footing is all that remained *in situ* on the rest of the southern side and the entire western side. There was a section of broken pipe resting on a portion of the concrete foundation footing and, in the nearby fill, a displaced cylindrical tank was documented. It measured approximately 5 feet long and 2 feet (152 x 61 cm) in diameter. It was speculated the tank could have been connected to that pipe. The 2012 construction drawing of the area depicts a "heating oil tank" measuring approximately 5 by 7 feet (152 x 213 cm) partially within the footprint of Feature 2 (see Figure 10). However, that tank would have been previously removed/remediated and was not present in the PPS project excavations, either as a displaced tank or otherwise.

Historic maps used in the preparation of the AWP depicted an unlabeled building in the vicinity of Feature 2. However, based on the size and location of that structure, it was determined remains of it would have been destroyed by the construction of Building #109 and its walkway stairs. The later identified and more accurate 1906 Hilton map, discussed above in relation to Feature 1, depicts a structure in the exact location as Feature 2; "Lead Ho." (see Figure 12).

Once the eastern part of Feature 2 was identified, an archaeological data recovery plan was developed in conjunction with SHPO and LPC, dated January 2, 2013. It included excavation of two units, one on the interior (EU 3) and the other on the exterior of the foundation remains (EU 4). The interior fill was comprised of brick debris in a matrix very dark grayish brown (Munsell 10YR 3/2) sandy silt. EU 3 provided a sample of Feature 2 fill. Very little temporally diagnostic material was present, precluding a determination of the date of deposition. All that could be said is that the deposit was created post 1865 (FB 56). The excavation unit on the exterior of Feature 2 (EU 4) contained mainly compact brown clay (Munsell 7.5YR 4/4), a deposit somewhat unusual for the area where mostly sands and silts have been documented with only occasional pockets of clay. Like the unit on the interior of Feature 2, this unit (EU 3) did not contain many temporally diagnostic artifacts either. EU 4 excavation exposed the exterior of the foundation (see Photo 7). The unit revealed a stone base, possibly also containing brick, beneath the concrete. The stone was resting directly on a relatively level clay surface. Here the foundation remains totaled approximately 1 foot (30 cm) thick. The concrete footing found to the north of EU 4, at the northeast corner of Feature 2, was only 0.3 feet (9 cm) thick. The thickness and construction of the eastern part of the Feature contrasts with that of the western part where the concrete was 2 feet (61 cm) high (see Photo 8). Unfortunately, the two sections were not exposed simultaneously to see how they

articulated and therefore the relationship is inferred.

Portions of both sides of Feature 2 remain *in situ*. The eastern side was preserved from elevation 14 feet above sea level and below, the approximate top of the footing (see Photo 9). It is now buried under the G Wall footing. The eastern portion of the foundation, as well as the floor, are preserved in their entirety under the E Wall footing.

Feature 3 - Unknown Foundation (South Battery Zone, Tile 13)

Excavation Dates: 10/15/2012, 3/29/2013, 4/26/2013

Feature 3 was part of the foundation of a previously unidentified building. The portion of the Feature exposed was part of a concrete foundation with part of a possible brick walkway abutting on the exterior (northwest side) (see Photo 10). Some large sections of mortared brick were also unearthed in the feature fill when the overlying pavement was removed (see Photo 11). No superstructure was evident. It is possible the large brick sections were part of that superstructure before it was demolished.

The foundation portion of Feature 3 measured approximately 6 by 10 feet (183 x 305 cm) and the brick portion 2.2 by 3.4 feet (67 x 104 cm). It was exposed directly beneath paving and identified during pavement removal operations of the former parking lot at South Battery (see Figure 13). No archaeological field work was conducted for Feature 3 because only pavement removal and soil addition took place there. Feature 3 remains preserved beneath the new lawn at an elevation of approximately 9.4 feet above sea level.

Subsequent map research, using those available in the AWP as well as drawings obtained from the National Archives in College Park, Maryland, has aided in narrowing the possible construction and demolition dates of the building that has become Feature 3. The location is at or near the high water line mapped in both 1867 and 1879, and on the 1882 bulkhead line. In fact, an 1883 detail of the planned seawall construction near South Battery does not show any structure there (Corps of Engineers 1883). The 1902 National Archives Blueprint map does not depict any building at that location either, although it does show the Compost Heap (unlabeled). By 1906, the now labeled “Compost Heap” was mapped approximately 17 feet away, south of the interior corner of Feature 3. By 1962 the entire parking area was labeled “Part Time Play Area” and by 1994 it was referred to as Parking Area 49. Therefore, it is likely Feature 3 was part of a building that stood between 1906 and 1962, assuming the sturdy construction was indicative of a more permanent and less transient type of building, consistent with the structure found.

Feature 4 - Possible Landfill-Retaining Structure (South Battery Zone, Tile 13)

Excavation Dates: 1/16-18/2013

Feature 4 was part of three wooden members identified during monitoring of a storm drainage line southwest from Catch Basin 10-1 (CB 10-1) toward Building #301 (see Figure 14). It was located between the historic high and low water lines of the 19th century and therefore the possibility the members were part of a landfill retaining structure was explored.

There were two vertical members, spaced approximately 10 feet (305 cm) apart, and one partial horizontal member in between. The horizontal member can be seen on Photo 12 in the base of excavation at the bottom of the photograph. The members were found buried approximately 6 feet (183 cm) deep at elevation less than 1 foot (30 cm) above sea level in a stratum that was 1 foot (30 cm) thick. The horizontal member was square cut, but the shape of the vertical members could not be identified because they were severely frayed, although there were likely left in the round, based on the general shape visible. Because the exposure was so small, confined to the 3.5 foot (107 cm) wide trench over a 10 foot (305 cm) span, and not safe to enter, it was not possible to identify the structure form. If the feature was actually part of a landfill-retaining structure, it would possibly have been part of a crib form, as opposed to grillage because the members were not continuous. The fill material in the trench as a whole appeared to have been deposited in multiple loads. However the fill between the two vertical members was somewhat darker, possibly indicative of a single deposit in that location. The only cultural material observed in the possible feature fill was brick fragments. The fill directly to the west of the possible feature was clean sand, likely fill put in when a nearby electrical line was installed.

Subsequent analysis of the location of Feature 4 in relation to the various shoreline enhancements shows

the area was midway between the 1882 bulkhead line and the 1883 seawall. The retention would have been concentrated at the bulkhead line and the seawall line. Therefore, it is unlikely there would have been a need for retaining landfill at that location. In conclusion, the three wooden members were likely part of the fill itself.

Feature 5 - 1906 Compost Heap (South Battery Zone, Tile 13)

Excavation Dates: 5/1/2013, 5/17/2013

The “Compost Heap” is known from its labeled depiction on the 1906 Hilton map. However, it is also likely the unlabeled rectangle shown on the 1902 Blueprint map. In hindsight, the presence of the Compost Heap was earlier detected in the PPS project when poor drainage was observed during monitoring the excavation for the storm drainage line in the vicinity of where Feature 5 was later identified. Part of Feature 5 may also have been exposed during earlier grading excavation adjacent to Building #301 during grading to 1.9 feet (58 cm) below ground surface (approximately 8.0 feet above sea level) (Feature 5? on Figure 15). Remains of the possible compost there were documented as a very dark gray (Munsell 10YR 3/1) deposit. However, that deposit was described as a mottled sandy silt and no reference to an organic component noted. Perhaps what was exposed would have been mottled with the organic compost if excavations would have continued deeper.

The Compost Heap was identified definitively during later grading operations in the South Battery Zone where excavation was taken to elevation 5.3 feet above sea level (158 cm), approximately 3 feet (91 cm) below ground surface, closer to Kimmel Road (see Figure 15 and Photo 13). The portion of the exposed compost deposit measured approximately 21 feet long and 9 feet wide (640 x 274 cm). It was shovel probed to determine the potential depth of the compost. The compost continued to the depth of the probe, 1.8 feet (55 cm) deeper. No cultural material was found in the shovel probes or on the exposed surface. However, some artifacts were collected from the grading at levels above the compost. The *tpq* of those artifacts is c. 1890 based on six milk glass sherds (FB 178) (Fike 1987: 13; Jones & Sullivan 1989: 14). This time frame coincides with the maps depicting the Compost Heap.

It is interesting to contrast the location in the ground of the compost compared to the mapped location of the “Compost Heap” (see Figure 15). This analysis indicates the overlay is off approximately 25 feet (762 cm). However, if the earlier/shallower grading excavations (Feature 5? on Figure 15) actually exposed an overlying compost deposit, then the historic mapped location is smaller than the original site would have been. In any case, no clear presence of anything rectangular, as depicted on the historic maps, was found. And, by 1928, the Compost Heap is no longer depicted on historic maps. The exposed deposit remains buried in the ground under the new lawn, and likely the pathway adjacent to Building #301 as well.

Feature 6 - 1906 Conservatory (South Battery Zone, Tile 13)

Excavation Dates: 10/22/2012, 4/8/2013, 4/9/2013, 5/14/2013

Feature 6 was a series of three intact foundation stones, at least two of which were previously displaced. A broken similar stone and a displaced section of mortared brick, as well as a nearby concentration of cinder block, loose brick and concrete were also unearthed (see Figure 16). Feature 6 was identified during monitoring of an electrical trench in the South Battery Zone. Earlier archaeological work (an excavation unit and a mechanically-assisted archaeological test trench) in that vicinity was unsuccessful in identifying the location of the foundation of the Conservatory (see Figure 17). The previous archaeological excavation unit (EU 8) did not unearth any evidence of structural remains, although a number of flower pot sherds were documented (FBs 126, 127 & 130). The mechanically-assisted archaeological trench (T 7) exposed a dense coal ash deposit that extended from approximately 5.5 feet (168 cm) below ground surface to the base of excavation, approximately 6.7 feet (204 cm) below ground surface. This type of material is often found associated with feature fill, however no remains of the Conservatory itself were found in T 7. Only two temporally diagnostic artifacts were recovered from the ash deposit. The *tpq* is the mid-19th century, based on an embossed glass sherd (FB 23) (Fike 1987: 4; Jones & Sullivan 1989: 49).

The foundation stones were likely granite and were identified at 3 feet below finish grade, approximate elevation 9 feet (274 cm) above sea level (1 foot below the exposed ground surface at the time of excavation). The deposit in which all elements were identified was dark brown (Munsell 10YR 3/3) fill.

It contained much demolition debris, some of it very large, potentially indicating a primary deposit. The section of mortared brick found laying on its side at an angle measured 6.8 feet long by 2.7 feet high and 1.2 feet thick (207 x 82 x 37 cm) (see Photo 14). Two foundation stones were also found at an angle, although configured parallel approximately 20 feet apart, a fair amount wider than the mapped Conservatory width of 15.5 feet. The stones measured 8 feet long by 1.5 feet wide by 1 foot high (244 x 46 x 30 cm) (see Photo 15). A broken piece of the same type of stone was also found perpendicular to those and on top of what may be an *in situ* stone. That underlying piece was left in the ground and the electrical line placed on top of it.

It is tempting to interpret the stones as part of the foundation of a rectangular building based on their relative positions. The two intact stones that were removed had clearly been previously displaced based on their orientation in the ground, although they are depicted parallel to one another in the plan view (see Figure 17). The third stone, the one that remains in the ground, is level with the ground surface and therefore potentially *in situ*. However, based on its position relative to the Conservatory mapped in 1906, is displaced substantially from either the eastern or western sides of that structure (approximately 38 feet (12 m) to the west and 56 feet (17 m) to the east). In the absence of excavations exposing a larger footprint to determine if there is/are contiguous stones, it cannot be known if the identified stone is part of an intact buried foundation of the Conservatory, representing an interior load-bearing wall perhaps, or it is just another displaced or partial piece of that former building.

Feature 7 - 1867 Laundress Quarters (Parade Ground Zone, Tile 13)

Excavation Dates: 4/3-9/2013

Pre-construction testing to identify remains of the former Laundress Quarters, originally mapped in 1867, was conducted by hand along the path of a planned irrigation line at the southern end of the Parade Ground (see Figure 18). Excavation Unit 6 (EU6) measured 6 feet long by 2 feet wide (182 x 61 cm) and was excavated to 3 feet (91 cm) below ground surface. What appears to be part of a concrete, or concrete covered stone, foundation was exposed at 2.5 feet (76 cm) below ground surface (see Photo 16). The piece measured 2 feet (61 cm) across, but the entire length and depth were not encountered.

The deposits to the north and south of the possible foundation were distinct. To the south, the matrix was dark grayish brown (Munsell 10YR 4/2) sandy loam. It contained a lot of coal fragments and the base of excavation became blacker, likely due to the higher concentration of coal. The deposit also contained brick fragments, corroded nails and clear flat glass sherds, indicative of building debris. Temporally diagnostic artifacts include refined earthenware ceramic sherds, amber bottle glass and milk glass. The milk glass provides the *tpq* for the deposit of c. 1890 (FB 139) (Fike 1987: 13; Jones & Sullivan 1989: 14). The deposit to the north of the possible foundation was mottled dark grayish brown silty sand and sandy loam with dark yellowish brown (Munsell 10YR 4/4) sandy loam and black (Munsell 10YR 2/1) compact sandy loam. It also contained grayish white possible decaying mortar, coal and brick fragments, clear flat glass sherds and corroded nails. Fewer glass and ceramic sherds were recovered from this context, however the *tpq* of this deposit is also from milk glass, c. 1890 (FB 140) (Fike 1987: 13; Jones & Sullivan 1989: 14).

After the completion of EU 6 and the identification of likely remains of the 1867 Laundress Quarters, it was determined the irrigation line required rerouting in that portion of the Parade Ground and that excavation for it did not need to be as deep, preserving anything buried at 2.5 feet (76 cm) below ground surface or deeper, thus eliminating the need to remove Feature 7. It remains preserved beneath the lawn and no further archaeological work was conducted at that location. No other remains of the Laundress Quarters were identified during excavation monitoring of the remainder of the irrigation work in that area.

Feature 8 - 1813 Wash Houses (Tile 9)

Excavation Dates: 10/28-29/2013

Feature 8 was identified during archaeological monitoring of an electrical trench that had been added to the project in order to connect to three new light poles on National Park Service property near Castle Williams (see Figure 19). The trench was in Hay Road and parallel to the curb approximately 1.8 feet (56 cm) away. This part of Hay Road is entirely outside of the original PPS plans and therefore has no previously assigned zone. The Feature was identified in Tile 9.

Feature 8 consisted of a group of four large unmortared stones and two mortared bricks, possibly related to the stones, spaced approximately 3.5 feet (107 cm) from another similar large stone (see Figure 20 and Photo 17). The feature was buried approximately 2 feet (61 cm) below ground surface at the base of the contractor's excavations. Much of the deposit between the stones was previously disturbed by a former electrical line that can be seen the photograph along the west side (left) of the trench. The remainder of the intervening deposit was strong brown (Munsell 7.5YR 4/6) silty sand. That deposit was encountered at 1.9 feet (58 cm) below ground surface, the approximate depth Feature 9 was identified. No artifacts were retained and the only artifacts that were present were fragments of unmarked brick, some of which were close to whole. The overlying deposit was mottled, modern fill.

Feature 8 was interpreted as part of either the foundation and/or floor of the "Wash Houses" mapped in 1813 (see Figure 21). No further archaeological excavation was conducted at Feature 8 and no other remains of the Wash Houses were identified in the remainder of the trench. Feature 8 was reburied after the new electrical line was laid on top of it.

Feature 9 - 1813 and 1867 Wash House or 1879 Bath House (Tile 9)

Excavation Dates: 10/29-30/2013

Like Feature 8, Feature 9 was outside of the original PPS zones. It was found in the northern location of the series of three light poles on NPS property near Feature 8. Because it was on NPS property, a separate archaeological work plan was prepared for the excavation and a report of findings submitted when the work was completed (Stone 2013). What follows paraphrases that report regarding Feature 9.

Feature 9 was encountered during excavation for light pole footing TA.204 and was buried approximately 3.5 feet (107 cm) below ground surface south of Castle Williams, just west of the Hay Road curb (see Figure 19). Contractor excavations were stopped once Feature 9 was exposed in order leave it undisturbed. The light post was relocated to a nearby location without any archaeological findings.

Feature 9 is possibly part of a stone foundation or floor, although with such a small exposure it is not certain. The size of the base of excavation was only approximately 2.5 feet (76 cm) in diameter. Three stones were present in the base of the excavation in a matrix of strong (Munsell 7.5YR 4/6) brown loamy sand (see Figure 22). These stones could either represent the corner of a foundation or part of a floor. They were located directly beneath brown sand (Munsell 7.5 YR 5/4), a native soil, found up to approximately 1.3 feet (40 cm) above the floor. That stratum also contained two rocks that are not articulated with those in the base of excavation, but could have once been associated with the feature (see Photo 18). That deposit is covered with stony fill in a matrix of strong brown (Munsell 7.5YR 4/6) loamy sand, just beneath the grass. The presence of the stones, both comprising the feature and in the matrix directly above it, was not observed in similar soil during archaeological monitoring of the nearby electrical trench excavations. This is an indication of the stones being placed in that location intentionally. No artifacts were observed in the excavation.

The 1879 map shows Feature 9 within the footprint of Structure 62, the Bath House (see Figure 23). The 1867 historic map overlay depicts the location near "Wash House for Men of the Garrison" (see Figure 24) and the 1813 map shows it near "Wash Houses" (see Figure 21). It is possible the stones in the TA.204 excavation were part of one of those former structures.

Deposits of Note

There were two locations where dense, somewhat locally pervasive, concentrations of specific artifact types were identified during monitoring. These are a concentration of bottle glass sherds found during grading in Soissons Zone and a concentration of ceramic wasters and kiln furniture found in South Battery Zone.

Glass Concentration (Soissons Zone, Tile 1)

Excavation Dates: 3/23-4/23/2013

A concentration of bottle glass sherds was identified while monitoring excavation for a utility line along the west side of Ferry Line Road (context FB 111) (see Figure 25). Forty-five sherds were collected from an area measuring approximately 10 feet long by 2.7 feet wide (305 by 82 cm) at a depth of between 2 and

3 feet (61 - 91 cm) below ground surface. The artifacts recovered were almost exclusively glass, with only one ceramic sherd. The deposit was not contained and it was not initially clear if it represented part of a dump site or was part of the fill, based on the relatively small exposure. When the ground in that area was opened with a wider excavation footprint for grading operations between Ferry Line Road and Building #110 additional nearby dense glass concentrations were identified. The densest concentration was found in contexts FB 135 and 157 (n = 316) at the same depth as the previously documented glass and in a similar soil matrix, dark yellowish brown (Munsell 10YR 3/4 and 4/4) sand. Again, the deposits contained primarily glass with only 21 other artifacts recovered. The *tpq* of those contexts is c. 1869, based on two embossed Cantrell and Cochrane round bottom soda bottles (Kovels n.d.). Lesser, but significant concentrations of bottle glass sherds were also recovered during monitoring of the grading in nearby locations (contexts FB 133, 146 and 155). The combined *tpq* of those contexts is the 1890s based on a blue glass sherd (Fike 1987: 13).

The monitoring of widespread excavation in that area enabled reaching the conclusion that the glass concentration was part of the fill. The area is near an unlabelled building depicted on the 1879 Army map (see Figure 26). That building is also depicted on the 1903 Kinsey map, but is no longer shown on the 1906 Hilton map. The time frame of these maps consistent with the artifact *tpqs*. It is also interesting to note that metal door parts were recovered from that area (FB 143), although no other structural remains were identified there.

Kiln Waste (South Battery Zone, Tile 13)

Excavation Dates: 5/17/2013

An unusually dense concentration of kiln props, mainly stilts, and ceramic wasters was found while monitoring grading excavations near Kimmel Road in South Battery Zone (FB 178). Fourteen kiln props and nineteen wasters were collected from one context (FB 178). Additional nearby trench monitoring yielded two additional wasters (FB 183). A few wasters and kiln props had been previously found on Governors Island during other projects (Stone 2007a, 2007b). In analyzing the PPS work while preparing this report, it was found that lesser concentrations of these artifact types were also recovered earlier in the project from other contexts in the vicinity (FBs 31, 62, 161 and 164), a total of 6 props and 16 wasters (see Figure 27). One unique aspect of many of the kiln props found on Governors Island is that they are embossed with a decorative pattern (see Photo 19). The most common is of repeating shells or a shell-like motif. Other pieces have a leaf-like pattern and yet others have crosshatching or other nondescript repetitive motifs. Previous research on these kiln props was unsuccessful in identifying a source or date of manufacture until now when a kiln stilt marked "B & Co." was recovered from FB 178. The "B & Co." mark was placed on stilts produced by W. W. Buller and Company who were in business under that name from 1862 - 1883 (Allied Insulators Ltd. n.d.; University of Sheffield 2009: 14). Because decorated and/or marked stilts are previously unheard of on New York City archaeological sites⁴, it seems likely the presence of both types in one project could indicate all these types, the marked and the decorated, were from the same source and hence produced by W. W. Buller and Company between 1862 - 1883.

The area where the densest concentration of the kiln related material was present measured approximately 20 feet (610 cm) across and was located just inside and along the Kimmel Road curb line. No excavation was conducted in Kimmel Road itself to determine if the deposit extends in that direction. The concentration laid between 1 foot (30 cm) to 2 feet (61 cm) below ground surface. That is the same depth of FB 161 and 164. The possibly related material recovered from FBs 31, 62 and 183 was from trench backdirt and therefore the depth of the material is not known at those locations, although it may be inferred it came from a similar depth if it were *in situ*. The *tpq* of the deposit is the 1890s based on six milk glass sherds (FB 178), consistent with the dates of production of the B & Co. marked stilts.

No additional impacts were planned in that area and no additional archaeological excavation was done. Any additional or associated deposits remain buried beneath the lawn or Kimmel Road. It is interesting to note that at least part of the area of the densest concentration of the kiln related material is within landfill, outside of the original Island footprint. The extent of that landfill, the amount of material and/or

⁴ Meta Janowitz, a local expert in historic ceramics, reported she had never seen such kiln props. She subsequently borrowed examples to share with colleagues at the "dish camp" where no one reported seeing such props (pers. comm. June 2014).

the number of landfill episodes in that location are unknown. Any additional information on these factors could affect the interpretation of the deposit. It is possible the material is part of that fill or that there was a small, previously undocumented ceramic production industry on Governors Island.

Pre-Construction Testing Results

The following describes the results of testing where no potentially significant archaeological resources or deposits were identified, but that contained data regarding general site conditions and soil accretion/deposition. Two earlier surfaces were found in excavation units; EU 5 contained a deposit representing the original shoreline and in EU 9 a Belgian Block paved surface was found. Testing was also conducted at three former cemetery sites (T 8, 9, 10 and 11) and to look for remains of a former seawall (T 2) and “sustaining wall” (T 4) mapped in 1867 (see Figure 4).

Excavation Units

EU 5 (Tile 11)

Excavation Dates: 3/5-6/2013

Excavation Unit 5 was placed in Hay Road along the path of the planned electrical line there to look for remains of the original shoreline. Dense concentrations of fragmented shell were found beginning at 1 foot (30 cm) below ground surface. They became increasingly fragmented with depth. Shells were predominantly oyster, but a few clam shell fragments were also present. A sample of oyster shells was analyzed and they “showed no signs of pry marks that would indicate they were eaten” (FB 86) and therefore support the conclusion this was a natural deposit. Additionally, analysis of the shell from a nearby light post footing (TA-133) excavation revealed other shell types that are common on New York City beaches (FB 169)(Appendix C: 2).

The EU 5 matrix was dark yellowish brown sand and became darker with depth, likely because of increased moisture content. The matrix also contained an assortment of water worn pebbles and pockets of clay. The deposit continued to the base of excavation, 2.7 feet (83 cm). No artifacts were found in EU 5. EU 5 appears to be representative of a natural shoreline deposit.

EU 9 (Tile 13)

Excavation Dates: 3/29-4/1/2013

Excavation Unit 9 was located directly south of St. Cornelius Church in the South Battery Zone. It was the location of a privy mapped as an elevated structure over the water in 1867, prior to the shoreline expansion there. Remains of the privy were never identified. The upper levels of the unit contained sandy loam, obviously from episodes of landscaping. That deposit contained only one temporally diagnostic artifact, a nondescript sherd of green glass that could have been part of a bottle that was manufactured after c. 1865 (FB 124). Beneath the loamy soil was a Belgian Block paved surface (see Photo 20). It was buried approximately 0.9 feet (27 cm). Like the loamy deposit above the Belgian Block surface only one temporally diagnostic artifact was present beneath and it also dated from the same time period (FB 123). Belgian Block is a type of cut stone paving that was commonly used beginning in the 19th century. The presence of possible 19th-century artifacts is consistent with that time period. The deposit beneath the Belgian Block was compacted silty sand, the compaction obviously related to the paving. A number of temporally diagnostic artifacts were recovered from that stratum. The *tpq* of that collection is the late-19th century based on a glass finish with a patent lip (FB 125) (Jones & Sullivan 1989: 81). Excavation continued to a depth of 2 feet (61 cm) below ground surface or elevation 9 feet (274 cm) above sea level.

Trenches

Several trenches were excavated as part of pre-construction archaeological work. Some were hand excavated to look for more potentially sensitive archaeological deposits, such as the former known cemetery sites. Other trenches were archaeologically excavated with mechanical assistance to identify structural remains.

Cemeteries

Garrison Cemetery (Tile 7)

Excavation Dates: 12/24-31/2012, 1/8-18/2013

Two hand excavated trenches were placed in the Parade Ground adjacent to Evans Road to look for remains of the Garrison Cemetery, mapped as “Burying Ground” in 1813 (T 8 and T 9 on Figure 4). The location tested was where a play field was planned, but later eliminated from the PPS project. The trench locations are based on the overlay presented in the Archaeological Overview and Assessment (UMass 2003:105). No graves, grave shafts or human remains were encountered in either T 8 or T 9. Trenches were hand excavated to a depth of 1.5 feet (46 cm) below ground surface, the planned depth of impact from grading of the play field. Trench 8 was 43 feet (13.1 m) long and T 9 (11.6 m) was 38 feet long.

The eastern end of T 8 contained many roots, some up to 2 inches (1 cm) in diameter; therefore, the park designers decided to shift the play field 5 feet (152 cm) westward to avoid the trees. This impacted the location of the third planned trench in this area, effectively moving the play field outside of the footprint of the southern location of the mapped Garrison Cemetery. Therefore, no archaeological trench was placed in that location because no below ground impacts would take place there for the play field.

Trench 8, beneath the topsoil, was dark yellowish brown (Munsell 10YR 4/4) silty loam that contained somewhat regular black stripes (see Photo 21). It is not clear what the darkened soil represents and no artifacts were recovered from the deposit. Trench 9 was perpendicular to T 8 and the same blackened deposit was encountered, but appeared as a more uniform surface rather than as striped, likely due to the trench orientation (see Photo 22). If the only exposure in this area was T 9, it would seem as if a uniform buried A horizon was encountered. After reviewing the data from both trenches, it seems likely the deposit(s) represents a mechanical modification to the ground surface that created somewhat uniform “stripes” that pitched downward toward the west, as seen in the profile of Trench 8. This could possibly have been the result of plowing.

Andes Road Site (Tiles 4 and 9)

Excavation Dates: 3/5-14/2013

The Andes Road archaeological site contains both historic period burials (dating to the late-18th or early-19th centuries) and a Native American component. Trench 10 was excavated in the footprint of a planned electrical line to explore the possibility of finding either. This trench was 88 feet (26.8 m) long, 2 feet (61 cm) wide and 2.7 feet (82 cm) deep. No graves, grave shafts, human remains or Native American artifacts were encountered.

Trench 10 contained a deposit that was varying shades of dark yellowish brown (Munsell 10YR 3/4, 4/4 and 4/6) silty sand or sandy silt beneath the paving and subbase (see Figure 28). Cultural material was present in small quantities throughout, in lower concentrations with depth. The *tpq* of T10 is the 1860s based on eighteen green bottle glass sherds (FBs 84, 97, 98 and 101) (Fike 1987: 13). However, the lower strata did contain somewhat earlier pieces, although too few to draw any conclusions (FBs 81 and 94).

In addition to Trench 10, a shovel test pit in advance of a light post was also excavated through the Andes Road site (ST 5). This test did not unearth any evidence of either the former cemetery or the Native American site. Disturbance existed to 2.5 feet (cm) below ground surface. The soil beneath the disturbance was the same dark yellowish brown sandy silt documented in T10.

Fort Columbus Cemetery (Tile 12)

Excavation Dates: 3/22-29/2013

The Fort Columbus Cemetery was established in 1795 and is first depicted on the 1813 map as “Burying Ground” along the southwestern shore of Governors Island. The cemetery was expanded over time and in 1886 the graves were relocated to Cypress Hills National Cemetery in Brooklyn. However, subsequent archaeological research on this cemetery concluded that some individual graves could remain in the former cemetery and therefore any below ground actions should include archaeological examination (LBA 1986: 3-2, 4-1). Trench 11 was excavated to look for evidence of graves within the path of a new electrical line in Clayton Road (see Figure 4). No graves, grave shafts or human remains were encountered.

Trench 11 was excavated in three 25 foot (762 cm) long segments. They measured 2 feet (61 cm) wide and 2.7 feet (81 cm) deep. In general, T 11 contained a mix of fill deposits with some natural shoreline material at the base of excavation in places, although each of the three segments was somewhat distinct.

The paving was the thickest in the northern segment, approximately 2 feet (61 cm) thick and comprised of at least two paving episodes. The underlying deposit consisted of mottled dark yellowish brown loamy sand and brown sand (Munsells 10YR 4/4 and 5/3). The sand contained a dense concentration of shells; mainly oyster, but also some clam, scallop and whelk (see Photo 23). The *tpq* of the shell containing stratum is c. 1890 based on a milk glass sherd (FB 109) (Fike 1987: 13; Jones & Sullivan 1989: 14). This is also the *tpq* for the trench, a time frame that corresponds nicely to the time of exhumation of the Fort Columbus Cemetery graves.

The deposits identified in the center and southern segments of T 11 contained more disturbance. The central segment encountered paving related deposits to the base of excavation where it appeared the sand stratum was just beginning. The southern segment contained a buried pipe at the base of excavation that created more mixing of the deposit in that segment. It also contained shell concentrations in mottled sand along with water worn pebbles, indicative of shoreline material.

1867 Seawall (Tile 13)

Excavation Date: 10/22/2012

Trench 2 was excavated to look for remains of an early seawall as mapped in 1867. The trench measured 10 feet (305 cm) long by 3 feet (91 cm) wide and was excavated mechanically to a depth of 6 feet (183 cm) below ground surface. Remains of the early seawall were not found. Furthermore, a buried defunct concrete encased utility line was found in the trench at approximately 4 to 5 feet (122 - 152 cm) below ground surface. The disturbance from that utility line continued to the base of excavation where clean sand fill was encountered. No artifacts were recovered from T 2 excavation.

1867 Sustaining Wall (Tile 13)

Excavation Date: 10/18/2012

Trench 4 was excavated to look for remains of the "Sustaining wall of loose Stones" mapped in 1867. The trench measured approximately 3 feet (91 cm) wide by 10 feet (305 cm) long and was excavated mechanically to 5.3 feet (162 cm) deep. Remains of the sustaining wall were not found. The deposit in the trench appeared to represent several fill episodes. No artifacts were recovered from T 4 excavations.

Other Pre-Construction Testing

Archaeological testing was recommended to look for evidence of a number of other known archaeological sites based on below-ground impacts planned at the time the AWP was prepared (Stone 2012c: Table 5). Locations where testing had been recommended, but the planned work later eliminated and thus testing not conducted include the following sites; New Hospital site, Surgeon's House debris site, Governor's House (Building 2) site, Post Hospital/Pavilion site and the Magazine/Battery site. The other known sites where pre-construction testing was recommended and completed, either were discussed above (Garrison Cemetery, Andes Road Cemetery, Andes Road Native American site, Fort Columbus Cemetery, Original shore deposit, 1867 mapped Privy, 1867 mapped Seawall and 1867 mapped Sustaining Wall) or were shovel test pits that did not result in the identification of any potentially significant resources or deposits. Only three of the areas of pre-construction testing fall into the latter category of shovel tests with negative results. All three of them were for new sign posts; the Dutch Saw Mill site (ST 8, Tile 3 - Nolan Park Zone), the Brick Foundation site (STs 6 and 7, Tile 12 - Parade Ground Zone) and an unlabelled map-documented feature location (STs 3 and 4, Tile 3 - Soissons Zone). No potentially significant archaeological resources were found in those tests. Shovel Test stratigraphy is presented in Table 2 and included in the discussion below of sign post monitoring.

Monitoring Results

Archaeological monitoring that did not result in the identification of potentially significant archaeological resources, or deposits, comprised the majority of the work for the PPS project. As with some of the pre-construction archaeological testing, a number of monitored locations also unearthed buried surfaces. These include buried earlier roadways, parking areas and pathways, as well as possible historic shoreline surfaces. Monitoring the excavation also provided an opportunity to continue documentation of general site conditions and soil accretion/deposition.

Electrical Conduit

Excavation Dates: 2/16-5/16/2013

Figure 29 depicts the location of the electrical work from the 100% Conformed Final Set of construction drawings. Certain aspects were changed or eliminated and are highlighted on the figure. These include the elimination of the far northern Hay Road segment between Andes and Carder Roads and the segment of Andes Road east of Fort Jay; restructuring the configuration of the lines near the ferry landing in Soissons Zone (Tiles 1, 2, 4 and 9); reconfiguring the electrical work in the vicinity of the southern Parade Ground and South Battery Zones (Tile 13); and connecting the lines along southern Clayton Road in South Battery Zone (Tile 17). All in all, approximately one linear mile (1.6 km) of electrical trenching was monitored.

The electrical trenches measured 2 feet (61 cm) wide and 2.7 feet (82 cm) deep. Figures 30 - 32 depict sample profiles from the range of areas where electrical monitoring took place. Figure 30 is a profile of part of the Andes Road electrical trench. The western end of the profile (top of Figure) depicts typical stratigraphy. The eastern part of the profile is of interest because it depicts part of a former curb to Andes Road before it had been historically widened and/or reconfigured (see Photo 24). The majority of the profile is shown as fill because it was a homogenous deposit that resulted from change to the roadway.

Figure 31 shows representative profiles from Clayton Road. Both profiles show buried shoreline deposits of sand with shell and pebbles, located virtually just beneath the paving in places. As would be expected, these strata vary somewhat in depth, undulating just as a shoreline would have. Figure 32 depicts a profile from at a point where the landfilling for Governors Island would have begun. The east and west trench profiles from the same trench segment show that the location was likely right at that original shore point. The eastern profile (top of Figure 32) depicts a homogenous deposit beneath the pavement and loam, whereas the western profile (bottom of Figure 32) shows the sand and pebbles that would have been part of the beach surface present in varying densities and discrete locations. This is likely due to the tidal action creating variation along the former shore.

Light Posts

Excavation Date: 3/4-10/24/2013

Monitoring for forty-eight new light poles was completed as part of the PPS project. The lights poles were distributed in sections of the Historic District where excavation for the electrical conduit was monitored (see Figure 29). The majority of these are along Andes, Hay and Clayton Roads.

Concrete light pole bases were 1.5 feet (46 cm) square and 4 feet (122 cm) high. Average depth of the actual excavation varied slightly; 4.3 feet (131 cm) deep in Andes Road, 5.6 feet (170 cm) in Hay Road and 5.4 feet (165 cm) in Clayton Road. Stratigraphy within the holes also varied slightly depending on location. In those places where substantial fill was not documented along Hay and Clayton Roads, similar stratigraphy existed. The paving or topsoil was underlaid with yellowish brown sand to approximately 3 feet (91 cm). From there to the base of excavation, Hay Road locations generally contained dark yellowish brown sand and Clayton Road contained light yellowish brown sand. Furthermore, these soils often contained shell or shell fragments. The predominance of sandy soils containing shell is not surprising since these roads were historically along the edge of the original Governors Island shoreline. The Andes Road light pole excavation locations were somewhat different and more indicative of deposits elsewhere on Governors Island. They generally contained dark yellowish brown silty sand beneath the paving or topsoil down to the base of excavation. The actual Munsell colors for that deposit varied among the four color tiles representing dark yellowish brown.

Very few artifacts were recovered from light pole excavations. Locations containing artifacts include deposits from Stratum 1 on Andes and Hay Roads. The one Clayton Road location where cultural material was noted was in Stratum 2, it contained only three artifacts. Two were temporally diagnostic with the *tpq* of c. 1865, based on a green bottle glass sherd (FB 112) (Fike 1987: 13).

NPS Lighting

Excavation Dates: 10/23-24/2013 and 3/24-25/2014

A distinct part of the electrical work involved monitoring on National Park Service property. This included monitoring some of the demolitions of pre-existing light poles as well as new installation

locations. Figure 33 depicts the location of the fifteen light pole demolitions on NPS property. The poles themselves were removed from the bases and then the bases were attached to the bucket of a backhoe and pulled straight out from the ground. Part of the archaeological work plan for the demolition was to ensure that was the case and that no surrounding previously undisturbed deposits were affected. The first three of the fifteen locations were to be monitored to determine if the contractor's methods were followed and, if so, then monitoring demolitions would stop. This was the case. The old light pole bases measured 1.6 feet (49 cm) in diameter and were 3.5 feet (107 cm) high. They were pulled straight out with virtually no disturbance to surrounding deposits (see Photo 25).

Three new light poles were installed on NPS property in front of Building #107 on Andes Road (see Figure 34). The excavation for the light post installation was monitored. The northernmost light post location had the highest archaeological potential being in proximity to a known resource (subterranean brick walled structure - Stone 2010). That light post was relocated a couple of feet south of the original planned location to ensure avoidance of the site. The light post locations were excavated with a 2-foot (61 cm) diameter augur. The actual augur holes measured from approximately 2.4 to 2.8 feet (73 - 85 cm) in diameter. They were up to 6 feet (183 cm) deep. The top 1 to 1.5 feet (30 - 46 cm) was very dark grayish brown (Munsell 10YR 3/2) loamy sand, topsoil. That was underlain with dark yellowish brown (Munsell 10YR 3/6 or 4/4) or strong brown (Munsell 7.5YR 4/6) silty sand to the base of excavation. This is similar to the other light pole location on Andes Road. One artifact was recovered from each of the northern two locations in the upper stratum (FBs 192 and 194)⁵. These were ceramic sherds. A transfer printed refined earthenware sherd was recovered from the northern location and a redware sherd from the center location. The presence of these isolated artifacts is not necessarily indicative of anything archaeologically significant and the paucity of cultural material not reflective of the time period of deposition.

Sign Posts

Excavation Dates: 12/28/2012-5/15/2014

Excavation for twenty-seven sign posts holes in archaeologically sensitive areas was completed as part of the PPS project. Five of these were piloted with archaeological shovel test pits and the remaining twenty two were monitored contractor hand excavation. Figure 35 depicts the sign locations with the arbitrary number assignments. None of these tests revealed potentially significant archaeological resources. However a number of locations contained buried surfaces, a common phenomenon on Governors Island. STs 3 and 4 were obstructed by large rocks or concrete covering the entire 1.5 foot (46 cm) diameter holes at the same approximate elevation. The depth below ground surface had a larger differential because of the slope down from ST 4 to ST 3 where the obstructions were 1.5 and 2.4 feet (46 - 73 cm) respectively. Concrete was also found buried at approximately 0.7 feet (21 cm) below ground surface in ST 6 and 1.3 feet (40 cm) in ST 7. SPs 9, 17, 22, 24, 25 and 28 also encountered large rocks or concrete obstructions, at respective depths of 2.1, 3.0, 2.4, 1.5, 2.9 and 1.3 feet (64, 91, 73, 46, 88 and 40 cm). It is equally possible these obstructions were part of fill rather than buried surfaces. Buried asphalt or paving subbase was identified in two locations; SP 14 and 23, at 2.3 and 1.6 feet (70 and 48 cm) below ground surface. A summary of the stratigraphy in these holes is presented in Table 2. Very few temporally diagnostic artifacts were recovered from the post holes and shovel tests precluding any meaningful discussion of them.

Grading Excavations

Excavation Dates: 4/2-12/2/2013

Grading excavations were conducted in advance of the addition of engineered soil for plantings and resculpting the landscape. This work took place in two main locations with the deepest and most extensive work at (Tile 1 - Soissons Zone and Tile 13 - South Battery Zone). Lesser grading was completed in two other areas (Tile 4 - Soissons Zone and Tile 11 - Colonels Row Zone). Grading was generally conducted to prepare ground surfaces for the addition of engineered soil for planting. The maximum new soil profile was 3 feet (91 cm) and in many areas new soil profiles were 1.5 feet (45 cm) or less. Survey stakes marked the base elevation for grading the existing surface, preparing it for the

⁵ These two artifacts recovered from National Park Service property were catalogued as part of the PPS project, but have been removed from the collection and given to NPS.

TABLE 2 Governors Island Park and Public Space Sign Post Footing Stratigraphy ⁶

SIGN POST	STRATUM 1		STRATUM 2		STRATUM 3		STRATUM 4		STRATUM 5		OBSTRUCTIONS	COMMENTS
	DEPTH	SOIL	DEPTH	SOIL	DEPTH	SOIL	DEPTH	SOIL	DEPTH	SOIL		
SP 9	0-1.4	topsoil	1.4-2.0	10YR 4/6 fine sand	2.0-3.2	10 YR3/4 fine sand					concrete @ 2.1' bgs	hole was expanded
SP 10	0-1.6	10YR2/2 topsoil	1.6-2.6	10YR 4/6 silty sand/mottled	2.6-3.6	10 YR 4/6 silty sand/mottled					cable @ 1.4' bgs	
SP 11	0-1.6	10YR3/3 topsoil	1.6-2.2	10YR2/2 gravel	2.2-2.7	10YR3/2 & 10YR4/6 mottled sand	2.7-3.1	10YR4/6 fine sand	3.1-3.7	10YR5/8 & 10YR4/6 mottled coarse sand with shell		
SP 12	0-1.7	10YR3/3 topsoil	1.7-2.5	10YR4/6 silty clay	3.0-3.7	10YR3/3 silty clay/mottled						Strat 2 wood in NW profile
SP 13	0-1.9	10YR3/3 topsoil	1.9-3.7	10YR4/6 coarse sand with shell								
SP 14	0-0.9	10YR3/3 topsoil	0.9-2.1	10YR2/1 broken asphalt & gravel	2.1-2.3	10YR4/6 fine sand	2.3-3.7	10YR5/8 fine sand				ground asphalt @ 2.3' bgs
SP 15	0-0.9	10YR3/3 topsoil	0.9-1.9	10YR4/6 & 10YR3/2 sand/asphalt	1.9-3.0	10YR5/8 rocky fine sand/silt	3.0-3.3	10YR4/6 sand	3.3-3.7	7.5YR5/8 coarse sand		
SP 16	0-0.6	10YR3/3 topsoil	0.6-2.3	10YR4/6 & 10YR3/3 fine sand/silt	2.3-2.9	7.5YR4/6 & 10YR3/3 compact clay	2.9-3.7	10YR4/6 silty sand				
SP 17	0-0.6	10YR3/3 topsoil	0.6-2.8	10YR4/6 rocky silty sand	2.8-3.6	10YR3/6 sand with large rock					concrete/old sign post in Strat 1	large rock in Strat 3 @ 3' bgs removed by backhoe
SP 18	0-1.9	10YR2/2 topsoil/coarse sand	1.9-2.9	10YR3/4 wet coarse sand	2.9-3.1	10YR6/4 coarse sand	3.1-3.7	7.5YR4/6 coarse sand				
SP 19	0-0.9	10YR3/4 topsoil with sand	0.9-1.9	10YR6/4 wet sand	1.9-2.1	10YR3/4 sand	2.1-2.4	10YR6/4 sand	2.4-3.6	10YR3/6 to 10YR5/8 mottled wet sand	pipe @ 0.9' bgs	
SP 20	0-1.3	10YR3/2 topsoil	1.3-2.5	10YR4/6 & 10YR3/4 silty sand	2.5-3.4	10YR3/6 to 10YR7/6 mottled coarse sand with brick and concrete	3.4-3.6	10YR 4/6, 10YR6/2 & 10YR2/1 fine silt				pipe disturbance to 2.5' & disturbed to BOE
SP 21	0-1.1	10YR3/3 topsoil	1.1-2.9	10YR7/4 & 10YR6/2 rocky coarse compacted sand	2.9-3.5	10YR4/6 rocky silty clay					electric @ 1.2' bgs	25+ large rocks
SP 22	0-1.9	10YR3/3 topsoil	1.9-3.5	10YR4/6 & 10YR3/4 rubble fill in fine silty sand							concrete @ 2.4' bgs	large rocks
SP 23	0-1.5	10YR3/3 topsoil	1.5-2.5	10YR4/6 sand with asphalt & brick frags	2.5-3.5	7.5YR5/8 sand with shell					asphalt @ 1.6' bgs	large rocks
SP 24	0-0.3	10YR2/2 topsoil	0.3-1.9	7.5YR5/8 fine sand	1.9-3.5	7.5YR5/8 sand					concrete @ 1.5' bgs	hole relocated to avoid utility
SP 25	0-0.9	10YR3/6 & 10YR4/6 sandy topsoil	0.9-2.9	7.5YR5/6 sand	2.9-3.5	7.5YR4/4 clay silt					concrete @ 2.9' bgs	hole relocated to avoid utility
SP 26	0-1.0	10YR3/4 topsoil	1.0-2.3	10YR4/6 & 10YR3/4 fine sand	2.3-3.5	10 YR 4/6 silt						
SP 27	0-2.1	10YR2/2 sandy topsoil	2.1-2.9	10YR8/4 sand	2.9-3.5	10YR3/6 sand						
SP 28	0-2.1	10YR2/2 sandy topsoil	2.1-2.6	10YR8/4 coarse sand	2.6-3.5	10YR3/6 coarse sand					concrete @ 1.3' bgs	hole expanded to avoid utility

⁶ SP = sign post; ST = shovel test

TABLE 2 Governors Island Park and Public Space Sign Post Footing Stratigraphy (continued)

SP 29	0-1.8	10YR3/3 sandy topsoil	1.8-2.0	7.5YR7/6 & 10YR3/3 mottled coarse sand	2.0-2.2	10YR3/3 sand					unknown @ 2.2' bgs	filled with water
SP 30	0-1.3	10YR3/3 sandy topsoil	1.3-2.7	10YR4/1 wet sandy silt	1.9-2.1	10YR5/8 sand					pipe @ 1.4'	filled with water
ST 3	0-0.6	10YR4/2 sandy silt	0.6-1.5	10YR4/3 sandy silt							large rock @ 1.5' bgs	
ST 4	0-1.2	10YR3/2 topsoil	1.2-1.8	10YR3/3 silty sand	1.8-2.2	10YR4/3 silty sand	2.2-2.4	10YR4/4 silty sand			large rock @ 1.8' bgs	test expanded @ 1.8' bgs
ST 6	0-0.7	10YR4/4 topsoil	0.7-1.3	10YR4/4 loamy silt	1.3-2.3	7.5YR4/6 compact silty sand						
ST 7	0-0.5	10YR3/3 topsoil	0.5-0.9	10YR2/2 silt	0.9-1.3	7.5YR4/6 sandy loam					concrete and stone @ 1.3' bgs	
ST 8	0-1.1	10YR3/3 topsoil	1.1-3.0	10YR4/6 drv sandy								

addition of engineered soil. The stakes were used by the archaeologists as a datum for artifact proveniences. Depending on the earlier topography, grading removed up to the soil profile depth (generally 3 feet or 1.5 feet), but often less. In some places only new soil was added. Figure 36 depicts the grading areas.

Tile 1 grading was located predominantly on the western side of Ferry Line Road, east of Building #110 and between Carder Road and the seawall. There was a smaller amount of grading done on the south side of Building #109 at Andes Road. Figure 37 (top) is a profile of part of the grading work there. It depicts some disturbance and shows an ashy deposit beneath the topsoil, a relatively common occurrence on Governors Island where furnace waste was often used as fill. The glass concentration discussed above was identified partially within the grading excavations in Soissons Zone (see Figure 25). Numerous other artifact contexts were also associated with the Tile 1 grading (FBs 131, 132, 143, 156 and 158). The *tpq* of these contexts is 1867 based on two embossed bottle glass sherds, slightly earlier than the *tpq* of the glass concentration (Fike 1987: 4; Jones & Sullivan 1989: 49).

Tile 13 grading unearthed Feature 3 (Previously Unknown Building Foundation) and Feature 5 (1906 Compost Heap), as well as the concentration of kiln waste, all discussed above. A representative soil profile from general grading in Tile 13 to the northeast of these other findings, is presented in Figure 37 (bottom). The artifact contexts from Tile 13 grading, not including those contexts previously discussed (FBs 159, 160, 162, 163, 165, 166, 167, and 172) had a combined *tpq* of the 1890s, the same period of the kiln waste concentration. This also coincides with the 1883 construction of a seawall across the southern side of Governors Island connecting the South Battery area to Castle Williams. That seawall construction would have necessitated a significant quantity of fill be introduced to the area.

Grading excavations at Tiles 4 and 11 were minimal, only 0.6 feet (18 cm) below ground surface. One sheep femur fragment was recovered in Tile 11 grading (FB 196), four undecorated porcelain ceramic sherds were recovered from Tile 4 grading (FB 197), but no temporally diagnostic artifacts were present at either location.

Irrigation

Excavation Dates: 3/23-11/7/2013

Irrigation lines were generally installed in locations where engineered soil for plantings had been placed. Lateral lines were installed in the engineered soils themselves and therefore required no archaeological monitoring. Irrigation mains were deeper, excavated to 3 feet (91 cm) below ground surface within deposits that did require monitoring. This excavation took place in two locations; Tile 1 - Soissons Zone and Tile 13 - South Battery Zone (see Figure 38). Tile 13 work had been scaled back from the original construction drawings due to the elimination of the play field in the Parade Ground. The work at Tile 13 was slightly rerouted and terminated at the irrigation controller at the southern Parade Ground. That portion of the irrigation main was excavated using a ditch witch, whereas a small backhoe was used in all other areas.

Of note was a portion of a buried concrete surface beneath and adjacent to the walkway in the southern end of the Parade Ground, approximately 0.5 feet (15 cm) below the current walkway surface and 1.3 feet (40 cm) below the grass east of the walkway. It was exposed on the eastern side of the walkway at a point to the south of where the irrigation main was ultimately installed. When encountered, an additional trench was excavated to the north to try to avoid the concrete to no avail (see Figure 39). The concrete was 0.4 feet (12 cm) thick and was found in two layers with a small gap between them so that the entire thickness totaled approximately 1 foot (30 cm) (see Photo 26). The upper piece of concrete extended to a point 3 feet (91 cm) east of the existing walkway. The lower piece extended an additional 0.8 feet (24 cm) east. The western side of the buried concrete aligned with the western side of the existing walkway. Additional buried concrete was also documented in the eastern profile of the irrigation trench and can also be seen in Photo 26. This buried concrete surface likely represents an earlier walkway or two. The fill within the area east of the walkway in the south Parade Ground, from where it crosses the walkway and northward to the irrigation controller, contained a large amount of modern debris including sewer pipe fragments, toilet porcelain and plastic. None of these artifacts were retained.

Throughout the irrigation monitoring, very few artifacts were recovered (n=9) (FBs 174, 176, 177 and 179). Although there are a number of those which are temporally diagnostic, the low numbers preclude making any inferences regarding deposition date.

Figure 40 depicts two representative profiles of the irrigation trenches. The lower profile is from elsewhere in the south Parade Ground where an intrusion of deposit containing a concentration of brick fragments was identified. The basal stratum of that trench contained a loamy soil that once would have been the ground surface there before the addition of fill. The upper profile on Figure 40 is more typical of soil profiles seen throughout the PPS excavations.

Retaining Walls

Excavation Dates: 1/7-4/24/2013

A somewhat complicated series of retaining walls was constructed in Soissons Zone (Tile 1) around Building #109 as part of reconfiguring Ferry Line and Carder Roads and creating a ADA accessible ramp to the new Welcome Wall at Building #109. The designers named each wall with a letter, A - G (see Figure 41). The excavation for the retaining wall footings varied in elevation based on the construction plans and existing topography and ranged from virtually no excavation to over 8.5 feet (259 cm). The width of the excavations also varied, from 3 feet (91 cm) for part of the G Wall to 22 feet (671 cm) where the A, B and F Wall footings were contiguous on the north side of Building #109.

Feature 2 was identified during monitoring of the C and E Wall excavations. No other potentially significant findings were unearthed during retaining wall footing excavations. In fact, very little cultural material was identified at all. Only four artifact proveniences were established for all of the retaining wall footing monitoring (FBs 75, 79, 114 and 121). Of these, three contained temporally diagnostic artifacts, a total of four artifacts with a combined *tpq* of 1869 based on a Cantrell and Cochrane bottle sherd similar to that previously discussed (F Wall: FB 75). Figure 42 depicts representative soil profiles from the retaining wall footing excavations.

Storm Drainage

Excavation Dates: 11/26/2012-5/17/2013

New storm drainage lines with associated catch basins, manholes and area drains, along with one french drain, were placed in three areas of the PPS project; Soissons Zone (Tiles 1 and 5) and South Battery Zone (Tile 13) (see Figure 43). Six catch basins and three manholes were in the South Battery Zone. Soissons Zone contained two catch basins, two manholes, three area drains and one french drain. None of the work on the storm drainage unearthed any potentially significant archaeological resources. However one of the trenches in the South Battery Zone near Building #301 exposed a deposit that may represent the edge of the original Governors Island landform as it met the water (see Figure 44).

The french drain was added to the project in Soissons Zone to address unforeseen drainage issues in Ferry Line Road. The excavation for the french drain was a trench measuring approximately 102 feet (31.1 m) long by 3 feet (91 cm) wide and 1.5 feet (46 cm) deep. Numerous utilities were identified crossing the trench and the artifacts observed and recovered from that excavation reflect a mix of modern and older materials. The stratigraphy within the french drain trench is depicted on the lower portion of Figure 45 and is typical of most excavations on Governors Island.

Excavation depths varied for the catch basins and manholes from approximately 3 feet to over 9 feet (91 - 274 cm) depending on drainage needs. The associated drain line excavations were at least 1 foot (30 cm) shallower. The width of excavation for the catch basins and manholes was approximately 8 feet (244 cm) square and for the drainage lines 3 feet (91 cm) wide. The excavations in the South Battery Zone exposed buried paved surfaces of concrete, asphalt, brick and/or Belgian block in multiple locations, indicating earlier roads, walkways and/or parking lots. These were located between 2 to 3 feet (61 - 91 cm) below ground surface. The upper portion of Figure 45 depicts a representative profile from South Battery Zone including a piece of buried concrete, that could have been part of a buried surface. There is also a fair amount of additional disturbance in the South Battery profile showing two pipes crossing the trench segment depicted. Deposits containing shell, indicative of shoreline proximity, were identified elsewhere in South Battery Zone storm drainage work near the interior corner of Building #301, the

southwesternmost point of excavation there (see arrow on Figure 44). That is, in fact, the closest point in this area to the former Governors Island shoreline, approximately right at the shoreline as depicted on the historic maps presented in the AWP (Stone 2012c: Figures 6-8).

Although there were no archaeological features present within the storm drainage excavations, a number of artifacts were recovered from these locations, primarily from the South Battery Zone. The *tpq* of the artifacts from South Battery storm drainage work is the late-19th century based on an embossed whole bottle and two ironstone ceramic sherds recovered from the trench segment adjacent to Kimmel Road (bottom of Figure 43) (FB 31) (Fike 1987: 13; Godden 1992: xxiii iv; Jones & Sullivan 1989: 37 39, 49; Majewski & O'Brien 1987: 121). This is a time frame consistent with the 1883 seawall construction connecting the area of Castle Williams to South Battery and the soon after expansion of Governors Island with fill from the Lexington Avenue subway excavations.

Water

Excavation Dates: 11/29/2012-6/10/2013

New water lines for irrigation, hydrant and water fountain connections were placed in four locations within the Historic District (see Figure 46). Within Soissons Zone water was installed in two locations. The western of these was a replacement of an existing water main in Carder Road north of Building #110. This location was not monitored because it was a replacement in kind. However the branch from that main to a planned water fountain located at the east side of Building #110 was monitored. Further east, excavation for a new hydrant at the southwest corner of Carder and Ferry Line Roads and the connecting water main excavation on Carder Road between Building #s 140 and 109 were monitored, as was the excavation in the parking area between Building #s 109 and 108. Monitoring in the South Battery Zone was conducted for the location of the irrigation controller and meter vault at the southern end of the Parade Ground and for the fire hydrant to the south of St. Cornelius Church.

Water main excavation monitoring unearthed an additional portion of Feature 1 (discussed above), but little else of archaeological concern. The portion of the trench that connects Building # 108 to the Carder Road segment was sand with boulders, making the trench quite unstable. Most other trenches contained varying levels of fill and had similar instability.

Water main excavation monitoring resulted in the recovery of artifacts from two contexts; 1) in Soissons Zone at Carder and Ferry Line Roads where the contractor was exploring to find the existing water main and other nearby utilities (FB 103) and 2) for the meter vault in the south end of the Parade Ground Zone (FB 180). The Soissons Zone deposit proved to be thoroughly disturbed. Only one of the artifacts recovered was temporally diagnostic with a broad date range of manufacture to preclude reaching any meaningful interpretation regarding this fill. The meter vault trench yielded only one temporally diagnostic artifact, found in the upper foot of the trench; a glass sherd from a jar, possibly used as part of a nut grinder, manufactured between 1930 and 1944 (FB 180). This time frame coincides with that of general modifications to the Parade Ground in the 1930s.

Gas

Excavation Dates: 4/10-11/2013

There was excavation for only one gas line as part of the PPS project. It was located in South Battery Zone (Tile 13)(see Figure 47). The new gas line was approximately 680 feet long (207 m) and installed roughly 3 feet (91 cm) north of the existing gas. Excavation for the gas line took place after the paving had been removed. Depth of excavation varied and ranged from approximately 3 to 5 feet (91 - 152 cm).

Much of the length of the pipe excavation contained disturbed deposits from crossing utilities and/or sand fill from the original gas main. However there were a few sections where stratigraphy was visible. Figure 48 depicts one of these locations, near the northwest corner of Building #301. It too contained fill, but appeared to be concentrated in episodes based on the variety of soil types and mottling present, as shown on Figure 48. Artifacts recovered from the gas trench excavations are indicative of mixed fill.

Faunal Report Summary

The animal bone and shell were identified and analyzed by Marie-Lorraine Pipes to determine if any

patterns could be discerned. The majority of the faunal material was comprised of dietary refuse. Most of the bone was beef and mutton cuts of meat that represented stews and roasts. There was a virtual absence of individualized cuts. The collection is considered representative of historic U.S. military foodways where beef dominated and “was occasionally enhanced with other meats” (Appendix C: 1, 5).

In addition to evaluating the types of meat consumed historically, analysis of food remains also provided notable information on its procurement and disposal. “There is a general absence of rodent gnawing and surface weathering on the majority of the bone specimens,” indicating the disposal of trash was likely burial. The lack of cranial and foot elements, as well as other certain skeletal elements, is an indicator that the cattle were not butchered on Governors Island. However, live pigs were likely kept, based on the presence of neonatal pig bones (Appendix C: 4-5).

Analysis of food remains by Zone did not reveal any significant differences. However it was interesting to note the only calcined bone recovered in the PPS project was in the samples from the northern Parade Ground Zone within the trench hand excavated as part of testing for the Garrison Cemetery (Tile 7, Trenches 8 and 9; FBs 42, 44 and 71). Bone becomes calcined from extensive heat exposure and calcined bone is often associated with Native American sites. One of the three known Native American sites on Governors Island is located nearby, in the part of the Parade Ground directly to the south of Fort Jay. However no Native American artifacts were recovered from excavation of Trenches 8 or 9 and these contexts also contained historic period artifacts.

Native American Artifacts

No Native American sites were identified during the PPS project. Only one possible Native American artifact was recovered; a piece of red sandstone that may have been worked (FB 64). It was found in the Northern Parade ground in one of the hand excavated trenches that was dug to test for remains of the Garrison Cemetery (Tile 7, Trench 9). That context represents a deposit between 0.5 - 1.0 feet (15 - 30 cm) bgs and also includes historic period artifacts. Other artifacts from that context include pearlware and stoneware ceramic sherds and pieces of flat glass and aqua bottle glass. The Phase 1A Archaeological Assessment suggested the Parade Ground is sensitive for the preservation of Native American archaeological material (PAL 1996: Figure 4-1). One of the three known Native American sites on Governors Island is located in the part of the Parade Ground adjacent to the south side of Fort Jay.

CONCLUSIONS AND RECOMMENDATIONS

The Governors Island Park and Public Space Project: Phase 1 involved archaeological work associated with the excavation for utilities and park features located within the Governors Island Historic District. Archaeological work consisted of both pre-construction archaeological testing and construction monitoring. Nine features were preliminarily identified, eight of those were actual historic features (see Figure 5). One was determined part of the fill. Two data recoveries were completed, both for former structures which were later identified on a 1906 map; Feature 1 - Gasoline Tank and Feature 2 - Lead House. Small portions of the structural remains of both of those sites were left *in situ* after the completion of the data recovery and contractor excavations. The portions of the other six features that were identified during the PPS project were either reburied and thus preserved in their entirety (Feature 3 - Unknown Building Foundation site, Feature 7 - 1867 Laundress Quarters site, Feature 8 - 1813 Wash Houses site and Feature 9 - 1867 Wash House/1879 Bath House) or small portions of the sites were identified, partially excavated and the remainder preserved (Feature 5 - 1906 Compost Heap site and Feature 6 - 1906 Conservatory site). Two deposits of note were identified; a concentration of glass bottle sherds (see Figure 25) and a concentration of kiln waste (see Figure 27).

Pre-construction archaeological testing was also conducted at the location of two former cemetery sites; the Garrison Cemetery (location known only from the 1813 Mangin map) and the Fort Columbus Cemetery (1795 - 1886). No graves, human remains or other burial related evidence was found during the PPS project excavations.

Other pre-construction work was completed to identify additional potentially significant archaeological resources. None were found. Non-significant resources identified include buried remains of earlier paved surfaces; generally buried 2 feet (61 cm) or less below ground surface. These included earlier roadways, parking areas and pathways, as well as possible historic shoreline surfaces. Construction excavation monitoring afforded the opportunity to continue documentation of general site conditions and soil accretion/deposition. Numerous trench profiles are provided.

Recommendations

No additional below ground work is planned for the Governors Island Park and Public Space Project: Phase 1. Should additional ground disturbing actions be added at a future time, plans to address archaeological concerns should be included. There should be heightened awareness of the eight archaeological resources that were preserved or partially preserved during the PPS project, discussed in this report. Similar consideration should be given to future ground disturbing actions in the vicinity of the two deposits of note identified during the PPS project; the glass concentration and the kiln furniture concentration. Additional research and/or pre-construction archaeological excavation would likely be warranted. Archaeological recommendations for future projects include pre-construction documentation of the below ground impacts during the project planning phase and pre-construction testing for locations of high and/or moderate potential. Monitoring should be considered for areas of lower archaeological potential and as otherwise may be appropriate to follow up the pre-construction testing.

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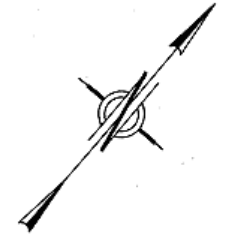
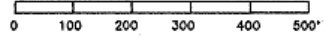
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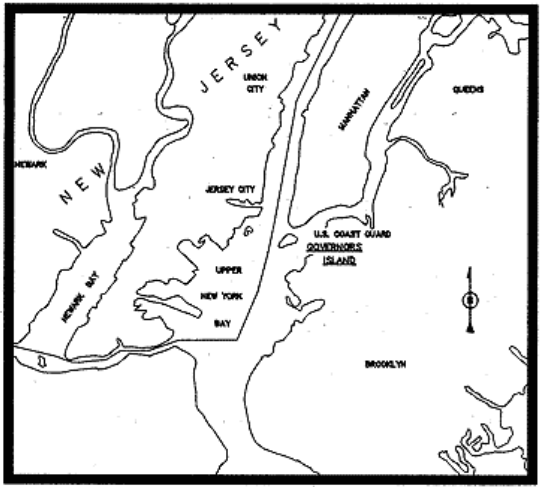
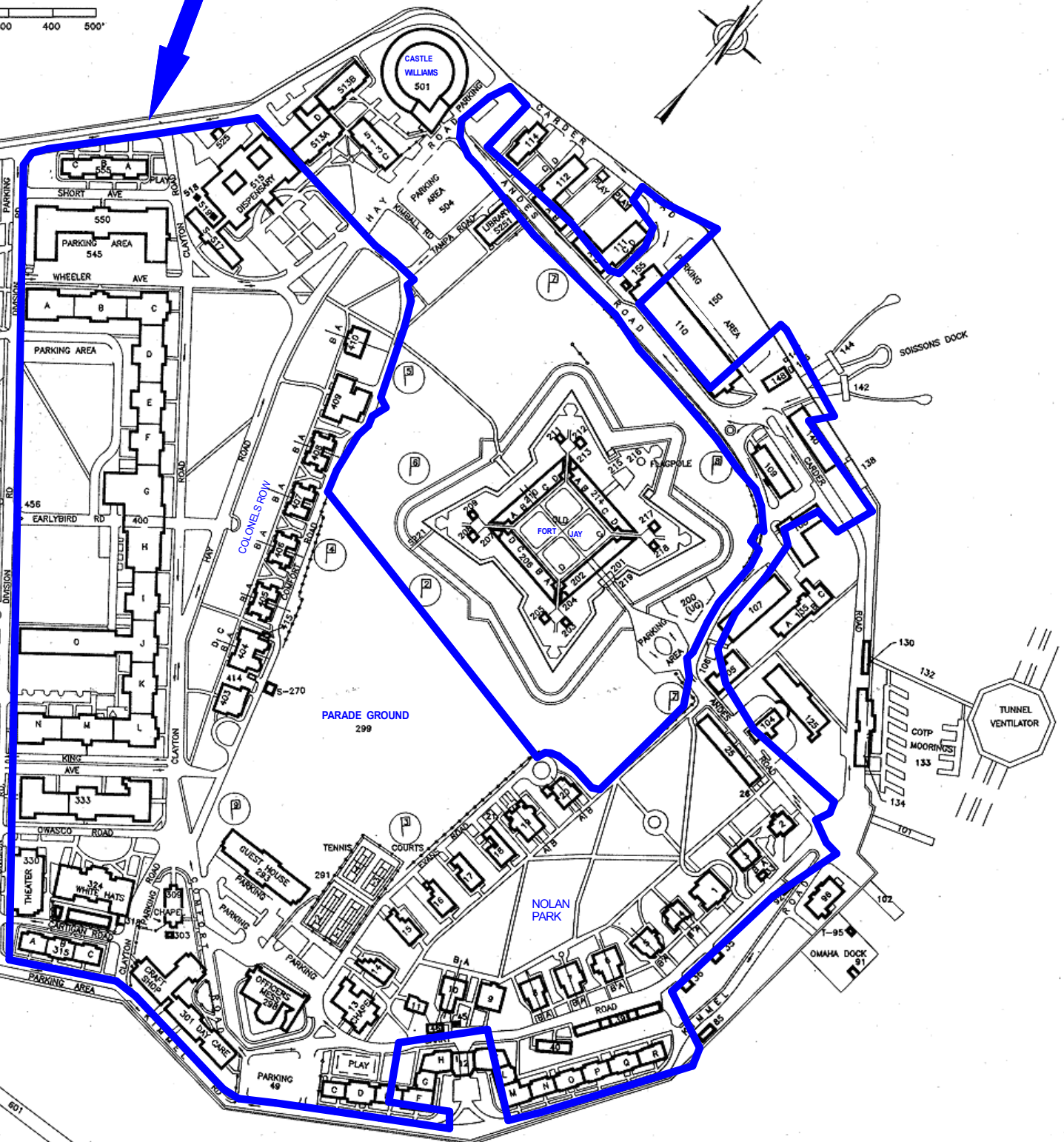
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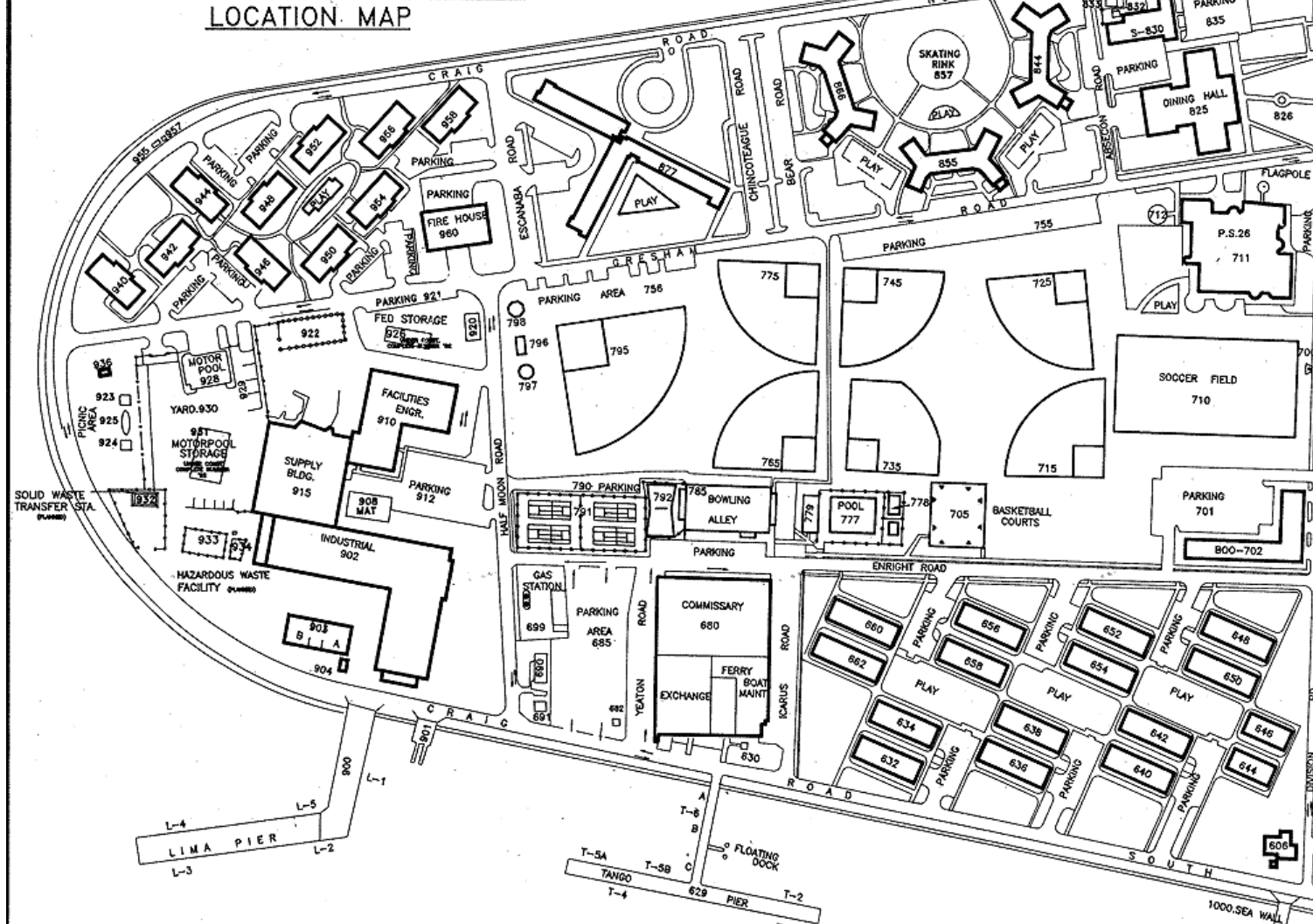


Park Phase 1 APE



LOCATION MAP

UPPER NEW YORK BAY



GOV. IS. LIMITS

FERRY:

A. VEHICLE WT. (TOTAL)
 1. TRUCK/CAR, DUAL AXLES-----20 TONS
 2. TRUCK, TANDEM AXLES-----30 TONS

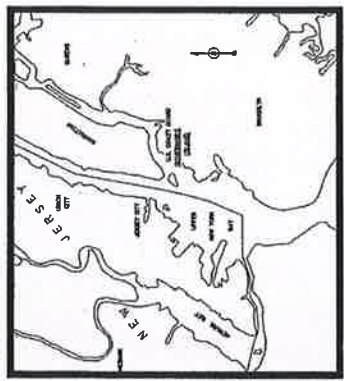
B. DIMENSIONS
 1. HEIGHT-----13'-4"
 2. LENGTH-----30'-0"
 3. LOAD WIDTH-----10'-4"
 4. WHEEL BASE WIDTH-----8'-10"

PIER:

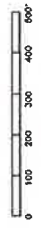
A. PIER 78-----75lb/ft²
 B. PIER 100-----75lb/ft²
 C. PIER 101-----300lb/ft²

D. LIMA PIER-----15 TONS (DUAL AXLE)
 E. TANGO PIER-----10 TONS (DUAL AXLE)
 F. YANKEE PIER-----28 TONS (DUAL AXLE)

Figure 1 The Governors Island location map showing the general outline of work for the Park and Public Space Project: Phase 1.

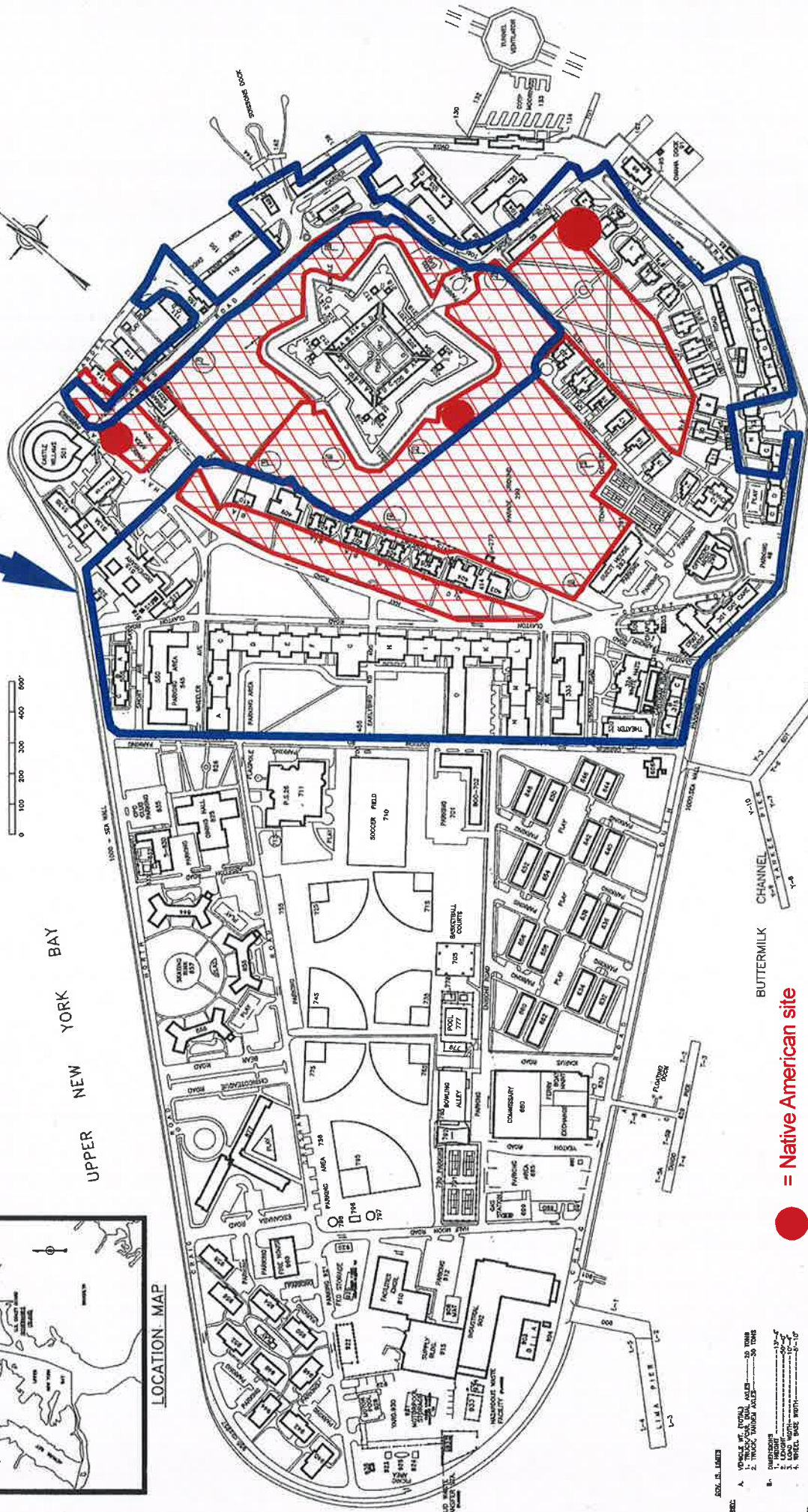


SITE PLAN
 U.S. COAST GUARD
 SUPPORT CENTER NEW YORK
 GOVERNORS ISLAND, NEW YORK
 JAN 1992



UPPER NEW YORK BAY

Park Phase 1 APE



● = Native American site
◆ = prehistoric sensitivity

- REV. 01. 1992**
- 1. TRUCK/VEHICLE TRAIL AXLES
 - 2. TRUCK/VEHICLE AXLES
 - 3. TRUCK/VEHICLE AXLES
 - 4. TRUCK/VEHICLE AXLES
 - 5. TRUCK/VEHICLE AXLES
 - 6. TRUCK/VEHICLE AXLES
 - 7. TRUCK/VEHICLE AXLES
 - 8. TRUCK/VEHICLE AXLES
 - 9. TRUCK/VEHICLE AXLES
 - 10. TRUCK/VEHICLE AXLES
 - 11. TRUCK/VEHICLE AXLES
 - 12. TRUCK/VEHICLE AXLES
 - 13. TRUCK/VEHICLE AXLES
 - 14. TRUCK/VEHICLE AXLES
 - 15. TRUCK/VEHICLE AXLES
 - 16. TRUCK/VEHICLE AXLES
 - 17. TRUCK/VEHICLE AXLES
 - 18. TRUCK/VEHICLE AXLES
 - 19. TRUCK/VEHICLE AXLES
 - 20. TRUCK/VEHICLE AXLES
 - 21. TRUCK/VEHICLE AXLES
 - 22. TRUCK/VEHICLE AXLES
 - 23. TRUCK/VEHICLE AXLES
 - 24. TRUCK/VEHICLE AXLES
 - 25. TRUCK/VEHICLE AXLES
 - 26. TRUCK/VEHICLE AXLES
 - 27. TRUCK/VEHICLE AXLES
 - 28. TRUCK/VEHICLE AXLES
 - 29. TRUCK/VEHICLE AXLES
 - 30. TRUCK/VEHICLE AXLES

Figure 2 Native American archaeological sites and sensitivity in relation to the Governors Island Park and Public Space Project: Phase 1.

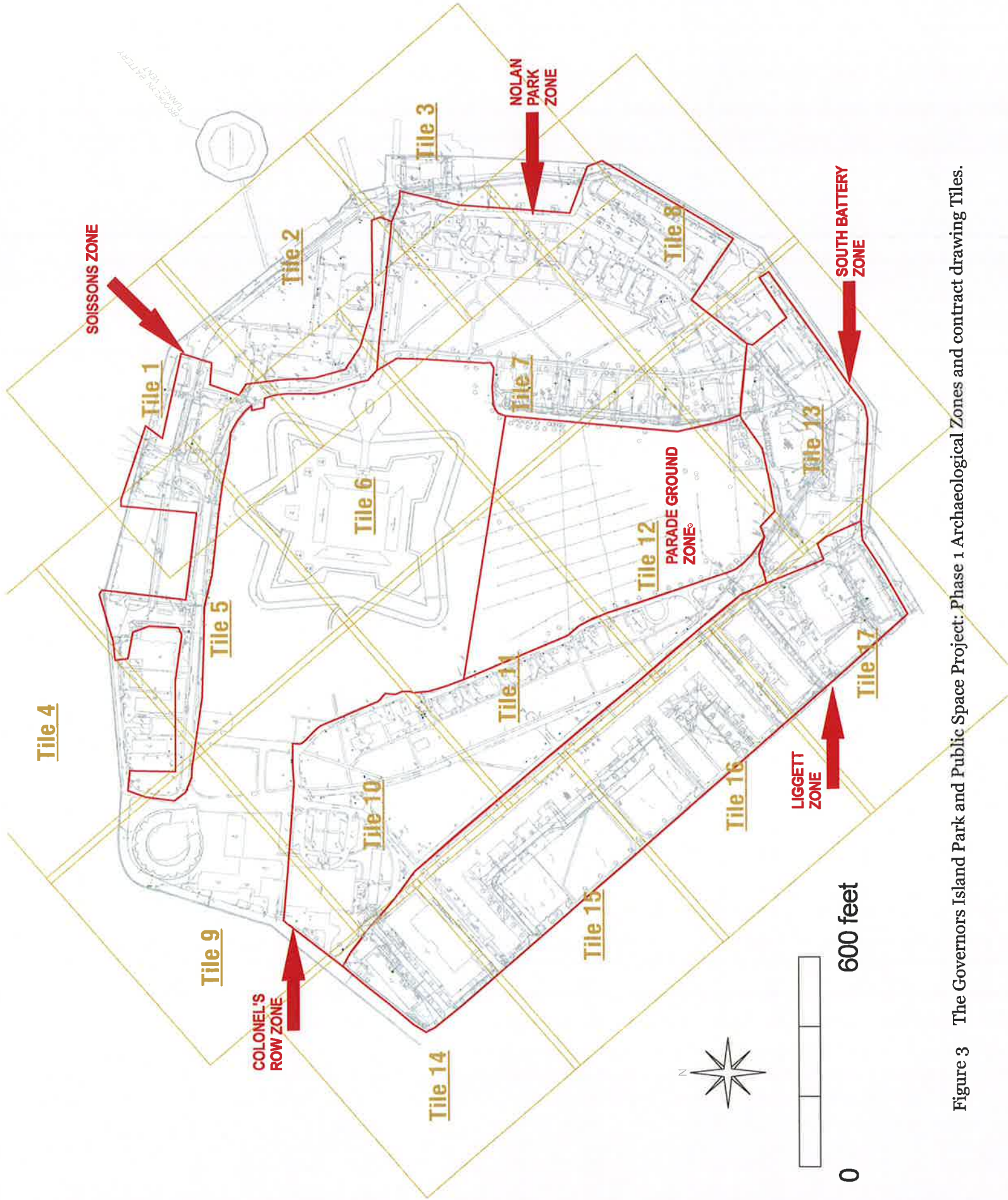


Figure 3 The Governors Island Park and Public Space Project: Phase 1 Archaeological Zones and contract drawing Tiles.

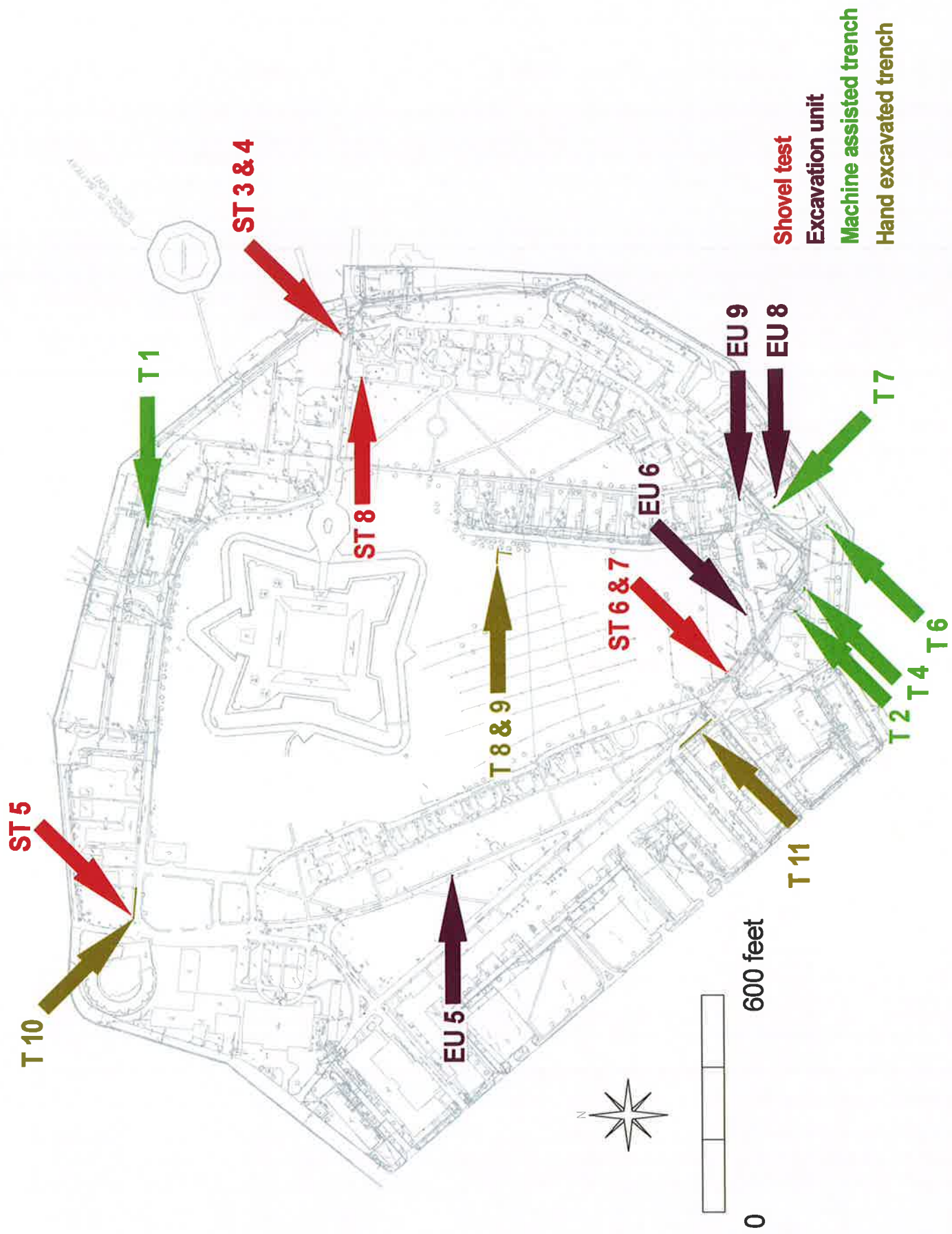


Figure 4 Location of pre-construction archaeological work; shovel tests (ST#), excavation units (EU#) and test trenches (T#).

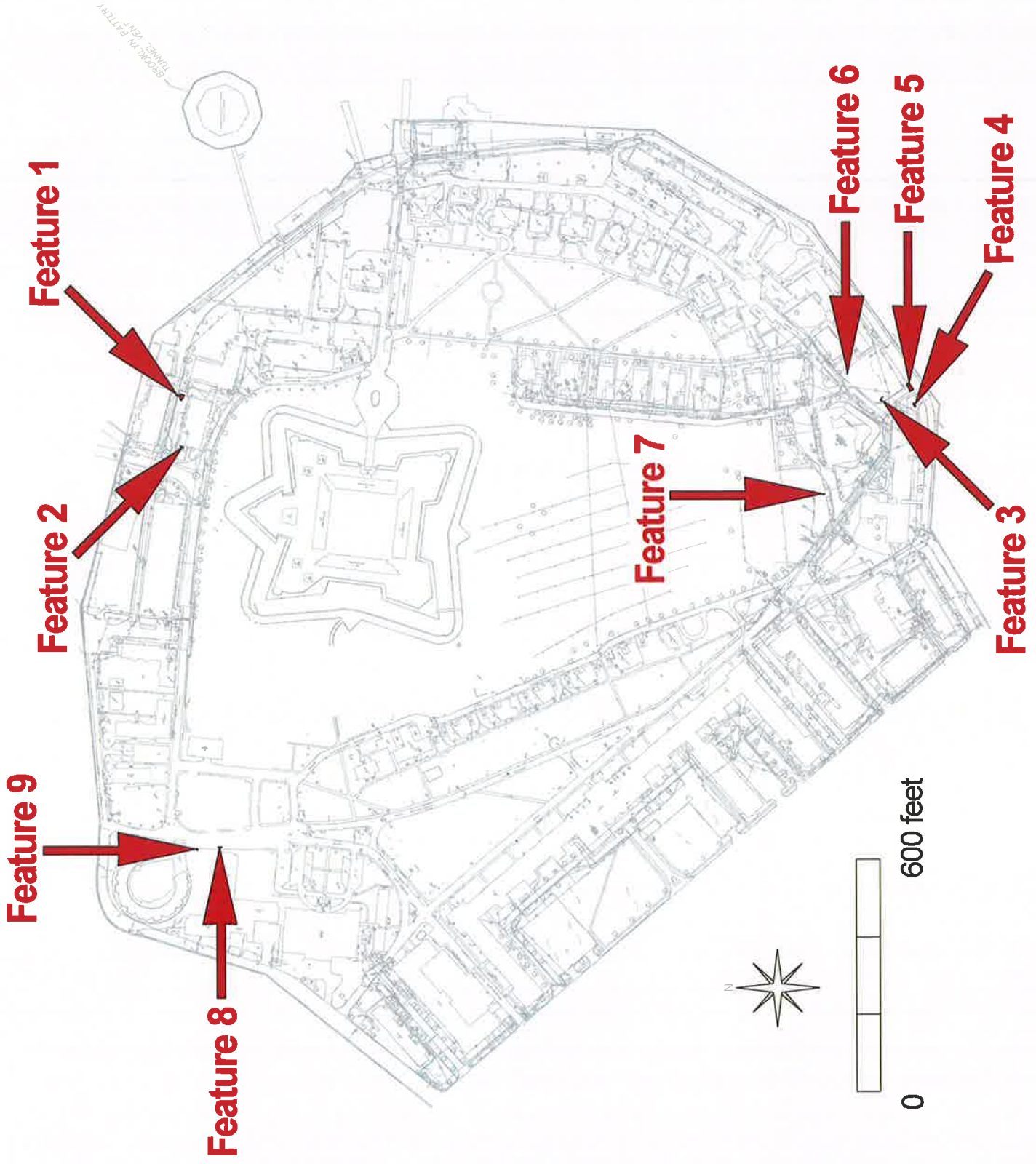
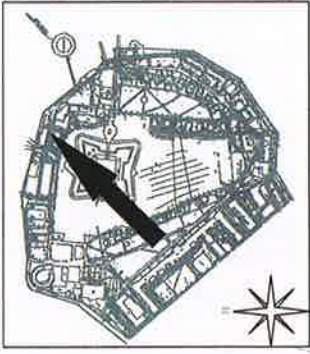
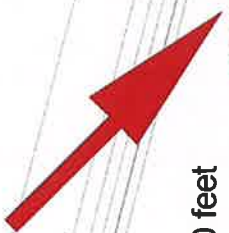


Figure 5 Location of archaeological features identified during the Governors Island Park and Public Space Project.



Bldg # 140

Feature 1



Carder Road



Retaining Wall A



Bldg # 109

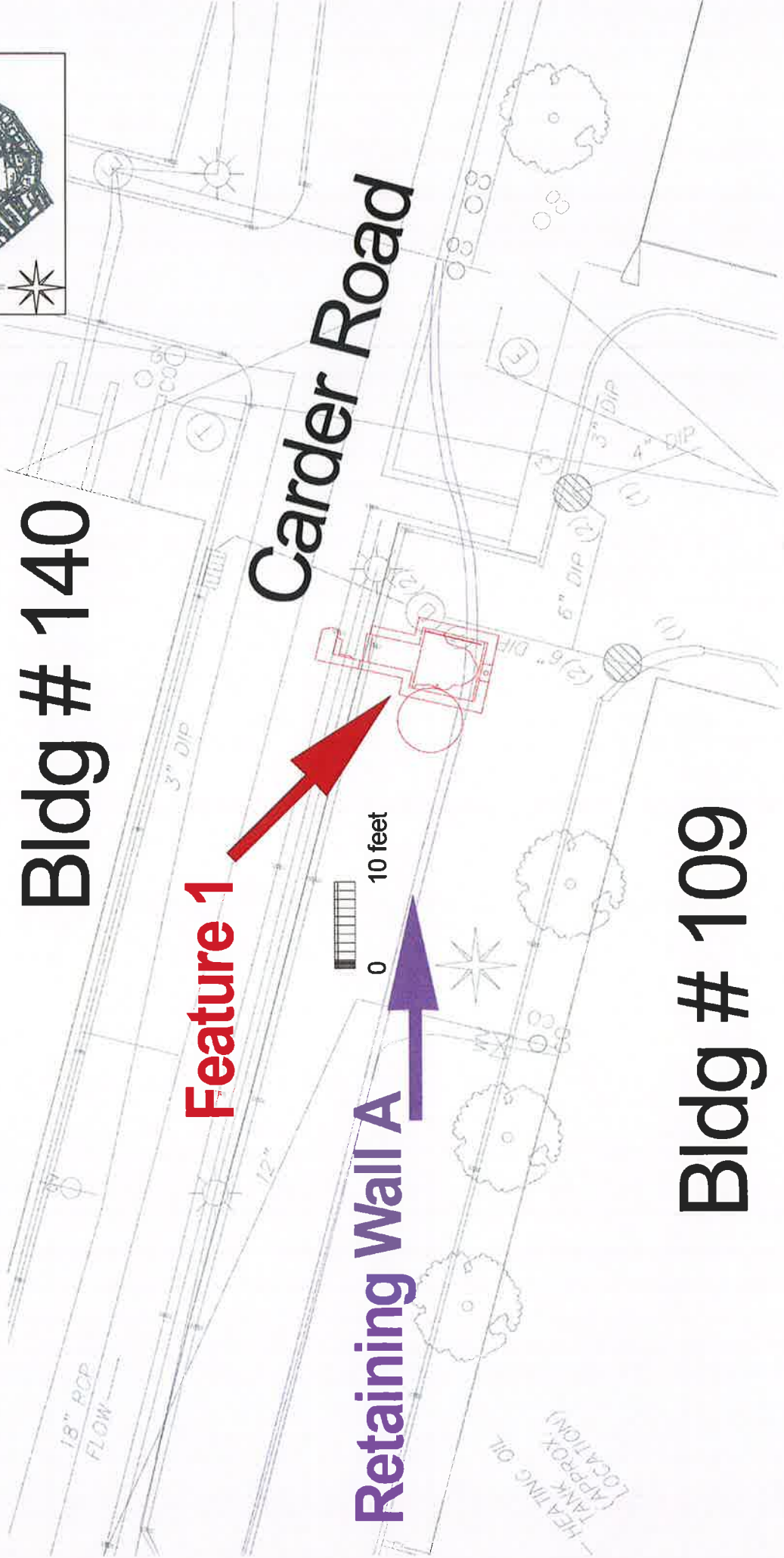


Figure 6 Location of Feature 1 on the existing conditions survey also showing the location of the new retaining wall (Soissons Zone, Tile 1).

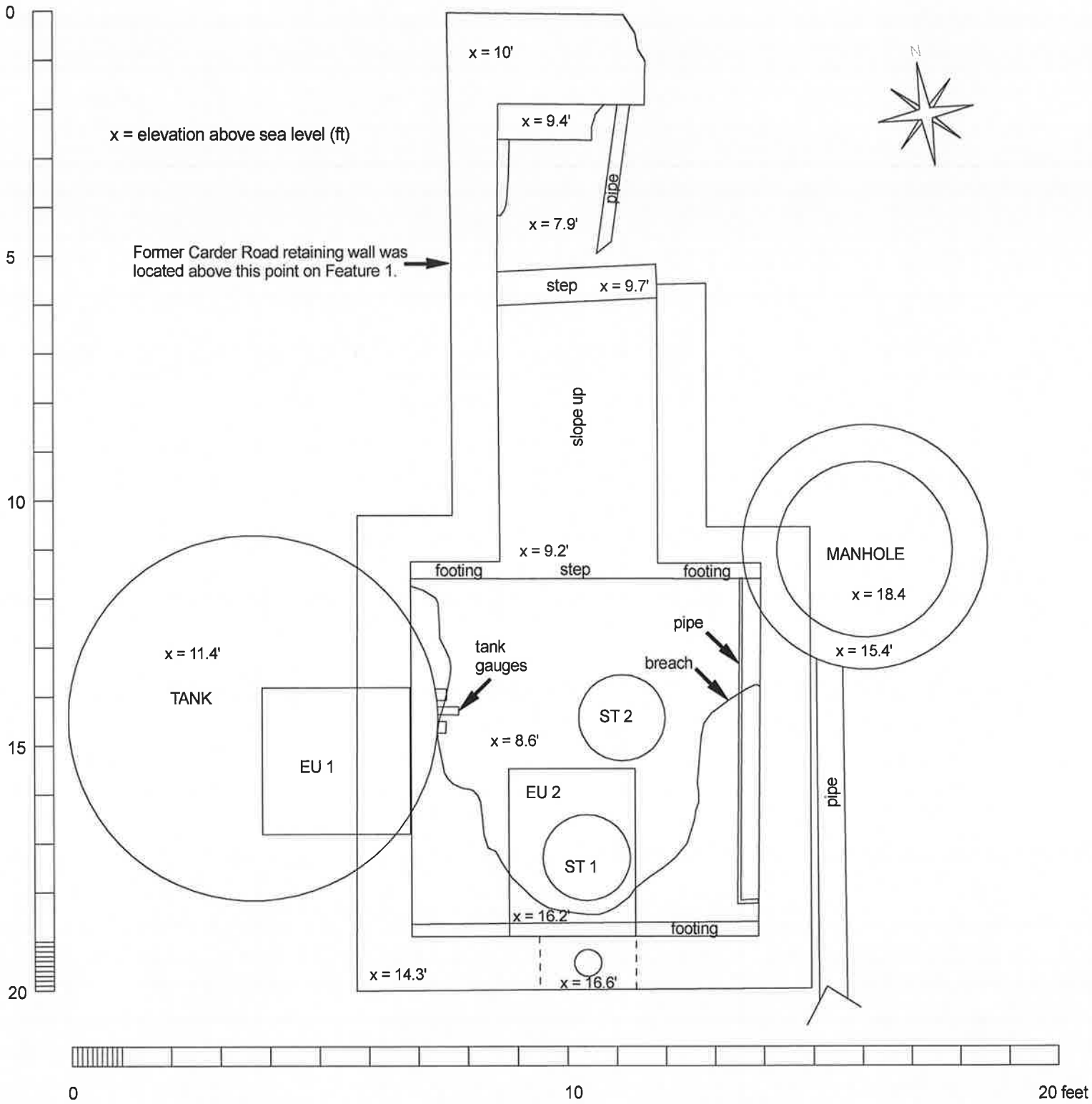


Figure 7 Plan view of Feature 1 also showing location of archaeological shovel tests and excavation units (Soissons Zone, Tile 1).

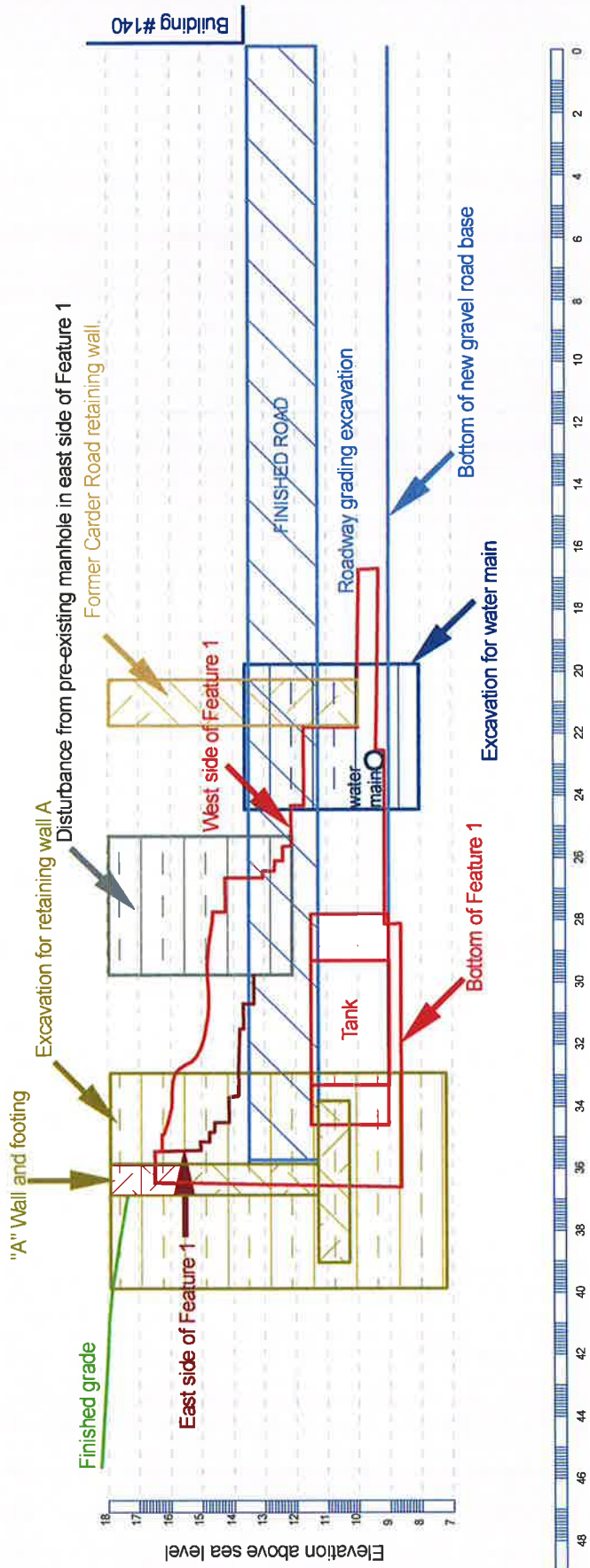
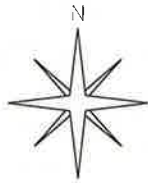


Figure 8 Cross section of Feature 1 also showing contractor excavations (Soissons Zone, Tile 1).

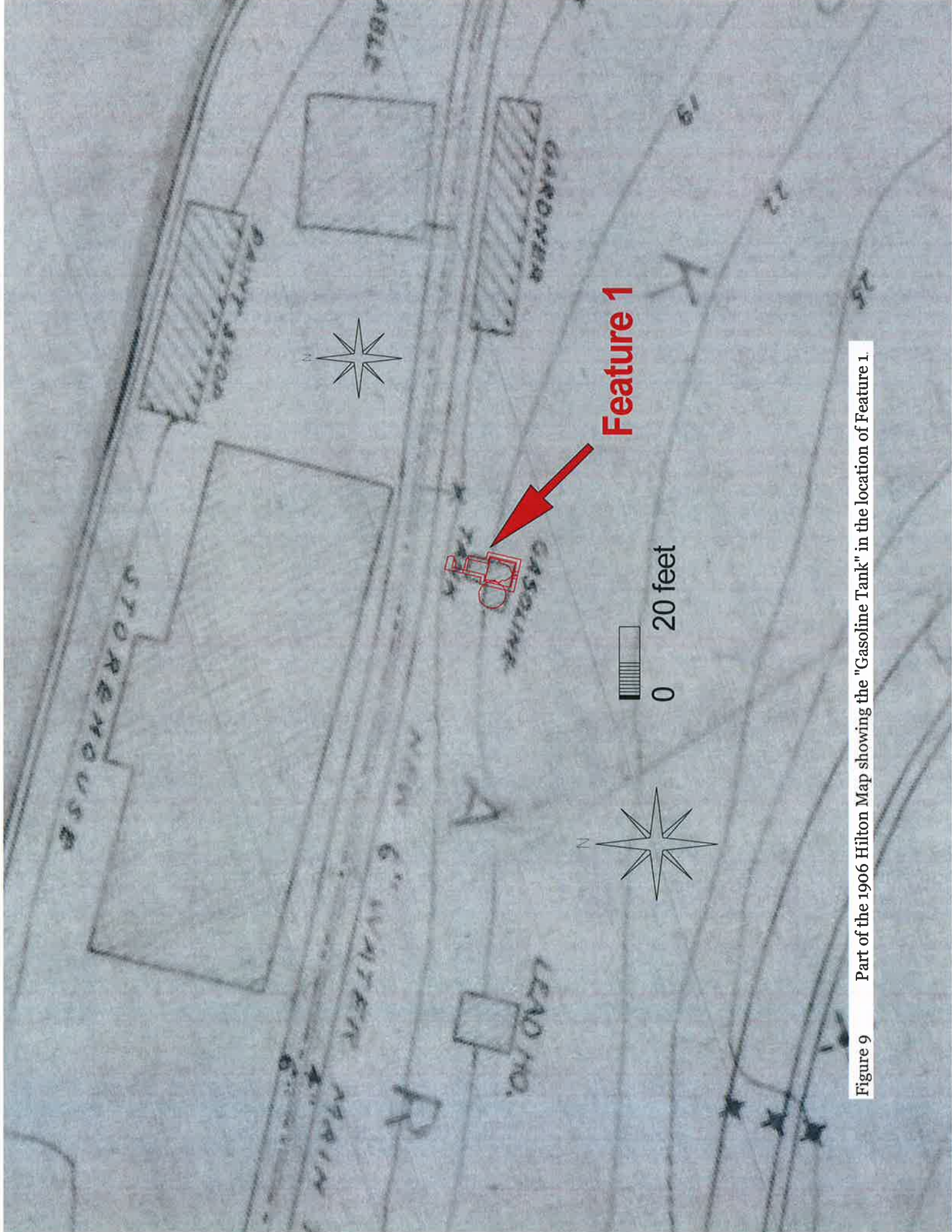


Figure 9 Part of the 1906 Hilton Map showing the "Gasoline Tank" in the location of Feature 1.

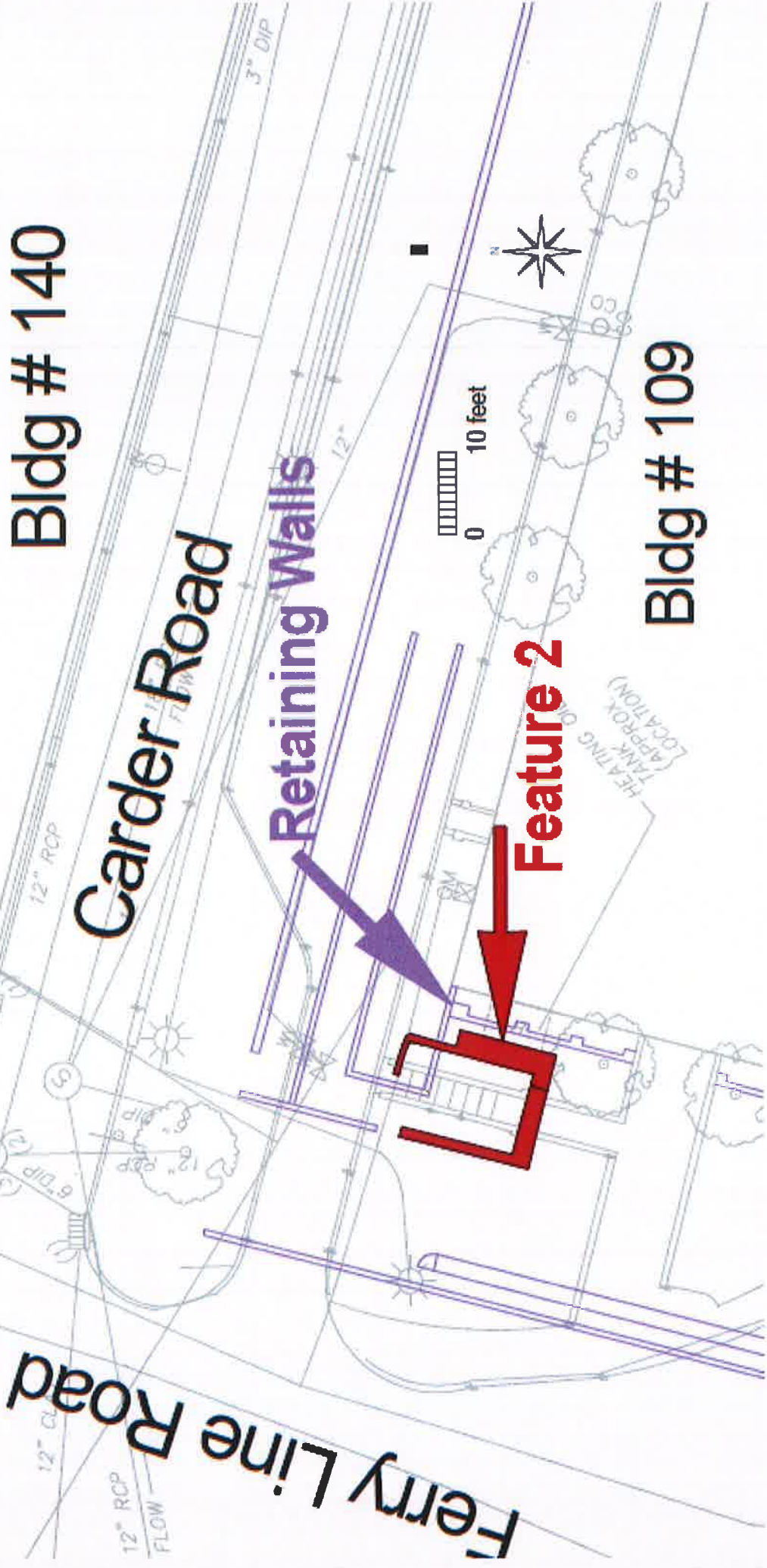


Figure 10 Location of Feature 2 on the existing conditions survey also showing the location of the new retaining walls (Soissons Zone, Tile 1).

x = elevation above sea level (ft)

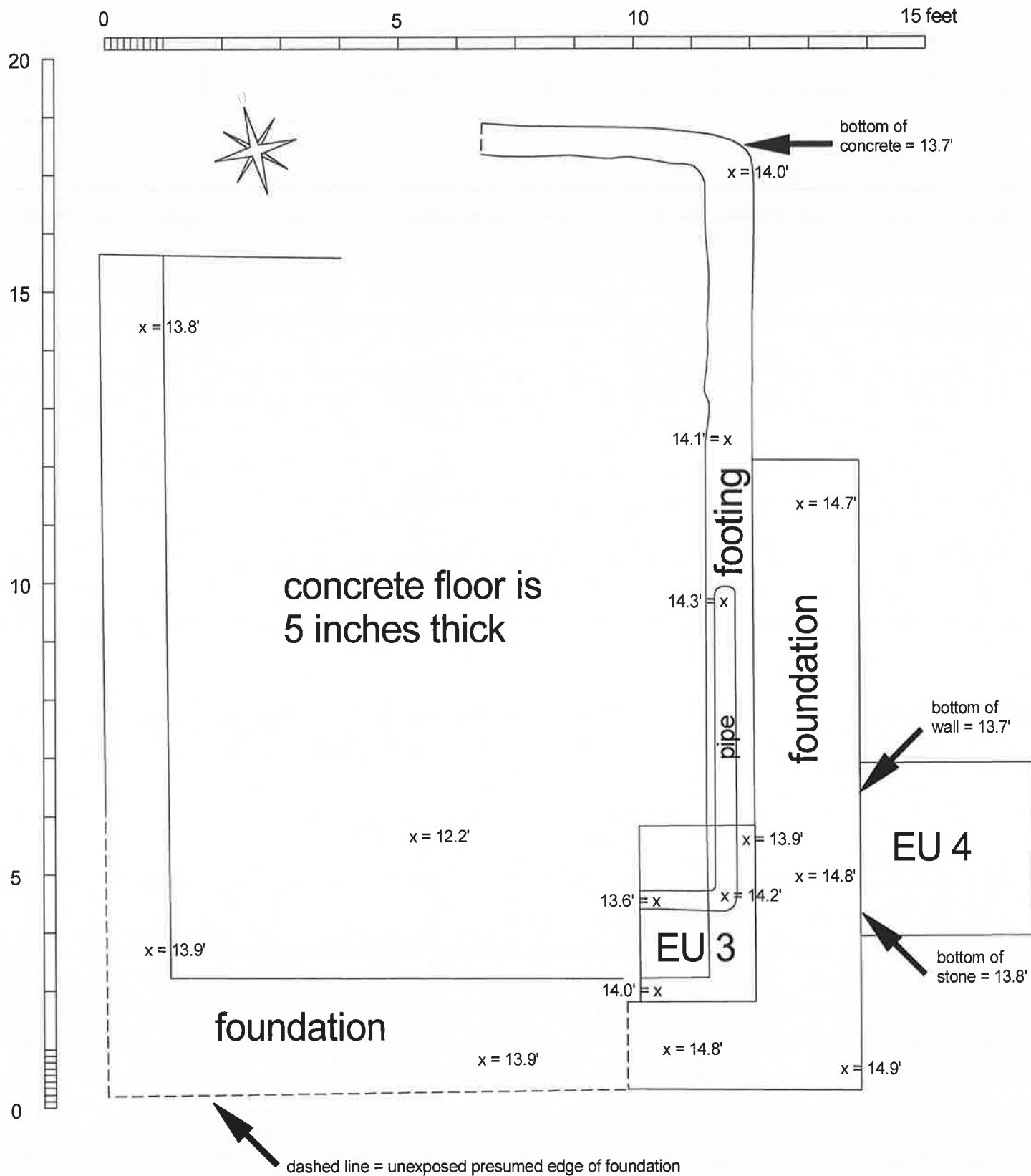


Figure 11 Plan view of Feature 2 also showing the location of archaeological excavation units (Soissons Zone, Tile1).

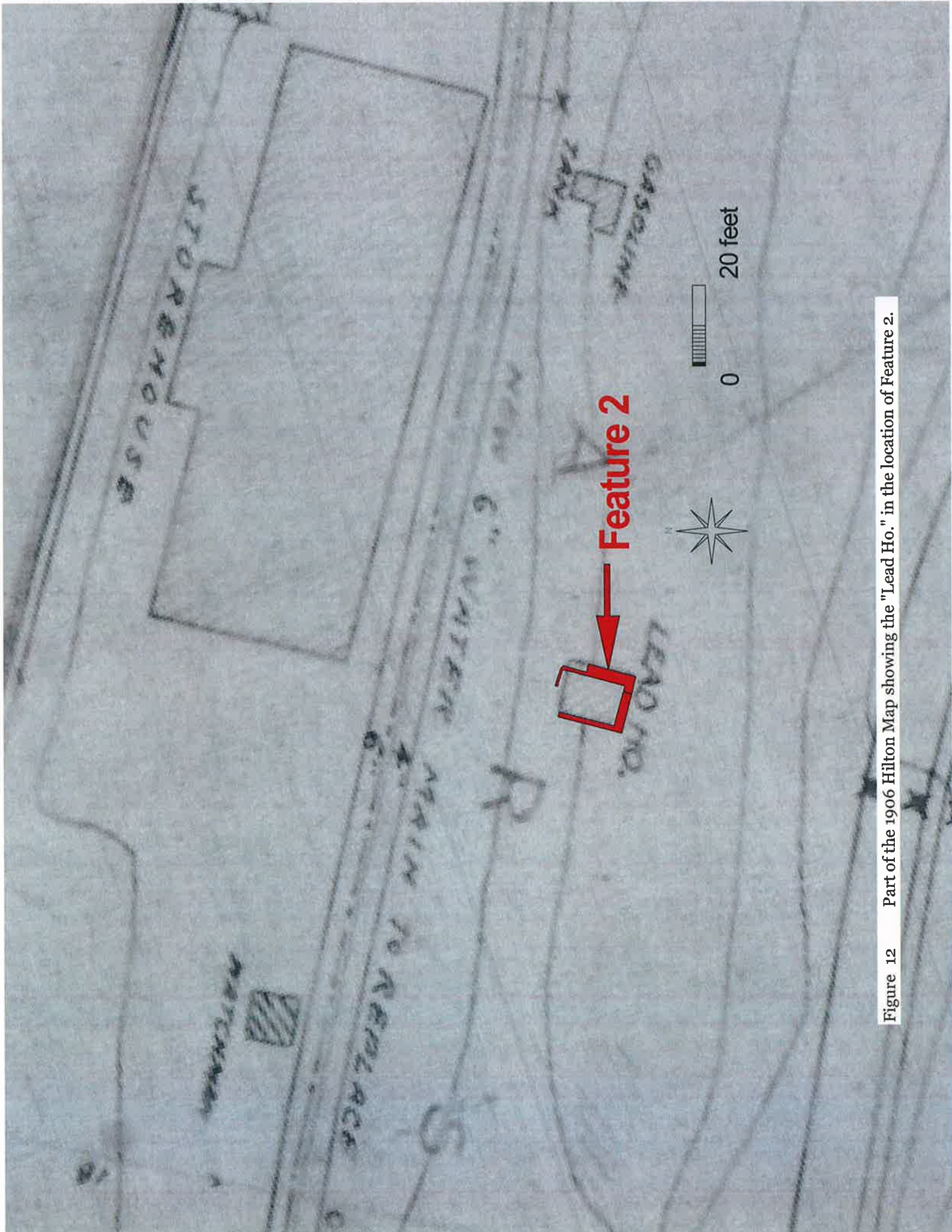


Figure 12 Part of the 1906 Hilton Map showing the "Lead Ho." in the location of Feature 2.

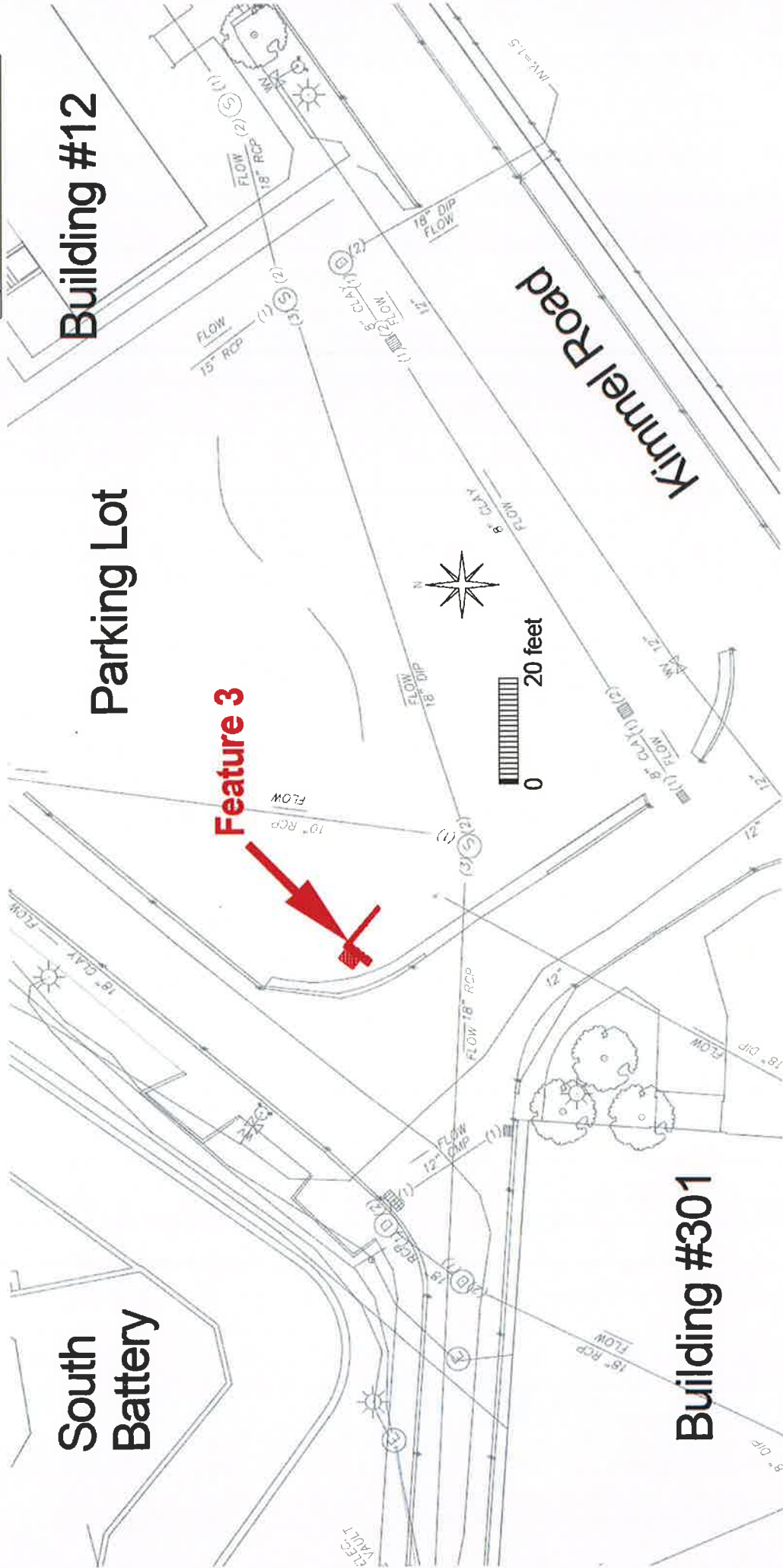


Figure 13 Location of Feature 3 on the 2012 Langan survey also showing the former asphalt parking lot (South Battery Zone, Tile 13).

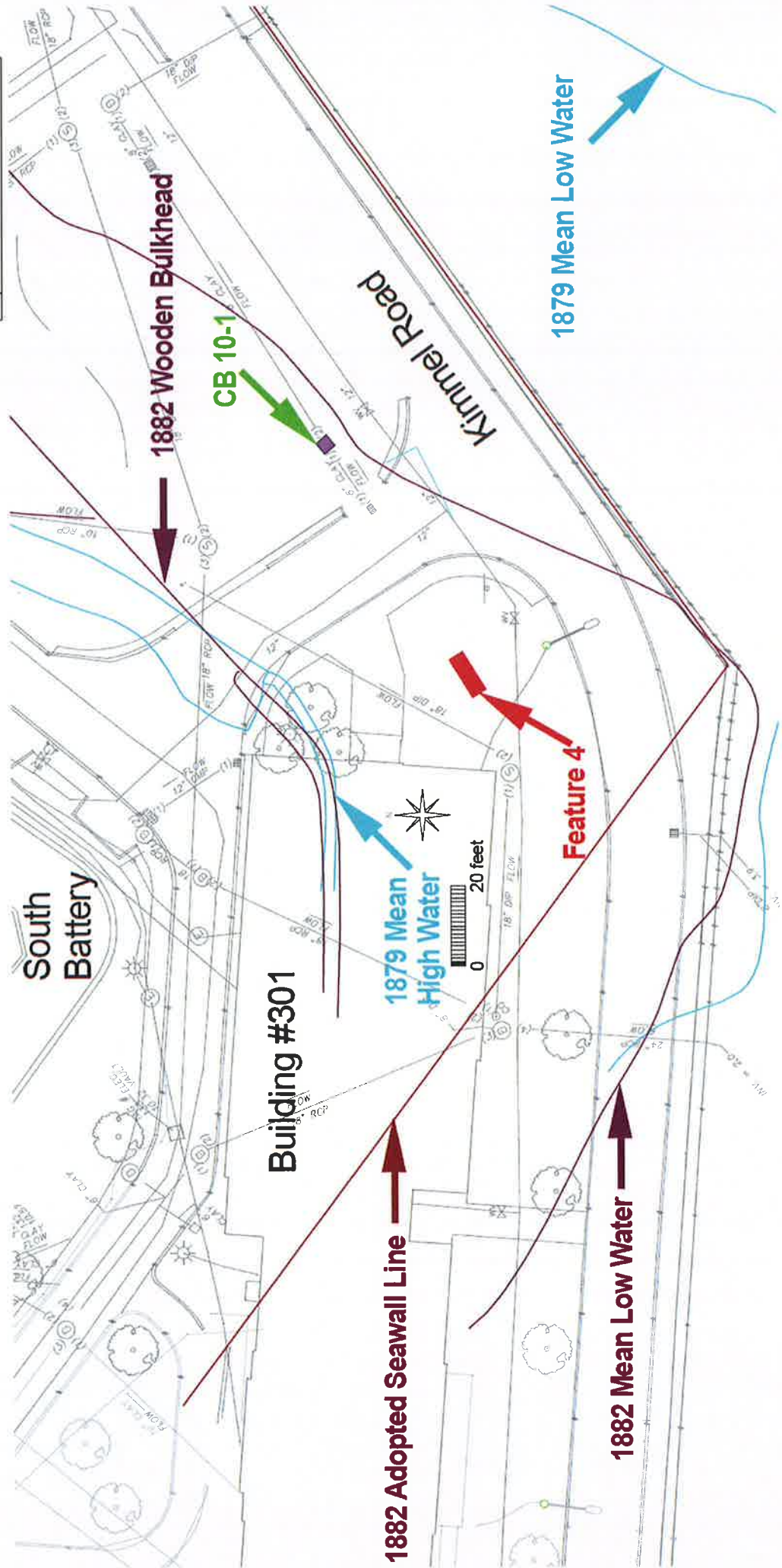
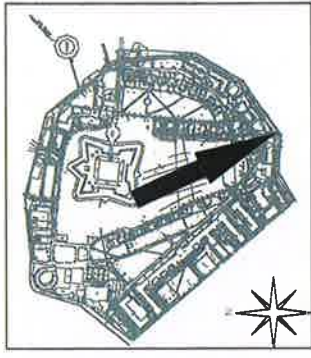


Figure 14 Location of Feature 4 on the 2012 Langan survey also showing the nearby catch basin (CB-10-1) and the 1879 and 1882 shore lines (South Battery Zone, Tile 13).

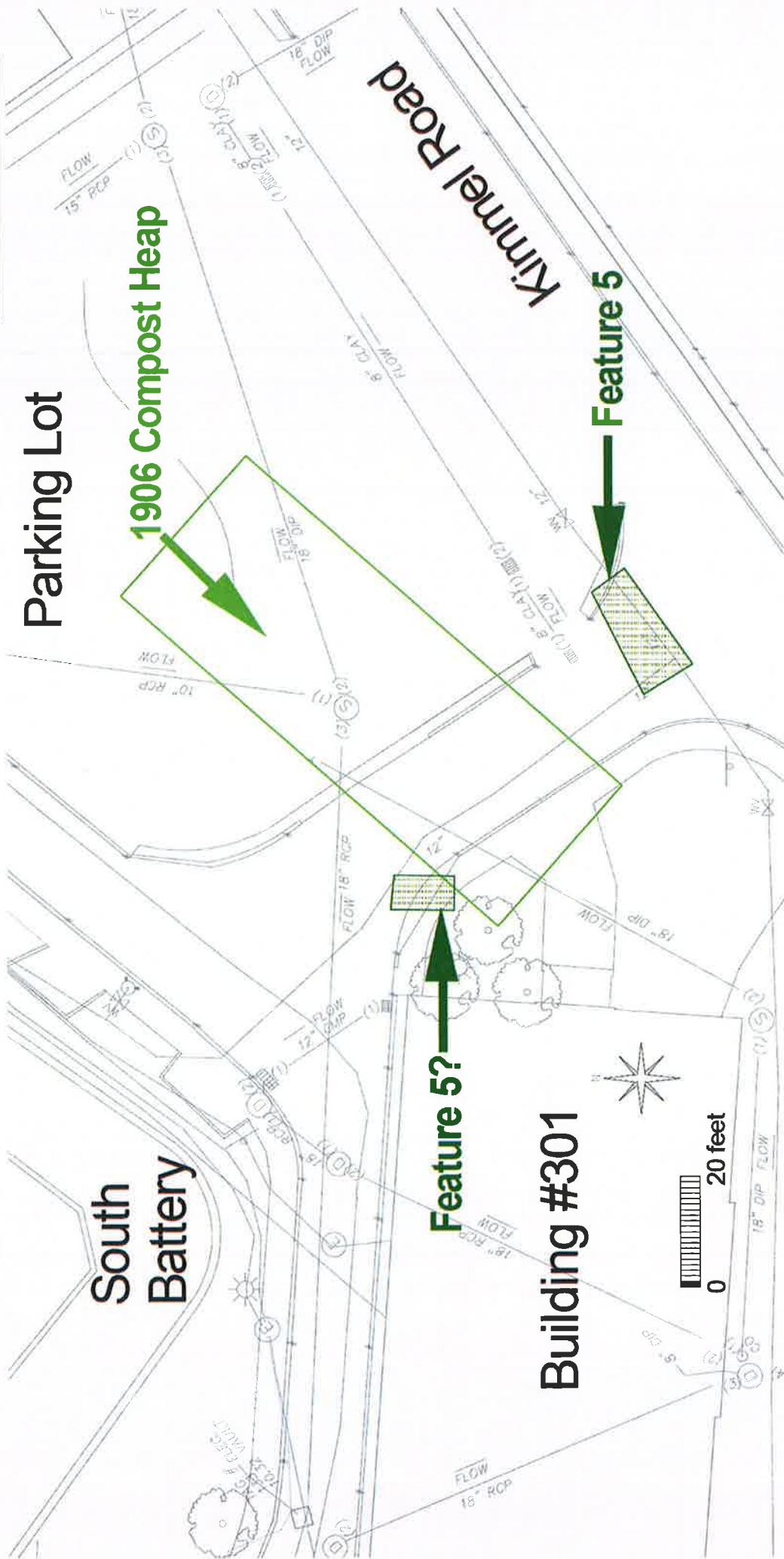
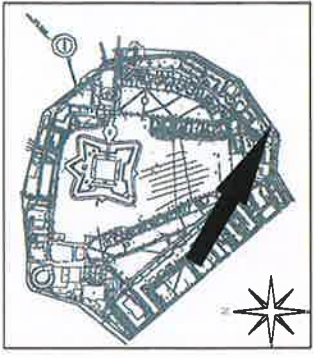


Figure 15 Location of Feature 5 and possible Feature 5 (Feature 5?) on the 2012 Langan survey also showing the 1906 Compost Heap (South Battery Zone, Tile 13).

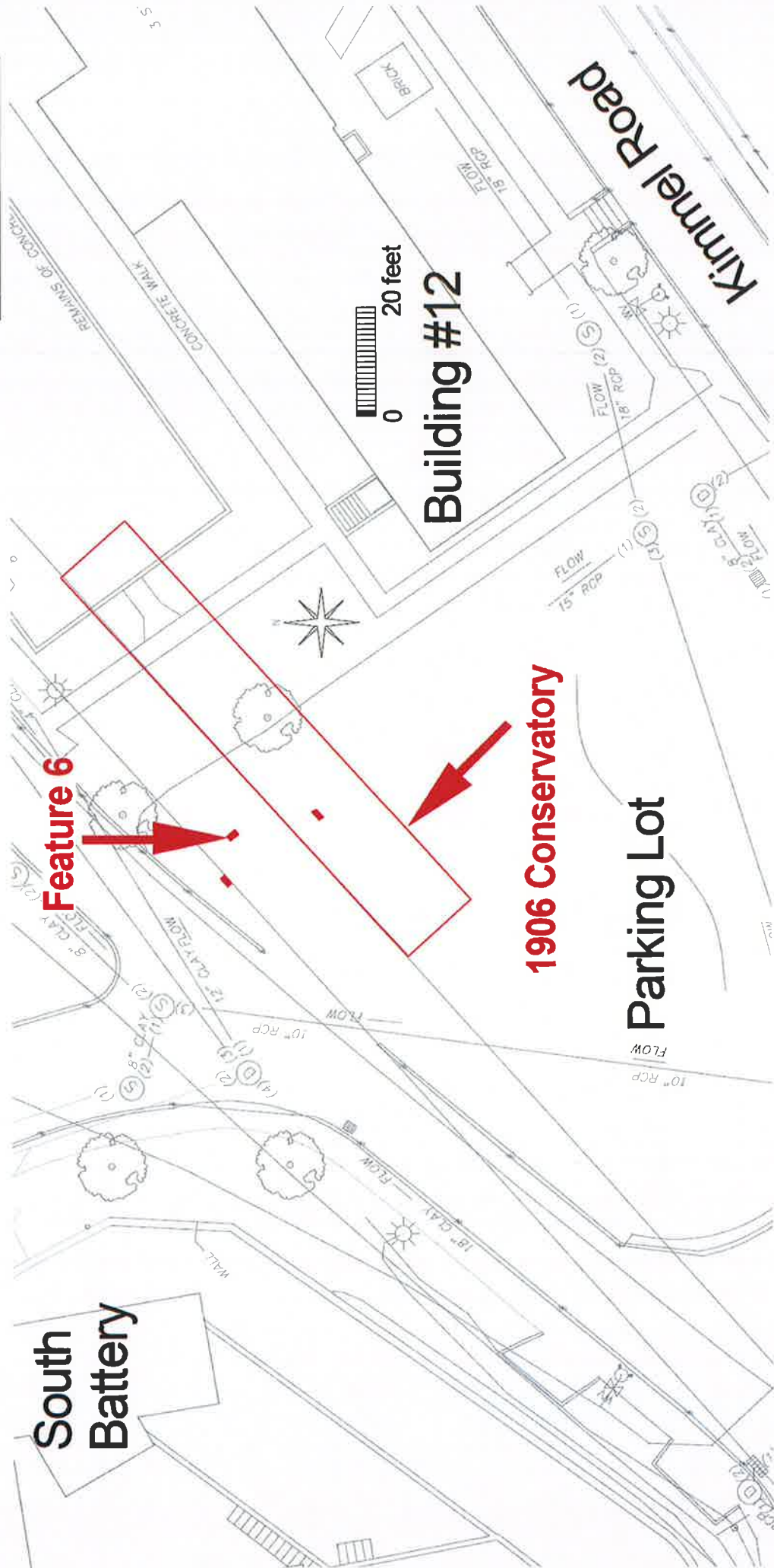


Figure 16 Location of Feature 6 on the 2012 Langan survey also showing the 1906 Conservatory (South Battery Zone, Tile 13).

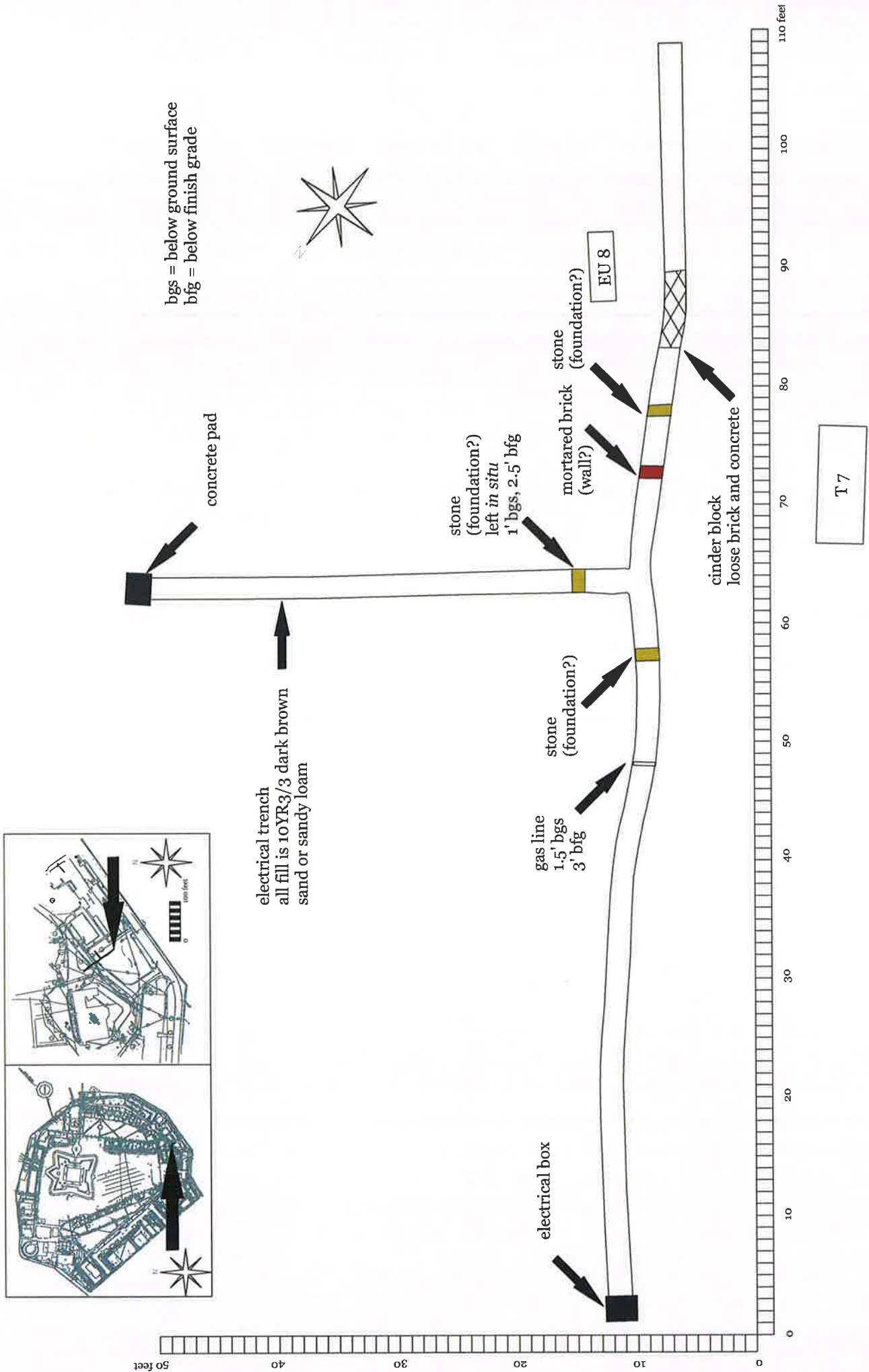


Figure 17 Plan view of electrical trench in the area of Excavation Unit 8 (EU 8) and Test Trench 7 (T 7) (South Battery Zone, Tile 13).

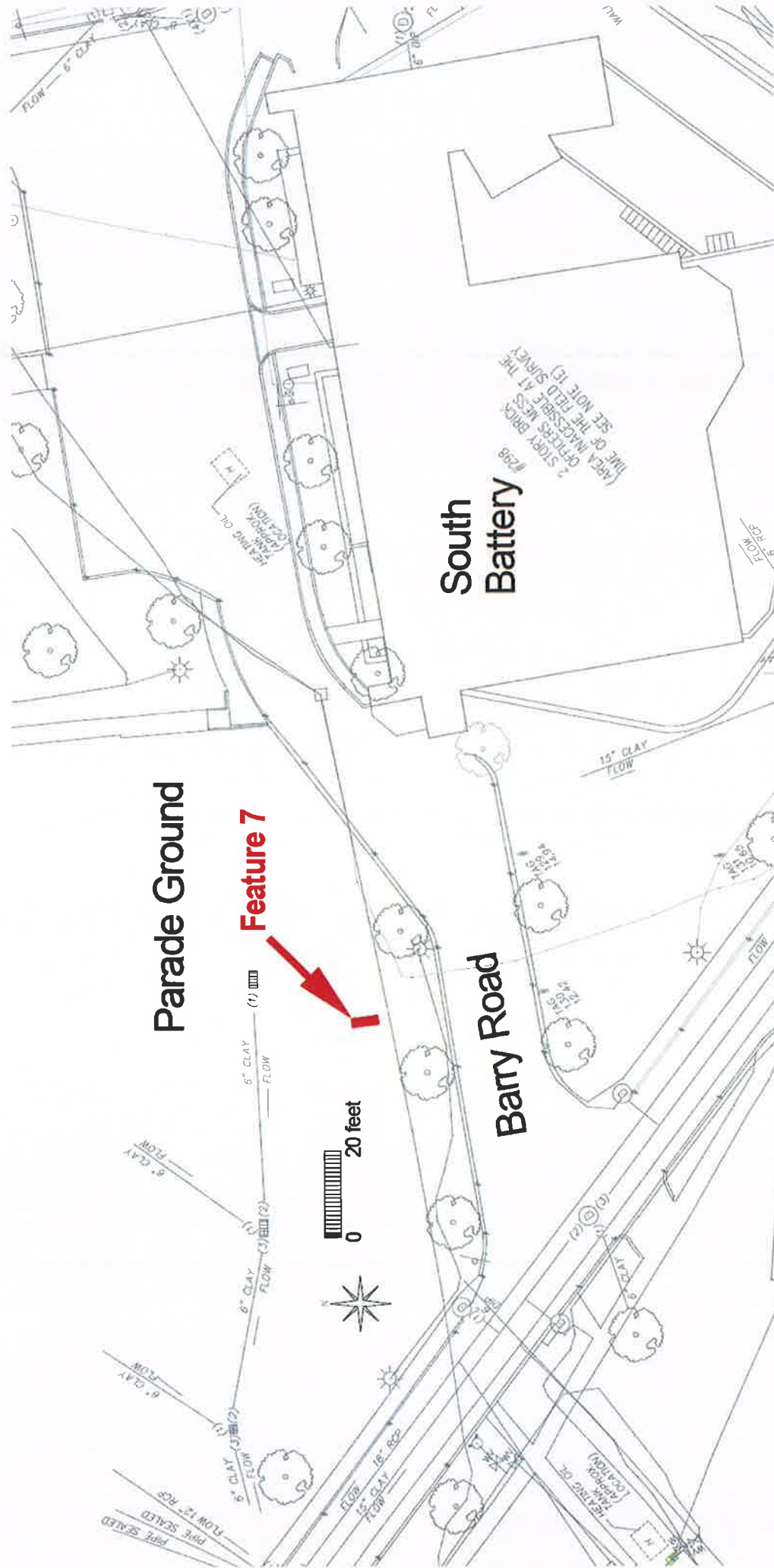
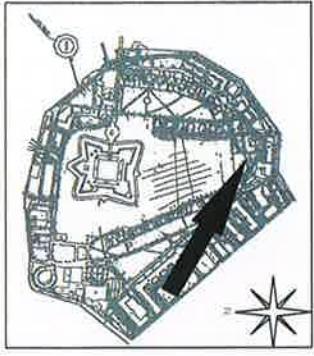


Figure 18 Location of Feature 7 on the 2012 Langan survey (South Battery Zone, Tile 13).

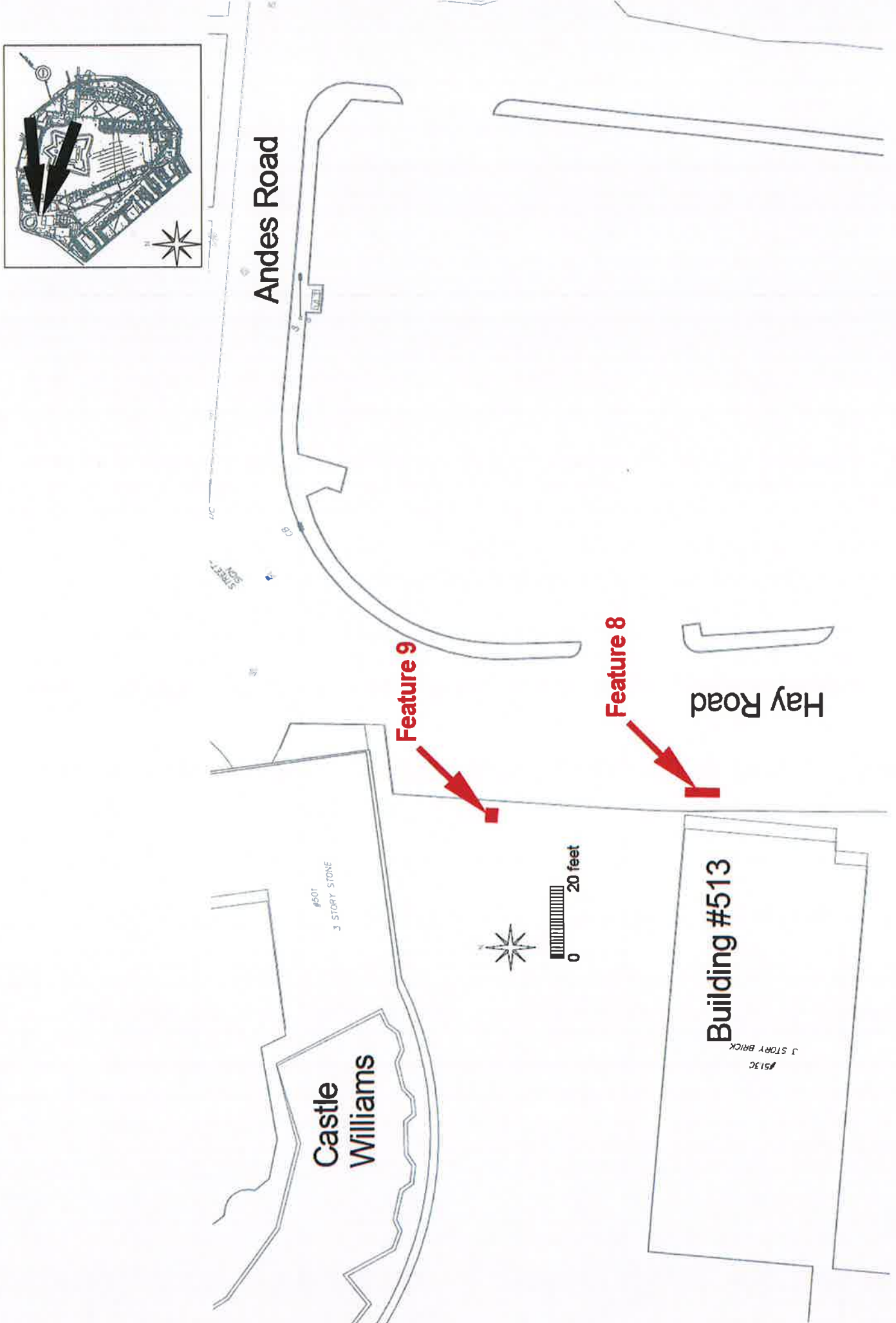


Figure 19 Location of Features 8 and 9 on the 2012 Langan survey (No assigned zone, Tile 9).

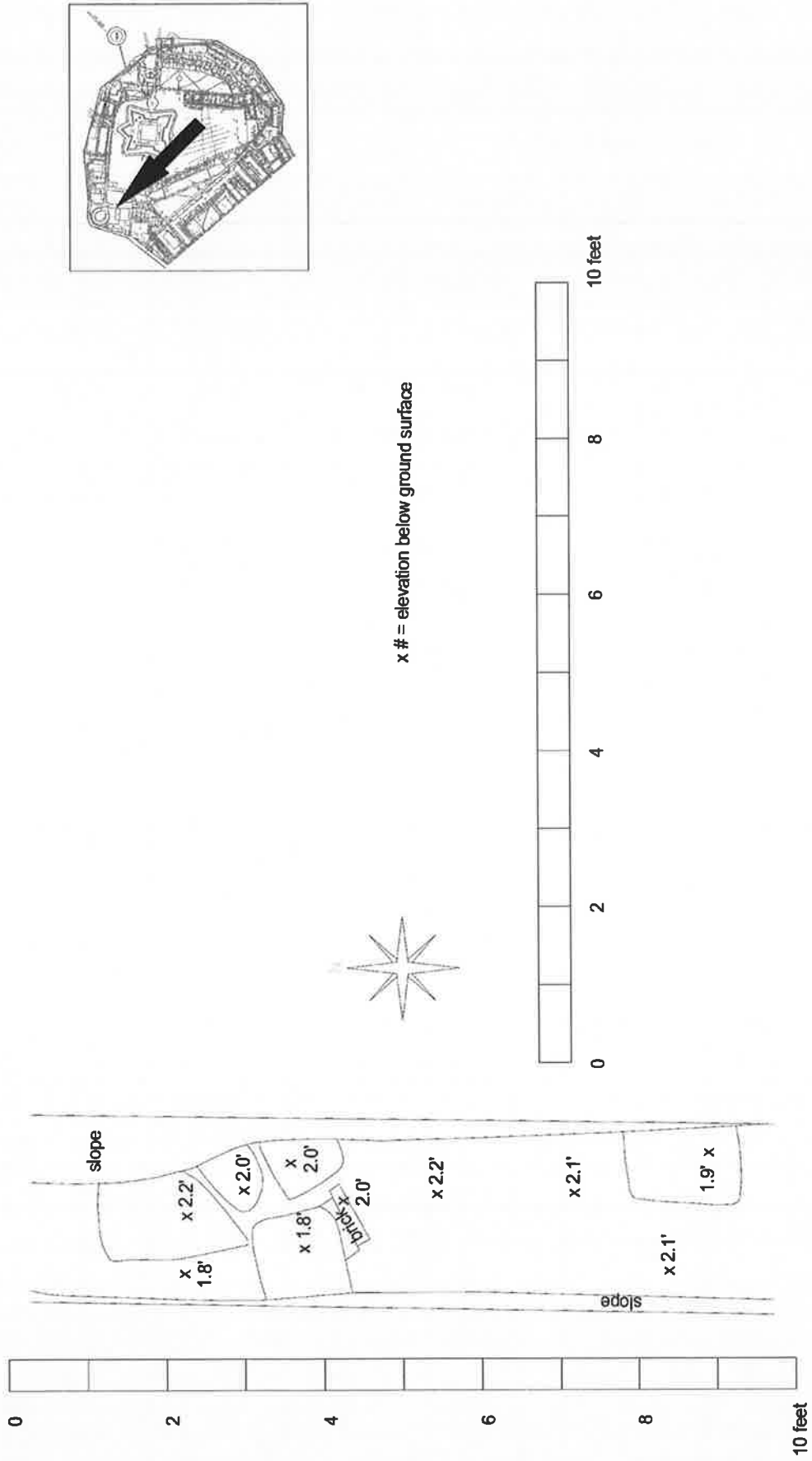


Figure 20 Plan view of Feature 8, part of two stone foundation walls, found in the base of excavation for electrical main trench.

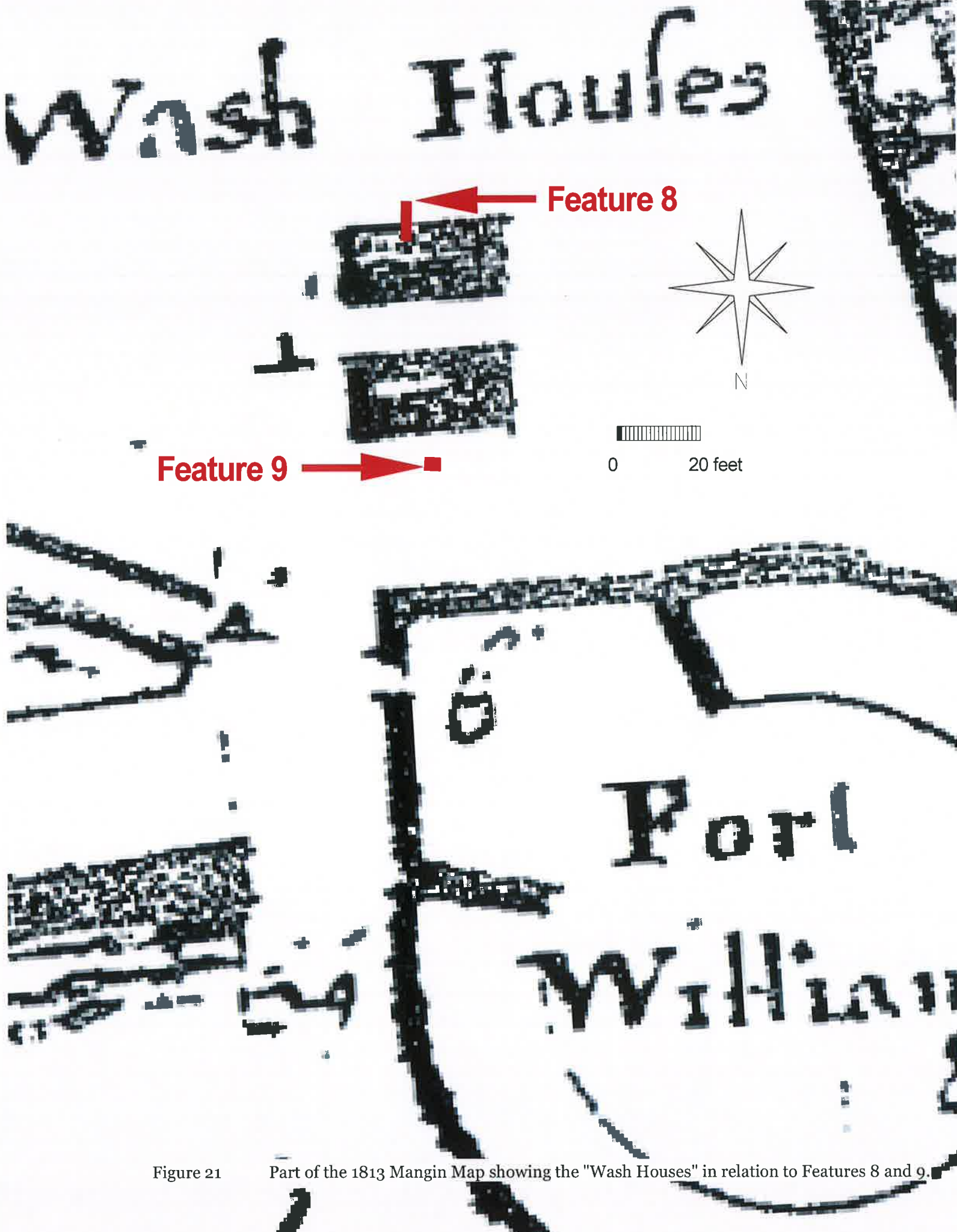


Figure 21 Part of the 1813 Mangin Map showing the "Wash Houses" in relation to Features 8 and 9.

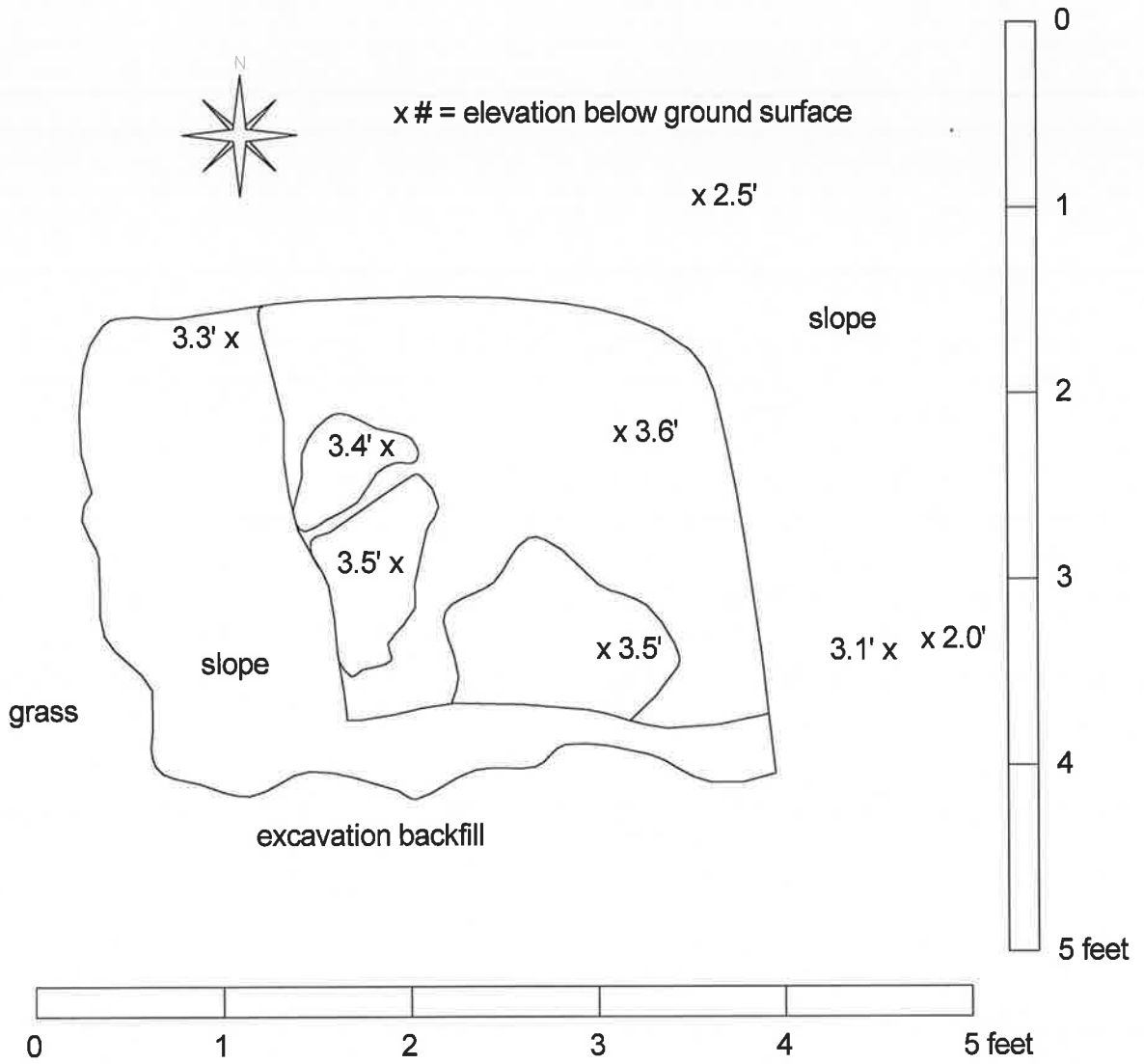


Figure 22 Plan view of stone feature in TA.204 excavation showing three stones identified in the base of excavation.

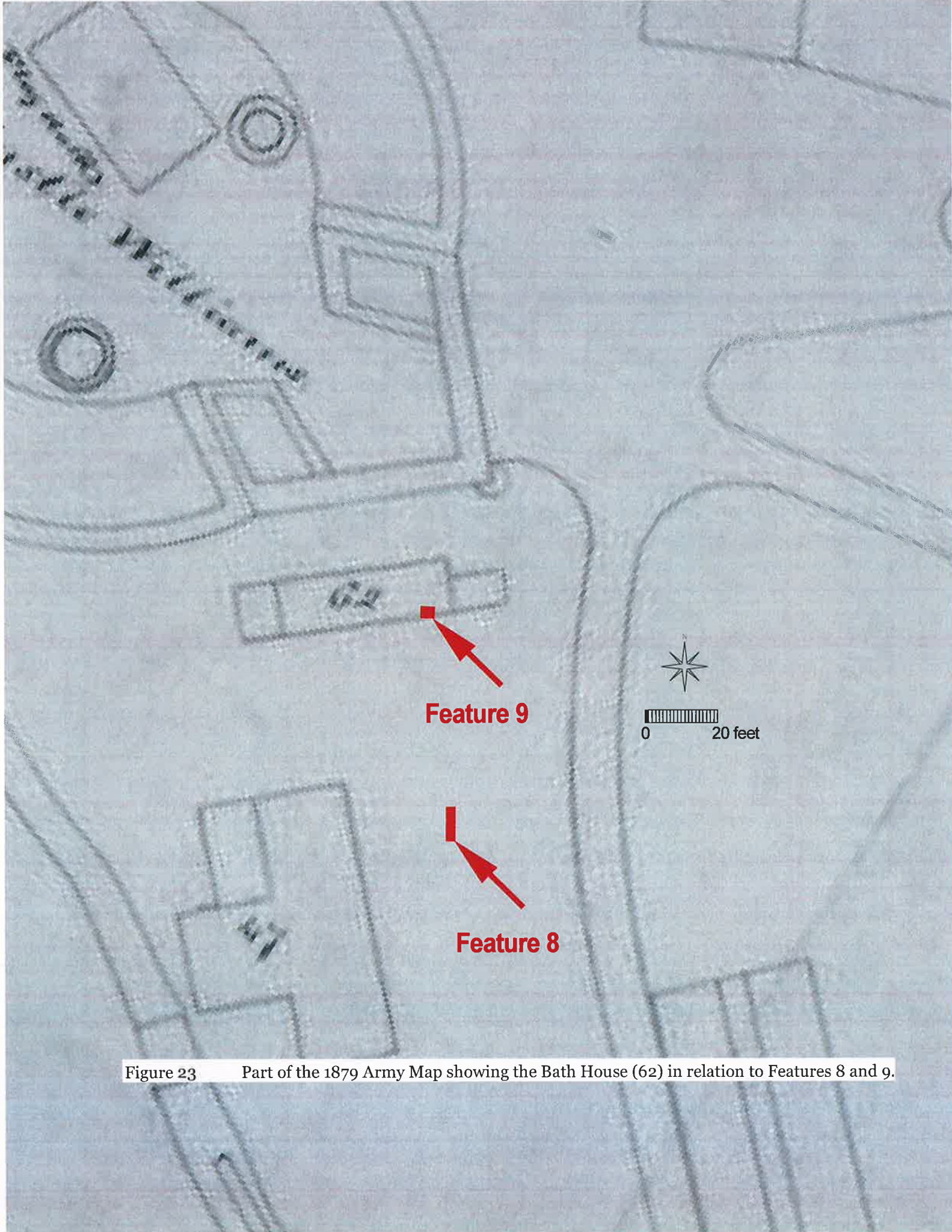


Figure 23 Part of the 1879 Army Map showing the Bath House (62) in relation to Features 8 and 9.

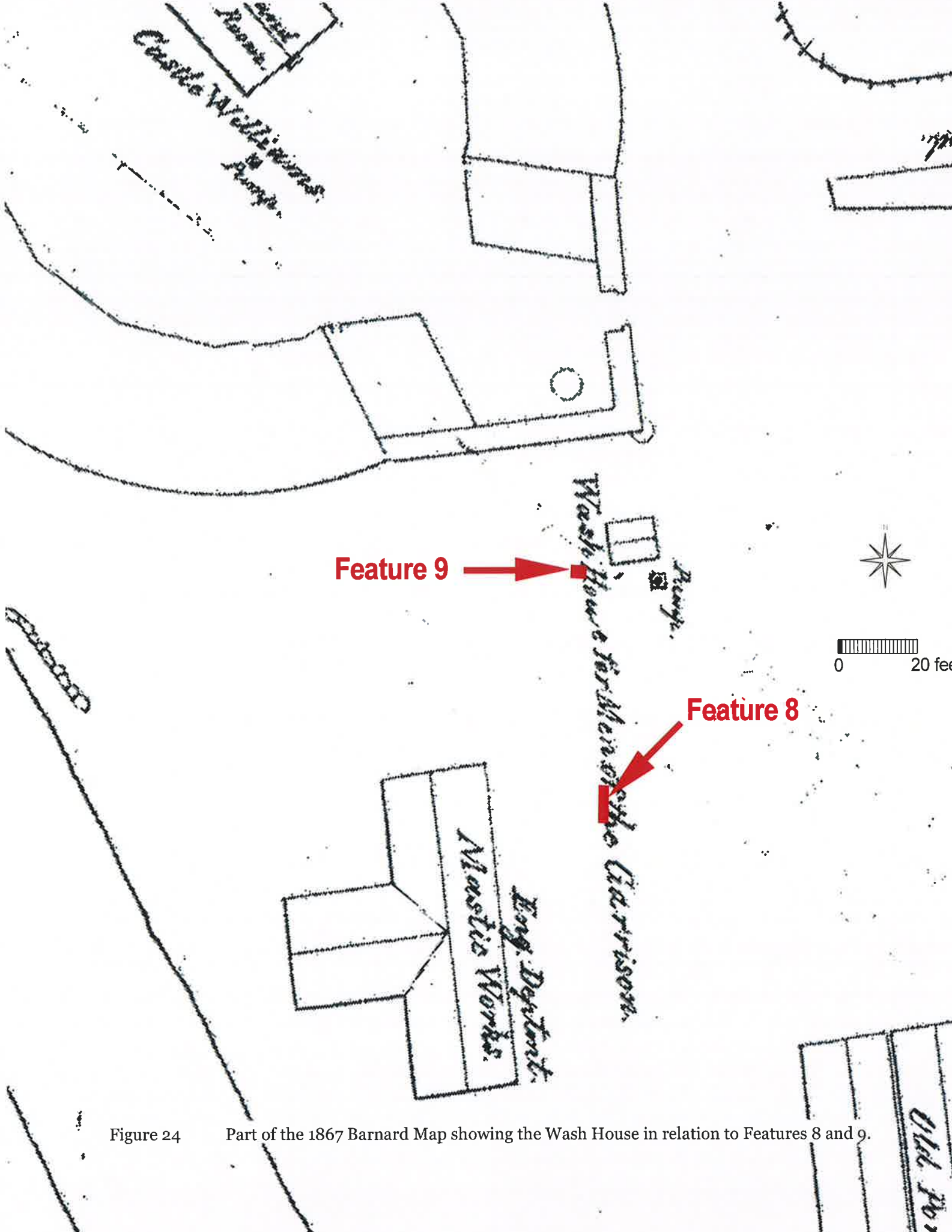
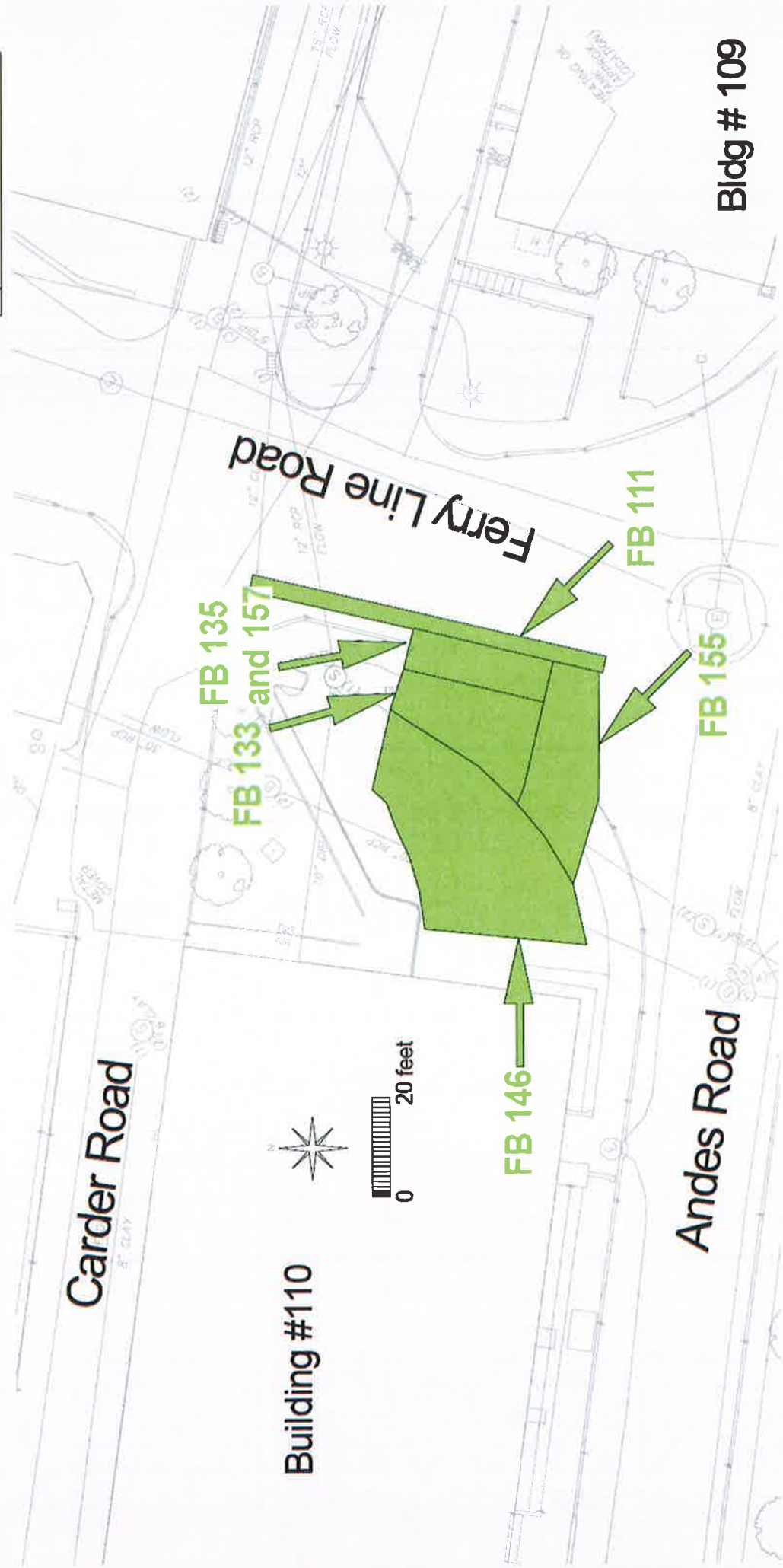
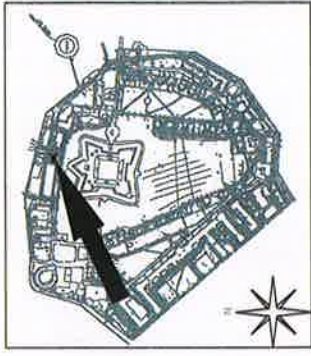


Figure 24 Part of the 1867 Barnard Map showing the Wash House in relation to Features 8 and 9.



Bldg # 109

Figure 25 Location of glass artifact concentration and possibly related contexts shown on the 2012 Langan survey (Soissons Zone, Tile 1).

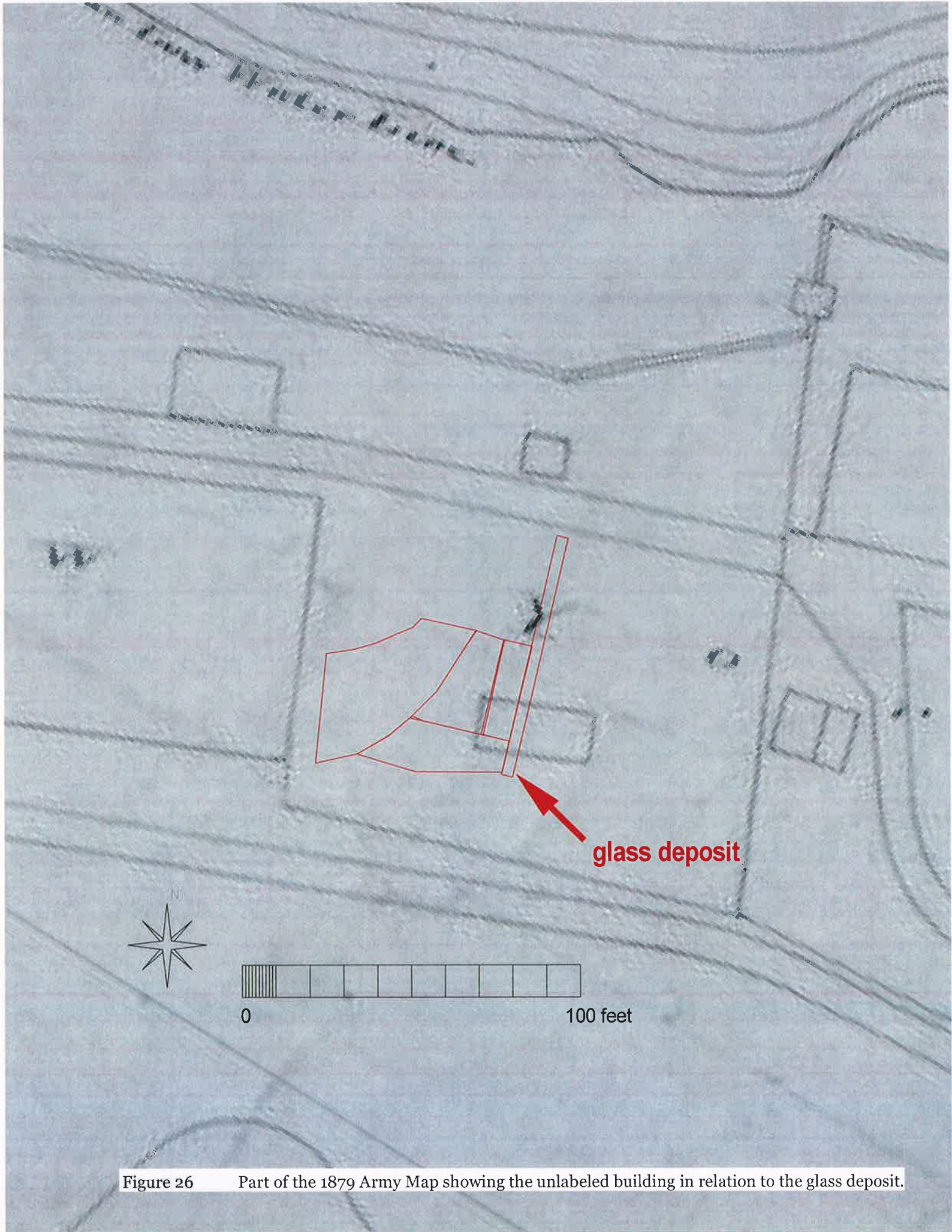


Figure 26 Part of the 1879 Army Map showing the unlabeled building in relation to the glass deposit.

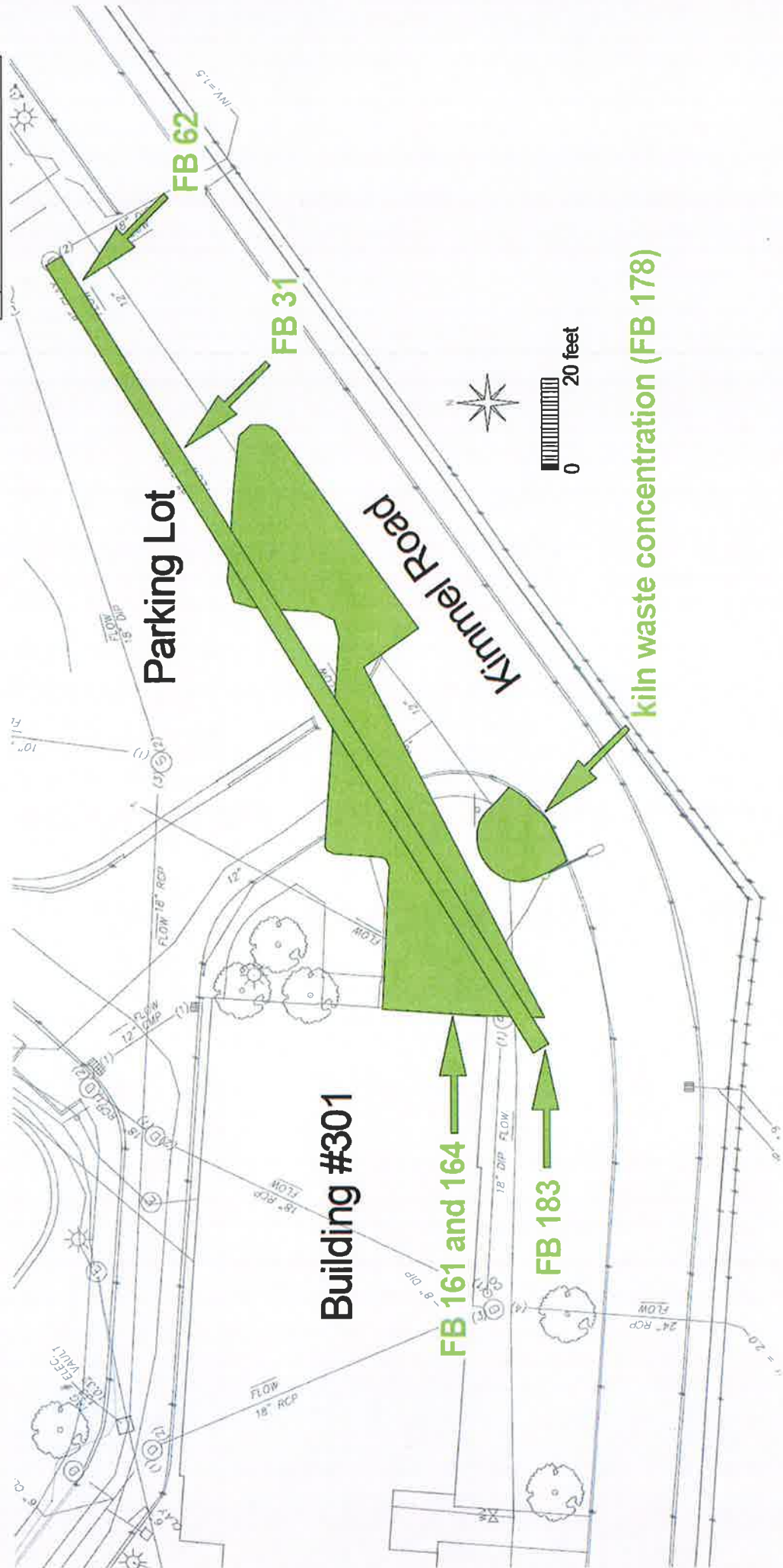
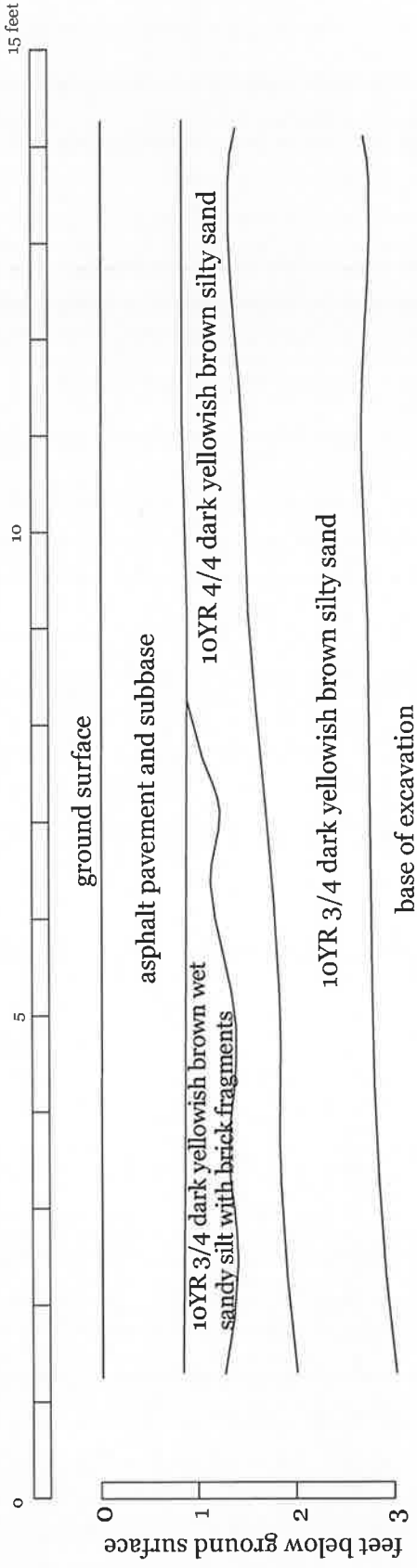


Figure 27

Location of ceramic production artifact concentration and possibly related contexts shown on the 2012 Langan survey (South Battery Zone, Tile 13).

SOUTH PROFILES Segment 2 - Eastern Segment



Segment 4 - Western Segment

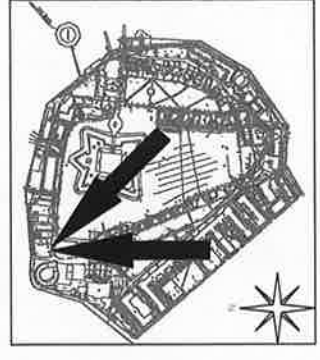
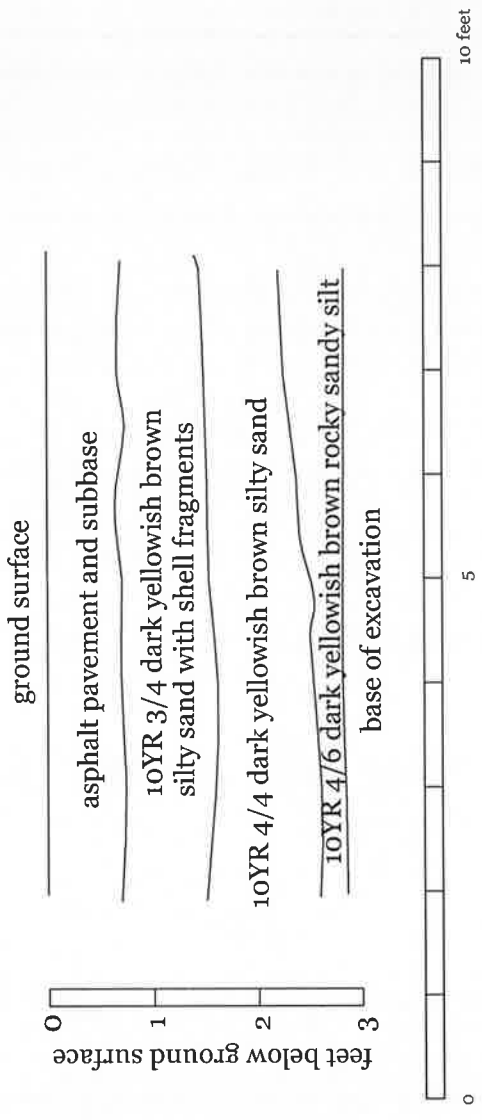


Figure 28 Profiles from excavation of Trench 10 through the Andes Road site (Soissons Zone, Tiles 4 and 9).

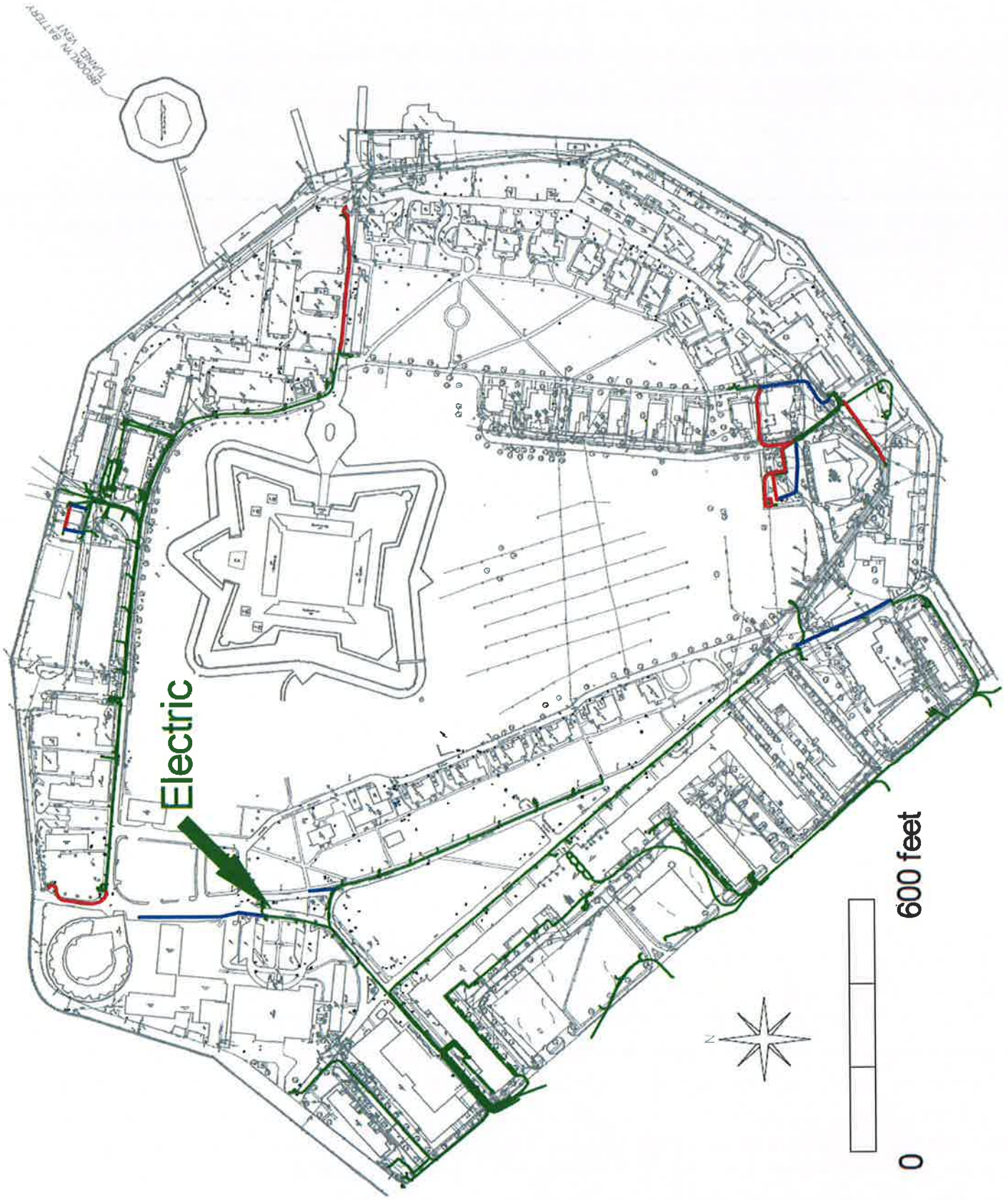


Figure 29 Overview of the electrical lines from the Governors Island Park and Public Space Project: Phase 1 final conformed set of construction drawings with red highlighting deletions and blue locations of additions to these plans.

NORTH PROFILE

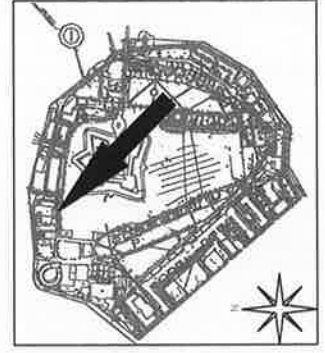
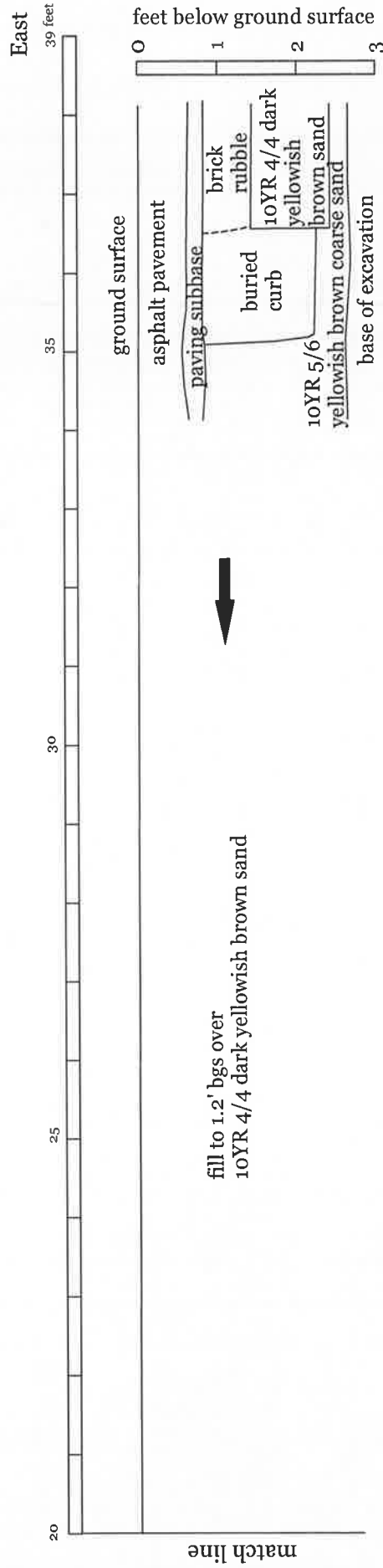
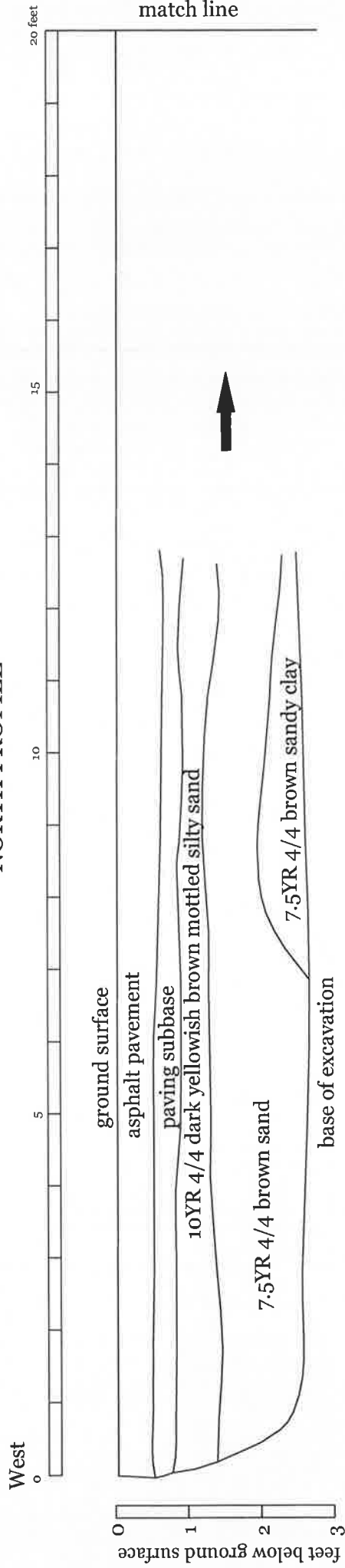


Figure 30 Representative profiles from the Andes Road electrical trench monitoring (Soissons Zone, Tile 5).

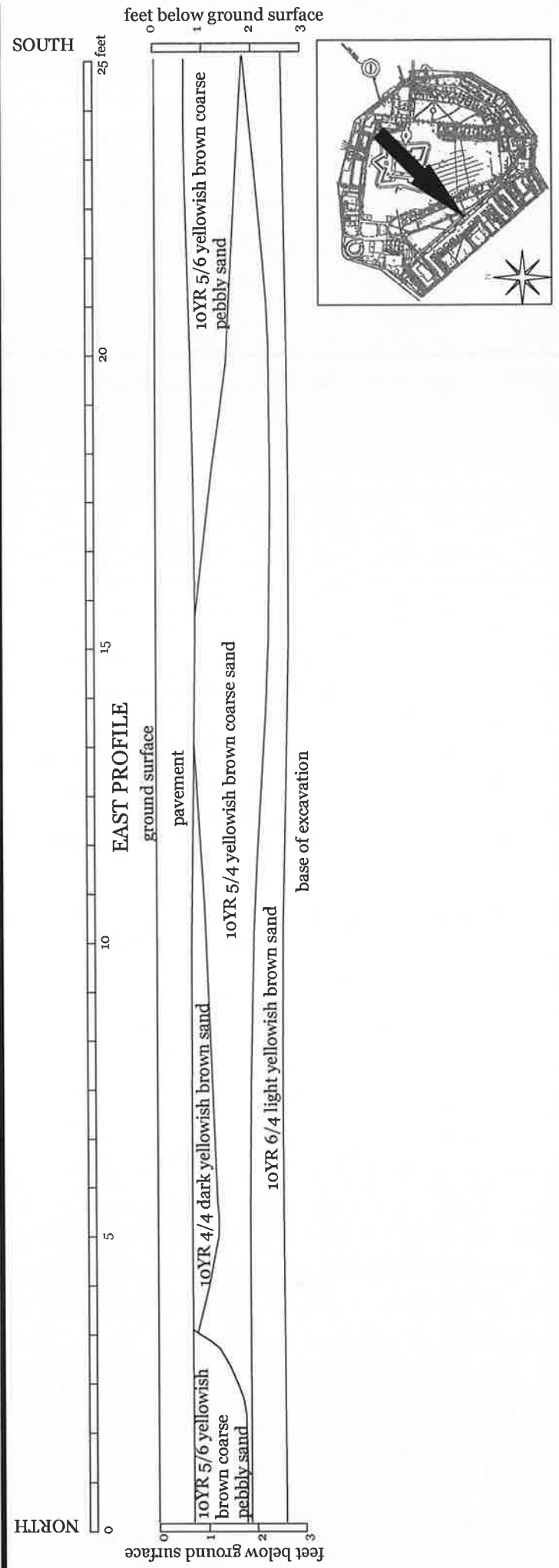
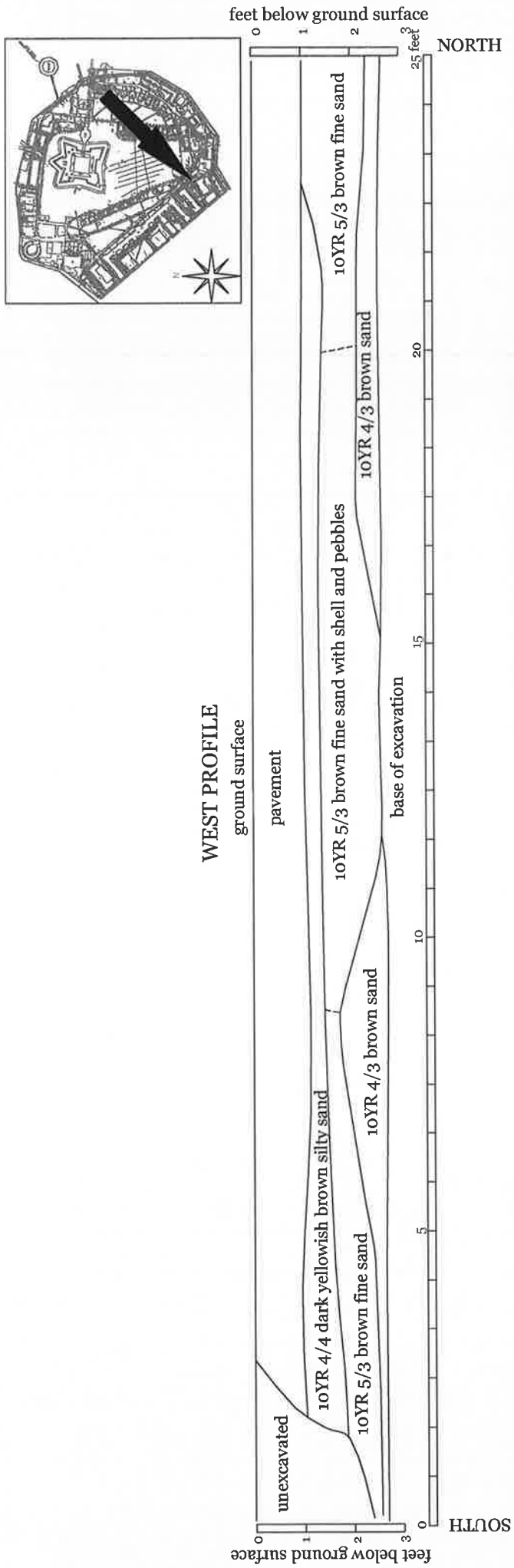


Figure 31 Representative profiles from the Clayton Road electrical trench monitoring (Colonel's Row Zone, Tile 11).

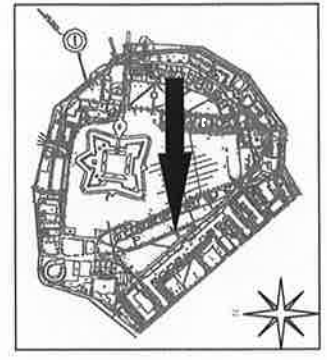
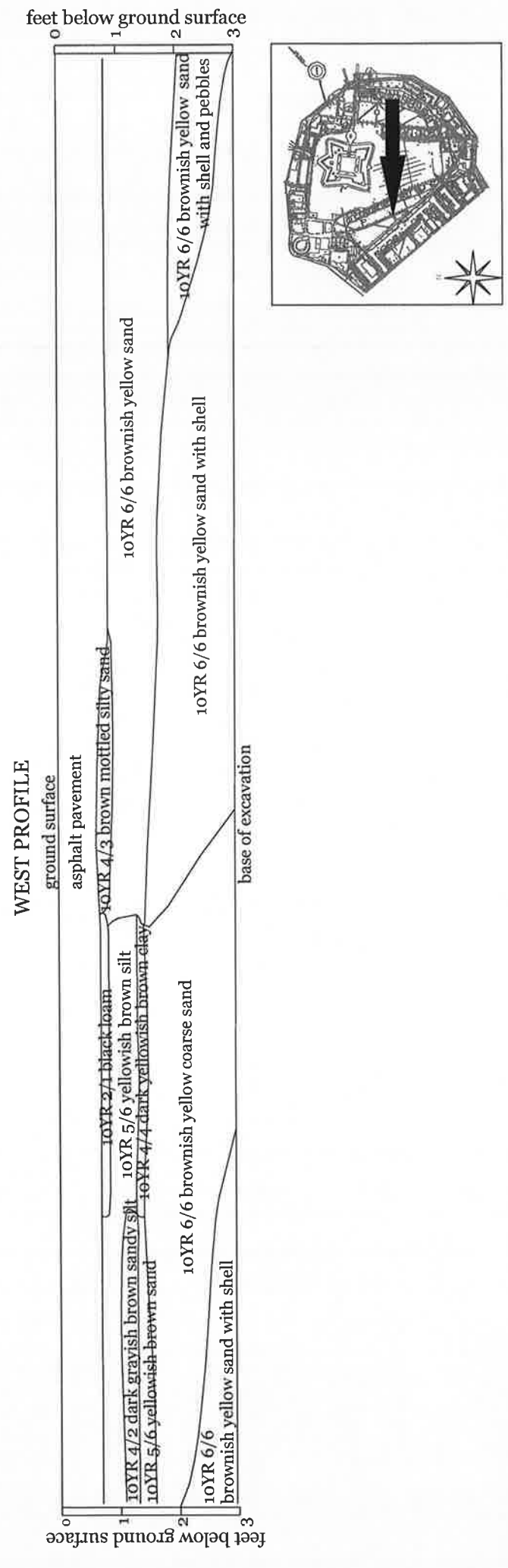
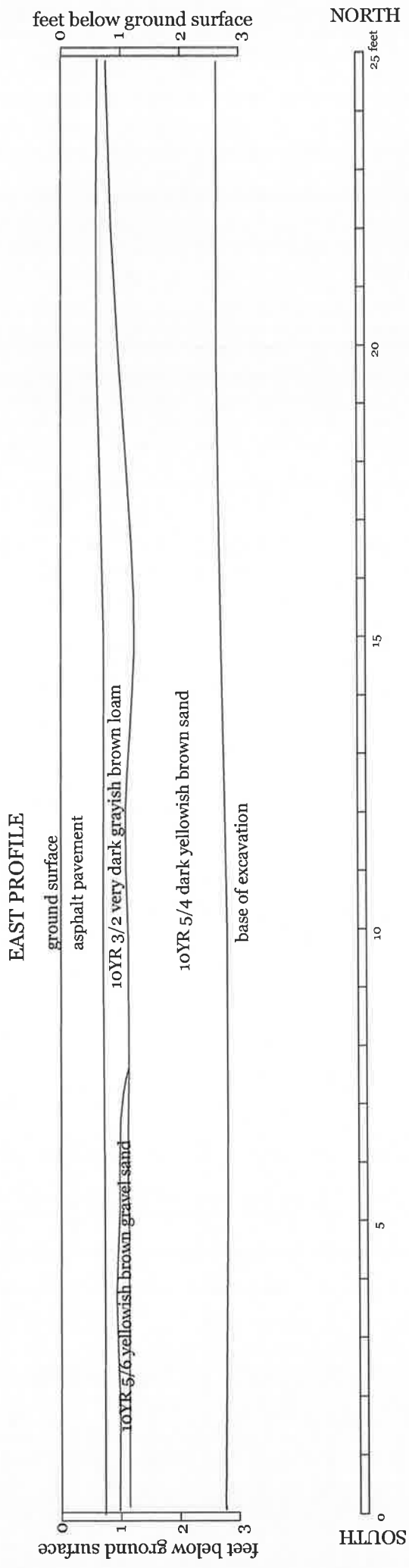


Figure 32 Representative profiles from the Hay Road electrical trench monitoring (Colonel's Row Zone, Tile 11).

Scope of work 1:
Demolition of Light Poles

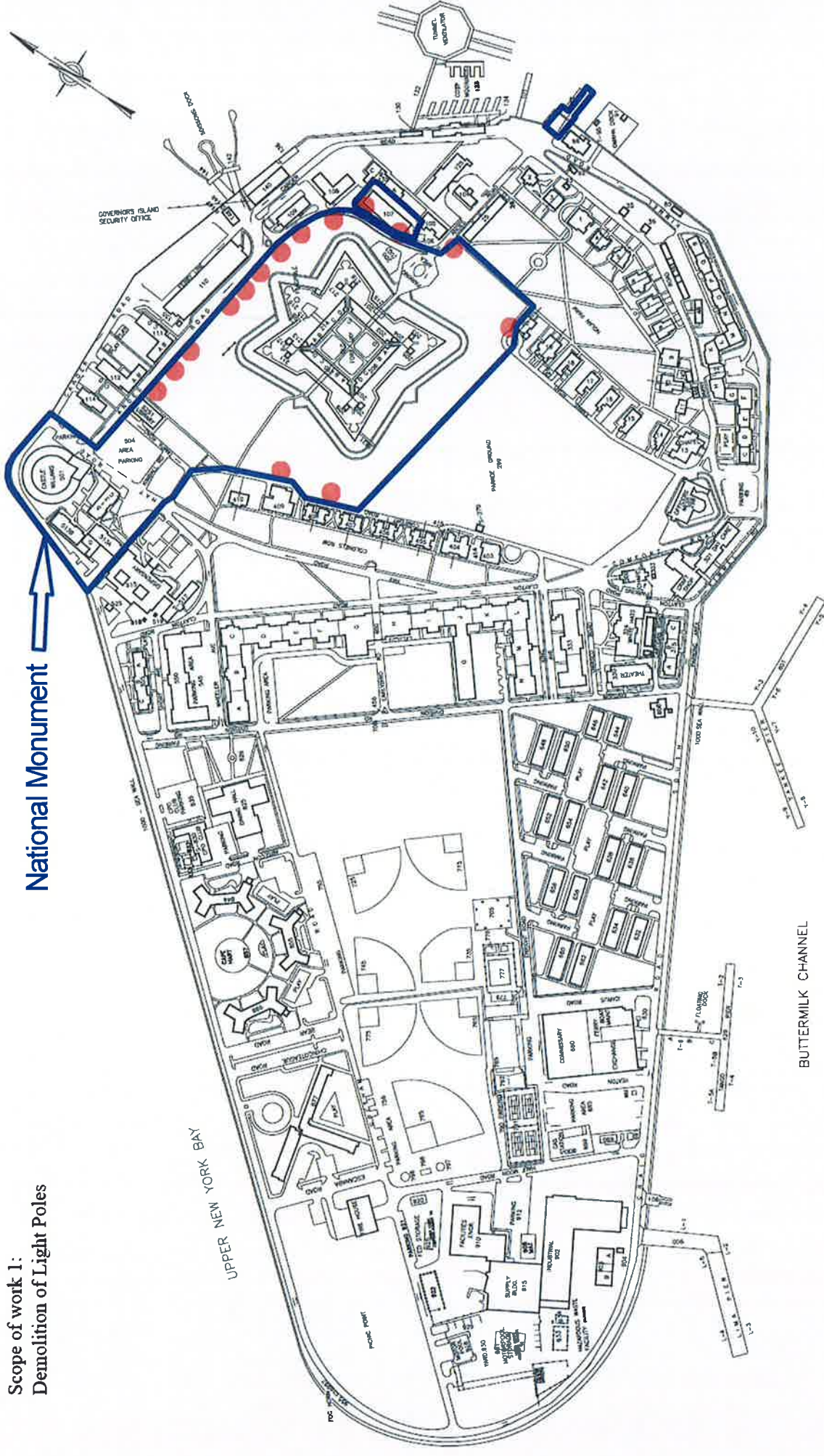


Figure 33 Approximate location of 15 light pole demolitions within the Governors Island National Monument.

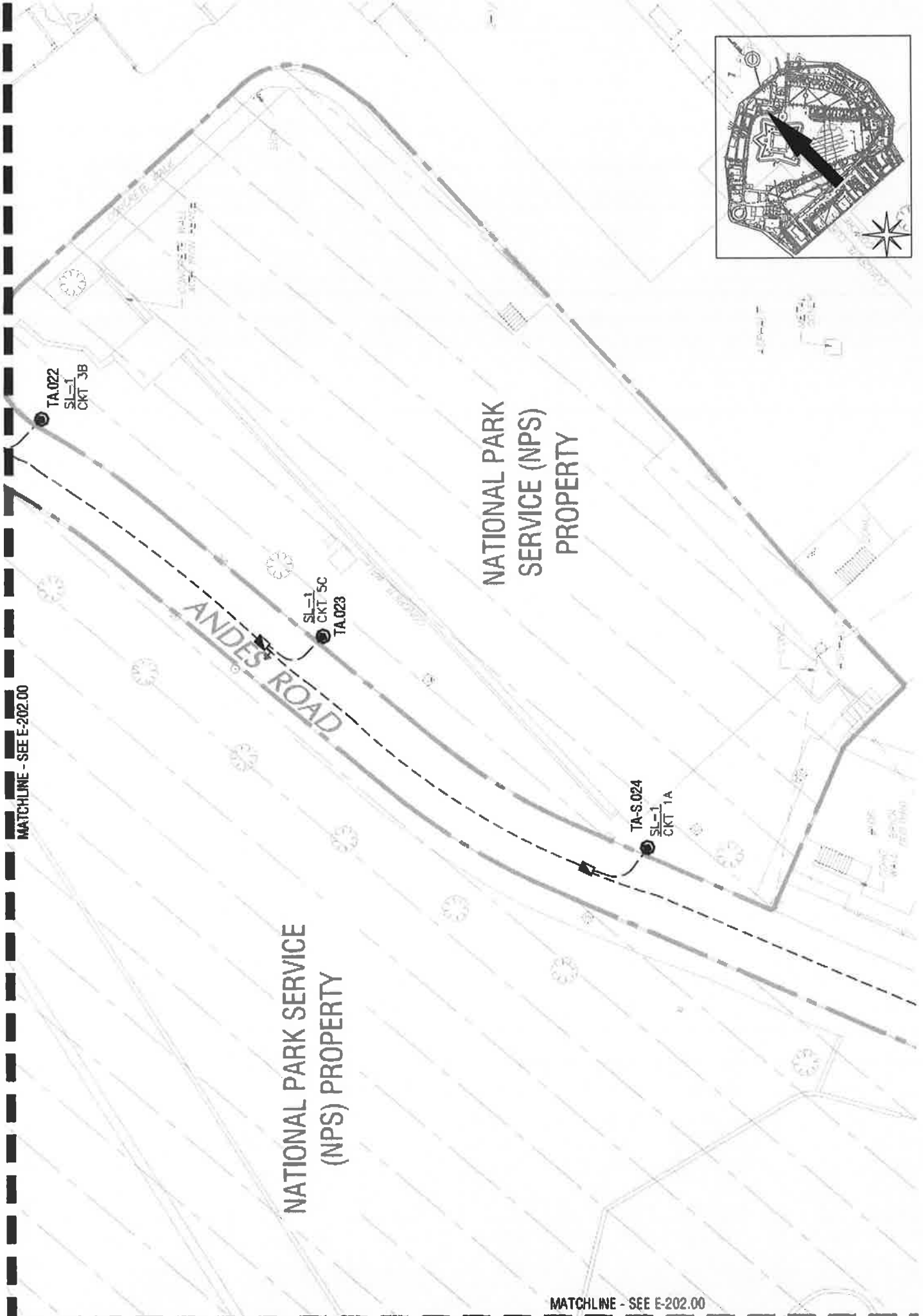


Figure 34 Location of light post monitoring on National Park Service property at Building #107 (Soissons Zone, Tile 2).

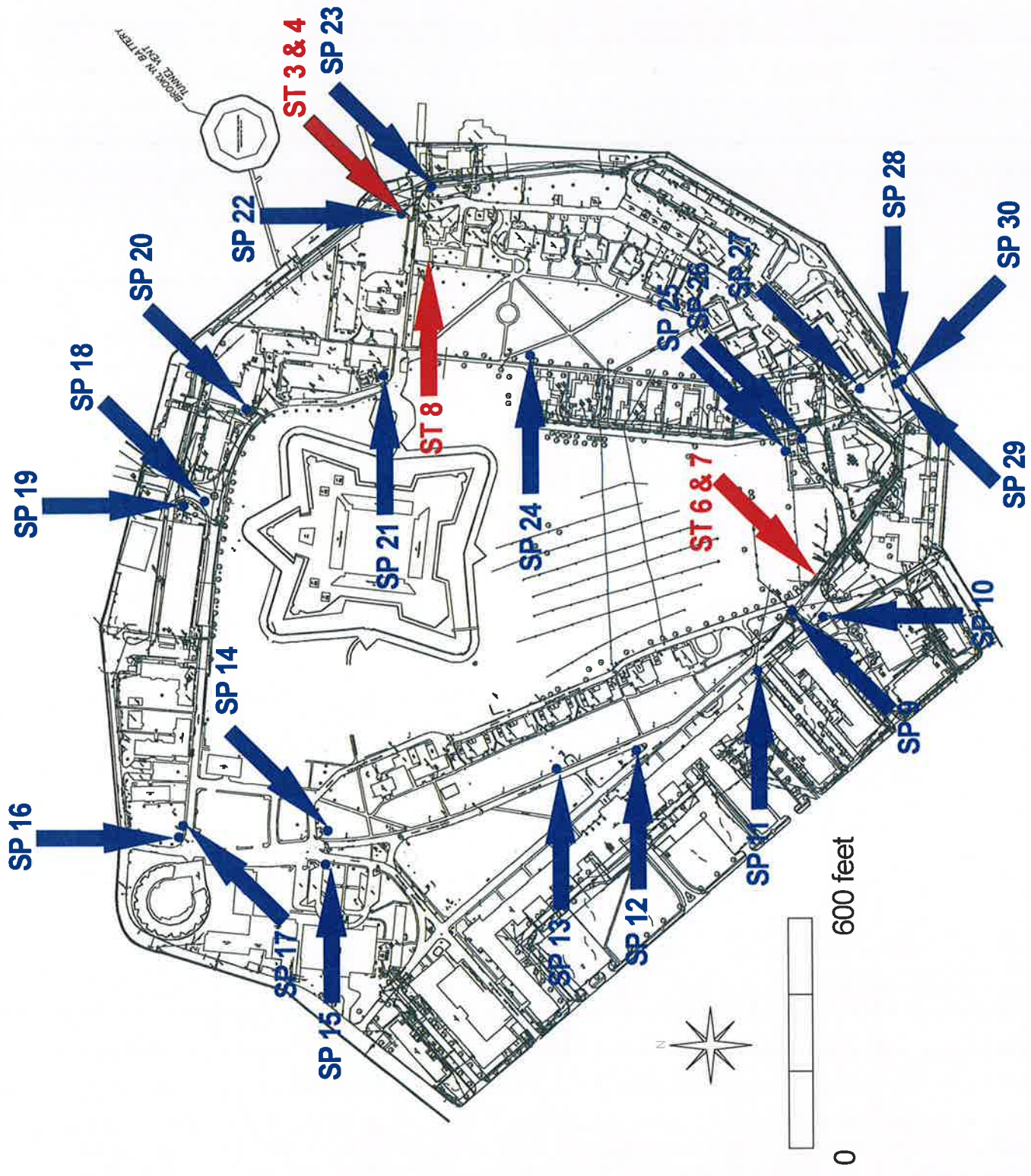


Figure 35 Location of sign post excavations for the Governors Island Park and Public Space Project: Phase 1; shovel tests (ST#) and sign post holes (SP#).

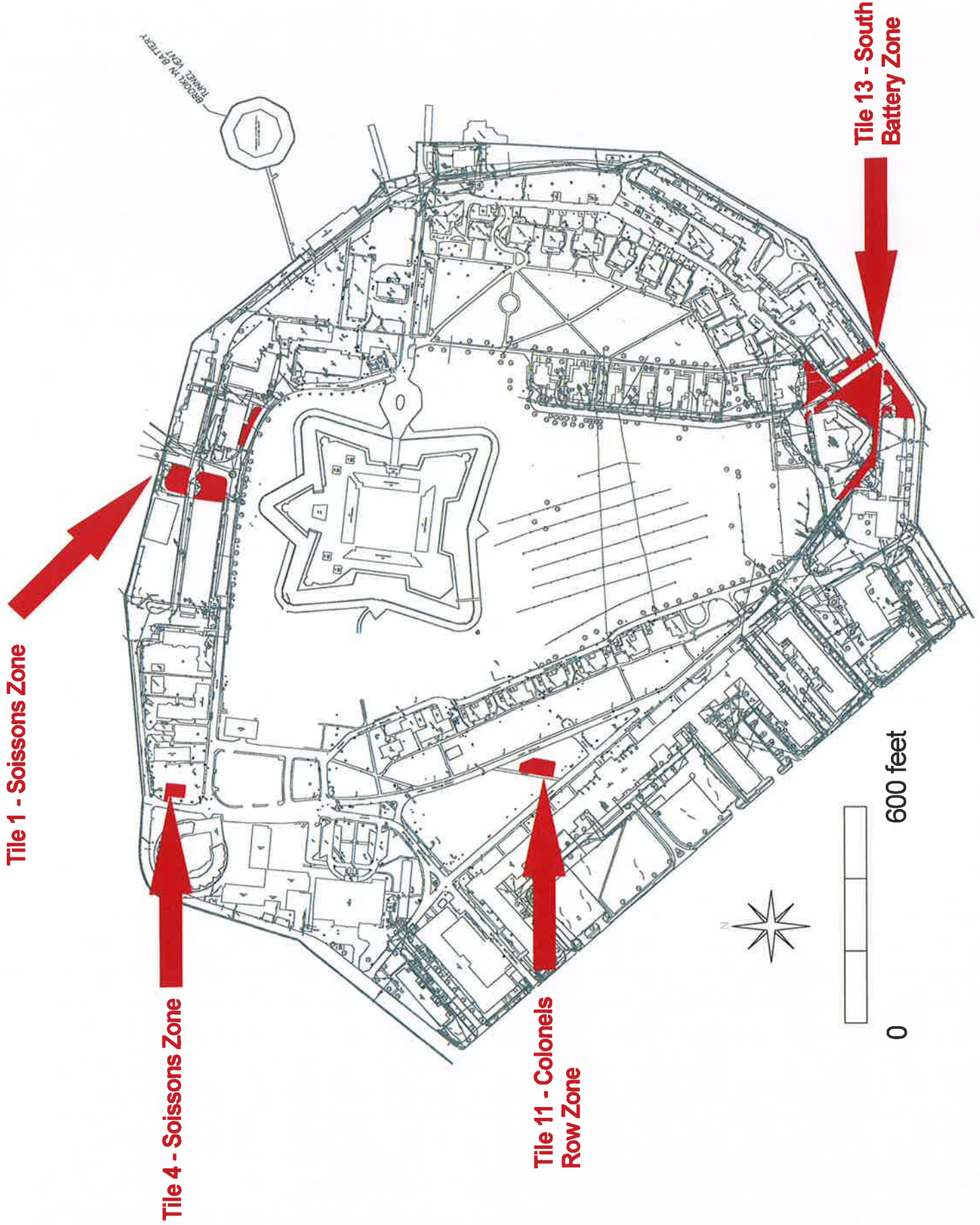


Figure 36 Location of grading excavations conducted for the Governors Island Park and Public Space Project: Phase 1.

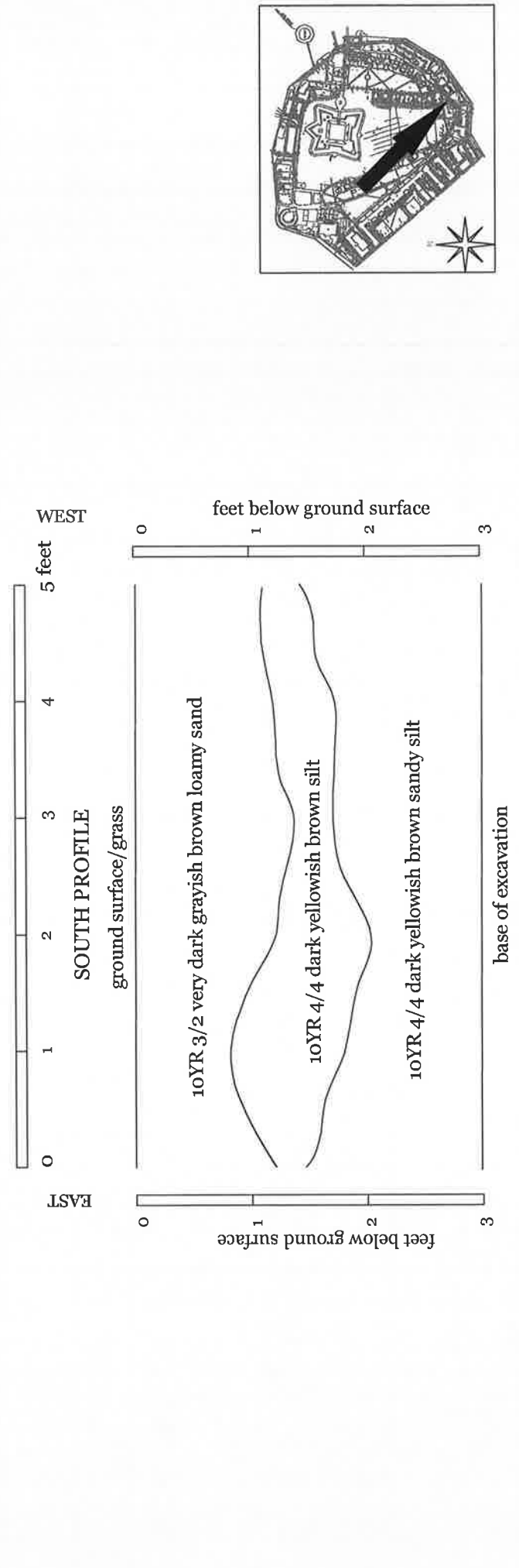
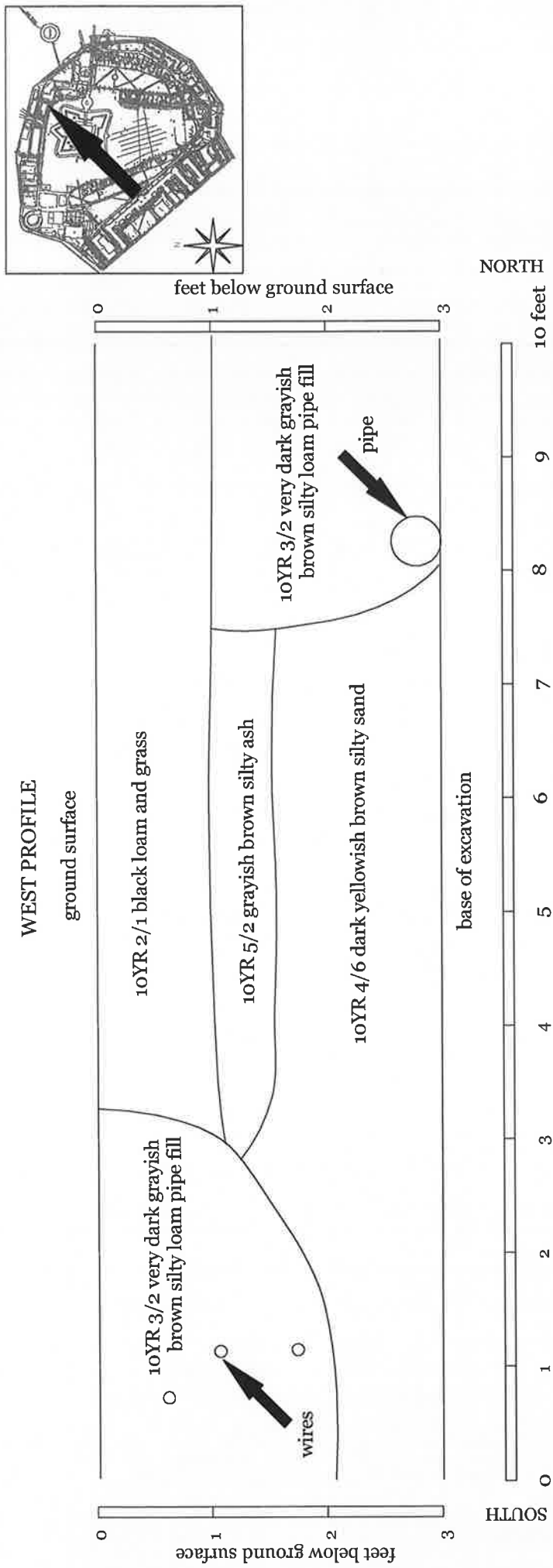


Figure 37 Representative profiles from the Soissons Zone (Tile 1) (top) and South Battery Zone (Tile 13) (bottom) grading excavation monitoring.

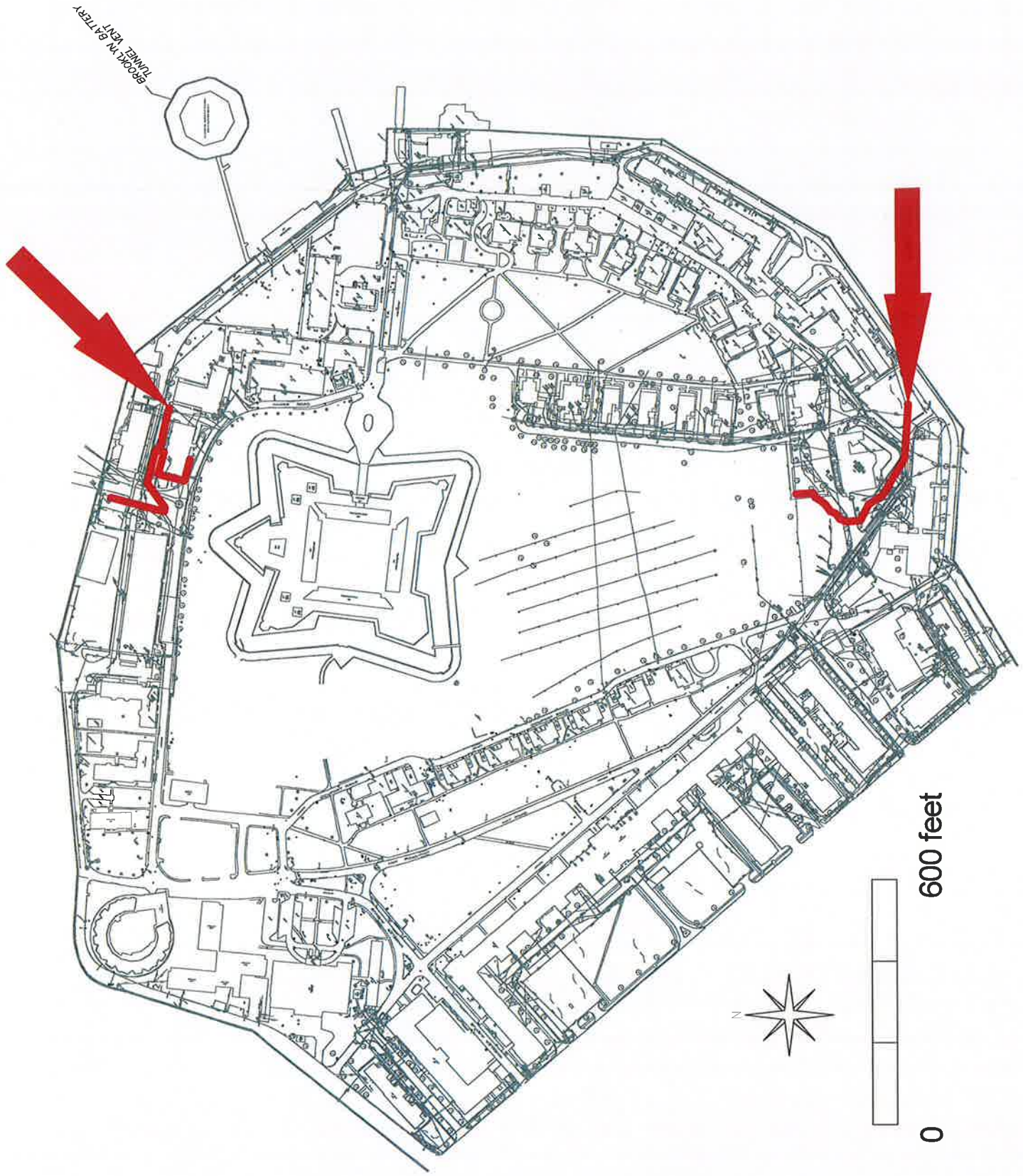


Figure 38 Locations of irrigation main excavations conducted for the Governors Island Park and Public Space Project: Phase 1.

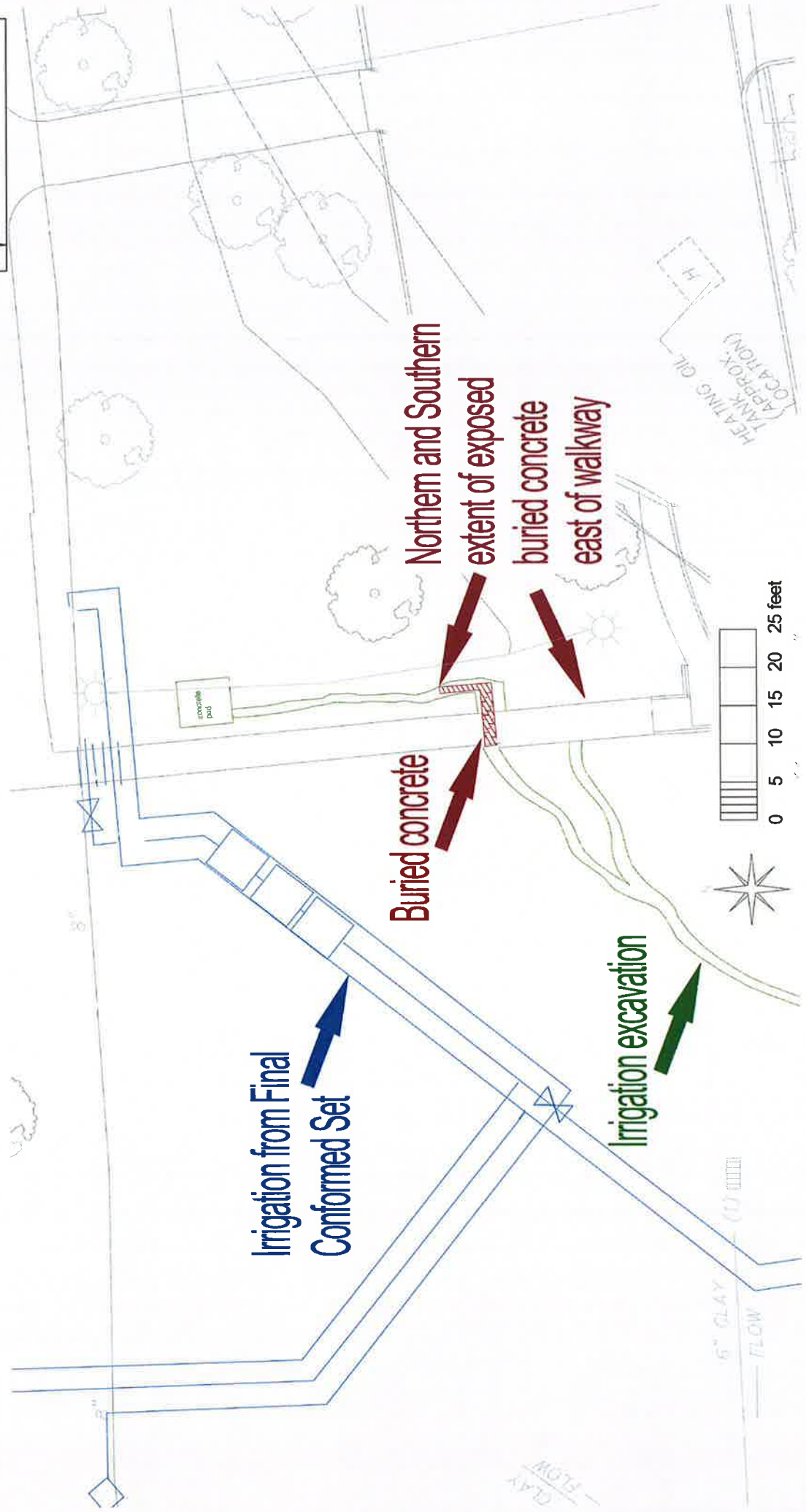


Figure 39 Plan view of the southern Parade Ground irrigation excavation showing the location of a buried concrete surface (South Battery, Tile 13).

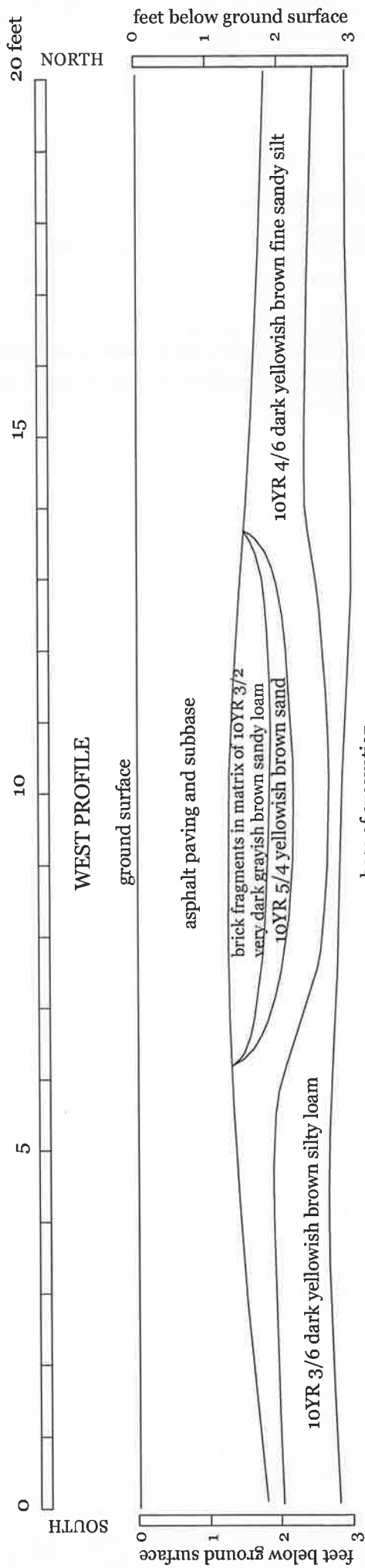
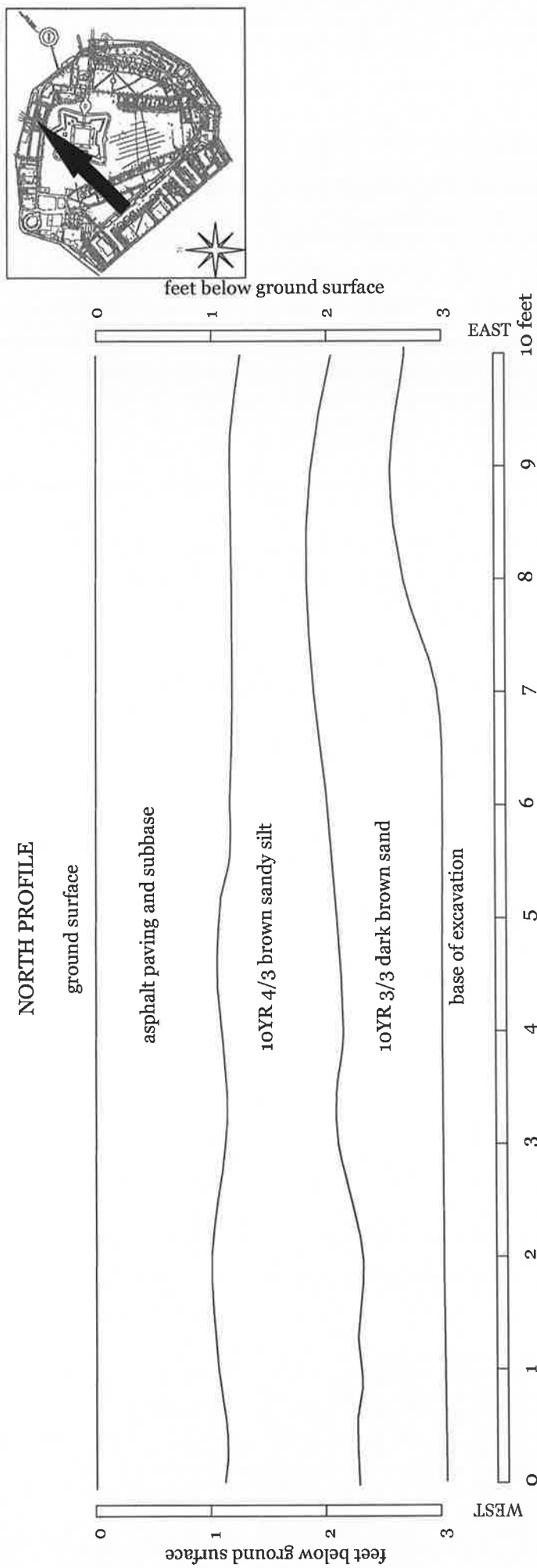


Figure 40 Representative profiles from Ferry Line Road (top) and South Battery (bottom) irrigation trench monitoring (Soissons Zone, Tile 1 and South Battery Zone, Tile 13).

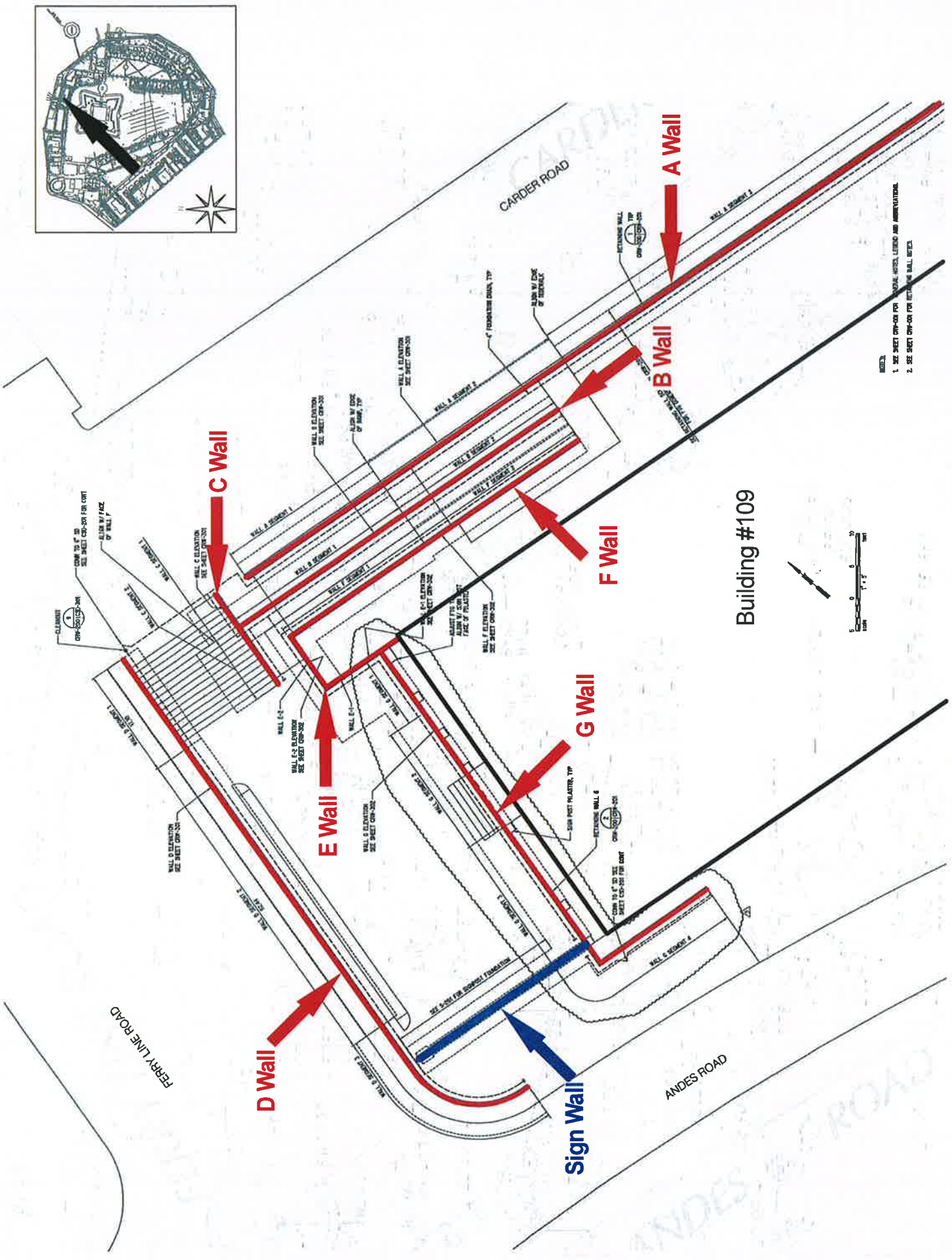


Figure 41 Construction drawing "Retaining Wall Enlargement Plan," Drawing CRW-200 (Soissons Zone, Tile 1).

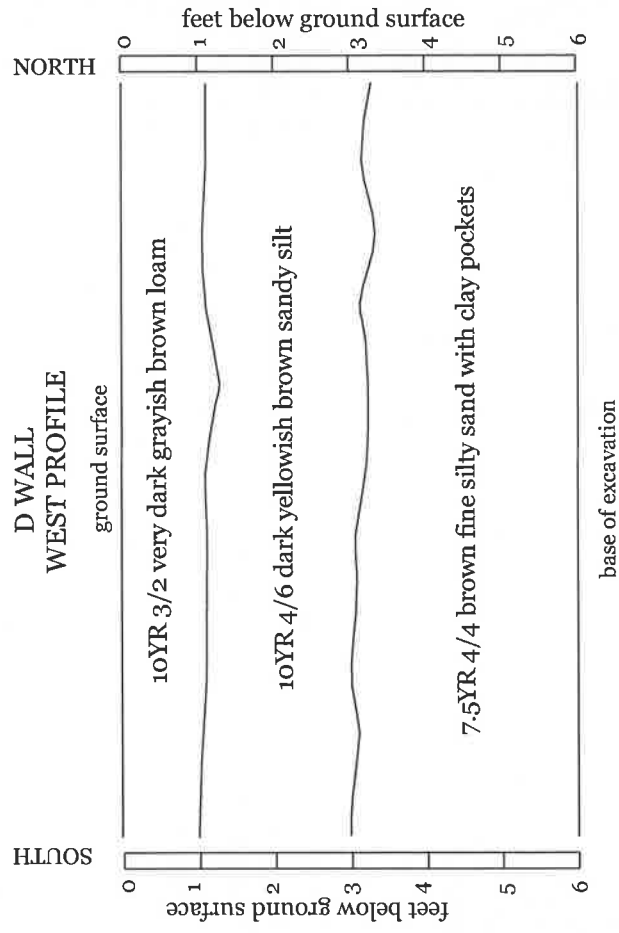
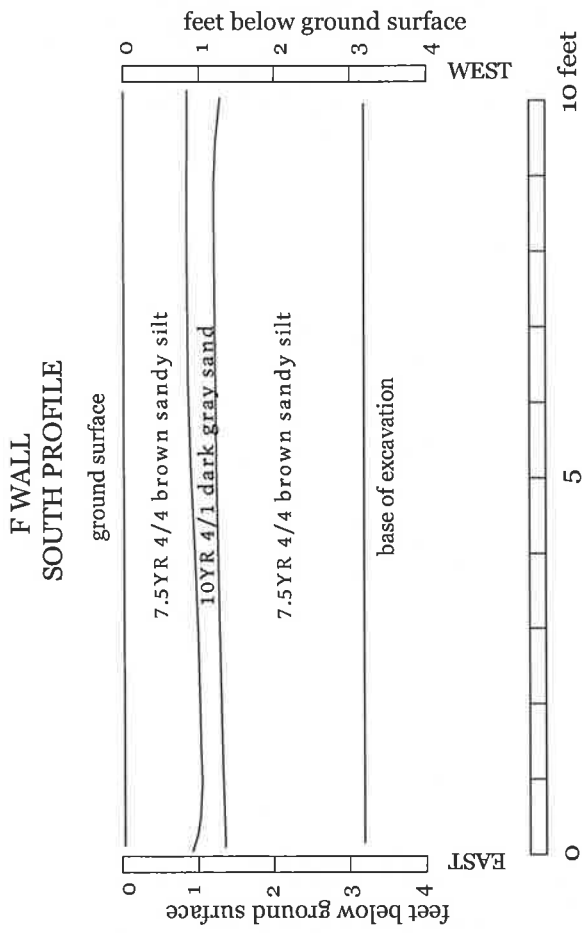


Figure 42 Representative profiles from retaining wall excavation monitoring near Building #109 (F Wall location key on right and D Wall location key on left) (Soissons Zone, Tile 1).

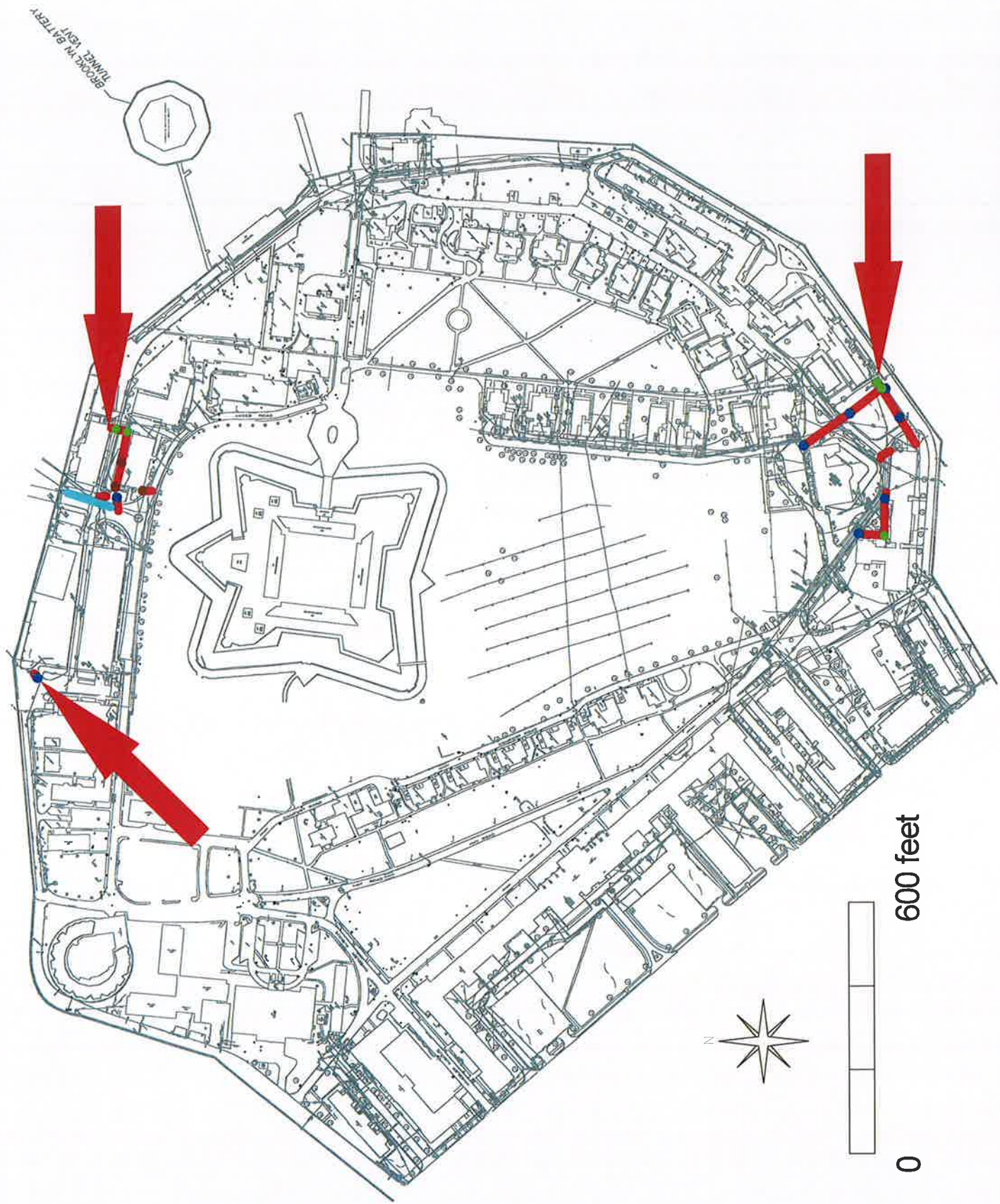


Figure 43 Location of storm drain excavation monitoring, showing French drain (cyan), manholes (green), catch basins (blue) and area drains (brown).



EAST PROFILE

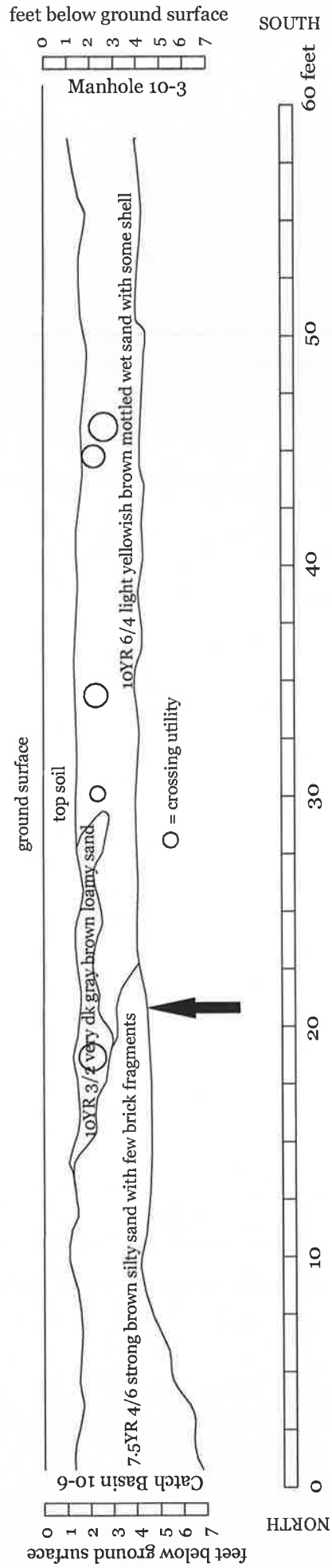
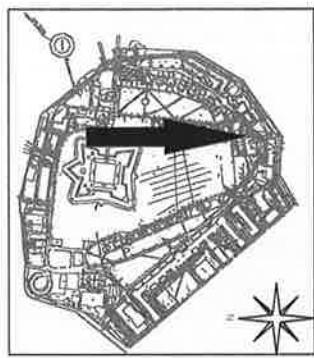
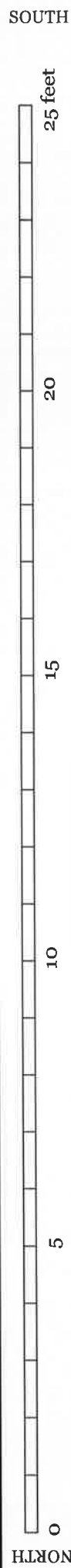
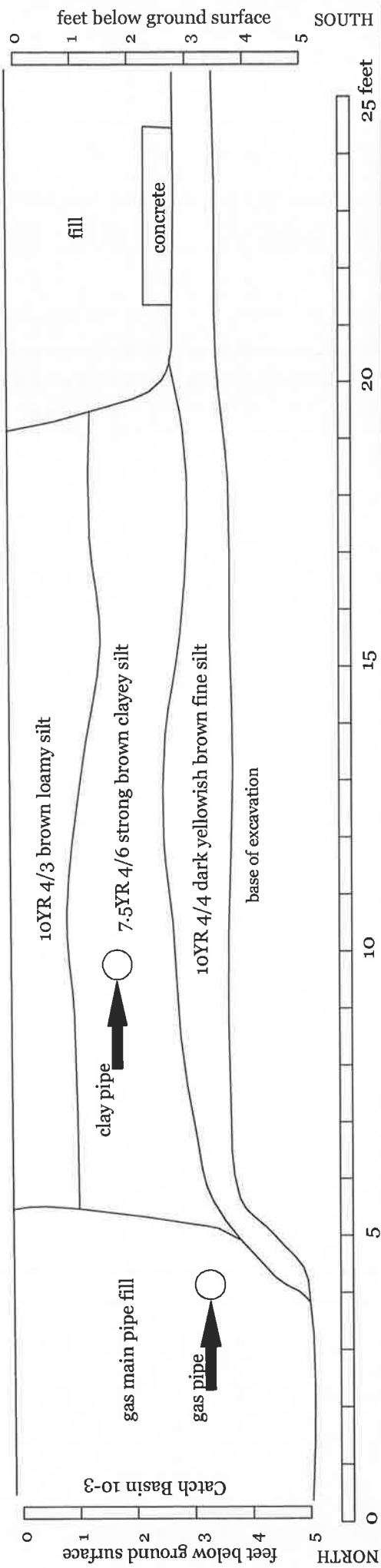


Figure 44 Profiles of the storm drain trench showing the location of the possible former land/water interface at arrow (South Battery Zone, Tile 13).



**SOUTH BATTERY
EAST PROFILE**
ground surface



**FERRY LINE ROAD
EAST PROFILE**
ground surface

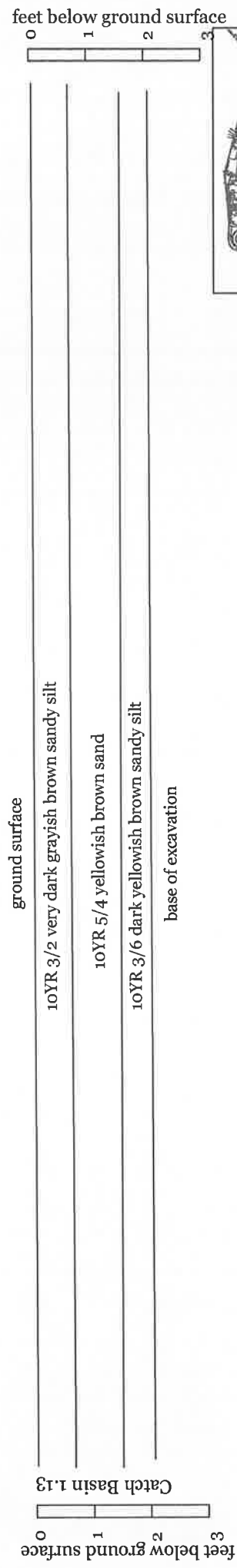


Figure 45 Representative profiles from the South Battery (top) and Ferry Line Road (bottom) storm drain trench monitoring (South Battery Zone, Tile 13 and Soissons Zone, Tile 1).

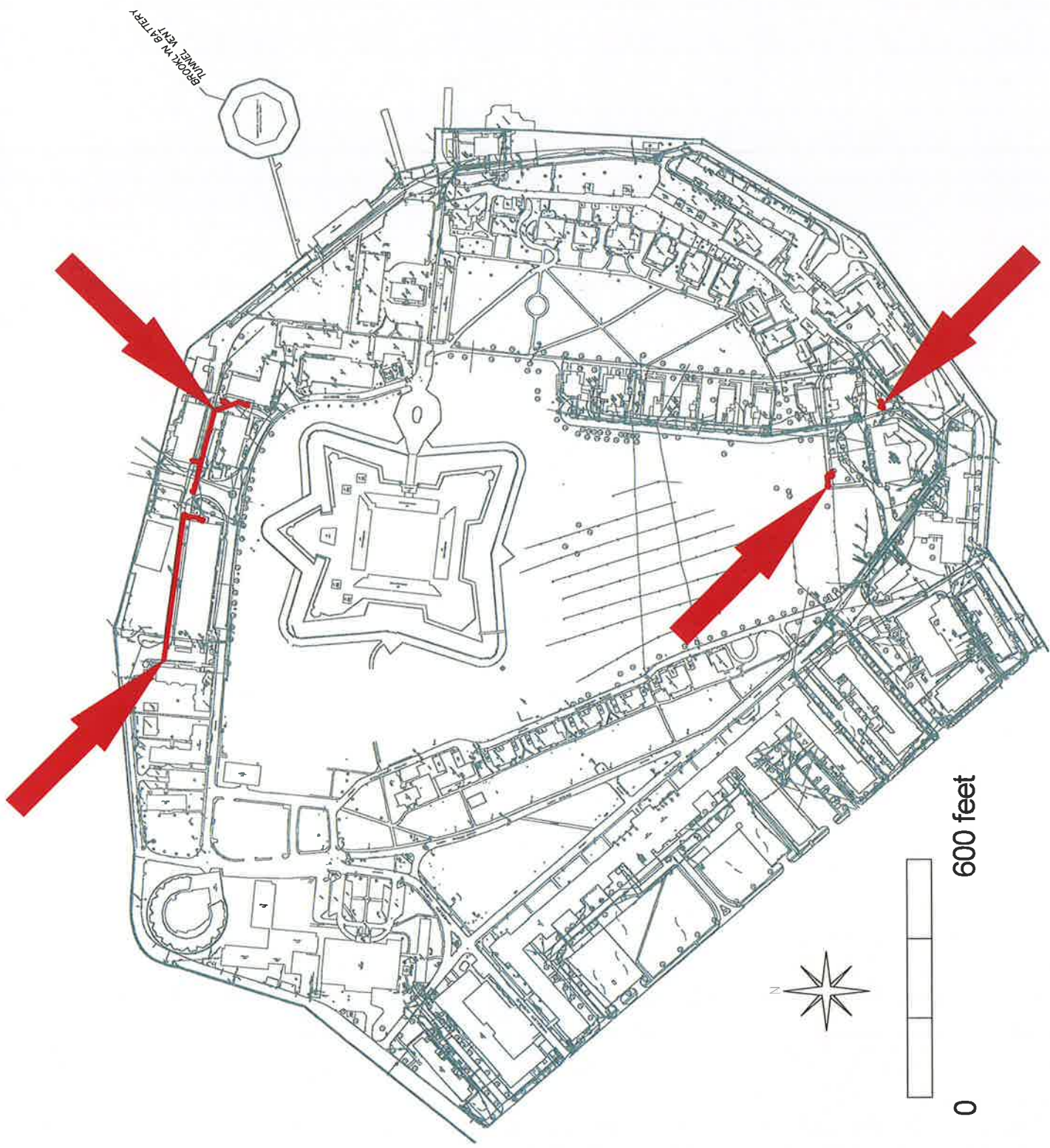


Figure 46 Location of water line excavation conducted for the Governors Island Park and Public Space Project: Phase 1.

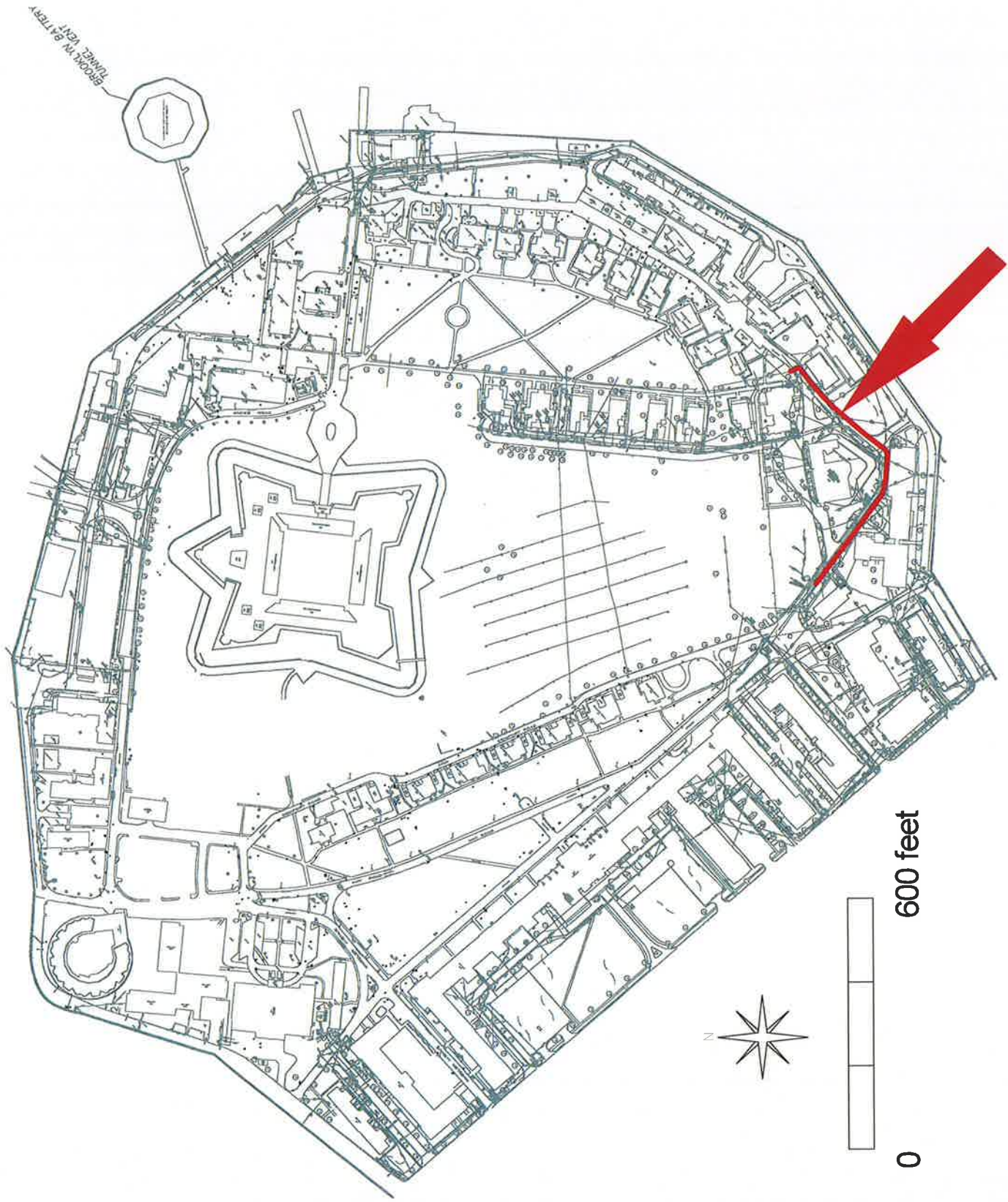


Figure 47 Location of gas line excavation conducted for the Governors Island Park and Public Space Project: Phase 1.



NORTH PROFILE

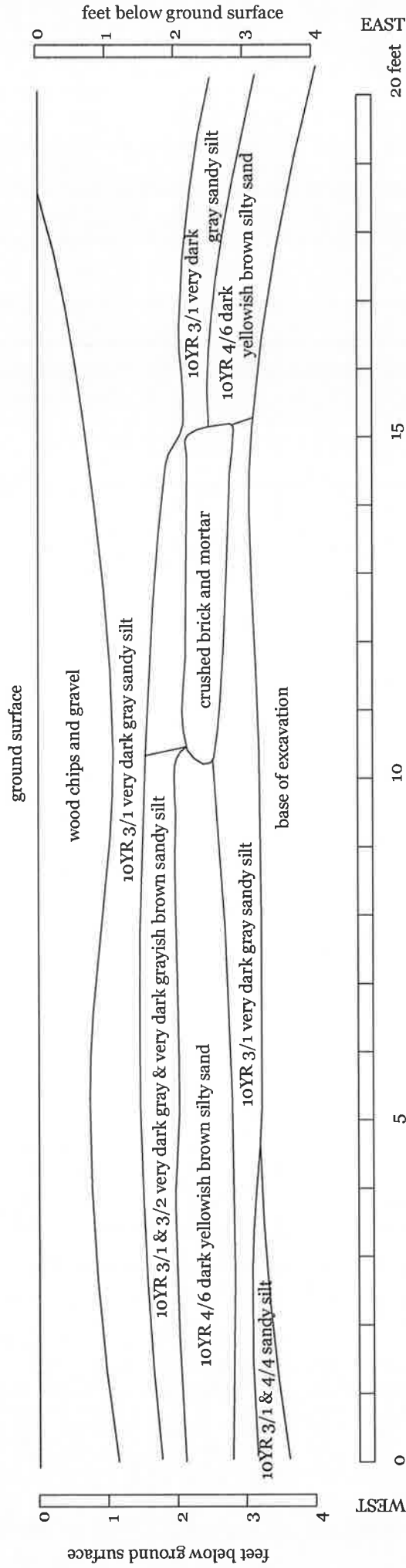


Figure 48 Representative profile from the South Battery gas main trench monitoring (Tile 13).



Photo 1 Feature 1 after completion of most of the archaeological data recovery showing the brick structure and its relationship to the fuel tank, facing southeast (Image 1485: October 25, 2012).



Photo 2 Feature 1 during excavation of EU 1 showing the breach in the roof of the brick structure and its relationship to the former Carder Road retaining wall, existing manhole (inside orange snow fence) and former ground surface, facing northeast (Image 1181: October 9, 2012).



Photo 3 Feature 1 interior after the completion of Shovel Test 1 (ST 1) showing the rectangular opening that connected via an elbow to the ventilation hole in the roof of the end of the structure, as well as the blackened bricks on the interior of Feature 1, facing south (Image 1203: October 9, 2012).



Photo 4 Feature 1 after removal of the interior fill showing the intact fuel tank partially inside and partially outside of the brick structure, facing southwest (Image 1490: October 25, 2012).



Photo 5 Feature 1 after removal of interior fill showing the pipes present along the eastern wall and soot along the interior of the roof, facing southeast (Image 1470: October 25, 2012).



Photo 6 Feature 2 after the completion of excavation units showing the exposed foundation, facing north (Image 1764: January 7, 2013).



Photo 7 Excavation Unit 4 upon completion showing the stone face of the interior of Feature 2, facing west (Image 1761: January 4, 2013).



Photo 8 Feature 2 interior floor with partial foundation after completion of excavation and installation of the concrete G Wall footing installed on the left, facing south (Image 2102: February 6, 2013).



Photo 9 Completed excavation of the G wall footing segments 1 and 2 showing the portion of the eastern side of Feature 2 that was preserved, facing south (Image 1789: January 7, 2013).



Photo 10 Feature 3 visible on the surface exposed after paving removal in Tile 13 - South Battery Zone, facing west (Image 2675: March 29, 2013).



Photo 11 Sections of mortared brick demolition debris and broken pavement exposed in the vicinity of Feature 3 as the then existing parking lot was being removed, facing northwest (Image 1305: October 15, 2012).



Photo 12 Part of a horizontal wooden member initially thought to be part of a landfill-retaining structure seen at the bottom of the photograph in the base of excavation, facing northwest (Image 1886: January 16, 2013).



Photo 13 Compost heap visible as the dark organic soil within the grading excavations at Tile 13 - South Battery Zone, facing east (Image 3121: May 17, 2013).



Photo 14 Large previously displaced section of a mortared brick wall that was part of demolition debris unearthed during excavation monitoring of an electrical line trench in Tile 13 - South Battery Zone (Image 2784: April 8, 2013).



Photo 15 Large previously displaced granite foundation-type stone found during excavation monitoring of an electric trench in Tile 13 - South Battery Zone (Image 2778: April 8, 2013).



Photo 16 Part of a possible foundation identified in the base of excavation of Excavation Unit 6, facing east (Image 2812: April 9, 2013).



Photo 17 Feature 8 identified in the base of excavation during monitoring of an electrical line trench, facing north (Image 3606: October 28, 2013).



Photo 18 Feature 9 identified during excavation monitoring for a light post footing, facing east (Image 3632: October 29, 2013).



Photo 19 Kiln stilts - shell motifs (upper two images on left photo FB 200); leaf motif (lower left FB 178); cross-hatching and numerical mark “30” or “50” (lower right image on left photo FB 62) and “B & Co” mark (right image FB 178).



Photo 20 Belgian Block surface exposed in Excavation Unit 9 at the bottom of Stratum 3, facing north (Image 2700: March 29, 2013).



Photo 21 Black soil identified as somewhat regular diagonal stripes within the south profile of Trench 8, shown at 1.5 feet below ground surface, facing south (Image 1680: December 28, 2012).



Photo 22 Black soil identified as a uniform, level surface in Trench 9, shown at 1.5 feet below ground surface, facing west (Image 1828: January 10, 2013).



Photo 23 Dense concentration of shell identified in Trench 11, north segment, facing east (Image 2549: March 22, 2013).



Photo 24 Former curb exposed toward the bottom of the electrical line trench excavated in Andes Road between Building #s 111 - 112, facing west (Image 2210: February 28, 2013).



Photo 25 Hole left after removal of light post footing across from Soissons Landing on National Park Service property, facing north (Image 4067: March 25, 2014).



Photo 26 Former concrete surface exposed in the irrigation line excavation in Tile 13 - Parade Ground Zone, facing north (Image 3682: November 7, 2013).

Appendix A

Artifact Proveniences

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT: PHASE 1
ARTIFACT PROVINCES

FIELD BAG #	EXC. DATE	CONTEXT/COMMENTS	ZONE
1	10/04/12	Feature 1 interior	Soissons
2	10/05/12	EU1 S1 L1; exterior Feat 1	Soissons
3	10/05/12	EU1 S1 L2; exterior Feat 1	Soissons
4	10/05/12	EU1 S2 L1; exterior Feat 1	Soissons
5	10/05/12	EU1 S3 L1; exterior Feat 1	Soissons
6	10/09/12	EU1 S3 L2; exterior Feat 1	Soissons
7	10/09/12	EU1 S3 L3; exterior Feat 1	Soissons
8	10/09/12	STP 1 interior Feat 1 2.7 – 2.9' below top of feature	Soissons
9	10/18/12	EU2 S1 L1; interior Feat 1	Soissons
10	10/18/12	EU2 S1 L2; interior Feat 1	Soissons
11	10/18/12	EU2 S1 L3; interior Feat 1	Soissons
12	10/18/12	EU2 S1 L4; interior Feat 1	Soissons
13	10/18/12	EU2 S1 L5; interior Feat 1	Soissons
14	10/18/12	EU2 S1 L6; interior Feat 1	Soissons
15	10/18/12	EU2 S1 L7; interior Feat 1	Soissons
16	10/18/12	EU2 S1 L8; interior Feat 1	Soissons
17	10/18/12	EU2 S1 L9; interior Feat 1	Soissons
18	10/18/12	T 6 above concrete	South Battery
19	10/18/12	T 6 below concrete	South Battery
20	10/18/12	T 6 below profile base in backdirt	South Battery
21	10/22/12	T 7 on top of concrete at 10"	South Battery
22	10/22/12	T 7 below concrete	South Battery
23	10/22/12	T 7 in ash at BOE	South Battery
24	10/24/12	Feature 1 cleaning after MH removal	Soissons
25	10/24/12	EU2 S1 L10, interior Feat 1	Soissons
26	10/24/12	Feature 1 interior fill approx. 1' above footing	Soissons
27	11/26/12	CB 10-3 cut back dirt	South Battery
28	11/26/12	CB 10-2 cut backdirt	South Battery
29	11/27/12	Trench CB 10-2 to CB 10-3 @ 30' N of CB 10-2, 3.5' bgs	South Battery
30	11/27/12	Trench MH 10-1 to CB 10-2 @ 3' bgs	South Battery
31	11/28/12	Trench CB 10-1 to MH 10-1	South Battery
32	11/29/12	South of CB 10-3; less than 6' bgs; new fire hydrant	South Battery
33	11/30/12	Backdirt from excavation for CB 10-5	South Battery
34	11/30/12	Backdirt from excavation of MH 178; 4-5' bgs	South Battery
35	12/24/12	T 8, west end, 5' east, 1' bgs	Parade Ground
36	12/24/12	T8 west end, 1 – 1.5' bgs, while shoveling	Parade Ground
37	12/24/12	T8 1st 10' east at 1.5' bgs	Parade Ground
38	12/24/12	T 8; approx. 8' east and <1' bgs, from amongst cobbles; shovel scrape	Parade Ground
39	12/24/12	T 8 west end @ 6 – 12" bgs, found during shoveling	Parade Ground
40	10/24/12	EU2 S2 L1, interior Feat 1	Soissons
41	12/26/12	T 8, 10 – 21' segment, about 15' and 0.6' bgs, screened	Parade Ground
42	12/26/12	T 8, 12.5' east, 1.5' bgs	Parade Ground
43	12/26/12	T 8, 15' east, 1' bgs, screened	Parade Ground
44	12/26/12	T 8, 21 – 31' from west end, 1 – 1.5' bgs	Parade Ground
45	12/26/12	T 8, 21 – 31' segment from west end, 0.5 – 1' bgs	Parade Ground
46	12/26/12	T 8, 19.3' east at 0.5' bgs	Parade Ground
47	12/27/12	T 8, 21 – 31' segment, during shoveling 0 – 0.5' bgs	Parade Ground
48	12/27/12	T 8 @ 30', 1' bgs during troweling	Parade Ground

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT: PHASE 1
ARTIFACT PROVINCES

FIELD BAG #	EXC. DATE	CONTEXT/COMMENTS	ZONE
49	12/27/12	T 8, 21 – 31', 1' bgs, screened	Parade Ground
50	12/28/12	STP 4.3	Soissons
51	12/28/12	T 8, 21 – 31', 1.5' bgs, soil sample	Parade Ground
52	12/28/12	STP 3.1	Soissons
53	12/31/12	T 8, 31 – 38' segment, 0.8' – 1.0' bgs while shoveling	Parade Ground
54	12/31/12	T 8, 0.5 – 1.0' bgs, screened	Parade Ground
55	01/03/13	EU3 S1 L1, 0 – 7" bgs, interior Feat 2	Soissons
56	01/03/13	EU3 S1 L2, interior Feat 2	Soissons
57	01/03/13	EU3 S1 L3, interior Feat 2	Soissons
58	01/04/13	EU4 S1 L1, exterior Feat 2	Soissons
59	01/04/13	EU4 S2 L1, exterior Feat 2	Soissons
60	01/04/13	EU4 S2 L2, exterior Feat 2	Soissons
61	01/16/13	EU3 S1 L4, interior Feat 2	Soissons
62	01/16/13	From backdirt west of MH 10-1, area of possible LFR	South Battery
63	01/10/13	T 9, shoveling, 0.5 – 1' bgs	Parade Ground
64	01/11/13	T 9, 14 – 24', 0.5 – 1' bgs, during shoveling	Parade Ground
65	01/10/13	T 9, 24 – 36' north, 1 – 1.5' bgs, during shoveling and troweling	Parade Ground
66	01/10/13	T 9, 24 – 36' north, 0.5 – 1' bgs screened	Parade Ground
67	01/09/13	T 9, 24 – 36', 0 – 0.5' bgs, troweling near large root	Parade Ground
68	01/11/13	T 9, 14 – 24', 0.5 – 1' bgs, during screening	Parade Ground
69	01/11/13	T 9, 14 – 24', 0 – 0.5' bgs, during shoveling and troweling	Parade Ground
70	01/11/13	T 9, 14 – 24', 1 – 1.5' bgs, during shoveling	Parade Ground
71	01/11/13	T 9, 14 – 24', 0 – 0.5' bgs, during screening	Parade Ground
72	01/17/13	T 9, 0 – 14', 0.5 – 1' bgs, during shoveling and troweling	Parade Ground
73	01/17/13	T 9, 0 – 14', 0.5' bgs, troweling	Parade Ground
74	01/17/13	T 9, 6 – 14' north, 0-0.5' bgs, Strat 1, screened	Parade Ground
75	02/06/13	E Wall excavation, in fill, about 15' asl, west of B109	Soissons
76	02/18/13	Electric trench, Box 3 – 4, 14" bgs	Soissons
77	02/20/13	Electric trench, Box Andes Rd, south of B109	Soissons
78	02/21/13	Electric trench, south of B109 entryway, Andes Rd	Soissons
79	02/26/13	Trench for ABF Walls, 3'2" below top of E Wall segment 2 footing	Soissons
80	02/28/13	Electric trench in front of B112 ADA ramp on Andes Rd, backdirt	Soissons
81	03/05/13	T 10 segment 1, Strat 4 west, from screen	Soissons
82	03/07/13	T 10 segment 2, Strat 2 @ 0.9' bgs (bag discarded – NCM)	Soissons
83	03/07/13	T 10 segment 2, Strat3, from trowel scraping	Soissons
84	03/07/13	T 10 segment 2, Strat 3, from screen	Soissons
85	03/05/13	EU5 S1 L1, screened, 7 – 14" bgs, Hay Rd.	Colonel's Row
86	03/05/13	EU5 S2 L1, screened, 14 – 24" bgs, Hay Rd	Colonel's Row
87	03/01/13	T 10 segment 3, Strat 2, from screening	Soissons
88	03/01/13	T 10 segment 3, Strat 3, from trowel 2.6' east of west end, approx 1.6'bgs	Soissons
89	03/01/13	T 10 segment 3, Strat 4, from troweling	Soissons
90	03/12/13	Test pit north of B112 staging area, hand dug to look for utilities @ 30" bgs	Soissons
91	03/13/13	Electric trench, Hay Rd, west of TA-132, Strat 1	Colonel's Row
92	03/15/13	Electric trench, Hay Rd, NW of B410, Strat 1	Colonel's Row
93	03/13/13	T 10 segment 5 Strat 1; Andes Rd; shovel and trowel, in subbase	Soissons
94	03/13/13	T 10 segment 4, east ½ Strat 5, Andes Rd.	Soissons
95	03/13/13	T 10 segment 4, west side, Strat 3, Andes Rd.	Soissons
96	03/13/13	T 10 segment 4, east ½, Strat 4, shovel and trowel, Andes Rd.	Soissons

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT: PHASE 1
ARTIFACT PROVINCES

FIELD BAG #	EXC. DATE	CONTEXT/COMMENTS	ZONE
97	03/13/13	T 10 segment 4, east ½, Strat 3, shovel and trowel, Andes Rd.	Soissons
98	03/13/13	T 10 segment 4, west side, Strat 2, screened, Andes Rd.	Soissons
99	03/13/13	T 10 segment 4, east side, Strat 4, screened, Andes Rd.	Soissons
100	03/14/13	T 10 segment 5, Strat 3, 1.5 – 2' bgs, shovel and trowel, Andes Rd.	Soissons
101	03/14/13	T 10 segment 5, Strat 2, 1 – 1.5' bgs, shovel and trowel, Andes Rd.	Soissons
102	03/18/13	Wood bench footing, Carder Rd; north of B110 0 – 2'4" bgs, backdirt	Soissons
103	03/18/13	Water main isolation/disconnect trench, Carder Rd. at B110, 0 – 6' bgs, backdirt	Soissons
104	03/18/13	Gas line exposure trench, north of B110, Carder Rd., 0 – 4'bgs, backdirt	Soissons
105	03/19/13	Wood bench footing, Soissons Landing backdirt	Soissons
106	03/20/13	Trench for stairs west of ferry landing, Strat 1	Soissons
107	03/21/13	Trench for water north of B110 near Ferry Line Rd., backdirt	Soissons
108	03/22/13	T 11 north segment, Strat 2, shovel and trowel, Ft. Columbus elec trench	Colonel's Row
109	03/22/13	T 11, Strat 2, screened, Ft. Columbus Cemetery electric trench	Colonel's Row
110	03/23/13	Electric trench segment 1 backdirt, in Ferry Line Rd. near B140	Soissons
111	03/23/13	Electric trench segment 5 backdirt, in Ferry Line Rd., 4 bags	Soissons
112	03/26/13	TA-144, Strat 2, light post auger hole	Colonel's Row
113	03/26/13	TA-145, 68" bgs, 36" diameter light post auger hole, Clayton Rd	Colonel's Row
114	03/27/13	A Wall trench at 8.25' ASL	Soissons
115	03/27/13	Electric trench segment 7, north of B110, Carder Rd.	Soissons
116	03/27/13	T 11 center segment, Strat 2, trowel and shovel	Colonel's Row
117	03/27/13	T 11 south segment, Strat 1, screened	Colonel's Row
118	03/27/13	T 11 center segment, Strat 3, Ft. Columbus Cemetery, shovel and trowel	Colonel's Row
119	03/27/13	T 11 center segment, Strat 1, Ft. Columbus Cemetery, shovel and trowel	Colonel's Row
120	03/27/13	T 11 center segment, Strat 3, Ft. Columbus Cemetery, screened	Colonel's Row
121	03/29/13	A Wall trench segment 3, backdirt	Soissons
122	03/29/13	EU9 S3 L1	South Battery
123	03/29/13	EU9 S3 L2	South Battery
124	03/29/13	EU9 S2 L1	South Battery
125	04/01/13	EU9 S4 L1	South Battery
126	04/02/13	EU8 S1 L2	South Battery
127	04/02/13	EU8 S2 L1	South Battery
128	04/02/13	EU8 S3 L1	South Battery
129	04/02/13	EU8 S4 L1	South Battery
130	04/02/13	EU8 S1 L3	South Battery
131	04/02/13	Grading at B110, backdirt	Soissons
132	04/03/13	Grading at B110, backdirt	Soissons
133	04/04/13	Grading at B110, backdirt, ground surface is Anded Rd (top od asphalt)	Soissons
134	04/05/13	Water fountain trench at B110, Strat 1	Soissons
135	04/08/13	Grading at B110, backdirt	Soissons
136	04/03/13	EU6 S1 L2	Parade Ground
137	04/04/13	EU6 S2 L2	Parade Ground
138	04/04/13	EU6 S2 L3	Parade Ground
139	04/09/13	EU6 S2 L4	Parade Ground
140	04/09/13	EU6 S3 L1	Parade Ground
141	04/10/13	Electric trench at E box, approx. 6" bgs, 16" above conduit at SE corner of St. Cornelius	South Battery
142	04/10/13	From Con Ed trench at B301 in disturbance in road where old elec. crosses	South Battery

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT: PHASE 1
ARTIFACT PROVINCENCES

FIELD BAG #	EXC. DATE	CONTEXT/COMMENTS	ZONE
143	04/10/13	B110 grading, El. 14.6' ASL	Soissons
144	04/10/13	Con Ed/Phase 1 gas trench	South Battery
145	04/09/13	Electric trench segment 2	Soissons
146	04/10/13	Grading at B110, El. 14.6' ASL	Soissons
147	04/11/13	Con Ed/Phase 1 gas trench	South Battery
148	04/12/13	TA-1.003 light pole base	Soissons
149	04/12/13	Electric trench near B110, TA-1.005 – 1.001	Soissons
150	04/15/13	Electric trench near B110, Andes Rd., TA-1.003 light box	Soissons
151	04/15/13	Electric trench connection to TA-1.002	Soissons
152	04/17/13	TA-1.008, Andes Rd., Strat 2	Soissons
153	04/19/13	TA S.009, Andes Rd., Strat 1	Soissons
154	04/23/13	TA.157, from backdirt of light pole excavation	Colonel's Row
155	04/22/13	Grading at B110, south of TA-1.007 2' – 2'8"bgs	Soissons
156	04/22/13	Grading at Ferry landing; 33" below bench footing	Soissons
157	04/23/13	Grading at B110, north of TA-1.007, 2' – 2'8"bgs	Soissons
158	04/24/13	Grading west of ferry landing	Soissons
159	04/25/13	Grading @ South Battery	South Battery
160	04/29/13	Grading @ South Battery, west side B12 Section C	South Battery
161	04/30/13	Grading @ South Battery	South Battery
162	04/30/13	Grading @ South Battery, near B298	South Battery
163	04/30/13	Grading @ South Battery, SW corner B301	South Battery
164	05/01/13	Grading @ South Battery, SW side B301, near Kimmel Rd.	South Battery
165	05/01/13	Grading @ South Battery, pathway near B301 and Barry Rd.	South Battery
166	05/03/13	Grading @ South Battery, N side B301, near Barry Rd.	South Battery
167	05/03/13	Grading @ South Battery, near B12 Section C, N side Kimmel Rd.	South Battery
168	05/02/13	TA.133 light pole, 6' bgs	Colonel's Row
169	05/03/13	TA.133 light pole, screened backdirt	Colonel's Row
170	05/10/13	@ TA.018 STP 5 S1 0-6" bgs, Andes Rd. site	Soissons
171	05/10/13	@ TA.018 STP 5 Strat 2 ; Andes Rd site	Soissons
172	05/13/13	Grading @ South Battery, near doorway to B198	South Battery
173	05/14/13	French drain trench in Ferry Line Rd.	Soissons
174	05/15/13	Tile 13 irrigation main trench, Strat 2 on trench form, from BOE about 20' north of manhole	South Battery
175	05/15/13	TA.018, Andes Rd. connection trench, at 1.4'bgs, Strat 2	Soissons
176	05/16/13	Irrigation trench, Barry Rd.	South Battery
177	05/15/13	Irrigation trench, 24" bgs	South Battery
178	05/17/13	Grading @ South Battery, near Kimmel Rd and B301	South Battery
179	05/21/13	Irrigation trench B109 Andes Rd side; Strat 1	Soissons
180	06/10/13	Meter vault trench, Strat 1	Parade Ground
181	06/18/13	Electric trench for irrigation connection to meter vault 0"-17"bgs	Parade Ground
182	06/18/13	Electric trench for irrigation connection, Barry Rd. segment	Parade Ground
183	05/17/13	Tile 13 Phase 1 utility trench near Kimmel Rd; back dirt	South Battery
184	10/04/13	STP 6 Strat 2, 0.3-0.7' bgs	Parade Ground
185	10/04/13	STP 7 Strat 2 0.3-0.5' bgs	Parade Ground
186	10/04/13	STP 7 Strat 4 0.9-1.3'bgs	Parade Ground
187	10/07/13	STP 8 Strat 2 0.3-1.1'bgs	Nolan Park
188	10/07/13	STP 8 Strat 3 1.1-3.0'bgs	Nolan Park
189	10/04/13	STP 7 Strat 3 0.5-0.9'bgs	Parade Ground

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT: PHASE 1
ARTIFACT PROVINCES

FIELD BAG #	EXC. DATE	CONTEXT/COMMENTS	ZONE
190	10/08/13	Sign post footing, north post at New Evans and Kimmel Rds, 2.5' bgs, Strat 3	South Battery
191	10/16/13	Sign post footing #4, South Nolan Park	Nolan Park
192	10/17/13	Sign post 2 54" bgs (North Nolan Park)	Nolan Park
193	10/23/13	TA-022, Andes Rd, Bldg 107, Strat 1	Soissons
194	10/23/13	TA-023, Andes Rd., Bldg 107, Strat 1	Soissons
195	11/06/13	Electric trench for sign post, 6-28" bgs	Nolan Park
196	12/02/13	Grading in Hay Rd., northwest of monument, 10" bgs	Colonel's Row
197	12/02/13	Grading at Tile 4; 7" bgs	Soissons
198	04/25/13	TA-043 Strat 2, 3-6' screened finds	Colonel's Row
199	05/07/14	Kelco sign post #23, Strat 2, 2.7' bgs	Nolan Park
200	05/15/14	Kelco sign post #30, Strat 3, backdirt to 3.5' bgs	South Battery

Appendix B
Artifact Inventory

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT: PHASE 1
ARTIFACT INVENTORY

FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
1	10/4/2012	Bone	faunal		6				
1	10/4/2012	Ceramic	stoneware	rim	1	gray	brown slip on both sides	c.1800	present
1	10/4/2012	Glass		curved	1	green		c.1865	present
2	10/5/2012	Bone	faunal		1		scrap		
3	10/5/2012	Ceramic	ironstone		1	white		early 19th C.	present
3	10/5/2012	Glass		flat	1	clear			
4	10/5/2012	Ceramic	refined earthenware		1	white	blue transfer print on one side	c.1780	early 20th C.
4	10/5/2012	Glass		curved	1	aqua			
5	10/5/2012	Ceramic	pearlware	base	1	white		1779	1820+
5	10/5/2012	Ceramic	redware		1	red	unglazed	c.1750	1900
5	10/5/2012	Ceramic	refined earthenware		1	white	unglazed		
5	10/5/2012	Ceramic	stoneware		1	buff	brown slip interior; clear glaze exterior	c.1800	present
5	10/5/2012	Glass		flat	1	clear			
5	10/5/2012	Metal	iron	nail	1		1" length		
5	10/5/2012	Stone			1				
6	10/9/2012	Glass		curved	1	yellow			
6	10/9/2012	Glass		flat	3	clear			
7	10/9/2012	Glass		flat	1	clear			
8	10/9/2012	Bone	faunal		1		saw cut		
8	10/9/2012	Shell	clam		1				
9	10/18/2012	Bone	faunal		7				
9	10/18/2012	Ceramic	pearlware		1	white	light blue glaze exterior; blue, green and red hand painted floral design on exterior	c.1795	1820s
9	10/18/2012	Ceramic	pearlware		1	white	blue and light blue transfer print on one side	c.1795	1840
9	10/18/2012	Ceramic	refined earthenware		1	white			
9	10/18/2012	Shell	oyster		1				
10	10/18/2012	Bone	faunal		22				
10	10/18/2012	Ceramic	redware		3		brown slip on both sides		
10	10/18/2012	Ceramic	refined earthenware	rim	1	white	blue decoration on exterior		
10	10/18/2012	Ceramic	refined earthenware		1	white	spall; possibly hand painted; green leaf decoration on one side		
10	10/18/2012	Shell	oyster		1				

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT: PHASE 1
ARTIFACT INVENTORY

FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
11	10/18/2012	Bone	faunal		2				
11	10/18/2012	Ceramic	pearlware		2	white		1779	1820+
11	10/18/2012	Glass		curved	1	green		c.1865	present
11	10/18/2012	Mortar			2	white	painted		
12	10/18/2012	Bone	faunal		7				
12	10/18/2012	Ceramic	redware	rim	1	red	clear glaze on both sides	c.1775	1900
12	10/18/2012	Stone	chert		1	brown/orange	not worked		
13	10/18/2012	Bone	faunal		12				
13	10/18/2012	Ceramic	redware	rim	1	red	brown slip on both sides		
13	10/18/2012	Ceramic	refined earthenware		1	white			
13	10/18/2012	Metal	copper	button?	1		1/2" diameter		
13	10/18/2012	Stone		disk	1	gray			
14	10/18/2012	Bone	faunal		3				
14	10/18/2012	Ceramic	earthenware	sewer pipe	1	buff	brown slip on one side	c.1800	present
14	10/18/2012	Ceramic	redware		1	red	clear glaze on both sides	c.1775	1900
14	10/18/2012	Ceramic	redware		1	red	black glaze on both sides		
14	10/18/2012	Ceramic	refined earthenware		2	white	spall		
14	10/18/2012	Ceramic	stoneware		1	white	unglazed; burned		
14	10/18/2012	Glass		curved	1	green		c.1865	present
14	10/18/2012	Metal	iron		1		cylindrical shape; hollow interior; corroded exterior; approx. 1/2" diameter and length		
14	10/18/2012	Mortar			1	white	painted on one side		
14	10/18/2012	Shell	clam		1				
14	10/18/2012	Shell	oyster		2				
15	10/18/2012	Bone	faunal		4				
15	10/18/2012	Glass		curved	2	green		c.1865	present
15	10/18/2012	Glass		flat	3	clear			
15	10/18/2012	Glass			1	clear	melted		
15	10/18/2012	Unknown			1		possible bone or plaster		
16	10/18/2012	Bone	faunal		2				
17	10/18/2012	Ceramic	pearlware		1	white		1779	1820+
17	10/18/2012	Ceramic	redware		1	red	gray glaze one side		

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
17	10/18/2012	Coal			1	black			
17	10/18/2012	Glass		curved	2	green		c.1865	present
17	10/18/2012	Shell	oyster		1				
18	10/18/2012	Ceramic	pearlware		1	white		1779	1820+
18	10/18/2012	Ceramic	refined earthenware	rim	1	white	yellow stripe exterior		
18	10/18/2012	Glass		flat	1	white	milk glass	1890s	1960s+
18	10/18/2012	Leather		shoe sole	1	brown			
18	10/18/2012	Metal	iron	nail	1		corroded; 2 3/4" length		
18	10/18/2012	Mortar			2	gray/white	stone tempered		
18	10/18/2012	Shell	oyster		4				
19	10/18/2012	Ceramic	pearlware	base	1	white		1779	1820+
19	10/18/2012	Ceramic	pearlware		3	white		1779	1820+
19	10/18/2012	Ceramic	refined earthenware	rim	1	white			
19	10/18/2012	Ceramic	refined earthenware		1	white	light blue transfer print on one side	1818	1867
19	10/18/2012	Ceramic	refined earthenware		1	white	unglazed; waster		
19	10/18/2012	Ceramic		kiln furniture	2	white	one with shell motif		
19	10/18/2012	Metal	alloy	button	1		corroded; 3/4" diameter		
19	10/18/2012	Metal	iron	nail	1		corroded; 2 1/4" length		
19	10/18/2012	Metal	iron		2		burned		
20	10/18/2012	Ceramic	stoneware	base	1	buff	brown slip interior; clear glaze exterior	c.1800	present
21	10/22/2012	Ceramic	redware	rim	1	red	flower pot	1725	present
22	10/22/2012	Ceramic	refined earthenware		1	white	unglazed; waster		
22	10/22/2013	Conglomerate	metal/slag		2		burned		
22	10/22/2013	Glass		flat	1	clear			
23	10/22/2012	Glass		base	1	amber		c.1860	present
23	10/22/2012	Glass		body	2	clear	mends; embossed ".../...0 th 2 mold seams	1867	present
23	10/22/2012	Glass		flat	1	clear			
24	10/24/2012	Bone	faunal		1		saw cut		
24	10/24/2012	Bone	faunal		4				
24	10/24/2012	Bone	faunal		3		scrap		
24	10/24/2012	Ceramic	ironstone		1	white		early 19th C.	present

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
24	10/24/2012	Ceramic	pearlware		1	white	yellow, white, brown striped design on one side	1790s	c.1815
24	10/24/2012	Shell	clam		2				
25	10/24/2012	Ceramic	refined earthenware		2	white	burned		
25	10/24/2012	Metal	iron		2		corroded		
26	10/24/2012	Bone	faunal		1		saw cut; large mammal		
26	10/24/2012	Ceramic	ironstone	base	1	white		early 19th C.	present
26	10/24/2012	Ceramic	ironstone	rim	4	white		early 19th C.	present
26	10/24/2012	Ceramic	ironstone	rim and base	4	white	mends; black circular maker's mark "SEMI-GRA/ (encircled) L B. BEERBOWER & Co./ WARRANTED/ (star emblem in center)"	1879	1902
26	10/24/2012	Glass		curved	1	green		c.1865	present
26	10/24/2012	Glass		flask	1	clear	whole; embossed base "303"; 6" height; base 1" x 2 1/4"	1867	present
26	10/24/2012	Glass		tumbler	1	clear	paneled; 3" height		
26	10/24/2012	Metal	alloy	cup	1	white	whole; iron corrosion		
27	11/26/2012	Ceramic	pearlware	base	1	white		1779	1820+
27	11/26/2012	Ceramic	pearlware		1	white	light brown striped exterior	1790s	c.1815
27	11/26/2012	Glass		curved	1	clear			
27	11/26/2012	Glass		flat	5	clear			
28	11/26/2012	Bone	faunal		1		saw cut; large mammal		
28	11/26/2012	Bone	faunal		2				
28	11/26/2012	Ceramic	ironstone	rim	1	white	burned	early 19th C.	present
28	11/26/2012	Ceramic	pearlware	base	1	white	blue transfer print on interior with sky and clouds	1795	1840
28	11/26/2012	Ceramic	pearlware		2	white		1779	1820+
28	11/26/2012	Ceramic	porcelain	rim	1	white			
28	11/26/2012	Ceramic	redware		1	red	flower pot	1725	present
28	11/26/2012	Ceramic	refined earthenware	base	2	white	mends; black and gray floral transfer print on interior	1785	1864
28	11/26/2012	Ceramic	refined earthenware	rim	1	white	unglazed; waster		
28	11/26/2012	Ceramic	refined earthenware		1	white	unglazed; waster		
28	11/26/2012	Ceramic	refined earthenware		1	white	blue transfer print on one side with palm trees	1784	1859
28	11/26/2012	Ceramic	stoneware	base and body	1	gray	brown slip on exterior	c.1800	present
28	11/26/2012	Glass		curved	3	clear			
28	11/26/2012	Glass		flat	1	clear	textured on one side; 6" square; 1/4" thick		

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
28	11/26/2012	Glass			1	clear	melted		
28	11/26/2012	Metal	iron		1		corroded		
28	11/26/2012	Stone	chert		1	orange/brown	gray streak on interior		
29	11/27/2012	Bone	faunal		2		saw cut; large mammal		
30	11/27/2012	Ceramic	earthenware	rim	1	buff	Rockingham/Mocha type exterior; yellow interior	c.1850	1900
30	11/27/2012	Ceramic	pearlware	rim	2	white		1779	1820+
30	11/27/2012	Ceramic	pearlware		1	white		1779	1820+
30	11/27/2012	Ceramic	porcelain		3	white			
30	11/27/2012	Ceramic	redware		1	red		1725	present
30	11/27/2012	Ceramic	refined earthenware	base	1	white			
30	11/27/2012	Ceramic	refined earthenware		1	white	spall		
30	11/27/2012	Ceramic	refined earthenware		1	white			
30	11/27/2012	Glass		curved	1	clear			
30	11/27/2012	Glass		finish, neck and shoulder	1	clear	stippled crown cap; embossed "...OLA"	1867	present
30	11/27/2012	Glass		finish, neck and shoulder	1	amber	rounded lip	c.1860	present
30	11/27/2012	Glass		flat	16	clear			
31	11/28/2012	Bone	faunal		2				
31	11/28/2012	Ceramic	creamware		1	white		1762	1820
31	11/28/2012	Ceramic	earthenware	rim	1	buff	Rockingham/Mocha type exterior; yellow interior	c.1850	1900
31	11/28/2012	Ceramic	ironstone	base	1	white		early 19th C.	present
31	11/28/2012	Ceramic	ironstone	handle	1	white		early 19th C.	present
31	11/28/2012	Ceramic	ironstone	rim	1	white			
31	11/28/2012	Ceramic	ironstone		2	white	blue floral decoration on exterior	c.1720	1805
31	11/28/2012	Ceramic	pearlware	base	2	white		1779	1820+
31	11/28/2012	Ceramic	pearlware	base	1	white		1779	1820+
31	11/28/2012	Ceramic	pearlware	base	1	white	blue transfer print with floral design on interior	1784	1859
31	11/28/2012	Ceramic	pearlware	base	1	white	blue transfer print with leaf pattern on interior	1784	1859
31	11/28/2012	Ceramic	pearlware	base	1	white	blue transfer print with floral pattern on interior	1784	1859
31	11/28/2012	Ceramic	pearlware	rim	2	white		1779	1820+
31	11/28/2012	Ceramic	pearlware	rim	1	white	blue transfer print with leaves on interior	1784	1859
31	11/28/2012	Ceramic	pearlware		2	white		1779	1820+

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
31	11/28/2012	Ceramic	pearlware		1	white	molded	1779	1820+
31	11/28/2012	Ceramic	porcelain		3	white			
31	11/28/2012	Ceramic	porcelain		1	white	paneled side		
31	11/28/2012	Ceramic	redware	base	1	red	unglazed	c.1750	1900
31	11/28/2012	Ceramic	redware	rim	3	red	unglazed	c.1750	1900
31	11/28/2012	Ceramic	redware	rim	1	red	clear glaze exfoliating on both sides	1830	1900+
31	11/28/2012	Ceramic	redware		1	red	clear glaze on both sides	1830	1900+
31	11/28/2012	Ceramic	refined earthenware	base	1	white	purple geometric transfer print on exterior	1814	1867
31	11/28/2012	Ceramic	refined earthenware	handle	1	white	blue transfer print with geometric pattern on exterior	1784	1867
31	11/28/2012	Ceramic	refined earthenware	rim	1	white	blue transfer print with Chinese motif on exterior; floral and geometric pattern on interior	1816	1849
31	11/28/2012	Ceramic	refined earthenware	rim	1	white	blue bands at rim on both sides	1784	1859
31	11/28/2012	Ceramic	refined earthenware	rim	1	white	blue transfer print with floral design on interior	1826	1849
31	11/28/2012	Ceramic	refined earthenware	rim	1	white	blue transfer with leaf design on exterior	1784	1859
31	11/28/2012	Ceramic	refined earthenware	rim	1	white	blue spongeware	1820s	1930s
31	11/28/2012	Ceramic	refined earthenware	rim	4	white	unglazed; waster		
31	11/28/2012	Ceramic	refined earthenware		1	white	unglazed; waster		
31	11/28/2012	Ceramic	refined earthenware		1	white	blue transfer print with leaves on exterior	1784	1859
31	11/28/2012	Ceramic	refined earthenware		1	white	blue transfer print on interior with bird and floral design	1784	1859
31	11/28/2012	Ceramic	refined earthenware		1	white	blue transfer print with leaves on both sides	1784	1859
31	11/28/2012	Ceramic	stoneware	bottle base and body	1	buff	clear glaze on both sides	1720s	present
31	11/28/2012	Ceramic		kiln furniture	5	white	stilts; 1 with shell motif; one with leaf motif		
31	11/28/2012	Glass		bottle	1	green	whole; 3 part mold; vent mark; 9 3/4" height; 2 1/4" diameter, found 5'bgs @ CB10-1	c.1867	1920s
31	11/28/2012	Glass		bottle	1	amber	whole; 2 mold seams; downtooled lip; 9 5/16" height; 2 15/16" diameter, found 5'bgs @ CB10-1		
31	11/28/2012	Glass		bottle	1	clear	whole; 3 part mold; embossed base "PATENT APPLIED FOR"; faceted shoulder, lozenge pattern below shoulder and above base; height 8 3/8"; diameter 2 3/4", found 5'bgs @ CB10-1	late 19th c.	c.1930
31	11/28/2012	Glass		bottle	1	clear	whole; medicine bottle; kidney body horizontal; 5 1/4" height; 2 1/4" x 1 5/16" base, found 5'bgs @ CB10-1	1867	present
31	11/28/2012	Glass		curved	1	clear	embossed "SA/EMULSI..."	1867	present
31	11/28/2012	Glass		curved	1	clear			

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
31	11/28/2012	Glass		flat	4	clear			
31	11/28/2012	Glass		flat	1	clear	ribbed on one side		
31	11/28/2012	Glass		lid	1	clear			
31	11/28/2012	Metal	iron	nail	1		approximately 6" length; corroded		
31	11/28/2012	Metal	iron	nail	1		3 1/2" length; very corroded		
31	11/28/2012	Stone	chert		4	brown/orange	not worked		
32	11/29/2012	Bone	faunal		1		saw cut; large mammal		
33	11/30/2012	Bone	faunal		5		saw cut; large mammal		
33	11/30/2012	Bone	faunal		5				
33	11/30/2012	Ceramic	ball clay	pipe stem	1	white			
33	11/30/2012	Ceramic	ball clay	pipe stem	1	white	maker's mark "...ambier/...Paris/...M"	1840	1891?(1926)
33	11/30/2012	Ceramic	pearlware	rim	2	white		1779	1820+
33	11/30/2012	Ceramic	pearlware	rim	1	white	blue shell edge on interior rim	mid 1770s	1890s
33	11/30/2012	Ceramic	pearlware		1	white	partial maker's mark (illegible)	1779	1820+
33	11/30/2012	Ceramic	porcelain	base	1	white			
33	11/30/2012	Ceramic	refined earthenware	base	1	white			
33	11/30/2012	Ceramic	refined earthenware		1	white	yellow glaze on both sides		
33	11/30/2012	Ceramic	refined earthenware		2	white			
33	11/30/2012	Ceramic	stoneware		1	buff	brown glaze on exterior	c.1800	present
34	11/30/2012	Bone	faunal		5		saw cut; large mammal		
34	11/30/2012	Bone	faunal		11				
34	11/30/2012	Bone	faunal		7		scrap		
34	11/30/2012	Ceramic	ball clay	pipe bowl	1	white			
34	11/30/2012	Ceramic	ball clay	pipe bowl and stem	1	white			
34	11/30/2012	Ceramic	ball clay	pipe stem	1	white			
34	11/30/2012	Ceramic	ironstone		4	white		1779	1820+
34	11/30/2012	Ceramic	pearlware	base and body	2	white	mends	1785	1864
34	11/30/2012	Ceramic	pearlware	rim	3	white		1779	1820+
34	11/30/2012	Ceramic	porcelain	base	1	white			
34	11/30/2012	Ceramic	porcelain	doll	1	white			
34	11/30/2012	Ceramic	yelloware	rim	1	yellow		1830	1900

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
34	11/30/2012	Glass		curved	1	green		c.1865	present
34	11/30/2012	Glass		curved	1	clear			
34	11/30/2012	Shell	whelk		1				
35	12/24/2012	Mortar			1	white			
36	12/24/2012	Ceramic	ball clay	pipe stem	1	white	impressed lines; possible maker's mark		
36	12/24/2012	Ceramic	pearlware		3	white		1779	1820+
36	12/24/2012	Ceramic	pearlware		1	white	circular impression	1779	1820+
37	12/24/2012	Glass		flat	1	clear			
38	12/24/2012	Glass		curved	1	clear	embossed; illegible	mid 19th C.	present
39	12/24/2012	Ceramic	ball clay	pipe stem	1	brown	stained		
39	12/24/2012	Metal	copper alloy	coin?	1		.8" diameter		
40	10/24/2012	Glass		base	1	clear			
40	10/24/2012	Glass		curved	2	clear			
40	10/24/2012	Glass		flat	4	clear			
40	10/24/2012	Metal	iron	nail	1		2 1/2" length; corroded		
40	10/24/2012	Metal	iron		1		very corroded		
40	10/24/2012	Stone			1	gray			
41	12/26/2012	Ceramic	refined earthenware		1	white	spall		
42	12/26/2012	Bone	faunal		1				
42	12/26/2012	Ceramic	refined earthenware		5	white	spall		
42	12/26/2012	Glass		flat	2	clear			
42	12/26/2012	Glass			1	clear	melted		
43	12/26/2012	Metal	iron	nail	2		1" length; very corroded		
44	12/28/2012	Bone	faunal		1				
44	12/28/2012	Ceramic	pearlware		1	white	spall; gray decoration on one side	1779	1820+
44	12/28/2012	Ceramic	refined earthenware		1	white	spall		
45	12/28/2012	Ceramic	porcelain	rim	1	white			
45	12/28/2012	Ceramic	redware	rim	1	red	brown glaze on both sides	1775	1900
45	12/28/2012	Ceramic	stoneware		1	gray	clear glaze on exterior	1720s	present
46	12/26/2012	Stone			1	white	polished		
47	12/28/2012	Ceramic	earthenware		1	buff	glazed	1750	1900

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
48	12/28/2012	Ceramic	refined earthenware		1	white	unglazed; waster		
49	12/27/2012	Ceramic	pearlware		2	white		1779	1820+
49	12/27/2012	Ceramic	pearlware		1	white	hand painted blue decoration on one side	1784	1859
50	12/28/2012	Ceramic	pearlware		1	white		1779	1820+
51	12/28/2012	Soil			1		sample		
52	12/28/2012	Ceramic	refined earthenware		1	white	spall		
53	12/30/2012	Ceramic	pearlware		1	white		1779	1820+
54	12/31/2012	Ceramic	stoneware		1	gray	brown slip one side	c.1800	present
55	1/3/2013	Botanical	wood		1				
55	1/3/2013	Ceramic	yellowware		1	yellow		1830	1900
55	1/3/2013	Metal	iron	nail	1		1 ¾" length; corroded		
55	1/3/2013	Metal	iron		1		corroded		
56	1/3/2013	Fabric			1	white			
56	1/3/2013	Glass		curved	1	clear			
56	1/3/2013	Glass		curved	8	green		c.1865	present
56	1/3/2013	Glass		flat	11	clear			
56	1/3/2013	Shell	clam		1				
57	1/4/2013	Fabric			1	white			
57	1/4/2013	Glass			3	clear			
57	1/4/2013	Shell	clam		1	white			
58	1/4/2013	Ceramic	earthenware	sewer pipe	1		discarded		
58	1/4/2013	Ceramic	earthenware	sewer pipe?	1	buff	brown slip on both sides		
58	1/4/2013	Ceramic	refined earthenware	rim	1	white	blue decoration on one side	c.1780	early 20th C.
58	1/4/2013	Glass		curved	1	amber		c.1860	present
58	1/4/2013	Metal	iron	nail	1		1 1/4" length		
59	1/4/2013	Ceramic	pearlware		1	white		1779	1820+
60	1/4/2013	Wood		pencil	1	green and white	painted "NY10314"	1980	present
61	1/13/2013	Ceramic	earthenware		1	buff	yellow glaze	1720s	1770s
61	1/13/2013	Glass		flat	1	clear			
62	1/16/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present
62	1/16/2013	Ceramic	ironstone	rim	1	white	scalloped edge	1780s	1840

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
62	1/16/2013	Ceramic		kiln prop	1	white	stilt; cross-hatch pattern two sides, 1 with "30" or "50" mark		
62	1/16/2013	Glass		bottle neck and finish	1	clear			
63	1/10/2013	Ceramic	pearlware		1	white	hand painted blue line on interior and rim edge	c.1790	1890
63	1/10/2013	Ceramic	refined earthenware	rim	1	white	spall		
63	1/10/2013	Ceramic	refined earthenware		1	white	spall; brown band at rim	1790s	c.1810
63	1/10/2013	Ceramic	stoneware		1	buff/gray	brown slip interior; light brown glaze exterior	c.1800	present
64	1/11/2013	Ceramic	pearlware		1	white	spall; hand painted brown and green design on one side	c.1795	1820s
64	1/11/2013	Ceramic	stoneware		1	buff	brown slip interior	c.1800	present
64	1/11/2013	Glass		curved	3	aqua			
64	1/11/2013	Glass		flat	3	clear			
64	1/11/2013	Stone	sandstone		1	red	possibly worked Native American artifact		
65	1/10/2013	Ceramic	ironstone		2	white	mends	early 19th C.	present
65	1/10/2013	Ceramic	pearlware	base	1	white	blue transfer print on interior	1795	1840
65	1/10/2013	Ceramic	pearlware		1	white		1779	1820+
65	1/10/2013	Ceramic	redware		1	red	clear glaze on both sides	1830	1900+
65	1/10/2013	Glass		curved	1	clear			
65	1/10/2013	Glass		curved	1	green		c.1865	present
65	1/10/2013	Glass		flat	1	clear			
65	1/10/2013	Metal	copper	shell casing	1				
66	1/10/2013	Ceramic	pearlware		2	white	mends	1779	1820+
66	1/10/2013	Glass		curved	2	green		c.1865	present
66	1/10/2013	Glass		curved	1	clear			
66	1/10/2013	Metal	lead	handle	1		3" length		
67	1/9/2013	Ceramic	pearlware		1	white	spall	1779	1820+
67	1/9/2013	Ceramic	refined earthenware		2	white	spall		
67	1/9/2013	Glass		flat	1	green		c.1865	present
68	1/11/2013	Ceramic	pearlware	rim	1	white	spall	1779	1820+
68	1/11/2013	Ceramic	pearlware		1	white	blue transfer print on both sides	1795	1840
68	1/11/2013	Ceramic	refined earthenware		1	white	spall		
69	1/11/2013	Glass		base	1	clear	embossed "WT CO"	1867	present
69	1/11/2013	Glass		lid	1	clear			

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
70	1/11/2013	Ceramic	pearlware		1	white		1779	1820+
71	1/11/2013	Bone	faunal		1				
71	1/11/2013	Ceramic	pearlware		1	white		1779	1820+
71	1/11/2013	Ceramic	redware		1	red	brown glaze on both sides	1775	1900
71	1/11/2013	Ceramic	refined earthenware		1	white	waster; burned on one side		
72	1/7/2013	Ceramic	earthenware	sewer pipe	2		discarded		
72	1/7/2013	Ceramic	pearlware	rim	1	white	blue shell edge	1780s	1840
72	1/7/2013	Ceramic	pearlware		5	white		1779	1820+
72	1/7/2013	Metal	copper alloy	handle	1				
73	1/17/2013	Ceramic	pearlware		1	white		1779	1820+
73	1/17/2013	Ceramic	stoneware		1	buff	clear glaze on exterior; brown slip on interior	c.1800	present
73	1/17/2013	Metal	copper/nickel alloy	coin	1		dime; 1990?	1990?	1990?
74	1/17/2013	Ceramic	stoneware		2	gray	clear glaze exterior; brown slip interior	c.1800	present
74	1/17/2013	Ceramic	stoneware		1	buff	clear glaze exterior; brown slip interior	c.1800	present
74	1/17/2013	Glass		flat	2	clear			
75	2/6/2013	Glass		base and body	1	clear	embossed (cursive) "Cantrell Cochrane" "Cantrell Cochrane"; on base "C.&C./28N"	1869	early 20th C.
75	2/6/2013	Glass		curved	4	clear			
76	2/17/2013	Ceramic	refined earthenware		1	white			
77	2/20/2013	Ceramic	stoneware		1	buff	clear glaze exterior; brown slip interior	c.1800	present
78	2/21/2013	Glass		curved	1	clear	devitrified; embossed "...DFAR"	1867	present
79	2/26/2013	Metal	iron	nail	1		3" length		
80	2/28/2013	Bone	faunal		2		saw cut		
80	2/28/2013	Glass		base	1	aqua			
80	2/28/2013	Glass		bottle body	1	green	embossed "SCH"	1867	present
80	2/28/2013	Glass		curved	3	amber		c.1860	present
80	2/28/2013	Glass		curved	1	aqua			
80	2/28/2013	Glass		neck and finish	1	aqua	rounded lip; devitrified		
81	3/5/2013	Ceramic	pearlware		3	white		1779	1820+
81	3/5/2013	Ceramic	refined earthenware		1	white	blue and light blue decoration	1818	1867
83	3/6/2013	Bone	faunal		1		saw cut		
83	3/6/2013	Bone	faunal		2				

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83	3/6/2013	Glass		curved	1	clear			
84	3/5/2013	Ceramic	pearlware		1	white		1779	1820+
84	3/5/2013	Glass		curved	1	green		c.1865	present
85	3/5/2013	Metal	iron	nail	1		corroded; 1 1/2" length		
86	3/5/2013	Shell	oyster		4				
87	3/11/2013	Ceramic	pearlware		1			1779	1820+
88	3/11/2013	Bone	faunal		7				
88	3/11/2013	Bone	faunal		10		scrap		
89	3/11/2013	Ceramic	stoneware		1	gray/buff	clear glazed exterior	1720s	present
90	3/12/2013	Ceramic		tile	2	gray			
90	3/12/2013	Glass		bottle body	1	clear	embossed "...AR...I...ER"	1867	present
91	3/13/2013	Ceramic	earthenware	rim and body	1	buff	Rockingham/Mocha type exterior	c.1850	1900
91	3/13/2013	Glass		flat	2	clear			
92	3/15/2013	Bone	faunal		1		saw cut; mammal		
92	3/15/2013	Ceramic	refined earthenware	rim	1	white			
93	3/13/2013	Bone	faunal		1		saw cut; mammal		
93	3/13/2013	Ceramic	ball clay	smoking pipe	2	white			
94	3/13/2013	Ceramic	ironstone		1	white		early 19th C.	present
95	3/13/2013	Bone	faunal		4				
95	3/13/2013	Bone	faunal		5		scrap		
95	3/13/2013	Ceramic	stoneware		1	gray	brown slip interior; clear glaze exterior	c.1800	present
95	3/13/2013	Shell	clam		1				
95	3/13/2013	Wood		button	1		5 hole		
96	3/13/2013	Glass		curved	1	aqua	embossed "...C. BL...W YO..."	1867	present
97	3/13/2013	Bone	faunal		4		scrap		
97	3/13/2013	Ceramic	redware		1	red	brown glaze on one side	1775	1900
97	3/13/2013	Ceramic	stoneware		1	gray	brown glaze on one side	1820	present
97	3/13/2013	Glass		curved	1	green		c.1865	present
97	3/13/2013	Mortar			1	white			
98	3/13/2013	Glass		curved	2	amber		c.1860	present
98	3/13/2013	Glass		flat	1	amber		c.1860	present

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
99	3/13/2013	Ceramic	refined earthenware		1	white	gray glaze on one side		
100	3/14/2013	Bone	faunal		1		mammal		
101	3/14/2013	Bone	faunal		1				
101	3/14/2013	Glass		base	1	dark green	vent mark; 2 3/4" diameter	c.1867	1920s
101	3/14/2013	Glass		curved	12	dark green		c.1865	present
101	3/14/2013	Glass		flat	1	clear			
101	3/14/2013	Metal	iron	nail	1		2 3/4" length		
101	3/14/2013	Metal	iron		1		corroded; 11 3/4" length		
102	3/18/2013	Bone	faunal		1		mammal		
103	3/18/2013	Bone	faunal		3				
103	3/18/2013	Bone	faunal		2		scrap		
103	3/18/2013	Ceramic	pearlware		1	white		1779	1820+
104	3/18/2013	Ceramic		tile	2	gray			
105	3/19/2013	Bone	faunal		3		mammal		
105	3/19/2013	Ceramic	pearlware		1	white	blue transfer print with tree on interior	1795	1840
105	3/19/2013	Ceramic	refined earthenware		1	white			
105	3/19/2013	Metal	iron	nail	1		corroded; 4 1/4" length		
106	3/20/2013	Ceramic	porcelain		1	white	embossed decoration with flower and leaf on exterior		
106	3/20/2013	Ceramic	porcelain		1	white	glazed on one side		
106	3/20/2013	Ceramic	refined earthenware	rim	1	white			
106	3/20/2013	Metal	iron	nail	1		corroded; 1 3/4" length		
106	3/20/2013	Metal	iron		1		corroded		
107	3/21/2013	Bone	faunal		1		large mammal		
107	3/21/2013	Bone	faunal		1		saw cut; large mammal		
107	3/21/2013	Ceramic	porcelain		1	white			
107	3/21/2013	Ceramic	stoneware		1	buff	clear glaze on both sides; impressed on exterior	1720s	present
107	3/21/2013	Glass		curved	1	blue	mold seam	1867	present
108	3/22/2013	Ceramic	refined earthenware	rim	1	white			
108	3/22/2013	Shell	oyster		3				
109	3/22/2013	Glass		curved	1	white	milk glass	1890s	1960s+
109	3/22/2013	Glass		curved	1	dark green		c.1865	present

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
110	3/23/2013	Ceramic	ironstone		1	white	burned	early 19th C.	present
110	3/23/2013	Ceramic	pearlware	base	1	white		1779	1820+
110	3/23/2013	Ceramic	refined earthenware		1	white			
110	3/23/2013	Ceramic	refined earthenware		1	white	light blue glaze with 2 black stripes on exterior	1790s	1810
110	3/23/2013	Ceramic	refined earthenware		1	white	blue transfer print with mountains on interior	1795	1840
110	3/23/2013	Glass		flat	1	green	embossed "L..."	1867	present
111	3/23/2013	Ceramic	porcelain	rim	1	white			
111	3/23/2013	Glass		base	2	clear	devitrified		
111	3/23/2013	Glass		base	1	dark green	vent mark; 3 3/4" diameter	c.1867	1920s
111	3/23/2013	Glass		base	1	amber	vent mark; 3" diameter	c.1867	1920s
111	3/23/2013	Glass		base	1	green	valve mark; devitrified	late 19th C.	c.1930
111	3/23/2013	Glass		base	1	green	vent mark; 3" diameter	c.1867	1920s
111	3/23/2013	Glass		base	1	clear	devitrified		
111	3/23/2013	Glass		base	1	amber	mouth-blown		
111	3/23/2013	Glass		base and body	1	amber	2 3/4" diameter	c.1860	present
111	3/23/2013	Glass		bottle base	2	clear	mends; devitrified		
111	3/23/2013	Glass		bottle neck and finish	1	green	flat lip; devitrified	c.1865	present
111	3/23/2013	Glass		curved	6	amber	devitrified	c.1860	present
111	3/23/2013	Glass		curved	4	light amber	devitrified	c.1860	present
111	3/23/2013	Glass		curved	2	green	devitrified	c.1865	present
111	3/23/2013	Glass		curved	9	green		c.1865	present
111	3/23/2013	Glass		curved	4	dark green		c.1865	present
111	3/23/2013	Glass		curved	1	clear			
111	3/23/2013	Glass		curved	5	clear	devitrified		
111	3/23/2013	Glass		curved	2	green	devitrified	c.1865	present
112	3/26/2013	Botanical	wood		1				
112	3/26/2013	Ceramic	stoneware		1	buff	clear glaze on both sides	1720s	present
112	3/26/2013	Glass		curved	1	green		c.1865	present
113	3/26/2013	Ceramic	refined earthenware	rim	1	white			
113	3/26/2013	Slag			1				

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
114	3/27/2013	Glass		bottle	1	clear	embossed "2 FL. OZS" on base, "2180/K(inside geometric shape)/5" height 3 1/2", diameter 1"; 3 sided; 2 mold seams; 2 concave mold seams down flat side	1867	present
115	3/27/2013	Bone	faunal		1				
116	3/27/2013	Bone	faunal		1		saw cut		
116	3/27/2013	Bone	faunal		1				
116	3/27/2013	Ceramic	pearlware		1	white	light blue decoration on one side	1780	early 20th C.
116	3/27/2013	Glass		base	1	clear			
116	3/27/2013	Glass		bottle base	1	amber	embossed "...WORKS/131(inside diamond shape)"; vent mark	1867	1920s
117	3/27/2013	Bone	faunal		1		saw cut		
117	3/27/2013	Bone	faunal		9				
117	3/27/2013	Bone	faunal		2		scrap		
118	3/27/2013	Ceramic	ball clay	pipe stem	1	white	impressed lines; maker's mark "PETER/DORN..."	post 1850 (1891?)	
118	3/27/2013	Ceramic	ball clay	pipe stem	1	white			
118	3/27/2013	Glass		curved	1	clear	embossed circular emblem	1867	present
119	3/27/2013	Glass		flat	1	clear	frosted		
120	3/27/2013	Ceramic	porcelain		1	white			
121	3/29/2013	Glass		base and body	1	clear	embossed "ERED." on body	1867	present
121	3/29/2013	Glass		curved	1	amber		c.1860	present
122	3/9/2013	Glass			1	clear	melted		
123	3/29/2013	Glass		curved	5	amber		c.1860	present
124	3/29/2013	Bone	faunal		2		saw cut		
124	3/29/2013	Ceramic	porcelain	rim	1	white			
124	3/29/2013	Glass		curved	1	green		c.1865	present
125	4/1/2013	Ceramic	ball clay	smoking pipe	1	white			
125	4/1/2013	Ceramic	earthenware	sewer pipe	1	buff	brown slip on exterior		
125	4/1/2013	Ceramic	pearlware		5	white		1779	1820+
125	4/1/2013	Ceramic	pearlware		1	white	green hand painted partial decoration on one side	1779	1820+
125	4/1/2013	Ceramic	porcelain		1	white	burned		
125	4/1/2013	Ceramic	refined earthenware		2	white	spall		
125	4/1/2013	Ceramic	refined earthenware		1	white	blue transfer print on one side	1795	1840

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
125	4/1/2013	Ceramic	refined earthenware		1	buff	clear glaze on both sides		
125	4/1/2013	Coal			1				
125	4/1/2013	Glass		base and body	1	clear	embossed base "B" encircled	1867	present
125	4/1/2013	Glass		curved	2	clear	devitrified		
125	4/1/2013	Glass		curved	1	amber		c.1860	present
125	4/1/2013	Glass		finish and shoulder	1	clear	patent lip; devitrified	late 19th C.	early 20th C.
125	4/1/2013	Glass		flat	2	clear			
125	4/1/2013	Glass			1	clear	melted		
125	4/1/2013	Mortar			1	white			
125	4/1/2013	Unknown			1		tempered; possibly ceramic or cement		
126	4/2/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present
126	4/2/2013	Ceramic	ironstone		1	white		early 19th C.	present
126	4/2/2013	Ceramic	pearlware	base	1	white		1779	1820+
126	4/2/2013	Ceramic	pearlware		8	white	spall	1779	1820+
126	4/2/2013	Ceramic	porcelain		1	white			
126	4/2/2013	Ceramic	redware	base	1	red	flower pot	1725	present
126	4/2/2013	Ceramic	redware	rim	5	red	flower pot	1725	present
126	4/2/2013	Ceramic	redware		5	red	flower pot	1725	present
126	4/2/2013	Ceramic	redware		1	red		c.1725	present
126	4/2/2013	Ceramic	refined earthenware	rim	1	white	blue transfer print on both sides	c.1780	early 20th C.
126	4/2/2013	Ceramic	refined earthenware		1	white	unglazed		
126	4/2/2013	Glass		curved	2	green		c.1865	present
126	4/2/2013	Glass		flat	2	clear			
127	4/2/2013	Ceramic	pearlware	rim	1	white		1779	1820+
127	4/2/2013	Ceramic	redware	base	2	red	flower pot	1725	present
127	4/2/2013	Ceramic	redware	rim	1	red	flower pot	1725	present
127	4/2/2013	Ceramic	redware		3	red	flower pot	1725	present
128	4/2/2013	Botanical	wood		1		painted white on one side; 8 1/2"length; 1/2" width		
128	4/2/2013	Ceramic	earthenware		1	buff	clear glaze on one side	1750	1900
128	4/2/2013	Ceramic	pearlware	base	1	white	blue decoration on interior	1779	1820+
128	4/2/2013	Ceramic	redware	base	1	red	flower pot	1725	present

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
128	4/2/2013	Ceramic	redware	rim	2	red	flower pot	1725	present
128	4/2/2013	Ceramic	redware		6	red	flower pot	1725	present
128	4/2/2013	Ceramic	refined earthenware		1	white	spall; blue decoration on one side		
128	4/2/2013	Ceramic		kiln furniture	2	white	stilts; cross-hatch pattern		
128	4/2/2013	Glass		curved	1	clear			
128	4/2/2013	Glass		flat	1	clear			
129	4/2/2013	Ceramic	pearlware	rim	1	white		1779	1820+
129	4/2/2013	Ceramic	porcelain		1	white			
129	4/2/2013	Ceramic	refined earthenware	rim	1	white	spall; blue decoration on one side		
129	4/2/2013	Ceramic	refined earthenware		1	white	unglazed		
129	4/2/2013	Ceramic	refined earthenware		1	white	spall; blue decoration on one side		
130	4/2/2013	Ceramic	redware		1	red	flower pot	1725	present
130	4/2/2013	Ceramic	redware		1	red	flower pot	1725	present
130	4/2/2013	Glass		curved	1	green		c.1865	present
130	4/2/2013	Glass		flat	1	clear	white paint on one side		
130	4/2/2013	Metal	iron	boot fastener	1				
130	4/2/2013	Rubber		boot	1		1.3' length		
131	4/2/2013	Ceramic	redware	rim	2	red	flower pot; mends	1725	present
131	4/2/2013	Glass		base	1	clear	embossed "L" on base	1867	present
131	4/2/2013	Plastic	pvc	pipe	1	gray			
132	4/3/2013	Bone	faunal		1		saw cut; mammal		
132	4/3/2013	Ceramic	porcelain	base	1	white			
132	4/3/2013	Ceramic	stoneware		1	gray	clear glaze on exterior; brown slip on interior	c.1800	present
132	4/3/2013	Glass		base and body	1	green		c.1865	present
133	4/4/2013	Ceramic	earthenware	sewer pipe	1	buff	brown slip on both sides		
133	4/4/2013	Ceramic	stoneware	base	1	buff	white glaze on both sides	1720s	present
133	4/4/2013	Ceramic	stoneware		1	buff	incised with cobalt blue decoration on exterior; clear glaze on both sides	c.1790	c.1900
133	4/4/2013	Ceramic	stoneware		1	buff	clear glaze on both sides	1720s	present
133	4/4/2013	Ceramic	stoneware		2	buff	clear glaze on exterior	1720s	present
133	4/4/2013	Glass		base	1	green	vent mark	c.1867	1920s
133	4/4/2013	Glass		curved	5	green		c.1865	present

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133	4/4/2013	Glass		curved	3	amber		c.1860	present
133	4/4/2013	Glass		curved	1	amber	frosted	c.1860	present
133	4/4/2013	Glass		curved	1	clear	embossed diamond pattern	1867	present
133	4/4/2013	Glass		flat	3	clear			
133	4/4/2013	Glass		partial base	1	light green	round bottom; embossed "...N..." on body	1840s	1910s
134	4/5/2013	Bone	faunal		1		saw cut; mammal		
135	4/8/2013	Bone	faunal		1		scrap		
135	4/8/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present
135	4/8/2013	Ceramic	ironstone	spout?	1	white	burned	early 19th C.	present
135	4/8/2013	Ceramic	porcelain	base	2	white			
135	4/8/2013	Ceramic	stoneware	base and body	1	buff	clear glaze on both sides	1720s	present
135	4/8/2013	Ceramic	stoneware	rim	1	buff	unglazed	1720s	present
135	4/8/2013	Ceramic	stoneware		1	buff	clear glaze on exterior	1720s	present
135	4/8/2013	Ceramic	stoneware		1	buff	clear glaze on exterior	1720s	present
135	4/8/2013	Ceramic	stoneware		3	gray	brown glaze on exterior	1820	present
135	4/8/2013	Glass		base	1	dark green		c.1865	present
135	4/8/2013	Glass		base	1	aqua	devitrified		
135	4/8/2013	Glass		base	1	aqua	vent mark; diameter 2 3/4"; devitrified	c.1867	1920s
135	4/8/2013	Glass		base	1	blue	devitrified	1890s	1960s
135	4/8/2013	Glass		base	1	green	vent mark	c.1867	c.1920s
135	4/8/2013	Glass		base	1	green		c.1865	present
135	4/8/2013	Glass		base	1	green	vent mark; 2 3/4" diameter	c.1867	1920s
135	4/8/2013	Glass		base	1	green	devitrified	c.1865	present
135	4/8/2013	Glass		base	1	amber	devitrified	c.1860	present
135	4/8/2013	Glass		base	1	amber	devitrified; vent mark	c.1867	1920s
135	4/8/2013	Glass		base	1	aqua	devitrified; vent mark; 3" diameter	c.1867	1920s
135	4/8/2013	Glass		base	1	clear	devitrified; 2 3/4" diameter		
135	4/8/2013	Glass		base	1	green	vent mark; 3" diameter	c.1867	1920s
135	4/8/2013	Glass		base	1	aqua	devitrified		
135	4/8/2013	Glass		base	1	dark green	vent mark; 3" diameter	c.1867	1920s
135	4/8/2013	Glass		base	1	dark amber	vent mark; 2 3/4" diameter	c.1867	1920s

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
135	4/8/2013	Glass		base	1	dark amber	vent mark; 2 1/2" diameter	c.1867	1920s
135	4/8/2013	Glass		base	1	green	vent mark	c.1867	1920s
135	4/8/2013	Glass		base	1	aqua	devitrified; vent mark	c.1867	1920s
135	4/8/2013	Glass		base	1	green	devitrified; vent mark; 3 1/2" diameter	c.1867	1920s
135	4/8/2013	Glass		base	1	green	vent mark	c.1867	1920s
135	4/8/2013	Glass		base	2	green		c.1865	present
135	4/8/2013	Glass		base and body	1	aqua	round bottom; embossed "Cork... B ...A... E/COCHRANE" "... E.../...R..."; "DUBLIN & BELFAST" (on base); devitrified	1869	early 20th C.
135	4/8/2013	Glass		base and body	1	green	2 3/4" diameter; hand blown; pontil mark		
135	4/8/2013	Glass		base and body	1	aqua	melted; embossed "CONT...12 FL"	1867	present
135	4/8/2013	Glass		base and body	1	green	vent mark; 3" diameter	c.1867	1920s
135	4/8/2013	Glass		base and body	1	green	devitrified	c.1865	present
135	4/8/2013	Glass		base and body	1	dark green	vent mark; 2 3/4" diameter	c.1867	1920s
135	4/8/2013	Glass		curved	2	green		c.1865	present
135	4/8/2013	Glass		curved	1	green	devitrified	c.1865	present
135	4/8/2013	Glass		curved	2	aqua			
135	4/8/2013	Glass		curved	14	clear			
135	4/8/2013	Glass		curved	32	green		c.1865	present
135	4/8/2013	Glass		curved	12	green	devitrified	c.1865	present
135	4/8/2013	Glass		curved	9	amber		c.1860	present
135	4/8/2013	Glass		curved	18	amber	devitrified	c.1860	present
135	4/8/2013	Glass		curved	41	clear	devitrified		
135	4/8/2013	Glass		curved	1	clear	devitrified; embossed "...THAT.../...N TRE..."	1867	present
135	4/8/2013	Glass		curved	7	clear	devitrified		
135	4/8/2013	Glass		curved	1	amber	devitrified	c.1860	present
135	4/8/2013	Glass		curved	3	amber		c.1860	present
135	4/8/2013	Glass		curved	5	amber	devitrified	c.1860	present
135	4/8/2013	Glass		curved	4	clear	devitrified		
135	4/8/2013	Glass		curved	1	aqua			
135	4/8/2013	Glass		curved	1	aqua	mold seams; embossed "...ER A/ ...B"	1867	present
135	4/8/2013	Glass		curved	1	clear	embossed "...TOR..."	1867	present
135	4/8/2013	Glass		curved	1	aqua	devitrified		

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
135	4/8/2013	Glass		curved	1	dark green		c.1867	present
135	4/8/2013	Glass		curved	3	green		c.1865	present
135	4/8/2013	Glass		curved	8	green	devitrified	c.1865	present
135	4/8/2013	Glass		curved	4	clear	devitrified		
135	4/8/2013	Glass		curved	1	clear			
135	4/8/2013	Glass		curved	9	green	devitrified	c.1865	present
135	4/8/2013	Glass		curved	13	green		c.1865	present
135	4/8/2013	Glass		finish and neck	1	dark amber		c.1860	present
135	4/8/2013	Glass		finish and neck	2	amber	flat lip	c.1860	present
135	4/8/2013	Glass		finish and neck	1	clear	devitrified; flat side lip		
135	4/8/2013	Glass		finish and neck	1	green	sloped top lip	c.1865	present
135	4/8/2013	Glass		finish and neck	1	light green	devitrified; sloped top lip	c.1865	present
135	4/8/2013	Glass		finish and neck	1	green		c.1865	present
135	4/8/2013	Glass		finish and neck	2	green	two-part finish	c.1865	present
135	4/8/2013	Glass		finish and shoulder	1	amber	down-tooled lip	c.1860	present
135	4/8/2013	Glass		finish and shoulder	1	clear	two-part finish		
135	4/8/2013	Glass		flat	7	clear			
135	4/8/2013	Glass		flat	1	clear			
135	4/8/2013	Glass		neck and finish	1	green	sloped top lip	c.1865	present
136	4/3/2013	Glass		bottle lip	1	amber		c.1860	present
136	4/3/2013	Glass		curved	1	amber		c.1860	present
136	4/3/2013	Glass		curved	1	aqua			
136	4/3/2013	Glass		curved	1	clear			
136	4/3/2013	Glass		curved	2	green		c.1865	present
136	4/3/2013	Glass		flat	1	blue		1890s	1960s
136	4/3/2013	Mortar			2	white			
136	4/3/2013	Plastic		curved	1	purple		1927	present
136	4/3/2013	Plastic		curved	1	white		1927	present
136	4/3/2013	Plastic		curved	1	clear		1927	present
136	4/3/2013	Plastic		curved	1	gray		1927	present
136	4/3/2013	Plastic		rim	1	black		1927	present

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
136	4/3/2013	Plastic		rim	1	pink		1927	present
136	4/3/2013	Plastic			1	green and clear	"...ICA..."	1927	present
136	4/3/2013	Stone	marble		1	white			
137	4/4/2013	Bone	faunal		1		burned		
137	4/4/2013	Bone	faunal		2				
137	4/4/2013	Ceramic	ball clay	pipe stem	1	white			
137	4/4/2013	Ceramic	earthenware	rim	2	gray	incised		
137	4/4/2013	Ceramic	ironstone		1	white	burned; maker's mark "...STONE/...NA/... POTTERY"	c.1800	c.1854
137	4/4/2013	Ceramic	pearlware	base	1	white		1779	1820+
137	4/4/2013	Ceramic	pearlware		2	white		1779	1820+
137	4/4/2013	Ceramic	stoneware		1	buff	brown slip one side, clear glaze on one side	c.1800	present
137	4/4/2013	Ceramic		tile	2	yellow			
137	4/4/2013	Glass		curved	8	white	milk glass	1890s	1960s
137	4/4/2013	Glass		curved	5	clear			
137	4/4/2013	Glass		curved	1	clear	frosted		
137	4/4/2013	Glass		curved	1	amber	devitrified	c.1860	present
137	4/4/2013	Glass		curved	3	amber		c.1860	present
137	4/4/2013	Glass		curved	1	green		c.1865	present
137	4/4/2013	Glass		curved	1	clear	embossed "... .PAT. ..."	1867	present
137	4/4/2013	Glass		curved	1	clear	embossed "...LC.../...W..."	1867	present
137	4/4/2013	Glass		curved	1	clear	embossed "...TRADE.../...BOTTLE"	1867	present
137	4/4/2013	Glass		curved	1	clear	embossed (illegible)	1867	present
137	4/4/2013	Glass		flat	1	white	milk glass	1890s	1960s
137	4/4/2013	Glass		flat	2	clear			
137	4/4/2013	Glass		flat	1	clear	textured star pattern on one side		
137	4/4/2013	Glass		marble	1	green		1901	present
137	4/4/2013	Glass		rim	2	clear			
137	4/4/2013	Metal	alloy	button	1		embossed design; very corroded		
137	4/4/2013	Metal	brass	hinge	1				
137	4/4/2013	Metal	iron	nail	1		corroded; 1" length		
137	4/4/2013	Plastic		button	3	white	4 hole; opalescent		

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
137	4/4/2013	Plastic		button	1	white	2 hole		
137	4/4/2013	Plastic		button	1	white	1 hole; impressed circular design		
137	4/4/2013	Plastic		cap rim	2	red		1927	present
137	4/4/2013	Plastic		coffee stirrer	1	black		c.1940	present
137	4/4/2013	Plastic		comb	1	black		c.1940	present
137	4/4/2013	Plastic		handle	1	pink		1927	present
137	4/4/2013	Plastic		rim	1	black		1927	present
137	4/4/2013	Plastic		rim	1	white		1927	present
138	4/4/2013	Bone	faunal		2				
138	4/4/2013	Bone	faunal		5		scrap		
138	4/4/2013	Ceramic	ball clay	pipe stem	1	white			
138	4/4/2013	Ceramic	ball clay	smoking pipe bowl	1	white			
138	4/4/2013	Ceramic	ironstone	base	1	white		early 19th C.	present
138	4/4/2013	Ceramic	pearlware		1	white		1779	1820+
138	4/4/2013	Ceramic	porcelain	tile	1		octagon shape		
138	4/4/2013	Ceramic	porcelain		1	white			
138	4/4/2013	Glass		base	1	clear	2 1/4" diameter		
138	4/4/2013	Glass		curved	11	white	milk glass	1890s	1960s
138	4/4/2013	Glass		curved	1	clear	frosted		
138	4/4/2013	Glass		curved	1	clear	frosted; amber stripe		
138	4/4/2013	Glass		curved	1	clear			
138	4/4/2013	Glass		curved	1	aqua	embossed "...B..."	1867	present
138	4/4/2013	Glass		curved	4	amber		c.1860	present
138	4/4/2013	Glass		flat	2	white	milk glass	1890s	1960s
138	4/4/2013	Glass		flat	1	clear			
138	4/4/2013	Glass		flat	1	clear	devitrified		
138	4/4/2013	Glass		marble	1	amber		1901	present
138	4/4/2013	Metal	iron	nail	1		corroded; fragment	c.1890	present
138	4/4/2013	Metal	iron	pipe joint	1		corroded		
138	4/4/2013	Metal	iron		1		circular; 3 1/4" diameter; corroded		
138	4/4/2013	Other	tar paper		1		burned		

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
138	4/4/2013	Stone	graphite	cylindrical	1	black	1" length		
139	4/9/2013	Bone	faunal		2				
139	4/9/2013	Bone	faunal		2		scrap		
139	4/9/2013	Ceramic	ball clay	pipe stem	1	white			
139	4/9/2013	Ceramic	refined earthenware		1	white	spall; blue glaze on one side		
139	4/9/2013	Ceramic	refined earthenware		1	white	spall		
139	4/9/2013	Glass		curved	2	amber		c.1860	present
139	4/9/2013	Glass		curved	1	green		c.1865	present
139	4/9/2013	Glass		curved	2	white	lighting fixture	1890s	1960s+
139	4/9/2013	Glass		curved	1	clear			
139	4/9/2013	Glass		flat	1	clear			
139	4/9/2013	Metal	iron	nail	1		2 1/4" length		
139	4/9/2013	Metal	iron	nail	1		1 3/16" length		
139	4/9/2013	Mortar			1	white			
140	4/9/2013	Ceramic	redware		1	red	brown slip on both sides		
140	4/9/2013	Glass		curved	1	white	lighting fixture		
140	4/9/2013	Glass		curved	1	green	devitrified	c.1865	present
140	4/9/2013	Metal	brass	button?	1				
140	4/9/2013	Metal	iron	nail	1		approx. 2" length; corroded	c.1890	present
140	4/9/2013	Metal	iron	nail	1		1" length; corroded		
141	4/10/2013	Bone	faunal		1		mammal		
142	4/10/2013	Glass		bottle	1	clear	whole; medicine bottle; embossed on side "UNIVERSITY_PL./PHARMACY/GEO._INNESS" on base "W...D"; 2 3/4" height, 1 1/4" x 3/4" diameter	c.1867	present
143	4/10/2013	Metal	iron	fastner	1		8" length; 1/2" width		
143	4/10/2013	Metal	iron	sliding bolt	1		8 1/2" length; 1/4" width		
144	4/10/2013	Bone	faunal		1				
144	4/10/2013	Bone	faunal		1		scrap		
144	4/10/2013	Ceramic	pearlware		1	white		1779	1820+
144	4/10/2013	Ceramic	porcelain		1	white			
145	4/9/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present
145	4/9/2013	Ceramic	pearlware	base	1	white	black floral transfer print on interior	1785	1867

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
145	4/9/2013	Ceramic	pearlware		1	white	black floral transfer print on one side	1785	1867
145	4/9/2013	Ceramic	salt glazed stoneware	base	1	white		c.1720	1805
145	4/9/2013	Glass		curved	1	dark amber		c.1860	present
145	4/9/2013	Glass		curved	1	clear			
145	4/9/2013	Glass		curved	1	amber		c.1860	present
145	4/9/2013	Glass		finish to shoulder	1	aqua	prescription lip	late 19th C.	early 20th C.
146	4/10/2013	Bone	faunal		1		saw cut; large mammal		
146	4/10/2013	Bone	faunal		1				
146	4/10/2013	Bone	faunal		2		scrap		
146	4/10/2013	Ceramic	porcelain	base	1				
146	4/10/2013	Ceramic	redware	base and body	1	red	flower pot	1725	present
146	4/10/2013	Ceramic	redware		1	red	flower pot	1725	present
146	4/10/2013	Ceramic	stoneware	handle	1	buff	clear and blue glaze on exterior; clear glaze on interior	1720s	present
146	4/10/2013	Ceramic	stoneware		1	gray	clear glaze on exterior	1720s	present
146	4/10/2013	Glass		bottle base and body	1	clear	embossed "CAP 7 OZ."	1867	present
146	4/10/2013	Glass		curved	2	aqua			
146	4/10/2013	Glass		curved	1	clear	devitrified		
146	4/10/2013	Glass		curved	1	blue		1890s	1960s
146	4/10/2013	Glass		curved	1	dark amber		c.1860	present
146	4/10/2013	Glass		curved	1	aqua		c.1860	present
146	4/10/2013	Glass		curved	1	amber	"...S & EMP..."/...OTCHKISS/(illegible emblem)"/	1867	present
146	4/10/2013	Glass		flat	1	clear			
146	4/10/2013	Glass			3	clear			
146	4/10/2013	Linoleum		tile	2	green			
146	4/10/2013	Plastic	pvc	pipe	1	gray			
147	4/11/2013	Bone	faunal		1		saw cut; large mammal		
147	4/11/2013	Bone	faunal		1		saw cut; mammal		
147	4/11/2013	Bone	faunal		2				
147	4/11/2013	Bone	faunal		1		scrap		
147	4/11/2013	Ceramic	ball clay	pipe stem and mouth piece	1	white	impressed "NEW..." "ANN & ..." with design		

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
147	4/11/2013	Ceramic	pearlware	base	3	white		1779	1820+
147	4/11/2013	Ceramic	pearlware		1	white		1779	1820+
147	4/11/2013	Ceramic	porcelain	rim	1	white			
147	4/11/2013	Ceramic	soft paste porcelain	plate rim and base	1	white			
147	4/11/2013	Ceramic	stoneware		2	gray/buff	light brown glaze on exterior; clear glaze on interior	1820	present
148	4/12/2013	Ceramic	earthenware	base	1	buff	tin glaze; hand painted blue, purple, green, yellow, orange decoration on interior	c.1780	1830
149	4/12/2013	Ceramic	refined earthenware	rim	1	white	blue geometric transfer print on interior	c.1780	early 20th C.
149	4/12/2013	Ceramic	refined earthenware		1	white	blue transfer print on both sides	c.1780	early 20th C.
150	4/15/2013	Bone	faunal		1		saw cut; mammal		
150	4/15/2013	Bone	faunal		1				
150	4/15/2013	Ceramic	refined earthenware		1	white	spall		
150	4/15/2013	Ceramic		tile	1	gray			
151	4/15/2013	Bone	faunal		2		saw cut; mammal		
151	4/15/2013	Bone	faunal		2		mammal		
151	4/15/2013	Bone	faunal		6		scrap		
151	4/15/2013	Ceramic	pearlware	rim	1	white	blue shell edge on interior	1780s	1840s
151	4/15/2013	Glass		neck and finish	1	green		c.1865	present
152	4/17/2013	Bone	faunal		1		large mammal		
153	4/19/2013	Ceramic	pearlware		1	white		1779	1820+
153	4/19/2013	Ceramic	porcelain	rim	1	white			
154	4/23/2013	Ceramic	porcelain	base	1		mends; clear glaze on exterior		
155	4/22/2013	Ceramic	stoneware	base and body	1	buff	brown glaze on exterior	1720s	present
155	4/22/2013	Ceramic	stoneware		2	buff	brown glaze on exterior	1720s	present
155	4/22/2013	Glass		base	2	light green	vent mark; devitrified	c.1867	1920s
155	4/22/2013	Glass		base	1	green	vent mark; 2 3/4" diameter	c.1867	1920s
155	4/22/2013	Glass		base	1	dark amber	vent mark; devitrified	c.1867	1920s
155	4/22/2013	Glass		base	1	aqua	devitrified; 2 3/4" diameter		
155	4/22/2013	Glass		base	1	amber	embossed "M"; square with flat chamfered corners	1867	present
155	4/22/2013	Glass		base	1	green	vent mark	c.1867	1920s
155	4/22/2013	Glass		base and body	1	light green	vent mark; 3" diameter	c.1867	1920s
155	4/22/2013	Glass		base and body	1	dark green	vent mark; 3 3/8" diameter	c.1867	1920s

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
155	4/22/2013	Glass		curved	5	green		c.1865	present
155	4/22/2013	Glass		curved	3	amber		c.1860	present
155	4/22/2013	Glass		curved	1	dark amber	embossed "SAR..."	1867	present
155	4/22/2013	Glass		curved	3	green	devitrified	c.1865	present
155	4/22/2013	Glass		curved	2	clear	devitrified		
155	4/22/2013	Glass		curved	1	clear			
155	4/22/2013	Glass		neck and finish	2	green	devitrified; sloped top lip	c.1865	present
156	4/22/2013	Bone	faunal		1		saw cut; mammal		
157	4/23/2013	Ceramic	pearlware		2	white		1779	1820+
157	4/23/2013	Ceramic	stoneware	bottle finish	1	buff	brown glaze on exterior	1820	present
157	4/23/2013	Ceramic	stoneware		4	buff	brown glaze on exterior	1820	present
157	4/23/2013	Ceramic	stoneware		1	gray	brown glaze on interior and exterior	1820	present
157	4/23/2013	Ceramic	stoneware		1	buff	encircled mark or design with letters; incised "...RICH/... ARBEN/...URT^N"		
157	4/23/2013	Glass		base	1	green		c.1865	present
157	4/23/2013	Glass		base	1	green	vent mark	c.1867	1920s
157	4/23/2013	Glass		base	1	amber	vent mark; 2 3/4" diameter	c.1867	1920s
157	4/23/2013	Glass		base	1	dark green	square with rounded corners; 1 3/4" x 1 3/4"	c.1865	present
157	4/23/2013	Glass		base and body	1	aqua	round bottom; embossed "SEE THAT EACH CORK IS BRANDED/CANTRELL & COCHRANE"; "DUBLIN/&...LFAST" on base	1869	early 20th C.
157	4/23/2013	Glass		bottle lip	1	aqua	rounded		
157	4/23/2013	Glass		bottle lip and finish	1	clear	devitrified; flattened string rim	c.1770	1785
157	4/23/2013	Glass		curved	45	green		c.1865	present
157	4/23/2013	Glass		curved	13	amber		c.1860	present
157	4/23/2013	Glass		curved	5	clear			
157	4/23/2013	Glass		curved	1	aqua			
157	4/23/2013	Glass		curved	1	green	embossed "...AT"; devitrified	1867	present
158	4/24/2013	Bone	faunal		2		mammal		
158	4/24/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present
158	4/24/2013	Ceramic	porcelain	handle	1	white			
158	4/24/2013	Ceramic	stoneware		1	gray	brown slip on exterior	c.1800	present

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
158	4/24/2013	Ceramic	stoneware		1	buff	incised circular mark "...RIA-BRU..."	c.1790	c.1900
158	4/24/2013	Ceramic		tile	3	gray			
158	4/24/2013	Glass		curved	1	clear			
158	4/24/2013	Glass		curved	1	aqua	embossed illegible letter	1867	present
159	4/25/2013	Bone	faunal		6		scrap		
159	4/25/2013	Bone	faunal		2		saw cut; large mammal		
159	4/25/2013	Bone	faunal		5		mammal		
159	4/25/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present
159	4/25/2013	Ceramic	ironstone	rim	1	white	embossed decoration with bird on exterior	1820s	1840s
159	4/25/2013	Ceramic	ironstone	rim	2	white		early 19th C.	present
159	4/25/2013	Ceramic	ironstone		3	white		early 19th C.	present
159	4/25/2013	Ceramic	pearlware	base	2	white	mends	1779	1820+
159	4/25/2013	Ceramic	pearlware	base	1	white		1779	1820+
159	4/25/2013	Ceramic	pearlware	rim	1	white	embossed decoration on exterior	1820s	1840s
159	4/25/2013	Ceramic	pearlware		1	white		1779	1820+
159	4/25/2013	Ceramic	pearlware		1	white	blue decoration on exterior	1779	1820+
159	4/25/2013	Ceramic	pearlware		1	white	blue decoration with birds on one side	1779	1820+
159	4/25/2013	Ceramic	porcelain	base	1	white			
159	4/25/2013	Ceramic	porcelain	rim	1	white			
159	4/25/2013	Ceramic	refined earthenware	rim	1	white	green shell edge	c.1820	1840s
159	4/25/2013	Ceramic	refined earthenware	rim	1	white	green and black striped exterior		
159	4/25/2013	Ceramic	refined earthenware	rim and base	1	white	waster; unglazed		
159	4/25/2013	Ceramic	refined earthenware		2	white	spall		
159	4/25/2013	Ceramic	stoneware		1	buff	clear glaze on both sides	c.1775	1900
159	4/25/2013	Glass		base	1	amber	embossed on base "A (encircled) 43"		
159	4/25/2013	Glass		curved	2	clear			
159	4/25/2013	Glass		curved	2	green		c.1865	present
159	4/25/2013	Glass		curved	1	aqua	embossed "...Y"	1867	present
159	4/25/2013	Glass		curved	1	blue		1890s	1960s
159	4/25/2013	Glass		flat	1	green	textured on one side	c.1865	present
159	4/25/2013	Metal	iron		2		corroded		

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
160	4/29/2013	Bone	faunal		1		cut		
160	4/29/2013	Ceramic	earthenware		1	buff	mustard color glaze on exterior; clear glaze on interior	c.1830	1900
160	4/29/2013	Ceramic	ironstone	rim	2	white		early 19th C.	present
160	4/29/2013	Ceramic	ironstone		2	white	mends	early 19th C.	present
160	4/29/2013	Ceramic	ironstone		4	white		early 19th C.	present
160	4/29/2013	Ceramic	ironstone		1	white	burned	early 19th C.	present
160	4/29/2013	Ceramic	pearlware	base	1	white		1779	1820+
160	4/29/2013	Ceramic	pearlware	rim	1	white	embossed decoration on exterior	1820s	1840s
160	4/29/2013	Ceramic	pearlware	rim	1	white	embossed leaf decoration on exterior	1820s	1840s
160	4/29/2013	Ceramic	pearlware		2	white	mends; blue floral decoration on exterior	1785	1867
160	4/29/2013	Ceramic	pearlware		2	white		1779	1820+
160	4/29/2013	Ceramic	porcelain		1	white	blue transfer print on interior	1784	1864
160	4/29/2013	Ceramic	porcelain		1	white			
160	4/29/2013	Ceramic	redware	base	1	red	flower pot	1725	present
160	4/29/2013	Ceramic	redware	rim	1	red	flower pot	1725	present
160	4/29/2013	Ceramic	redware	rim and base	2	red	flower pot	1725	present
160	4/29/2013	Ceramic	redware		6	red	flower pot	1725	present
160	4/29/2013	Ceramic	refined earthenware		1	white	blue floral transfer print on one side; partial maker's mark "...BRO & .../MOORES & Co... on other side	1862	1904
160	4/29/2013	Ceramic	refined earthenware		1	white	spall		
160	4/29/2013	Ceramic	stoneware		1	buff	brown slip on both sides	c.1800	present
160	4/29/2013	Glass		base	1	clear			
160	4/29/2013	Glass		neck and finish	1	clear			
161	4/30/2013	Ceramic	ironstone		4	white		early 19th C.	present
161	4/30/2013	Ceramic	ironstone		1	white	gray and blue decoration with leaves on one side	early 19th C.	c.1815
161	4/30/2013	Ceramic	ironstone		1	white		early 19th C.	present
161	4/30/2013	Ceramic	pearlware	base	4	white		1779	1820+
161	4/30/2013	Ceramic	pearlware	base	2	white	blue geometric transfer print on interior	1784	mid 19th C.
161	4/30/2013	Ceramic	pearlware	base	1	white	blue decoration on interior	c.1780	early 20th C.
161	4/30/2013	Ceramic	pearlware	rim	1	white	clear glaze on one side ; waster	1779	1820+
161	4/30/2013	Ceramic	pearlware	rim	3	white		1779	1820+
161	4/30/2013	Ceramic	pearlware	rim	1	white	light blue transfer print both sides	1818	1867

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
161	4/30/2013	Ceramic	pearlware	rim	1	white	blue geometric transfer print on interior and exterior rim ; floral transfer print on exterior	1784	mid 19th C.
161	4/30/2013	Ceramic	pearlware		3	white		1779	1820+
161	4/30/2013	Ceramic	pearlware		2	white	light blue basket weave design impressed on exterior	1779	1820+
161	4/30/2013	Ceramic	redware		1	red	flower pot	1725	present
161	4/30/2013	Ceramic	redware		1	red	black slip both sides	c.1800	present
161	4/30/2013	Ceramic	refined earthenware	rim	1	white	blue shell edge interior	1780s	1840s
161	4/30/2013	Ceramic	refined earthenware	rim	1	white	green stripe on both sides	1790s	c.1815
161	4/30/2013	Ceramic	refined earthenware	rim	2	white	waster; unglazed		
161	4/30/2013	Ceramic	refined earthenware	rim and base	3	white	waster; unglazed		
161	4/30/2013	Ceramic	refined earthenware		1	white	waster; unfired; painted underglaze with bird		
161	4/30/2013	Ceramic	refined earthenware		1	white	waster; unglazed; basket weave on exterior		
161	4/30/2013	Ceramic	refined earthenware		4	white	spall		
161	4/30/2013	Ceramic	refined earthenware		1	white	blue floral transfer print on interior	c.1795	1840
161	4/30/2013	Ceramic	refined earthenware		1	white	blue transfer print both sides	c.1795	1840
161	4/30/2013	Ceramic	refined earthenware		1	white	light blue floral transfer print on interior	1818	1867
161	4/30/2013	Ceramic	stoneware		1	gray	brown slip exterior	c.1800	present
161	4/30/2013	Ceramic	stoneware		1	buff	clear glaze on both sides	1720s	present
161	4/30/2013	Ceramic		kiln furniture	1	white	cone		
161	4/30/2013	Glass		finish to shoulder	1	amber	devitrified; down tooled lip	c.1860	present
162	4/30/2013	Ceramic	pearlware	base	1	white		1779	1820+
162	4/30/2013	Ceramic	porcelain		1	white			
162	4/30/2013	Ceramic	redware		1	gray/red		c.1725	present
162	4/30/2013	Ceramic	refined earthenware		1	white	blue glaze one side		
162	4/30/2013	Glass		curved	1	aqua			
163	4/30/2013	Ceramic	ironstone		2	white		early 19th C.	present
163	4/30/2013	Ceramic	pearlware	rim	1	white	scalloped edge; light blue floral transfer print with leaves on interior	1780s	1840s
163	4/30/2013	Ceramic	pearlware	rim	1	white	light blue transfer print on one side	1818	1867
163	4/30/2013	Glass		base	1	aqua			
164	5/1/2013	Ceramic	ironstone	base	1	white		early 19th C.	present
164	5/1/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
164	5/1/2013	Ceramic	pearlware		1	white		1779	1820+
164	5/1/2013	Ceramic	refined earthenware		1	white	waster; unglazed		
164	5/1/2013	Glass		curved	1	clear	painted white with red letters "...O..."		
164	5/1/2013	Glass		flat	1	clear	1/2" thick		
165	5/1/2013	Bone	faunal		1		saw cut; mammal		
165	5/1/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present
165	5/1/2013	Ceramic	pearlware	base	2	white		1779	1820+
165	5/1/2013	Ceramic	refined earthenware	base	1	white	blue decoration on interior		
165	5/1/2013	Ceramic	refined earthenware	rim	1	white	blue transfer print both sides	c.1780	early 20th C.
165	5/1/2013	Ceramic	refined earthenware	rim	1	white	blue shell edge interior	mid 1770s	1890s
165	5/1/2013	Ceramic	stoneware	base	1	buff/gray	clear and mineral glaze on both sides	1720s	present
165	5/1/2013	Ceramic	stoneware		1	buff	brown slip on both sides	c.1800	present
165	5/1/2013	Ceramic		tile	1	white			
165	5/1/2013	Glass		curved	1	aqua			
165	5/1/2013	Glass		curved	1	clear	devitrified		
165	5/1/2013	Glass		flat	5	clear			
166	5/3/2013	Ceramic	ironstone	rim	1	white		early 19th C.	present
166	5/3/2013	Ceramic	ironstone		1	white		early 19th C.	present
166	5/3/2013	Ceramic	pearlware	rim	1	white	molded	1779	1820+
166	5/3/2013	Ceramic	stoneware	base	1	buff	black slip on both sides	c.1800	present
166	5/3/2013	Glass		curved	1	clear			
167	5/3/2013	Stone/Wood		pulley	1				
168	5/2/2013	Bone	faunal	mandible	1				
168	5/2/2013	Bone	faunal		2				
168	5/2/2013	Ceramic	stoneware		1		spall, brown slip glaze on one side		
168	5/2/2013	Shell	oyster		3				
169	5/2/2013	Brick			1		fragment		
169	5/3/2013	Coal			7				
169	5/3/2013	Glass		bottle neck and finish	1	amber	rounded string rim	c.1770	1785
169	5/3/2013	Shell	oyster		2				
169	5/3/2013	Shell	scallop		2				

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
169	5/2/2013	Stone	argillite		1				
169	5/3/2013	Stone	sandstone		3				
169	5/2/2013	Stone	schist		1				
170	5/10/2013	Ceramic	pearlware		1	white		1779	1820+
170	5/10/2013	Ceramic	porcelain	rim	1	white	black stripe and green glaze on exterior		
171	5/10/2013	Bone	faunal		1				
171	5/10/2013	Ceramic	refined earthenware		1	white	spall		
171	5/10/2013	Ceramic		tile	1	tan			
171	5/10/2013	Glass		flat	1	clear	bubble texture on one side		
171	5/10/2013	Glass		flat	1	clear	devitrified		
171	5/10/2013	Glass			1	clear			
171	5/10/2013	Glass			2	clear	melted		
172	5/13/2013	Glass		base and body	1	aqua	embossed partial design on body; oval shaped base 1 1/2" x 3/4"	1867	present
172	5/13/2013	Glass		finish to body	2		mends mold seams embossed "FEDER.../DR R..."	1867	present
173	5/14/2013	Bone	faunal		1		saw cut; mammal		
173	5/14/2013	Ceramic	earthenware		1	buff	mustard color glaze on both sides; incised blue stripes on exterior	c.1830	1900
173	5/14/2013	Ceramic	porcelain	base	2	white			
173	5/14/2013	Glass		bottle	1	clear	whole jug; height 6 1/4" diameter 2 1/16"; embossed base "M/ BAL BC/ 6"	1867	present
174	5/5/2013	Ceramic	refined earthenware	rim	1	white	unglazed waster with impressed floral design		
174	5/5/2013	Ceramic	stoneware	rim	1	buff	marbling black/brown/white on both sides	1760s	1850s
175	5/15/2013	Ceramic	ironstone		1	white		early 19th C.	present
176	5/16/2013	Ceramic	earthenware	rim	1	buff	cylindrical; brown slip interior; clear glaze exterior	c.1800	present
176	5/16/2013	Ceramic	earthenware	sewer pipe	1				
176	5/16/2013	Ceramic	porcelain	tile	1	white	blue transfer print with sailboat on one side	c.1760	early 20th C.
176	5/16/2013	Ceramic	refined earthenware		1	white	green transfer print with berries and twigs on exterior	1818	1859
177	5/15/2013	Bone	faunal		1		mammal		
177	5/15/2013	Ceramic	pearlware		1	white		1779	1820+
178	5/17/2013	Ceramic	ironstone	rim	3	white	light blue floral transfer print on interior	1830	c.1900
178	5/17/2013	Ceramic	ironstone	rim	1	white	blue stripes on interior rim		

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
178	5/17/2013	Ceramic	ironstone		2	white	light blue transfer print with flowers and leaves on exterior	1830	c.1900
178	5/17/2013	Ceramic	ironstone		1	white		early 19th C.	present
178	5/17/2013	Ceramic	pearlware	base	1	white		1779	1820+
178	5/17/2013	Ceramic	pearlware	base	1	white	blue transfer print with geometric pattern on interior	c.1780	early 20th C.
178	5/17/2013	Ceramic	pearlware	handle	1	white	gray decoration on exterior	1779	1820+
178	5/17/2013	Ceramic	pearlware	rim	1	white	brown geometric transfer print on interior and exterior rim; brown transfer print with flower and leaves on exterior	1828	early 20th C.
178	5/17/2013	Ceramic	pearlware	rim	4	white		1779	1820+
178	5/17/2013	Ceramic	pearlware	rim	1	white	blue transfer print on interior	1784	mid 19th C.
178	5/17/2013	Ceramic	pearlware	rim and base	2	white	waster; clear glaze on exterior		
178	5/17/2013	Ceramic	pearlware		3	white		1779	1820+
178	5/17/2013	Ceramic	pearlware		1	white	blue transfer print with leaves on exterior	c.1795	1840
178	5/17/2013	Ceramic	pearlware		1	white	blue transfer print with tree, berries, and rooftop on one side	c.1795	1840
178	5/17/2013	Ceramic	pearlware		1	white	blue transfer print with leaves on exterior	c.1795	1840
178	5/17/2013	Ceramic	pearlware		1	white	blue transfer print on one side	c.1795	1840
178	5/17/2013	Ceramic	pearlware		1	white	blue decoration on exterior	1779	1820+
178	5/17/2013	Ceramic	pearlware		1	white	blue glaze on exterior	1779	1820+
178	5/17/2013	Ceramic	pearlware		1	white	light blue transfer print with table top and vessels on exterior	1818	1867
178	5/17/2013	Ceramic	pearlware		1	white	blue geometric transfer print on both sides	1784	mid 19th C.
178	5/17/2013	Ceramic	pearlware		1	white	blue transfer print with house, fence and berry tree on one side	1795	1840
178	5/17/2013	Ceramic	refined earthenware	base	1	white	unglazed; waster		
178	5/17/2013	Ceramic	refined earthenware	base	1	white	light blue and blue transfer print on interior; light blue glaze on exterior	1830	c.1900
178	5/17/2013	Ceramic	refined earthenware	handle	1	white	unglazed; waster		
178	5/17/2013	Ceramic	refined earthenware	rim	2	white	unglazed; waster		
178	5/17/2013	Ceramic	refined earthenware		1	white	unfired; floral decoration		
178	5/17/2013	Ceramic	refined earthenware		10	white	unglazed; waster		
178	5/17/2013	Ceramic	refined earthenware		1	white	unglazed; basket weave on exterior		
178	5/17/2013	Ceramic	refined earthenware		1	white	blue glaze and brown stripe on exterior	1790s	1810
178	5/17/2013	Ceramic		kiln furniture	14	white	stilts; 4 cross-hatch pattern; 1 shell motif; 2 leaf-like motif; 2 unidentified motif; 1 marked "30"/"E"/"E"; 1 marked "6" or "9" with cross-hatch motif; 1 marked "B & Co"		

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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
178	5/17/2013	Glass		curved	6	white	milk glass	1890s	1960s+
178	5/17/2013	Glass		curved	1	clear	embossed leaf decoration	1867	present
178	5/17/2013	Metal		nail	1		1/2" length		
179	5/21/2013	Ceramic	redware	rim	1	red	flower pot	1725	present
180	6/10/2013	Ceramic	porcelain	base	2	white	green stripe on interior		
180	6/10/2013	Ceramic	porcelain	rim	1	white			
180	6/10/2013	Ceramic	porcelain		2	white			
180	6/10/2013	Ceramic	porcelain		1	white	white glaze on exterior		
180	6/10/2013	Ceramic		tile	1	white	2" square		
180	6/10/2013	Glass		base and body	1	clear	embossed base "...DESIGN_PATENT...(at perimeter)/ RD1930/ 8933 (inside perimeter)"; diamond sided; side mold seam starts at base	1930	1944
180	6/10/2013	Metal	iron	door latch	1		corroded; approx. 23" length; approx. 1" width		
181	6/18/2013	Ceramic	pearlware	cup base	1	white		1779	1820+
181	6/18/2013	Ceramic	porcelain	doll	1	white	incised on back "MADE IN JAPAN"		
181	6/18/2013	Ceramic	porcelain		1	white	clear glaze on one side		
181	6/18/2013	Ceramic	redware		1	red	flower pot	1725	present
181	6/18/2013	Glass		base	1	clear			
181	6/18/2013	Glass		base	1	clear	embossed "6-40/ R (in center)..."	1867	present
181	6/18/2013	Glass		curved	9	clear			
181	6/18/2013	Glass		curved	1	aqua	ribbed on exterior		
181	6/18/2013	Glass		curved	1	green		c.1865	present
181	6/18/2013	Glass		curved	1	green	melted	c.1865	present
181	6/18/2013	Glass		flat	1	clear			
181	6/18/2013	Linoleum			2	tan			
182	6/18/2013	Bone	faunal		1		mammal		
182	6/18/2013	Glass		finish and neck	1	clear	flat lip		
183	5/17/2013	Ceramic	refined earthenware	base	1	white	waster; clear glaze on interior		
183	5/17/2013	Ceramic	refined earthenware	rim	1	white	unglazed; waster		
183	5/17/2013	Ceramic	refined earthenware		1	white	hand painted black and blue floral decoration on interior	1830s	late 19th C.
183	5/17/2013	Glass		base and body	1	aqua	embossed "G.CASSIDY/251/MULBERRY STREET/NEW YORK."; 2 1/2" diameter	c.1869	c.1890

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EXC. FB#	DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
183	5/17/2013	Glass		bottle	1	amber	whole; embossed base "6 (circular design) 6/3"; 2 3/4 diameter; 6 1/2"height 6 1/2"	1867	present
183	5/17/2013	Glass		flat	3	clear			
183	5/17/2013	Metal	iron		1		corroded mass; flat on one side		
184	10/4/2013	Ceramic	pearlware		1	white		1779	1820+
184	10/4/2013	Metal	iron	knife	1		corroded; 3 3/4" length; 3/4" width		
185	10/4/2013	Glass		curved	1	aqua			
185	10/4/2013	Glass		curved	1	clear			
186	10/4/2013	Metal	iron	nail	1		corroded; length 2 1/2"		
187	10/7/2013	Glass		bottle lip	1	clear			
188	10/7/2013	Ceramic	refined earthenware		1	white	spall		
189	10/4/2013	Glass		curved	1	clear			
189	10/4/2013	Plastic		cylindrical	1	gray	1/2" diameter; 1 1/2" inch segment recovered during excavation		
190	10/8/2013	Ceramic	refined earthenware	rim	1	white	blue geometric transfer print on interior	c.1780	early 20th C.
190	10/8/2013	Stone	chert		1	black	cortex with chert interior; approx. 4" X 3"		
191	10/16/2013	Ceramic	redware	base and body	1	red	flower pot	1725	present
191	10/16/2013	Ceramic	redware		2	red		c.1750	1900
192	10/17/2013	Ceramic	porcelain		1	white			
193	10/23/2013	Ceramic	refined earthenware	rim	1	white	blue and white transfer print with leaf; swirl decoration along rim; removed from collection, given to National Park Service	c.1780	early 20th C.
194	10/23/2013	Ceramic	redware		2	red	removed from collection, given to National Park Service	c.1750	1900
195	11/6/2013	Bone	faunal		1		mammal		
195	11/6/2013	Ceramic	pearlware		3	white	blue transfer print on exterior with tree branch	1784	mid 19th C.
195	11/6/2013	Ceramic	redware		2	red		c.1750	1900
195	11/6/2013	Coal			2				
195	11/6/2013	Glass		base and body	2	green	mends	c.1865	present
195	11/6/2013	Glass		curved	1	green		c.1865	present
195	11/6/2013	Glass		curved	1	aqua			
195	11/6/2013	Glass		curved	1	clear			
195	11/6/2013	Metal	iron	nail	1		corroded; 2 1/8" length		
196	12/2/2013	Bone	faunal		1		mammal		

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT: PHASE 1
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FB#	EXC. DATE	MATERIAL	IDENTITY	FORM	#	COLOR	DESCRIPTION	START DATE	END DATE
197	12/2/2013	Ceramic	porcelain	rim	2	white			
197	12/2/2013	Ceramic	porcelain		1	white			
197	12/2/2013	Ceramic	porcelain		1	white	white glaze on exterior		
198	4/25/2013	Ceramic	refined earthenware	rim	1	white	blue floral transfer print on interior	c.1780	early 20th C.
198	4/25/2013	Glass		base	1	clear			
199	5/6/2014	Bone	faunal		2		mammal		
199	5/6/2014	Bone	faunal		5		scrap		
200	05/15/14	Bone	faunal		1		bird		
200	05/15/14	Brick			3		fragments		
200	05/15/14	Ceramic	redware	rim	1	red	flower pot		
200	05/15/14	Ceramic	refined earthenware		1	white	waster; unglazed; black inclusions		
200	05/15/14	Ceramic		kiln furniture	1	white	stilt; cross hatched 2 sides	1860	c.1890
200	05/15/14	Ceramic		kiln furniture	3	white	stilts; possible shell motif	1860	c.1890
200	05/15/14	Glass		flat	1	clear	devitrified		
200	05/15/14	Metal	iron	nail	1		2" long; corroded		
200	05/15/14	Mortar			3	white			
200	05/15/14	Shell	clam		2				
200	05/15/14	Shell	oyster		1				
200	05/15/14	Stone	chert		2	orange/brown			
200	05/15/14	Stone	chert		2	gray			
200	05/15/14	Stone	slate		3	gray			
200	05/15/14	Wood			4		cut		
TOTAL ARTIFACTS					1894				

Appendix C
Faunal Report by Marie-Lorraine Pipes

Governors Island Park
Faunal Report
Marie-Lorraine Pipes, MA, ABD, RPA

1. Introduction

Interpretation of faunal remains is often dependent on the cultural context with which they are associated and the kinds of refuse they represent. The Governors Island Park faunal deposits were recovered from dispersed excavations within several zones of the project area using different retrieval methods. As such it is difficult to do intrasite comparisons. The great majority of faunal deposits consisted of dietary refuse. A few marine shell deposits are indicative of the local environment. However, generally the remains consisted of beef and mutton cuts of meat. A few other kinds of food related specimens were occasionally present. The types of cuts represented were predominantly large roasting and stew meats. Based on the results of the analysis, the historical use of this area as a fort, and general dating of the majority of remains to the late-nineteenth and early-twentieth centuries, the assemblage as a whole was considered to be representative of US military foodways.

Faunal remains consisting of animal bones and marine shell were recovered from five zones across the project areas including Colonel's Row, Nolan Park, Parade Ground, South Battery and Soissons. Within these zones faunal remains were found in varying densities. With the exception of shellfish and one deer bone, nearly all of the faunal remains were composed of domesticated mammal and bird species. This report is organized by Zone and by significant areas within each of them that yielded major deposits.

2. Methodology

Each row of data was bagged separately within a provenience and assigned a specimen number, e.g. Bag 1.1, 1.2, etc. Each bone specimen was identified by species when possible and otherwise by class and size range category. For the purposes of this report, large mammal is equivalent in size to cattle, medium mammal to pig and sheep, and small mammal to cat or smaller. Table 1 presents the list of identified species by class. Tables 2-6 summarize faunal remains by zone and other relevant information such as Feature, Unit, Trench or other provenience. The data are organized by class and species. Two counts are presented: the Total Number of bone Fragments (TNF) and the Minimum Number of bone Units (MNU). In brief, the TNF count serves as a curation tool indicating the absolute number of bone fragments for a given row of data. The MNU count is an adjusted bone count based on the number of actual skeletal elements represented. Not all rows of data received an adjusted bone count (MNU) as its application was used only when one or more skeletal elements were identified. For example, a crushed cattle rib consisting of 12 bone fragments would be tallied as 12 TNF, and receive an adjusted count of 1 MNU. The descriptions in the report were based on the MNU or adjusted bone count.

Each bone specimen was further identified by skeletal element, portion, and age at death, when possible. All apparent bone modifications were recorded. The term "bone modification" refers

to the physical alteration of the original appearance of a skeletal element either by human, animal or other natural agents. Bone modifications at this site included butcher marks, gnaw marks, heat exposure and weathering. Identifications were made with the aid of a comparative skeletal type collection and the use of references including but not limited to: Brown and Gustafson (1979), Cornwall (1956), Lyman (1977), Olsen (1964), Pipes (1995), Schmid (1972), and Ubaldi and Grossman (1987). In the report that follows refuse types are classified based on skeletal elements and associated butcher marks. "Dietary refuse" and "trimming waste" are terms used to describe refuse generated by household activities: for example, "dietary refuse" refers to the bones from a roast or a ham steak, or the skeletal remains of a roasted bird; and "trimming waste" refers to bones removed from a haunch such as a foot from a mutton shank. Meat ranks are based on information from Ubaldi and Grossman (1987). Figures 1-3 illustrate the reduction of cattle, pig and sheep carcasses into butcher units and meat cuts.

3. Data Description by Zone

The majority of faunal remains were recovered from the South Battery and Soissons zones. Colonels Row, Nolan Park, and Parade Ground zones yielded very little bone or shell (Figure 4). In some areas marine shell was recovered that appeared to be natural deposits as opposed to culturally generated. When domesticated mammal and bird remains were found they consisted of dietary refuse. These deposits were not assigned to a particular place or subgroup within the fort.

A. Colonel's Row

Faunal remains from Colonels Row were few. Two deposits in particular are of interest because they appeared to be natural deposits reflecting the local landscape. Unit 5 and TA 133 contained oyster remains that showed no signs such as pry marks that would indicate they were eaten (Table 2). TA 133 also yielded fragments of slipper shell (*Crepidula*) and sea scallop (*Pectinidae*), species which are commonly recovered on coastal beaches around New York City. The right mandible of a mature white-tail deer was also found in this deposit. This was the only deer specimen recovered. It is likely that these remains reflect the local environmental setting. Trench 11 contained cattle bones representing meat cuts from the short rib and shank. A large beef chuck roast, indicated by a butchered scapula, was found near B410, as was a mutton leg bone during grading along Hay road. These all bear signs of having been cooked and the meat consumed. None of these remains showed evidence of gnaw marks.

B. Nolan Park

Two faunal specimens were recovered in two separate locations in this zone (Table 3). They represented food remains including a mutton leg roast and a beef stew cut from the neck.

C. Parade Ground

The Parade Ground yielded very little bone (Figure 4). Most of the faunal remains were found in Unit 6 (Table 4). All of the bone was composed of domesticated mammal remains and consisted of dietary refuse. Like the faunal deposits from the Nolan Park zone only bone was present. Unit

6 contained cattle and pig as well as an unidentified bird which was probably chicken. Beef cuts included stews from the neck, short rib and brisket. Pig consisted of a neck bone from a neonatal pig. Other cuts were assigned to medium mammals cuts and included spare ribs and a leg roast, both possibly pig. Trenches 8 and 9 contained small fragments of unidentifiable mammal and bird. It is worth noting that all of the specimens from these areas were calcined and represent the only such occurrences from this project. Calcined bone results from intensive heat exposure. It is often found on Native American sites. The electric trench on Barry Road contained a sheep femur representing a shank-end leg roast. Bone modifications included saw and cleaver marks as well as evidence of cooking.

D. South Battery

South Battery yielded several small faunal deposits (Table 5). Of these, the Con Ed gas trench and Man Hole 178 were actual faunal concentrations, the others were more dispersed. All of these deposits were similar in that they were primarily composed of cattle and sheep, and only occasionally included pig. Beef cuts included a range of large units of meat including roasts from the arm, loin, chuck, rump and round, as well as, stew meats from the short ribs, brisket, and shanks. These cuts all came from very large individuals, possibly oxen. Mutton cuts included five shanks from the hind leg and two shank-end leg roasts. Pork cuts consisted of a ham hock and two Boston butt hams. One neonatal pig was indicated by an arm bone. A chicken wing was recovered, as were a few oyster fragments and a fulgur welk in MH 178. Bone modifications included saw and cleaver marks as well as evidence of cooking.

E. Soissons

Three main concentrations of bone were found within the Soissons zone including Feature 1, Trench 10 (segments 2-5), and near building 110. Other areas yielded sporadic and isolated bones. Feature 1 contained the largest amount of bone of any deposit from the project. This deposit was composed of a majority of cattle remains and small amounts of sheep, unidentified bird, oyster, hard shell clam and brown rat (Table 6). Brown rat was represented by a single thigh bone. The presence of rat however was noted on a small number of specimens that exhibited rodent incisor marks in Feature 1 and TA 1002. Cattle was indicated by large cuts of meat that included roasts from the chuck, round and shank, as well as stew meats from the neck, chuck and short rib. One veal leg roast was also present. Sheep consisted of a single mutton shank. Other medium mammal cuts were indicated from the rib, which were either sheep or pig. Bird remains were unidentified. A few oyster and hard shell clam fragments may have formed part of this dietary assemblage. One large mammal rib appears to have been worked into a tool. It was sharpened and smoothed at one end. Faunal remains found in TA 1002 were limited to cattle. Like the beef cuts in Feature 1 these consisted of large cuts that included two steaks from the loin and prime rib, and two roasts from the chuck and rump.

The faunal deposits recovered from various parts of Trench 10 (Segments 2-5) and near Building 110 had slightly greater ranges of mammal species than Feature 1. Both areas yielded cuts of meat from cattle, sheep and pig. Beef cuts from Trench 10 included stew meats from the neck

and shank, a loin steak and a veal leg roast. Mutton consisted of a stew meat from the neck and leg roast, and pig of a trotter (pig foot). A single oyster shell was also recovered. The deposit found near Building 110 included beef stew meats from the short ribs and shanks and a prime rib steak. There was a mutton shank. Pig included a pig trotter as well as the arm bone of neonatal pig. All remaining deposits in this zone were meager and mostly consisted of sheep and cattle bones. These also represented meat cuts similar to those found in other areas, mainly large roasting meats and stew meats. Feature 2 and TA 18 were distinct from the other deposits. Feature 2 yielded two fragments of clam shell so fragmented that species identification was not possible, while TA 18 yielded a single cat pelvis. Though this was the only evidence of a carnivore from the entire project assemblage, canine gnaw marks were found on a few specimens from this zone that may have been cat and in at least one instance dog. Bone modifications included saw and cleaver marks as well as evidence of cooking.

4. Summary discussion

The faunal data from the project area offer insights in issues of refuse disposal patterns and dietary practices when they are considered at the fort level. The general absence of evidence for rodent gnawing and surface weathering on the majority of bone specimens throughout the project area is worth noting. The majority of bone specimens did not exhibit gnaw marks nor did many specimens show signs of having been exposed to the weather for any length of time. Though brown rat and cat appeared in isolated deposits they were not common components of any deposit. A few specimens exhibited larger canine marks indicating that dogs were present at the fort as well. Garbage incineration is one method of refuse disposal, burial is another. Few bones showed evidence of intense heat exposure. This, along with a general lack of rodents and gnaw marks suggests burying trash was a common method of disposal in some areas of the fort.

Taking a broad view of the faunal remains, they represent examples of food consumption by a specialized group, e.g. military personnel, and represent an institutionally determined dietary regime. The range of species identified at the site was limited primarily to cattle, sheep, pig, chicken, and mollusks. There were a few singular recoveries such as brown rat, cat, and deer, none of which were considered dietary related. Cattle, sheep and pig bones were entirely composed of butchered remains. Figure 5 summarizes the relative abundance of all three species. Cattle, or beef meat cuts, were the most prevalent (75 percent). Most beef cuts consisted of large cuts of meat such as roasts and stew meats. A few veal cuts were present, also represented by large units of meat. Some of these meat cuts are illustrated in Figure 6. The lack of cranial and foot elements as well as several other skeletal elements indicates that cattle were not butchered at the fort. The limited range and repetitive nature of the beef cuts indicates that large units of beef were probably procured and reduced at the fort.

Sheep was the second most frequent species. Most of the sheep bones came from mature adults and therefore the cuts represented were identified as mutton. The majority of bones came from sheep aged at three years or more at death. They represented a limited range of meat cuts, consisting mainly of hindquarter roasts and stew meats from the fore and hind shanks. Like

cattle, the limited and repetitive distribution of sheep skeletal elements suggests that live animals were not at the fort. Instead they indicate even more clearly than beef that specific mutton cuts were procured by the fort for cooking, e.g. leg of mutton.

In general, pig bones were rarely found. Of the eight pig specimens identified three came from neonatal pigs. The remaining bones represented two large hams, two trotters and a ham hock. It should be noted that there were several instances where bones could not be identified by species which may actually be pig but were classified as medium mammal. The presence of pork cuts and neonatal pigs is of interest. It suggests that live pigs were kept at the fort. Perhaps pigs were allowed to roam free in some areas.

Table 7 summarizes all of the meat cuts identified in the assemblage by species, by type and relative economic value (Ubaldi and Grossman 1987). The table serves to highlight the nearly complete absence of individualized cuts and a preponderance of stews and roasts. In terms of ranked values of meats beef cuts were mainly of medium value while mutton and pork were dominated by low values cuts. Stews and roasts are ideal meats to cook for large numbers of people because they can be prepared early in the day and kept warm for long periods of time without suffering a decrease in texture or flavor. The overall impression provided by the faunal assemblage is of a dietary tradition dominated by beef and occasionally enhanced with other meats.

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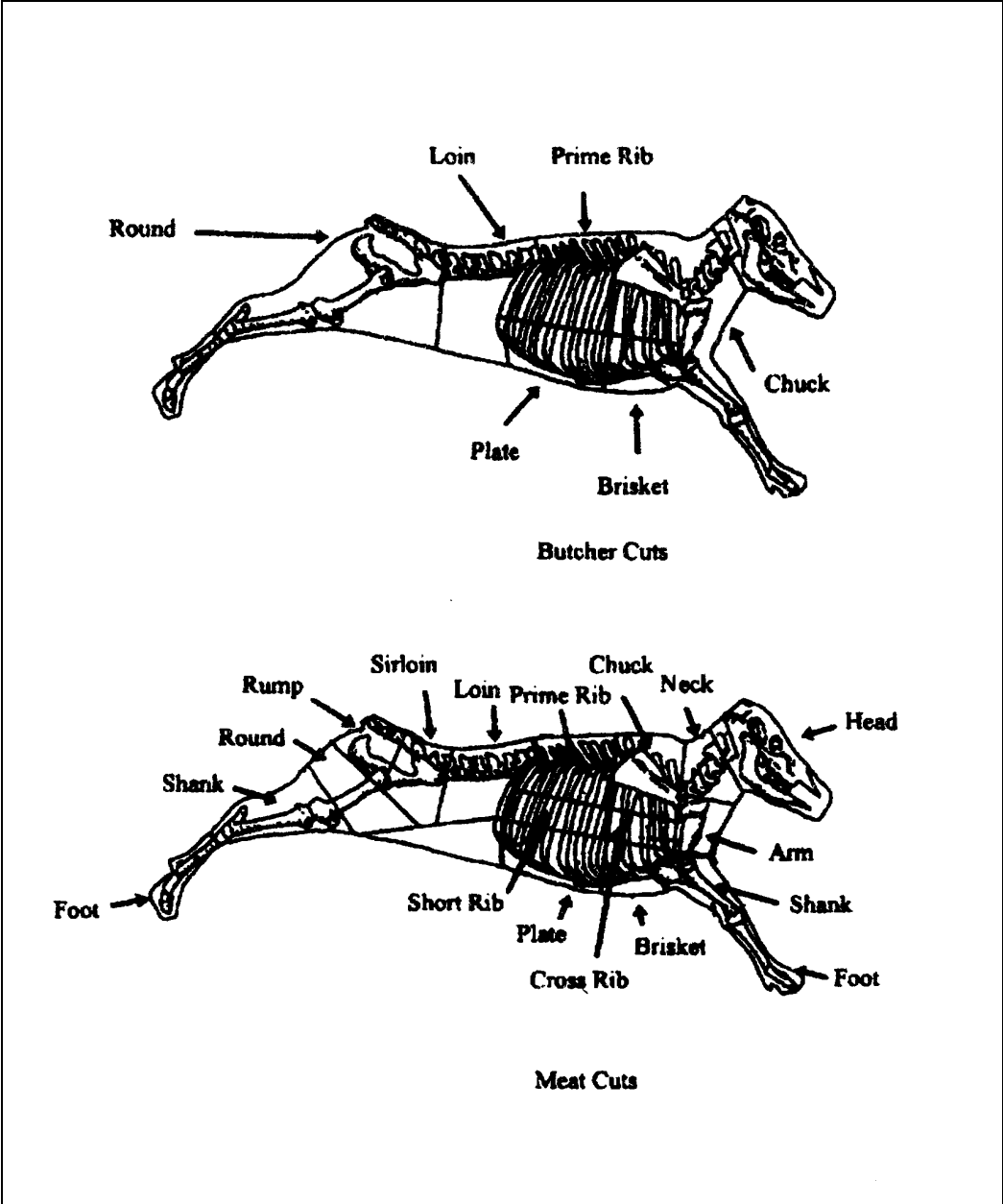


Figure 1. Cattle/Beef Secondary Butcher Cuts and Primary Meat Cuts.

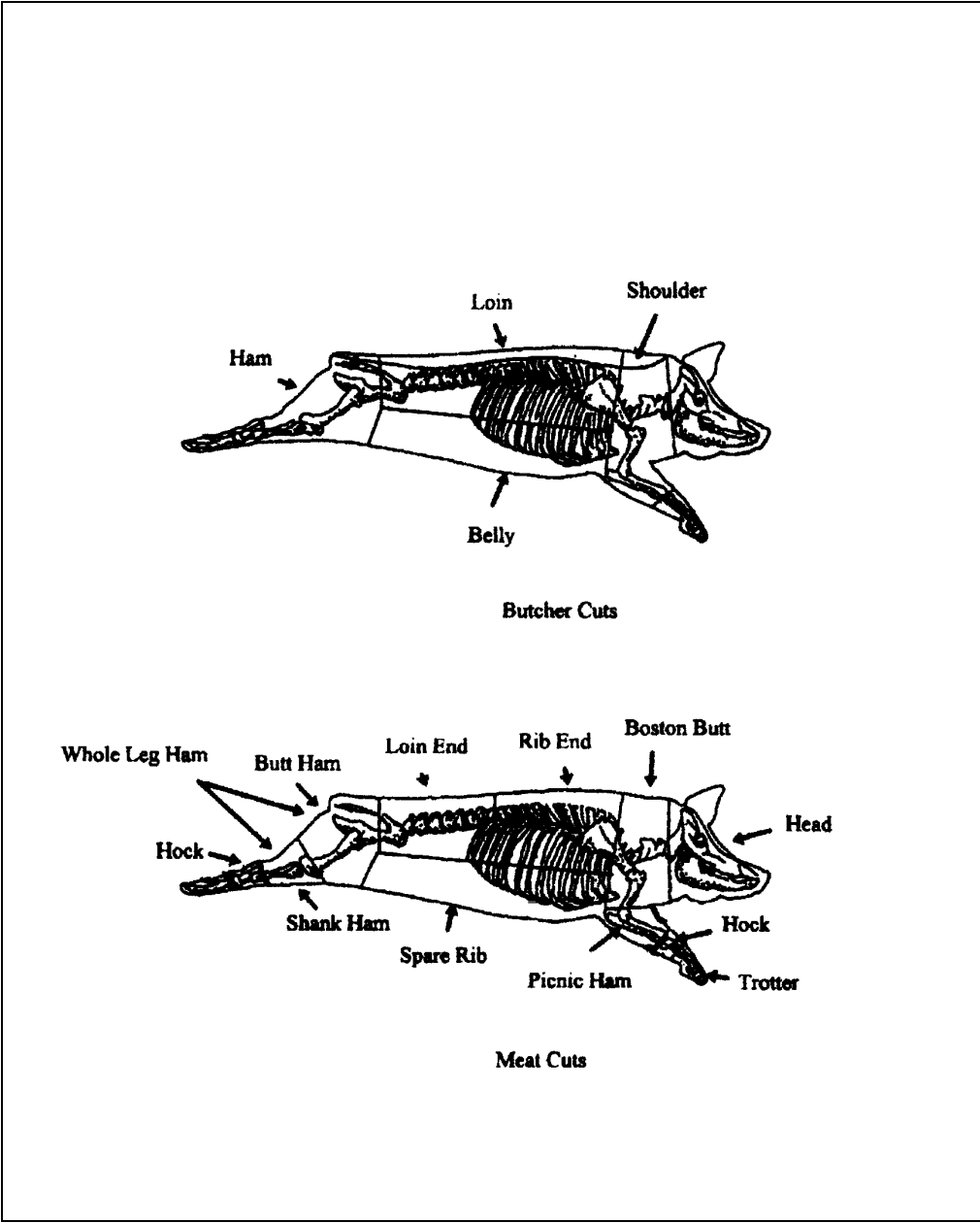


Figure 2. Pig/Pork Secondary Butcher Cuts and Primary Meat Cuts.

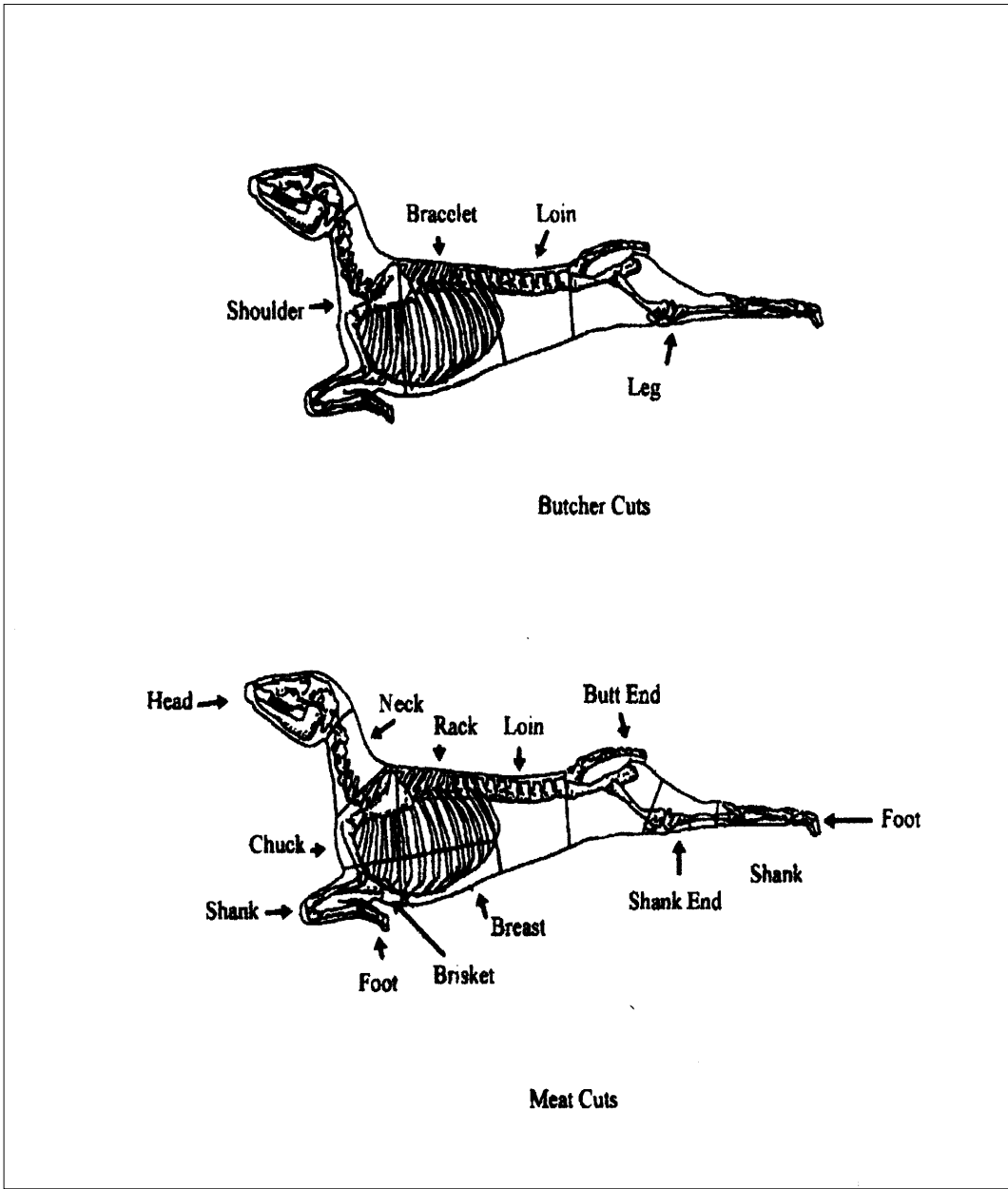


Figure 3. Sheep/Mutton Secondary Butcher Cuts and Primary Meat Cuts.

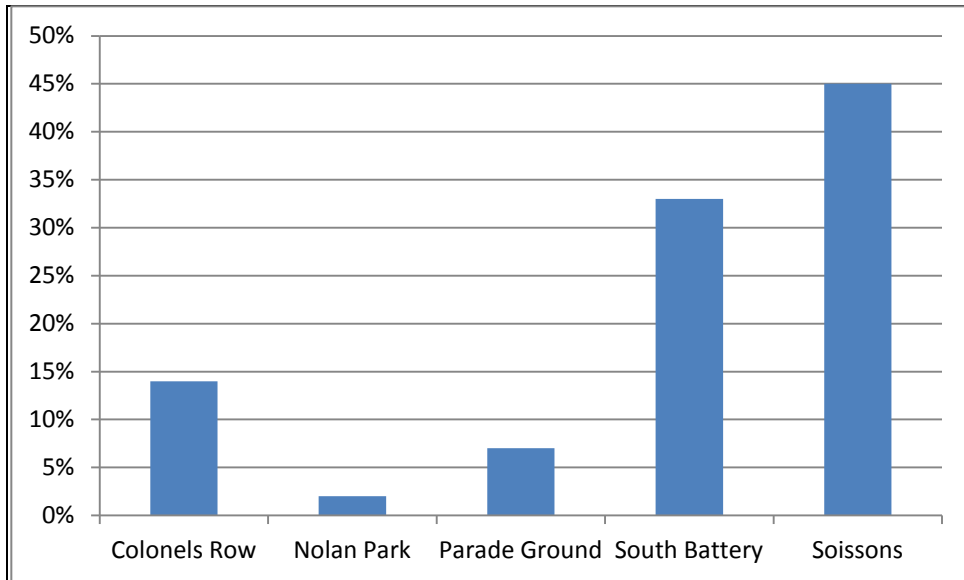


Figure 4. Relative frequencies of faunal remains by zone, based on MNU.

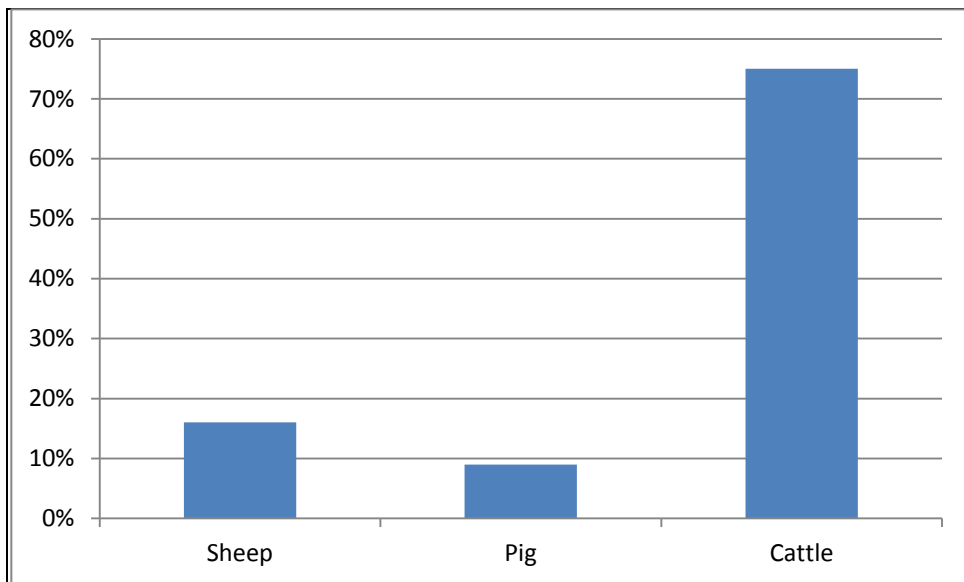


Figure 5. Relative frequencies of cattle, sheep and pig from the project area, based on MNU.

Beef Illustrated Cuts

Illustrated
Cut #

274



277



278



280



287



99



183



735



736



181



182



185



146



404



406



425



427



441



470



Figure 6. Illustrated beef cuts.

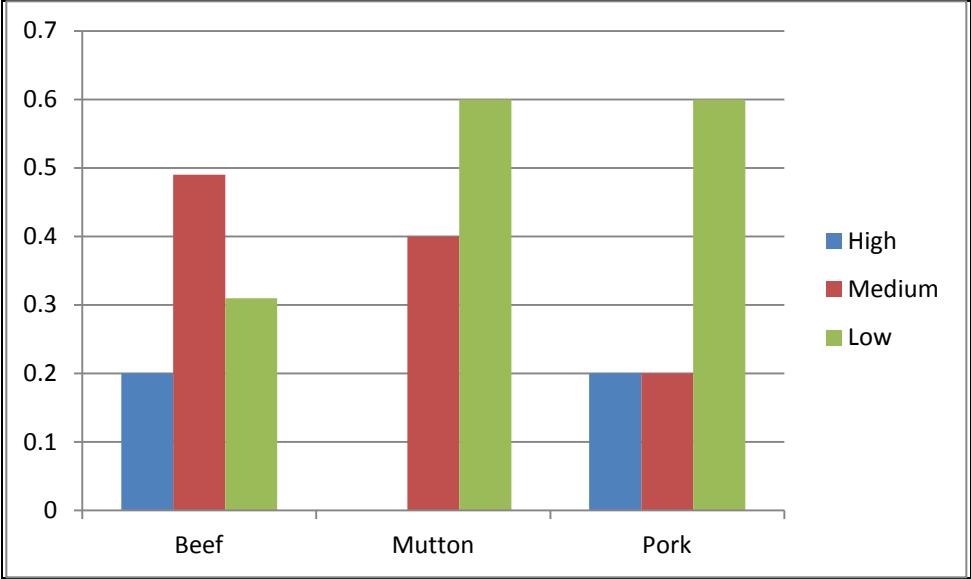


Figure 7. Comparison of beef, mutton, and pork meat rank values, based on MNU.

Table 1. List of Identified Species.

Class	Species	Latin Name
Mammal	Brown rat	<i>Rattus norweigicus</i>
	Cat	<i>Felis domesticus</i>
	Cattle	<i>Bos taurus</i>
	Pig	<i>Sus domesticus</i>
	Sheep	<i>Ovis aries</i>
	White-tail deer	<i>Odocoileus virginianus</i>
Bird	Chicken	<i>Gallus gallus</i>
Mollusk	Fulgur welk	<i>Busycon</i>
	Oyster	<i>Crassostrea virginica</i>
	Sea scallop	<i>Pectinidae</i>
	Slipper shell	<i>Crepidula</i>

Table 2. Faunal summary from Colonels Row, by class, species and size range category, and Total Number of bone Fragments (TNF) and Minimum Number of bone Units (MNU).

Class/Species/Size-range Category	Unit 5		Trench 11		TA 133		Other Provenience	
	TNF	MNU	TNF	MNU	TNF	MNU	TNF	MNU
Mammal								
Cattle	-	-	14	3	-	-	-	-
Sheep	-	-	-	-	-	-	1	1
White-tail deer	-	-	-	-	3	1	-	-
<i>Subtotal TNF/MNU</i>	-	-	14	3	3	1	1	1
Mollusk								
Oyster	4	4	3	3	4	4	-	-
Scallop	-	-	-	-	2	1	-	-
Slipper shell	-	-	-	-	1	1	-	-
<i>Subtotal TNF/MNU</i>	4	4	3	3	7	6	-	-
<i>Total TNF/MNU</i>	4	4	17	6	10	7	1	1

Table 3. Faunal summary from Nolan Park, by class, species and size range category, and Total Number of bone Fragments (TNF) and Minimum Number of bone Units (MNU).

Class/Species/Size-range Category	Electric Trench		Sign Post 23	
	TNF	MNU	TNF	MNU
Mammal				
Cattle	-	-	2	1
Sheep	1	1	-	-
<i>Total TNF/MNU</i>	1	1	2	1

Table 4. Faunal summary from Parade Ground, by class, species and size range category, and Total Number of bone Fragments (TNF) and Minimum Number of bone Units (MNU).

Class/Species/Size-range Category	Unit 6		Trench 8		Trench 9		Other Provenience	
	TNF	MNU	TNF	MNU	TNF	MNU	TNF	MNU
Mammal								
Cattle	6	3	-	-	-	-	-	-
Pig	1	1	-	-	-	-	-	-
Sheep	-	-	-	-	-	-	1	1
Medium Mammal	6	3	1	-	1	-	-	-
Large Mammal	2	-	-	-	-	-	-	-
<i>Subtotal TNF/MNU</i>	<i>15</i>	<i>7</i>	<i>1</i>	<i>-</i>	<i>1</i>	<i>-</i>	<i>1</i>	<i>1</i>
Bird								
Unidentified bird	1	1	1	-	-	-	-	-
<i>Subtotal TNF/MNU</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
Total TNF/MNU	16	8	2	-	1	-	1	1

Table 5. Faunal summary from South Battery, by class, species and size range category, and Total Number of bone Fragments (TNF) and Minimum Number of bone Units (MNU).

Class/Species/Size-range Category	Con Ed Gas Trench		Grading		MH 178		Catch Basin 10(1,2,5)		Other Provenience	
	TNF	MNU	TNF	MNU	TNF	MNU	TNF	MNU	TNF	MNU
Mammal										
Cattle	5	3	5	5	16	12	12	8	2	1
Pig	-	-	1	1	-	-	3	3	-	-
Sheep	2	1	2	2	2	1	2	1	2	2
Medium Mammal	-	-	-	-	1	1	-	-	-	-
Large Mammal	-	-	1	-	4	-	-	-	-	-
<i>Subtotal TNF/MNU</i>	<i>7</i>	<i>4</i>	<i>9</i>	<i>8</i>	<i>23</i>	<i>14</i>	<i>17</i>	<i>12</i>	<i>4</i>	<i>3</i>
Bird										
Chicken	-	-	-	-	-	-	1	1	-	-
<i>Subtotal TNF/MNU</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>1</i>	<i>1</i>	<i>-</i>	<i>-</i>
Mollusk										
Fulgar Welk	-	-	-	-	1	1	-	-	-	-
Oyster	-	-	-	-	-	-	-	-	5	1
<i>Subtotal TNF/MNU</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>1</i>	<i>1</i>	<i>-</i>	<i>-</i>	<i>5</i>	<i>1</i>
Total TNF/MNU	7	4	9	8	24	15	18	13	9	4

Table 6. Faunal summary from Soissons, by class, species and size range category, and Total Number of bone Fragments (TNF) and Minimum Number of bone Units (MNU).

Class/Species/Size-range Category	Feature 1		Trench 10		Building 110		TA 1002		Other Provenience	
	TNF	MNU	TNF	MNU	TNF	MNU	TNF	MNU	TNF	MNU
Mammal										
Brown Rat	1	1	-	-	-	-	-	-	-	-
Cat	-	-	-	-	-	-	-	-	1	1
Cattle	25	7	21	4	14	8	5	4	9	9
Pig	-	-	4	1	2	2	-	-	-	-
Sheep	2	1	2	2	1	1	-	-	1	1
Medium Mammal	18	5	2	1	-	-	-	-	-	-
Large Mammal	35	1	6	1	-	-	-	-	-	-
<i>Subtotal <u>TNF/MNU</u></i>	<i>81</i>	<i>15</i>	<i>35</i>	<i>9</i>	<i>17</i>	<i>11</i>	<i>5</i>	<i>4</i>	<i>11</i>	<i>11</i>
Bird										
Chicken	-	-	-	-	-	-	-	-	-	-
Unidentified Bird	3	-	-	-	-	-	-	-	-	-
<i>Subtotal <u>TNF/MNU</u></i>	<i>3</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
Mollusk										
Hard Shell Clam	4	3	-	-	-	-	-	-	-	-
Oyster	6	4	1	1	-	-	-	-	-	-
Unidentified Clam	-	-	-	-	-	-	-	-	2	2
<i>Subtotal <u>TNF/MNU</u></i>	<i>10</i>	<i>7</i>	<i>1</i>	<i>1</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>2</i>	<i>2</i>
Total <u>TNF/MNU</u>	94	22	36	10	17	11	5	4	13	13

Table 7. Summary of beef, mutton and pork meat cuts, based on MNU.

Meat Type	Butcher Cut	Retail Cut	Type of Cut	Rank Value	MNU
Beef*					
	Loin	Loin	Steak	1	2
	Prime Rib	Prime rib	Steak	2	8
	Round	Round	Roast	3	3
		Rump	Roast	4	4
	Chuck	Chuck	Roast	5	3
			Stew	5	8
		Arm	Roast	6	1
	Prime Rib	Short rib	Stew	6	16
	Chuck	Neck	Grind	8	4
		Foreshank	Stew	9	8
	Round	Hindshank	Steak	9	8
				Total Beef Cuts	65
Mutton					
	Leg	Butt-end	Roast	4	5
	Shoulder	Neck	Stew/grind	6	1
		Foreshank	Stew	7	3
	Leg	Hindshank	Stew	7	5
	Other	Foot	Trimming waste	0	1
				Total Mutton Cuts	15
Pork*					
	Ham	Butt-ham	Ham	1	1
	Shoulder	Boston butt	Ham	3	1
	Ham	Trotter	Stew	6	2
		Hock	Stew	6	1
				Total Pork Cuts	5

*Neonates removed

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT FAUNAL TABLE

Row #	Context	Bag #	Item #	Species code	Species Name	Latin Name	TNF count	MNU Adjective	MNU count	Wt. (gram)	Skeletal Element	Element Part	Age	Illustrated meat cut code	Gnaw Translation	Cut Mark	Gnaw Mark	Heat Exposure Translation	Weathering Translations	Note Field
99	Feature 1 interior	1	1	ZMZ05	Large Mammal		6	-	0	11	Unidentified	Fragment	-	0	-	-	0	-	-	
1	EU1 S1 L1, exterior Feat 1	2	1	ZMZ05	Large Mammal		1	-	0	1	Unidentified	Fragment	-	0	-	-	0	-	-	
51	STP 1 interior Feat 1 2.7 – 2.9' below top of feature	8	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Elements	1	22	Thoracic Vertebra	Dorsal spine	-	0	Carnivore	-	10	-	-	
52	STP 1 interior Feat 1 2.7 – 2.9' below top of feature	8	2	ZXP26	Hard Shell Clam	Mercenaria mercenaria	1	Minimum Number of Elements	1	3	Shell	Fragment	-	0	-	-	0	-	-	
54	EU2 S1 L1, interior Feat 1	9	1	ZXP10	Oyster	Crassostrea virginica	1	Minimum Number of Elements	1	110	Shell	Whole	-	0	-	-	0	-	-	
55	EU2 S1 L1, interior Feat 1	9	2	ZMZ05	Large Mammal		2	-	0	2	Unidentified	Whole	-	0	-	-	0	-	-	
56	EU2 S1 L1, interior Feat 1	9	3	ZMZ05	Large Mammal		4	-	0	1	Longbone	Fragment	-	0	-	-	0	-	-	
57	EU2 S1 L1, interior Feat 1	9	4	ZMZ04	Medium Mammal		1	Minimum Number of Elements	1	1	Rib	Shaft	-	0	-	-	0	-	-	
106	EU2 S1 L2, interior Feat 1	10	1	ZXP10	Oyster	Crassostrea virginica	1	Minimum Number of Elements	1	16	Shell	Partial	-	0	-	-	0	-	-	
107	EU2 S1 L2, interior Feat 1	10	2	ZBZ01	Unidentified Bird		1	-	0	1	Longbone	Fragment	-	0	-	-	0	-	-	
108	EU2 S1 L2, interior Feat 1	10	3	ZMZ04	Medium Mammal		2	-	0	3	Longbone	Fragment	-	0	-	-	0	-	-	
109	EU2 S1 L2, interior Feat 1	10	4	ZMR22	Brown Rat	Rattus norvegicus	1	Minimum Number of Elements	1	1	Femur	Whole	Unfused	0	-	-	0	-	-	
110	EU2 S1 L2, interior Feat 1	10	5	ZMZ04	Medium Mammal		1	Minimum Number of Elements	1	2	Rib	Shaft	-	0	-	-	0	-	-	
111	EU2 S1 L2, interior Feat 1	10	6	ZMZ04	Medium Mammal		10	Minimum Number of Elements	1	5	Rib	Fragment	-	0	-	-	0	-	-	
112	EU2 S1 L2, interior Feat 1	10	7	ZMD70	Cow	Bos taurus	10	Minimum Number of Elements	1	9	Rib	Shaft	-	0	-	-	0	-	-	
113	EU2 S1 L2, interior Feat 1	10	8	ZMZ05	Large Mammal		6	-	0	11	Longbone	Fragment	-	0	-	-	0	-	-	
6	EU2 S1 L3, interior Feat 1	11	1	ZMZ04	Medium Mammal		1	Minimum Number of Elements	1	1	Rib	Fragment	-	0	-	-	0	Presence	-	
7	EU2 S1 L3, interior Feat 1	11	2	ZMZ04	Medium Mammal		1	Minimum Number of Elements	1	1	Cervical Vertebra	Fragment	-	0	-	-	0	-	-	
2	EU2 S1 L4, interior Feat 1	12	1	ZMZ05	Large Mammal		3	-	0	2	Longbone	Fragment	-	0	-	-	0	-	-	
3	EU2 S1 L4, interior Feat 1	12	2	ZMZ05	Large Mammal		4	-	0	1	Unidentified	Fragment	-	0	-	-	0	-	-	
114	EU2 S1 L5, interior Feat 1	13	1	ZMZ05	Large Mammal		1	-	0	3	Longbone	Fragment	-	0	-	-	0	-	-	
115	EU2 S1 L5, interior Feat 1	13	2	ZMD70	Cow	Bos taurus	5	Minimum Number of Elements	1	8	Scapula	Fragment	Neonate (< than 6 months)	0	-	-	0	-	-	
116	EU2 S1 L5, interior Feat 1	13	3	ZBZ01	Unidentified Bird		2	-	0	1	Longbone	Fragment	-	0	-	-	0	Presence	-	
117	EU2 S1 L5, interior Feat 1	13	4	ZMZ05	Large Mammal		3	-	0	2	Unidentified	Fragment	-	0	-	-	0	-	-	
118	EU2 S1 L5, interior Feat 1	13	5	ZMZ05	Large Mammal		1	Worked bone artifacts.	1	1	Rib	Shaft	-	0	-	-	0	-	-	Sharpened
19	EU2 S1 L6, interior Feat 1	14	1	ZXP10	Oyster	Crassostrea virginica	3	Minimum Number of Elements	1	1	Shell	Fragment	-	0	-	-	0	-	-	

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20	EU2 S1 L6, interior Feat 1	14	2	ZMZ04	Medium Mammal		2	-	0	1	Longbone	Fragment	-	0	-	-	0	-	-	
21	EU2 S1 L6, interior Feat 1	14	3	ZXP26	Hard Shell Clam	Mercenaria mercenaria	1	Minimum Number of Elements	1	1	Shell	Fragment	-	0	-	-	0	-	-	
14	EU2 S1 L7, interior Feat 1	15	1	ZMD70	Cow	Bos taurus	2	Minimum Number of Elements	1	16	Cervical Vertebra	Fragment	-	0	Rodent	-	3	-	-	
15	EU2 S1 L7, interior Feat 1	15	2	ZMZ05	Large Mammal		2	-	0	4	Longbone	Fragment	-	0	-	Chopped	0	-	-	
18	EU2 S1 L8, interior Feat 1	16	1	ZMZ05	Large Mammal		2	-	0	4	Longbone	Fragment	-	0	-	-	0	-	-	
17	EU2 S1 L9, interior Feat 1	17	1	ZXP10	Oyster	Crassostrea virginica	1	Minimum Number of Elements	1	1	Shell	Fragment	-	0	-	-	0	-	-	
16	T 6 above concrete	18	1	ZXP10	Oyster	Crassostrea virginica	5	Minimum Number of Elements	1	3	Shell	Fragment	-	0	-	-	0	-	-	
31	Feature 1 cleaning after MH removal	24	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	27	Rib	Shaft section	-	278	-	Sawed	0	-	-	
32	Feature 1 cleaning after MH removal	24	2	ZMD35	Sheep	Ovis aries	2	Minimum Number of Articulated Meat Cuts	1	11	Elbow - Radius/Ulna	Proximal section	+ 3 years	0	-	Chopped	0	-	-	
33	Feature 1 cleaning after MH removal	24	3	ZXP26	Hard Shell Clam	Mercenaria mercenaria	2	Minimum Number of Elements	1	8	Shell	Fragment	-	0	-	-	0	-	-	
34	Feature 1 cleaning after MH removal	24	4	ZMD70	Cow	Bos taurus	5	Minimum Number of Elements	1	49	Femur	Shaft	-	0	-	Cut marks(s) on body	0	-	-	
86	Feature 1 interior fill	26	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	392	Femur	Distal section	+ 3 1/2 years	406	-	Sawed	0	-	-	
68	CB 10-2 cut backdirt	28	1	ZMD60	Pig	Sus scrofa	1	Minimum Number of Elements	1	16	Humerus	Partial	Neonate (< than 6 months)	0	-	-	0	Presence	-	
69	CB 10-2 cut backdirt	28	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	206	Femur	Proximal section	+ 3 1/2 years	427	-	Sawed	0	Presence	-	
70	CB 10-2 cut backdirt	28	3	ZMD60	Pig	Sus scrofa	1	Minimum Number of Elements	1	1	Innominate - Ilium	Fragment	-	0	-	-	0	Presence	-	
83	Trench CB 10-2 to CB 10-3 @ 30' N of CB 10-2, 3.5' bgs	29	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	79	Rib	Shaft section	-	287	-	Sawed	0	-	-	
84	Trench CB 10-2 to CB 10-3 @ 30' N of CB 10-2, 3.5' bgs	29	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	86	Innominate - Acetabulum	Section	-	0	-	Sawed	0	-	-	
85	Trench CB 10-1 to MH 10-1	31	1	ZMD35	Sheep	Ovis aries	2	Minimum Number of Elements	1	30	Tibia	Shaft	-	0	-	-	0	Partially burned	-	
76	South of CB 10-3, less than 6' bgs, new fire hydrant	32	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	317	Femur	Proximal section	+ 3 1/2 years	427	-	Sawed	0	-	-	
119	Backdirt from excavation for CB 10-5	33	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	192	Radius	Proximal section	+ 1 1/2 years	182	-	Sawed	0	-	-	
120	Backdirt from excavation for CB 10-5	33	2	ZMD70	Cow	Bos taurus	3	Minimum Number of Meat Cuts	2	56	Rib	Shaft section	-	278	-	Sawed	0	-	-	
121	Backdirt from excavation for CB 10-5	33	3	ZMD60	Pig	Sus scrofa	1	Minimum Number of Elements	1	11	Calcaneus	Whole	- 2 1/2 years	0	-	-	0	-	-	
122	Backdirt from excavation for CB 10-5	33	4	ZBD09	Chicken	Gallus gallus	1	Minimum Number of Elements	1	1	Humerus	Distal fragment	-	0	-	-	0	-	-	

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123	Backdirt from excavation for CB 10-5	33	5	ZMD70	Cow	Bos taurus	4	Minimum Number of Meat Cuts	1	77	Scapula	Shaft section	-	99	-	Sawed	0	-	-	
124	Backdirt from excavation of MH 178, 4.5' bgs	34	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	316	Femur	Distal section	+ 3 1/2 years	404	-	Sawed	0	-	-	
125	Backdirt from excavation of MH 178, 4.5' bgs	34	2	ZMD70	Cow	Bos taurus	7	Minimum Number of Meat Cuts	5	96	Thoracic Vertebra	Section	-	0	-	Cleaved	0	-	-	
126	Backdirt from excavation of MH 178, 4.5' bgs	34	3	ZMD70	Cow	Bos taurus	2	Minimum Number of Meat Cuts	2	73	Rib	Proximal section	-	280	-	Sawed	0	-	-	
127	Backdirt from excavation of MH 178, 4.5' bgs	34	4	ZMD70	Cow	Bos taurus	4	Minimum Number of Meat Cuts	2	59	Rib	Shaft section	-	278	-	Sawed	0	-	-	
128	Backdirt from excavation of MH 178, 4.5' bgs	34	5	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	16	Rib	Distal section	-	274	-	Sawed	0	-	-	
129	Backdirt from excavation of MH 178, 4.5' bgs	34	6	ZMZ05	Large Mammal		4	-	0	4	Unidentified	Fragment	-	0	-	-	0	-	-	
130	Backdirt from excavation of MH 178, 4.5' bgs	34	7	ZMD35	Sheep	Ovis aries	2	Minimum Number of Elements	1	6	Tibia	Distal fragment	+ 2 years	0	-	-	0	Presence	-	
131	Backdirt from excavation of MH 178, 4.5' bgs	34	8	ZMZ04	Medium Mammal		1	Minimum Number of Elements	1	2	Rib	Shaft	-	0	-	-	0	-	-	
132	Backdirt from excavation of MH 178, 4.5' bgs	34	9	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	31	Humerus	Shaft	-	0	-	Chopped	0	-	-	
133	Backdirt from excavation of MH 178, 4.5' bgs	34	10	ZXG71	Fulgur Welk	Busycon	1	Minimum Number of Elements	1	12	Shell	Whole	-	0	-	-	0	-	-	
44	T 8, 12.5' east, 1.5' bgs	42	1	ZBZ01	Unidentified Bird		1	-	0	1	Longbone	Fragment	-	0	-	-	0	Calcined	-	
45	T 8, 21 - 31' from west end, 1 - 1.5' bgs	44	1	ZMZ04	Medium Mammal		1	-	0	1	Longbone	Fragment	-	0	-	-	0	Calcined	-	
43	EU3 S1 L2, interior Feat 2	56	1	ZXP01	Oyster/Clam		1	Minimum Number of Elements	1	1	Shell	Fragment	-	0	-	-	0	-	-	
28	EU3 S1 L3, interior Feat 2	57	1	ZXP01	Oyster/Clam		1	Minimum Number of Elements	1	1	Shell	Fragment	-	0	-	-	0	-	Water worn	
46	T 9, 14 - 24', 0 - 0.5' bgs, during screening	71	1	ZMZ04	Medium Mammal		1	-	0	1	Unidentified	Fragment	-	0	-	-	0	Calcined	-	
47	Electric trench in front of B112 ADA ramp on Andes Rd	80	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	31	Rib	Proximal section	-	277	-	Sawed	0	-	-	
48	Electric trench in front of B112 ADA ramp on Andes Rd	80	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	28	Rib	Proximal section	-	280	Carnivore	Sawed	10	-	-	
50	T 10 segment 2, Strat3, from trowel scraping	83	1	ZMZ05	Large Mammal		3	Minimum Number of Meat Cuts	1	8	Longbone	Section	-	0	-	Sawed	0	Presence	-	
67	EU5 S2 L1, screened, 14 - 24" bgs, Hay Rd	86	1	ZXP10	Oyster	Crassostrea virginica	4	Minimum Number of Elements	4	85	Shell	Whole	-	0	-	-	0	-	-	
144	T 10 segment 3, Strat 3, from trowel 2.6' east of west end, approx 1.6'bgs	88	1	ZMD70	Cow	Bos taurus	17	Minimum Number of Elements	1	65	Atlas	Partial	-	0	-	-	0	-	-	
30	Electric trench, Hay Rd, NW of B410, Strat 1	92	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	91	Scapula	Shaft section	1-1 1/4 years	0	-	Sawed	0	-	-	
61	T 10 segment 5, Strat 1, Andes Rd, shovel and trowel, in subbase	93	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	16	Lumbar Vertebra	Section	-	0	-	Cleaved	0	-	-	

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100	T 10 segment 4, west side, Strat 3, Andes Rd.	95	1	ZMD70	Cow	Bos taurus	2	Minimum Number of Meat Cuts	1	14	Femur	Proximal section	Neonate (< than 6 months)	425	-	Sawed	0	-	-	
101	T 10 segment 4, west side, Strat 3, Andes Rd.	95	2	ZMZ04	Medium Mammal		2	Minimum Number of Elements	1	1	Vertebra	Epiphysis	Unfused	0	-	-	0	-	-	
102	T 10 segment 4, west side, Strat 3, Andes Rd.	95	3	ZMD35	Sheep	Ovis aries	1	Minimum Number of Meat Cuts	1	3	Cervical Vertebra	Section	-	0	-	Cleaved	0	-	-	
103	T 10 segment 4, west side, Strat 3, Andes Rd.	95	4	ZMZ05	Large Mammal		3	-	0	3	Unidentified	Fragment	-	0	-	-	0	-	-	
104	T 10 segment 4, west side, Strat 3, Andes Rd.	95	5	ZXP01	Oyster/Clam		1	Minimum Number of Elements	1	1	Shell	Partial	-	0	-	-	0	-	-	Lucine?
4	T 10 segment 4, east 1/2, Strat 3, shovel and trowel, Andes Rd.	97	1	ZMD60	Pig	Sus scrofa	4	Minimum Number of Elements	1	1	Metacarpus/Metatarsus	Proximal fragment	-	0	-	-	0	-	-	Weathering present
13	T 10 segment 5, Strat 3, 1.5 - 2' bgs, shovel and trowel, Andes Rd.	100	1	ZMD35	Sheep	Ovis aries	1	Minimum Number of Meat Cuts	1	15	Innominate - Ilium	Section	Adult	0	-	Cleaved	0	-	-	Cut On Body
35	T 10 segment 5, Strat 2, 1 - 1.5' bgs, shovel and trowel, Andes Rd.	101	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Elements	1	29	Scaphoid	Whole	-	0	-	-	0	-	-	
29	Wood bench footing, Carder Rd., north of B110 0 - 2'4" bgs, backdirt	102	1	ZMD60	Pig	Sus scrofa	1	Minimum Number of Elements	1	17	Humerus	Shaft	Neonate (< than 6 months)	0	-	-	0	Presence	-	
105	Water main isolation/disconnect trench, Carder Rd. at B110, 0 - 6' bgs, backdirt	103	1	ZMD70	Cow	Bos taurus	5	Minimum Number of Elements	1	13	Rib	Shaft	-	0	-	-	0	-	-	
96	Wood bench footing, Soissons Landing, backdirt	105	1	ZMD35	Sheep	Ovis aries	1	Minimum Number of Elements	1	34	Femur	Partial	+ 3 1/2 years	0	-	-	0	Presence	-	
97	Wood bench footing, Soissons Landing, backdirt	105	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	14	Thoracic Vertebra	Section	Unfused	0	-	Cleaved	0	-	-	
98	Wood bench footing, Soissons Landing, backdirt	105	3	ZMD70	Cow	Bos taurus	1	Minimum Number of Elements	1	21	Metacarpus	Shaft	Neonate (< than 6 months)	0	-	-	0	Presence	-	
62	Trench for water north of B110 near Ferry Line Rd., backdirt	107	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	75	Elbow - Radius/Ulna	Distal section	+ 3 1/2 years	735	-	Chopped	0	-	-	
63	Trench for water north of B110 near Ferry Line Rd., backdirt	107	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	52	Tibia	Shaft section	-	0	-	Sawed	0	-	-	
66	T 11 north segment, Strat 2, shovel and trowel, Ft. Columbus elec trench	108	1	ZXP10	Oyster	Crassostrea virginica	3	Minimum Number of Elements	3	87	Shell	Partial	-	0	-	-	0	-	-	
91	Electric trench segment 7, north of B110, Carder Rd.	115	1	ZMD60	Pig	Sus scrofa	1	Minimum Number of Elements	1	6	Metacarpus	Partial	- 2 years	0	-	-	0	-	-	
87	T 11 center segment, Strat 2, trowel and shovel	116	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Elements	1	4	Rib	Shaft	-	0	-	-	0	-	-	
88	T 11 center segment, Strat 2, trowel and shovel	116	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	30	Rib	Proximal section	-	280	-	Sawed	0	-	-	
41	T 11 south segment, Strat 1, screened	117	1	ZMD70	Cow	Bos taurus	12	Minimum Number of Meat Cuts	1	33	Radius	Proximal section	+ 1 1/2 years	185	-	Sawed	0	Presence	-	
40	EU9 S2 L1	124	1	ZMD70	Cow	Bos taurus	2	Minimum Number of Meat Cuts	1	10	Tibia	Shaft	-	0	-	Sawed	0	Presence	-	
74	Soils at B110, backdirt	132	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	28	Rib	Proximal section	-	277	-	Sawed	0	-	-	

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42	Water fountain trench at B110, Strat 1	134	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	27	Rib	Proximal section	-	280	Carnivore	Sawed	10	Presence	-	
5	Soils at B110, backdirt	135	1	ZMD70	Cow	Bos taurus	2	Minimum Number of Elements	1	3	Rib	Distal fragment	-	0	-	-	0	-	Porous	
71	EU6 S2 L2	137	1	ZMZ04	Medium Mammal		1	-	0	2	Longbone	Shaft	-	0	-	-	0	Charred/black	-	
72	EU6 S2 L2	137	2	ZMZ04	Medium Mammal		1	-	0	1	Unidentified	Fragment	-	0	-	-	0	-	-	
73	EU6 S2 L2	137	3	ZMZ04	Medium Mammal		1	Minimum Number of Elements	1	2	Femur	Shaft	-	0	-	-	0	-	-	
9	EU6 S2 L3	138	1	ZMD70	Cow	Bos taurus	3	Minimum Number of Elements	1	7	Rib	Shaft	-	0	Carnivore	Cut marks(s) on body	10	-	-	
10	EU6 S2 L3	138	2	ZMZ04	Medium Mammal		1	Minimum Number of Meat Cuts	1	1	Humerus	Shaft	-	0	-	Cleaved	0	-	-	Possibly Pig
11	EU6 S2 L3	138	3	ZMZ05	Large Mammal		2	-	0	1	Unidentified	Fragment	-	0	-	Chopped	0	-	-	
12	EU6 S2 L3	138	4	ZMZ04	Medium Mammal		1	-	0	1	Vertebra	Fragment	-	0	-	-	0	-	-	
24	EU6 S2 L4	139	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	2	Cervical Vertebra	Epiphysis	Unfused	0	-	Cleaved	0	-	-	
25	EU6 S2 L4	139	2	ZMZ04	Medium Mammal		1	Minimum Number of Elements	1	1	Rib	Shaft	-	0	-	-	0	-	-	
26	EU6 S2 L4	139	3	ZMD60	Pig	Sus scrofa	1	Minimum Number of Elements	1	1	Cervical Vertebra	Fragment	Neonate (< than 6 months)	0	-	-	0	-	-	
27	EU6 S2 L4	139	4	ZBZ01	Unidentified Bird		1	Minimum Number of Elements	1	1	Phalange	Partial	-	0	-	-	0	-	-	
92	Electric trench, at E box, 6" bgs, 16" above conduit at SE corner of St. Cornelius	141	2	ZMD35	Sheep	Ovis aries	1	Minimum Number of Elements	1	23	Tibia	Proximal fragment	- 4.5 years	0	-	-	0	-	-	
8	Con Ed/Phase 1 gas trench	144	1	ZMD70	Cow	Bos taurus	2	Minimum Number of Meat Cuts	1	8	Thoracic Vertebra	Dorsal spine	-	0	-	Cleaved	0	Presence	-	
89	Soils at B110, 14.6'ASL	146	1	ZMD70	Cow	Bos taurus	3	Minimum Number of Meat Cuts	1	161	Tibia	Proximal section	-	0	-	Sawed	0	-	-	
90	Soils at B110, 14.6'ASL	146	2	ZMD35	Sheep	Ovis aries	1	Minimum Number of Meat Cuts	1	13	Radius	Proximal section	+ 1/4 year	0	-	Chopped	0	Presence	-	Cut On Body
77	Con Ed/Phase 1 gas trench	147	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	521	Tibia	Partial	- 3 1/2 years	470	-	Cleaved	0	Presence	-	Cut On Body
78	Con Ed/Phase 1 gas trench	147	2	ZMD70	Cow	Bos taurus	2	Minimum Number of Meat Cuts	1	23	Rib	Shaft section	-	278	-	Sawed	0	-	-	
79	Con Ed/Phase 1 gas trench	147	3	ZMD35	Sheep	Ovis aries	2	Minimum Number of Elements	1	27	Tibia	Distal fragment	+ 3 1/2 years	0	-	Cut marks(s) on body	0	-	-	
64	Electric trench near B110, Andes Rd., TA-1.003 light box	150	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	119	Radius	Proximal section	+ 3 1/2 years	181	-	Sawed	0	-	-	
65	Electric trench near B110, Andes Rd., TA-1.003 light box	150	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Elements	1	3	Rib	Fragment	-	0	-	-	0	-	-	
134	Electric trench connection to TA-1.002	151	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	28	Rib	Proximal section	-	280	Rodent	Chopped	3	-	-	

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135	Electric trench connection to TA-1.002	151	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	17	Lumbar Vertebra	Section	-	0	-	Cleaved	0	-	-	
136	Electric trench connection to TA-1.002	151	3	ZMD70	Cow	Bos taurus	2	Minimum Number of Elements	1	67	Innominate - Pubis	Fragment	-	0	-	Cut marks(s) on body	0	-	-	
137	Electric trench connection to TA-1.002	151	4	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	30	Scapula	Shaft section	-	0	-	Sawed	0	-	-	
36	TA-1.008, Andes Rd., Strat. 2	152	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	68	Ulna	Proximal section	-	146	Carnivore	Chopped	10	-	-	
23	Soils at Ferry landing; 33" below bench footing	156	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	42	Elbow - Radius/Ulna	Shaft section	Adult	736	-	Sawed	0	-	-	2 5/8"
80	Soils west of ferry landing	158	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	13	Rib	Shaft section	-	278	-	Sawed	0	-	-	
81	Soils west of ferry landing	158	2	ZMD70	Cow	Bos taurus	1	Minimum Number of Elements	1	23	Tibia	Shaft	-	0	-	-	0	-	-	
138	Grading @ South Battery	159	1	ZMD70	Cow	Bos taurus	2	Minimum Number of Meat Cuts	2	621	Elbow - Radius/Ulna	Shaft section	+ 1 1/2 years	183	-	Sawed	0	Partially burned	-	Cut On Body
139	Grading @ South Battery	159	2	ZMD60	Pig	Sus scrofa	1	Minimum Number of Elements	1	78	Humerus	Proximal fragment	- 3 1/2 years	0	-	-	0	-	-	
140	Grading @ South Battery	159	3	ZMD35	Sheep	Ovis aries	1	Minimum Number of Elements	1	9	Metatarsus	Whole	- 2 years	0	-	-	0	-	-	
141	Grading @ South Battery	159	4	ZMD70	Cow	Bos taurus	1	Minimum Number of Elements	1	11	Rib	Shaft	-	0	-	Cut marks(s) on body	0	-	-	
142	Grading @ South Battery	159	5	ZMD70	Cow	Bos taurus	1	Minimum Number of Elements	1	6	Lumbar Vertebra	Dorsal spine	-	0	-	-	0	-	-	
143	Grading @ South Battery	159	6	ZMZ05	Large Mammal		1	-	0	5	Longbone	Fragment	-	0	-	Cut marks(s) on body	0	-	-	
82	Grading @ South Battery, west side B12 Section C	160	1	ZMD35	Sheep	Ovis aries	1	Minimum Number of Meat Cuts	1	26	Radius	Distal section	+ 3 1/2 years	0	-	Chopped	0	-	-	
93	Grading @ South Battery, pathway near B301 and Barry Rd.	165	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	33	Femur	Shaft section	-	0	-	Sawed	0	-	-	
58	TA.133 light pole, 6' bgs	168	1	ZXP10	Oyster	Crassostrea virginica	3	Minimum Number of Elements	3	164	Shell	Whole	-	0	-	-	0	-	-	
59	TA.133 light pole, 6' bgs	168	2	ZMW70	Deer (White-Tailed)	Odocoileus virginianus	3	Minimum Number of Elements	1	42	Right Mandible	Partial	+ 2 1/2 years	0	-	-	0	-	-	
37	TA.133 light pole, screened backdirt	169	1	ZXP60	Scallop	Pectinidae	2	Minimum Number of Elements	1	1	Shell	Fragment	-	0	-	-	0	-	-	
38	TA.133 light pole, screened backdirt	169	2	ZXP10	Oyster	Crassostrea virginica	1	Minimum Number of Elements	1	2	Shell	Fragment	-	0	-	-	0	-	-	
39	TA.133 light pole, screened backdirt	169	3	ZXG50	Slipper Shell	Crepidula	1	Minimum Number of Elements	1	1	Shell	Whole	-	0	-	-	0	-	-	
49	TA.018 STP5.2, Andes Rd. site	171	1	ZMD10	Cat	Felis domesticus	1	Minimum Number of Elements	1	1	Innominate - Acetabulum	Fragment	-	0	-	-	0	-	-	
53	French drain trench in Ferry Line Rd.	173	1	ZMD70	Cow	Bos taurus	1	Minimum Number of Meat Cuts	1	128	Femur	Shaft section	-	441	-	Sawed	0	Presence	-	2 1/2"

GOVERNORS ISLAND PARK AND PUBLIC SPACE PROJECT FAUNAL TABLE

Row #	Context	Bag #	Item #	Species code	Species Name	Latin Name	TNF count	MNU Adjective	MNU count	Wt. (gram)	Skeletal Element	Element Part	Age	Illustrated meat cut code	Gnaw Translation	Cut Mark	Gnaw Mark	Heat Exposure Translation	Weathering Translations	Note Field
22	Irrigation trench, 24" bgs	177	1	ZMD35	Sheep	Ovis aries	1	Minimum Number of Elements	1	8	Tibia	Distal fragment	- 1 3/4 years	0	-	-	0	Presence	-	
95	Electric trench for irrigation connection, Barry Rd. segment	182	1	ZMD35	Sheep	Ovis aries	1	Minimum Number of Meat Cuts	1	12	Femur	Distal fragment	- 3 1/2 years	0	-	-	0	-	-	
94	Electric trench for sign post 6-29" bgs	195	1	ZMD35	Sheep	Ovis aries	1	Minimum Number of Meat Cuts	1	6	Innominate - Ilium	Section	-	0	-	Sawed	0	-	-	
75	Grading in Hay Rd., northwest of monument 10" bgs	196	1	ZMD35	Sheep	Ovis aries	1	Minimum Number of Elements	1	24	Femur	Partial	-	0	-	-	0	Polished, flaking cortex	-	
60	Kelco sign post #23, strat 2, 2.7' bgs	199	1	ZMD70	Cow	Bos taurus	2	Minimum Number of Meat Cuts	1	67	Cervical Vertebra	Section	Unfused	0	-	Cleaved	0	-	Flaking cortex	

Appendix D
New York State Historic Site
Archaeological Inventory Forms



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

For Office Use Only--Site Identifier_

Project Identifier 11PR03265

Your Name Linda Stone Date 1/17/14
Address 249 E. 48 St, #12 B, New York, NY Phone (212) 888-3130

Organization (if any) _____

1. SITE IDENTIFIER(S) c. 1900 Pump Room for Gasoline Tank (Feature 1 of Park and Public Space project) on Governors Island

2. COUNTY New York

One of the following:

CITY New York

TOWNSHIP _____

INCORPORATED VILLAGE _____

UNINCORPORATED VILLAGE OR HAMLET _____

3. PRESENT OWNER The Trust for Governors Island
Address 10 South St., Slip 7, New York, NY 10004

4. SITE DESCRIPTION (check all appropriate categories): most of a subterranean brick superstructure with concrete floor and vaulted roof

Superstructure: complete _____ partial X collapsed _____ not evident _____

Foundation: above _____ below X (ground level) not evident _____

_____ Structural subdivisions apparent _____ Only surface traces visible

X Buried traces detected

List construction materials (be as specific as possible): Brick, mortar and concrete

Grounds – beneath grassy area

_____ Under cultivation _____ Sustaining erosion _____ Woodland _____ Upland

_____ Never cultivated _____ Previously cultivated _____ Floodplain _____ Pastureland

Soil Drainage: excellent _____ good x fair _____ poor _____

Distance to nearest water from structure (approx.) approximately 100 feet to New York Harbor

Elevation: ground surface approximately is 18 feet above sea level, the top of the archaeological remains are 2 feet below ground surface and extend to a depth of approximately 9 feet above sea level.

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____ Site map (submit with form*)

Collection _____

Subsurface -- date(s) 10/5/12 - 1/24/13

Testing: shovel 2 coring _____ other _____ unit size _____

no. units 2 (Submit plan of units with form*)

Excavation: unit size 2 x 3 and 2.5 x 3.5 feet no. of units 2

(Submit plan of units with form*)

* Submission should be 8 1/2" by 11", if feasible

Investigator Linda Stone

Manuscript or published report (s) (reference fully): *Report on Archaeological Work Conducted for the Governors Island Park and Public Space Project: Phase 1, Governors Island, New York, New York. Prepared for the Trust for Governors Island by Linda Stone, RPA.*

Present repository of materials : *The Trust for Governors Island*

6. Site inventory:

a. Date constructed or occupation period *c. 1900*

b. Previous owners, if known *US Army*

c. Modifications, if known _____

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name *J. M. Hilton Map* Date *1906* Source *National Archives, College Park, MD*

Present location of original, if known _____

2) Name _____ Date _____ Source _____

Present location of original, if known _____

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

d. Persons with memory of site *n/a*

1) Name _____ Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

flask, partial tumbler, mug, plate sherds, butchered bone (Context FB 26)

If prehistoric materials are evident, check here and fill out prehistoric site form. ____

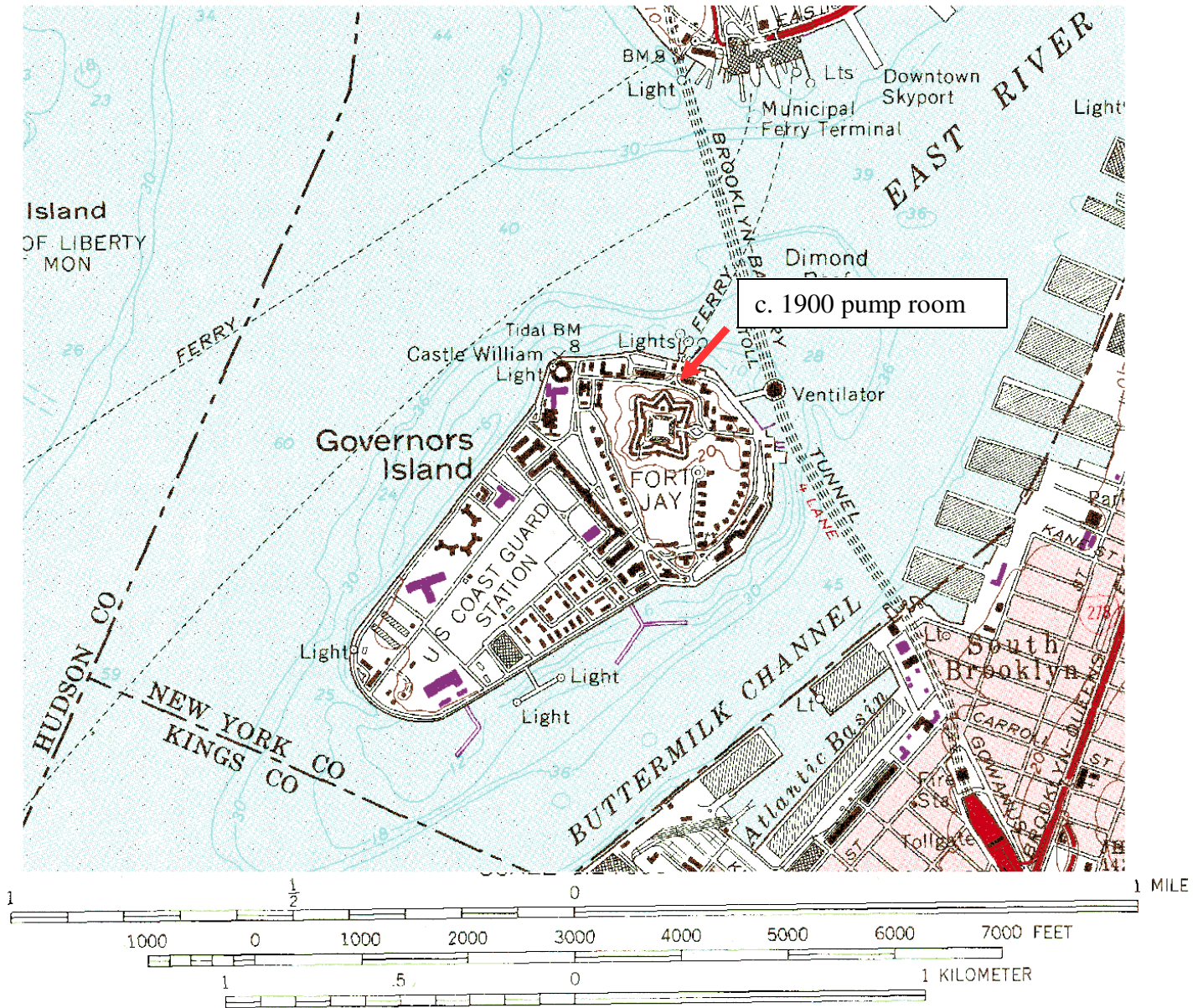
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 7½ Minute Series Quad. Name *Jersey City*

For Office Use Only--UTM Coordinates _____

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

Part of the USGS Jersey City 7.5 minute quadrangle showing Governors Island and the location of the archaeological remains of c. 1900 pump room/gasoline tank mapped in 1906, Feature 1 of the Governors Island Park and Public Space Project.





NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION

(518) 237-8643

For Office Use Only--Site Identifier_

Project Identifier 11PR03265

Your Name Linda Stone

Date 1/17/14

Address 249 E. 48 St, #12 B, New York, NY

Phone (212) 888-3130

Organization (if any) _____

1. SITE IDENTIFIER(S) c. 1900 Pump Room/Lead House (Feature 2 of Park and Public Space project) on Governors Island

2. COUNTY New York

One of the following:

CITY New York

TOWNSHIP _____

INCORPORATED VILLAGE _____

UNINCORPORATED VILLAGE OR HAMLET _____

3. PRESENT OWNER The Trust for Governors Island

Address 10 South St., Slip 7, New York, NY 10004

4. SITE DESCRIPTION (check all appropriate categories): part of a subterranean brick superstructure with concrete floor

Superstructure: complete _____ partial X collapsed _____ not evident _____

Foundation: above _____ below X (ground level) not evident _____

_____ Structural subdivisions apparent _____ Only surface traces visible

X Buried traces detected

List construction materials (be as specific as possible): Brick, mortar and concrete

Grounds – beneath grassy area

_____ Under cultivation _____ Sustaining erosion _____ Woodland _____ Upland

_____ Never cultivated _____ Previously cultivated _____ Floodplain _____ Pastureland

Soil Drainage: excellent _____ good _____ fair X poor _____

Distance to nearest water from structure (approx.) approximately 140 feet to New York Harbor

Elevation: ground surface approximately is 18 feet above sea level, the top of the archaeological remains are approximately 15 feet above sea level and the bottom 11.5 feet asl.

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____

Site map (submit with form*)

Collection _____

Subsurface -- date(s) 1/4/12 - 2/6/13

Testing: shovel _____ coring _____ other _____ unit size _____

no. units 2 (Submit plan of units with form*)

Excavation: unit size 2 x 3 and 3 x 3 feet no. of units 2

(Submit plan of units with form*)

* Submission should be 8 1/2" by 11", if feasible

Investigator Linda Stone

Manuscript or published report (s) (reference fully): *Report on Archaeological Work Conducted for the Governors Island Park and Public Space Project: Phase 1, Governors Island, New York, New York. Prepared for the Trust for Governors Island by Linda Stone, RPA.*

Present repository of materials : *The Trust for Governors Island*

6. Site inventory:

a. Date constructed or occupation period *c. 1900*

b. Previous owners, if known *US Army*

c. Modifications, if known _____

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name *1906 Hilton Map* Date *1906* Source *National Archives, College Park, MD*

Present location of original, if known _____

2) Name _____ Date _____ Source _____

Present location of original, if known _____

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

d. Persons with memory of site *n/a*

1) Name _____ Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

ceramic sherds, glass sherds, corroded metal (nails), shell fragments, fabric (Contexts FB 55-61)

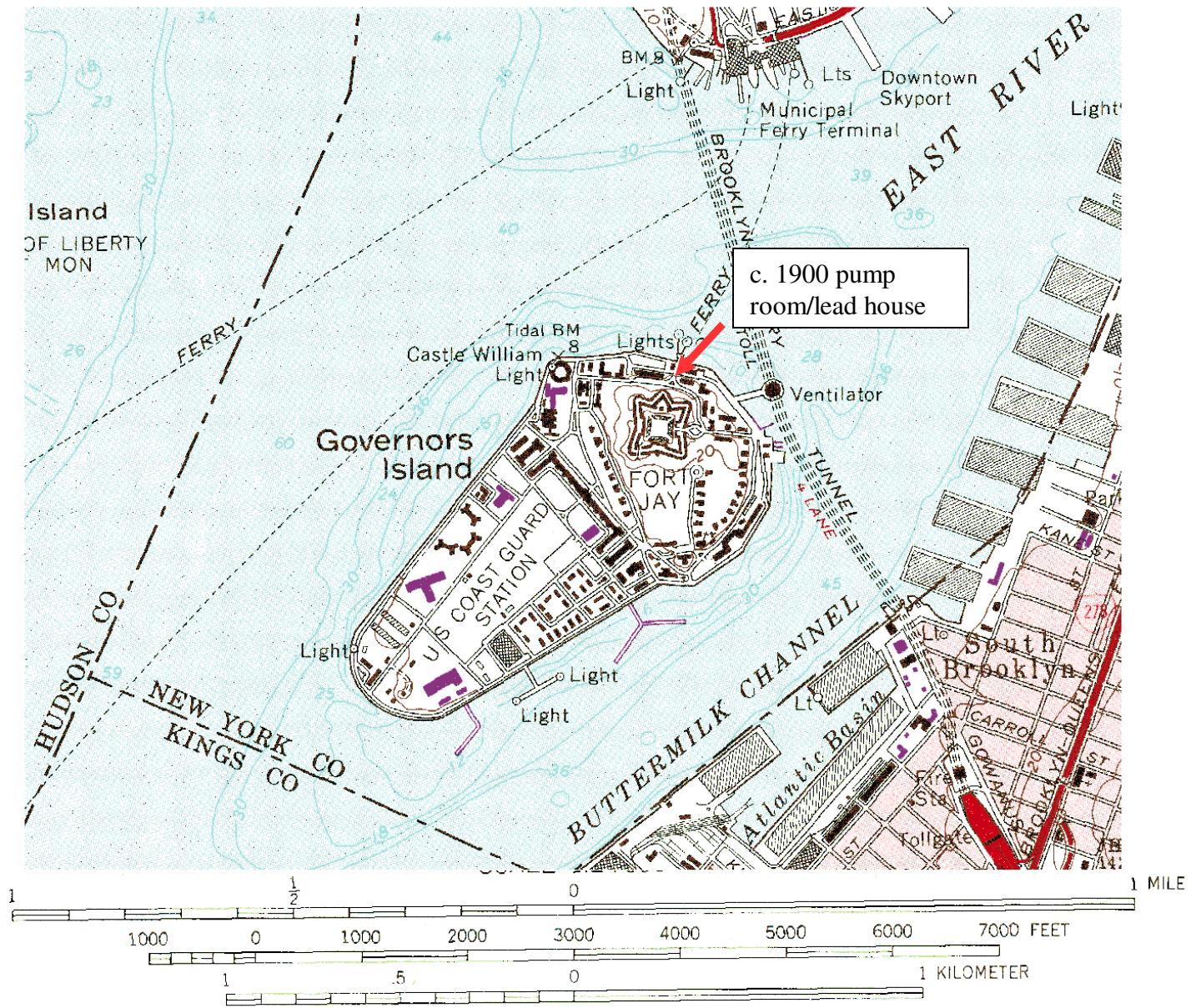
If prehistoric materials are evident, check here and fill out prehistoric site form. _____

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

USGS 71/2 Minute Series Quad. Name *Jersey City*

For Office Use Only--UTM Coordinates _____

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



Part of the USGS Jersey City 7.5 minute quadrangle showing Governors Island and the location of the archaeological remains of the c. 1900 pump room/lead house, Feature 2 of the Governors Island Park and Public Space Project.



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

For Office Use Only--Site Identifier_

Project Identifier 11PR03265

Your Name Linda Stone Date 1/17/14
Address 249 E. 48 St, #12 B, New York, NY Phone (212) 888-3130

Organization (if any) _____

1. SITE IDENTIFIER(S) Unknown partial concrete foundation with partial brick exterior surface (Feature 3 of Park and Public Space project) on Governors Island

2. COUNTY New York

One of the following:

CITY New York

TOWNSHIP _____

INCORPORATED VILLAGE _____

UNINCORPORATED VILLAGE OR HAMLET _____

3. PRESENT OWNER The Trust for Governors Island
Address 10 South St., Slip 7, New York, NY 10004

4. SITE DESCRIPTION (check all appropriate categories): part of a concrete foundation and partial brick surface on the exterior

Superstructure: complete _____ partial _____ collapsed ___ not evident X

Foundation: above ___ below X (ground level) not evident ___

___ Structural subdivisions apparent ___ Only surface traces visible

X Buried traces detected

List construction materials (be as specific as possible): Brick, mortar and concrete

Grounds – beneath grassy area

___ Under cultivation ___ Sustaining erosion ___ Woodland ___ Upland

___ Never cultivated ___ Previously cultivated ___ Floodplain ___ Pastureland

Soil Drainage: excellent ___ good ___ fair X poor ___

Distance to nearest water from structure (approx.) approximately 110 feet to New York Harbor

Elevation: ground surface is approximately 11 feet above sea level, the top of the archaeological remains are approximately 9.1 – 9.4 feet above sea level.

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____ Site map (submit with form*)

Collection _____

Subsurface -- date(s) 10/15/12 and 3/29/13 – feature was exposed during monitoring and preserved

Testing: shovel ___ coring ___ other ___ unit size _____

no. units _____ (Submit plan of units with form*)

Excavation: unit size _____ no. of units _____

(Submit plan of units with form*)

* Submission should be 8 ½" by 11", if feasible

Investigator Linda Stone

Manuscript or published report (s) (reference fully): *Report on Archaeological Work Conducted for the Governors Island Park and Public Space Project: Phase 1, Governors Island, New York, New York. Prepared for the Trust for Governors Island by Linda Stone, RPA.*

Present repository of materials : The Trust for Governors Island

6. Site inventory:

a. Date constructed or occupation period unknown

b. Previous owners, if known US Army

c. Modifications, if known _____

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary): no previous documentation was found

a. Historic map references

1) Name _____ Date _____ Source _____

Present location of original, if known _____

2) Name _____ Date _____ Source _____

Present location of original, if known _____

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

d. Persons with memory of site n/a

1) Name _____ Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): none

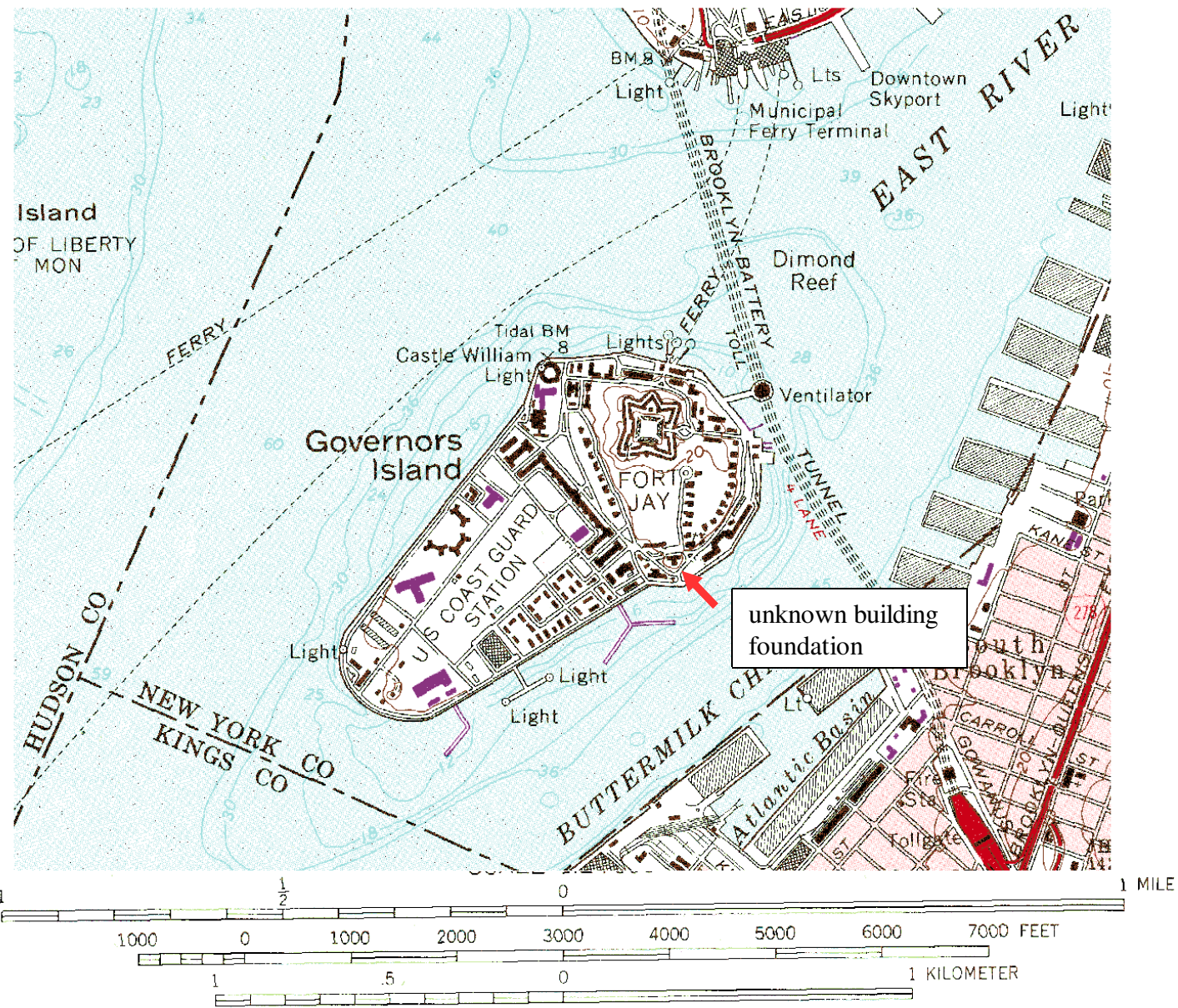
If prehistoric materials are evident, check here and fill out prehistoric site form. _____

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

USGS 7 1/2 Minute Series Quad. Name Jersey City

For Office Use Only--UTM Coordinates _____

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



Part of the USGS Jersey City 7.5 minute quadrangle showing Governors Island and the location of the archaeological remains of the unknown building foundation, Feature 3 of the Governors Island Park and Public Space Project.



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

For Office Use Only--Site Identifier_

Project Identifier 11PR03265

Your Name Linda Stone Date 1/21/14
Address 249 E. 48 St, #12 B, New York, NY Phone (212) 888-3130

Organization (if any) _____

1. SITE IDENTIFIER(S) Compost heap (Feature 5 of Park and Public Space project) on Governors Island

2. COUNTY New York

One of the following:

CITY New York

TOWNSHIP _____

INCORPORATED VILLAGE _____

UNINCORPORATED VILLAGE OR HAMLET _____

3. PRESENT OWNER The Trust for Governors Island

Address 10 South St., Slip 7, New York, NY 10004

4. SITE DESCRIPTION (check all appropriate categories): buried organic deposit that was historically stored compost

Superstructure: complete _____ partial _____ collapsed _____ not evident X

Foundation: above _____ below _____ (ground level) not evident X

____ Structural subdivisions apparent _____ Only surface traces visible

____ Buried traces detected

List construction materials (be as specific as possible): n/a

Grounds – beneath former driveway removed as part of this project

____ Under cultivation _____ Sustaining erosion _____ Woodland _____ Upland

____ Never cultivated _____ Previously cultivated _____ Floodplain _____ Pastureland

Soil Drainage: excellent _____ good _____ fair _____ poor X

Distance to nearest water from structure (approx.) approximately 33 feet to New York Harbor

Elevation: ground surface is approximately 8.2 feet above sea level, the top of the archaeological remains of the compost heap are approximately 4.8 feet above sea level and extend to at least elevation 3 feet above sea level.

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____ Site map (submit with form*)

Collection _____

Subsurface -- date(s) 5/17/13 – feature was exposed during monitoring, partially preserved and reburied

Testing: shovel _____ coring _____ other _____ unit size _____

no. units _____ (Submit plan of units with form*)

Excavation: unit size _____ no. of units _____

(Submit plan of units with form*)

* Submission should be 8 ½" by 11", if feasible

Investigator Linda Stone

Manuscript or published report (s) (reference fully): *Report on Archaeological Work Conducted for the Governors Island Park and Public Space Project: Phase 1, Governors Island, New York, New York. Prepared for the Trust for Governors Island by Linda Stone, RPA.*

Present repository of materials : *The Trust for Governors Island*

6. Site inventory:

a. Date constructed or occupation period *pre-1906*

b. Previous owners, if known *US Army*

c. Modifications, if known _____

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name *Hilton Map* Date *1906* Source *National Archives, College Park, MD*

Present location of original, if known _____

2) Name _____ Date _____ Source _____

Present location of original, if known _____

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

d. Persons with memory of site *n/a*

1) Name _____ Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): *none*

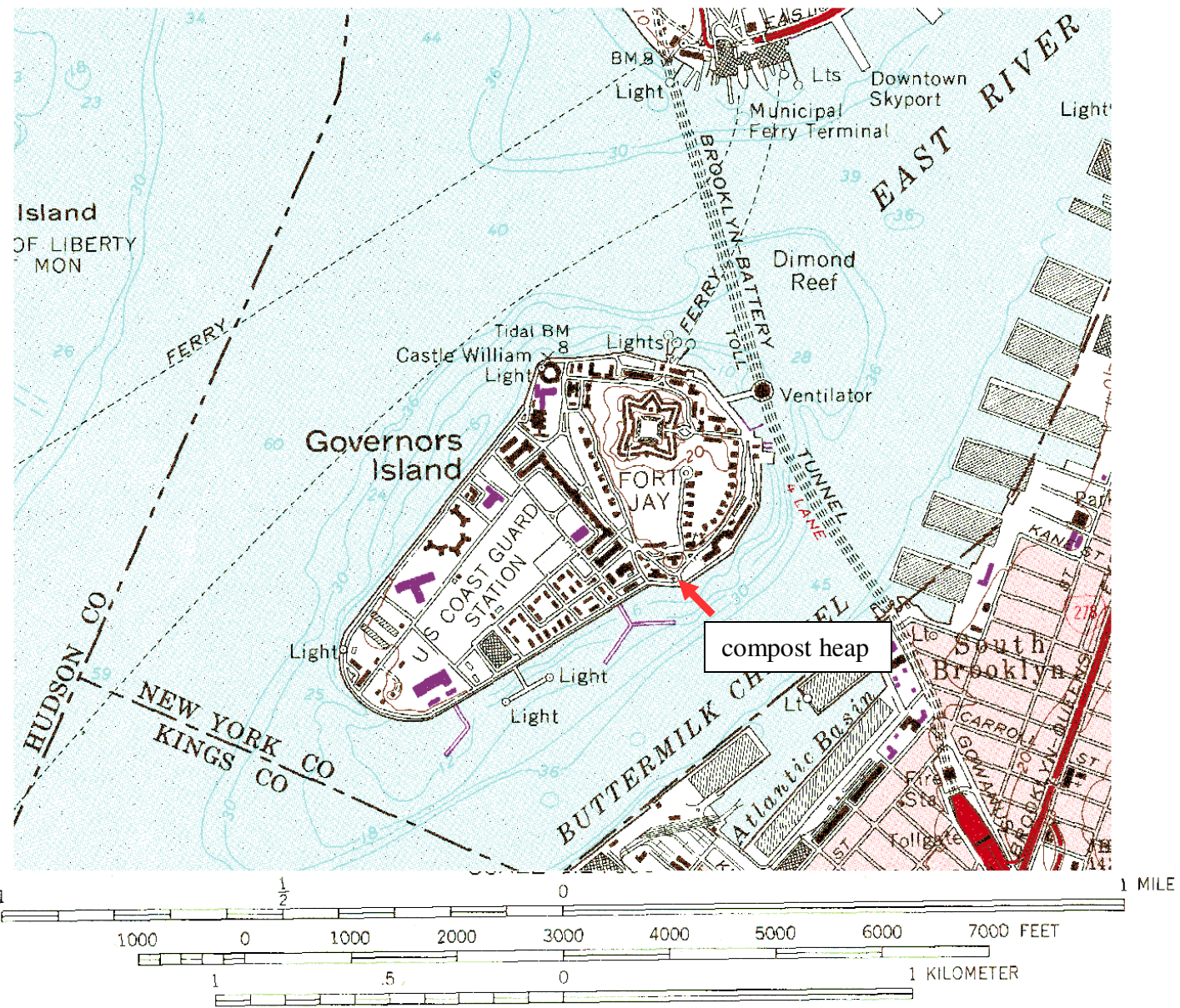
If prehistoric materials are evident, check here and fill out prehistoric site form. _____

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

USGS 71/2 Minute Series Quad. Name *Jersey City*

For Office Use Only--UTM Coordinates _____

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



Part of the USGS Jersey City 7.5 minute quadrangle showing Governors Island and the location of the archaeological remains of Compost Heap mapped in 1906, Feature 5 of the Governors Island Park and Public Space Project.



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

For Office Use Only--Site Identifier_

Project Identifier 11PR03265

Your Name Linda Stone Date 1/17/14
Address 249 E. 48 St, #12 B, New York, NY Phone (212) 888-3130

Organization (if any) _____

1. SITE IDENTIFIER(S) Conservatory (Feature 6 of Park and Public Space project) on Governors Island

2. COUNTY New York

One of the following:

CITY New York

TOWNSHIP _____

INCORPORATED VILLAGE _____

UNINCORPORATED VILLAGE OR HAMLET _____

3. PRESENT OWNER The Trust for Governors Island

Address 10 South St., Slip 7, New York, NY 10004

4. SITE DESCRIPTION (check all appropriate categories): buried foundation stone and brick conglomerate

Superstructure: complete _____ partial _____ collapsed _____ not evident X

Foundation: above _____ below _____ (ground level) not evident _____

_____ Structural subdivisions apparent _____ Only surface traces visible

X Buried traces detected

List construction materials (be as specific as possible): large foundation stones (1 possibly in situ) and large brick conglomerate, concrete and cinder block that was previously displaced

Grounds – beneath grassy area

_____ Under cultivation _____ Sustaining erosion _____ Woodland _____ Upland

_____ Never cultivated _____ Previously cultivated _____ Floodplain _____ Pastureland

Soil Drainage: excellent _____ good X fair _____ poor _____

Distance to nearest water from structure (approx.) approximately 150 feet to New York Harbor

Elevation: approximately 3 feet below ground surface at project finish grade.

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____ Site map (submit with form*)

Collection _____

Subsurface -- date(s) 4/8/13 – feature was exposed during monitoring, partially preserved and reburied

Testing: shovel _____ coring _____ other _____ unit size _____

no. units _____ (Submit plan of units with form*)

Excavation: unit size _____ no. of units _____

(Submit plan of units with form*)

* Submission should be 8 ½" by 11", if feasible

Investigator Linda Stone

Manuscript or published report (s) (reference fully): *Report on Archaeological Work Conducted for the Governors Island Park and Public Space Project: Phase 1, Governors Island, New York, New York. Prepared for the Trust for Governors Island by Linda Stone, RPA.*

Present repository of materials : *The Trust for Governors Island*

6. Site inventory:

a. Date constructed or occupation period *pre-1906*

b. Previous owners, if known *US Army*

c. Modifications, if known _____

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name *Hilton Map* Date *1906* Source *National Archives, College Park, MD*

Present location of original, if known _____

2) Name _____ Date _____ Source _____

Present location of original, if known _____

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

d. Persons with memory of site *n/a*

1) Name _____ Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): *displaced building demolition debris, ceramic sherds, glass sherds (Context FB 145)*

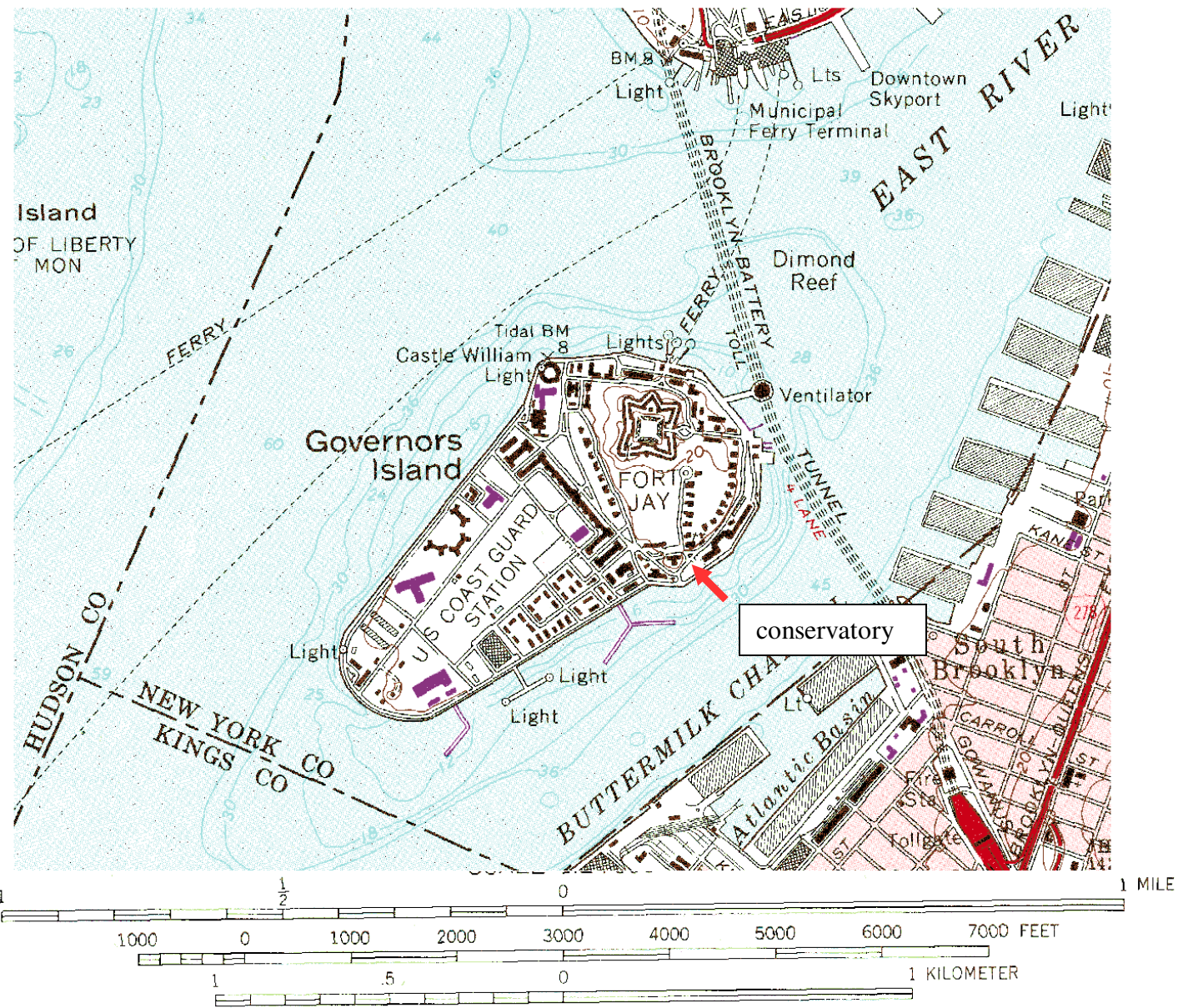
If prehistoric materials are evident, check here and fill out prehistoric site form. _____

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

USGS 7 ½ Minute Series Quad. Name *Jersey City*

For Office Use Only--UTM Coordinates _____

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



Part of the USGS Jersey City 7.5 minute quadrangle showing Governors Island and the location of the archaeological remains of Conservatory mapped in 1906, Feature 6 of the Governors Island Park and Public Space Project.



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

For Office Use Only--Site Identifier_

Project Identifier 11PR03265

Your Name Linda Stone Date 1/21/14
Address 249 E. 48 St, #12 B, New York, NY Phone (212) 888-3130

Organization (if any) _____

1. SITE IDENTIFIER(S) Laundress quarters (Feature 7 of Park and Public Space project) on Governors Island

2. COUNTY New York

One of the following:

CITY New York

TOWNSHIP _____

INCORPORATED VILLAGE _____

UNINCORPORATED VILLAGE OR HAMLET _____

3. PRESENT OWNER The Trust for Governors Island

Address 10 South St., Slip 7, New York, NY 10004

4. SITE DESCRIPTION (check all appropriate categories): buried concrete or stone foundation section

Superstructure: complete _____ partial _____ collapsed _____ not evident X

Foundation: above _____ below X (ground level) not evident _____

_____ Structural subdivisions apparent _____ Only surface traces visible

X Buried traces detected

List construction materials (be as specific as possible): concrete or stone foundation segment crossing excavation unit

Grounds – beneath grassy area

_____ Under cultivation _____ Sustaining erosion _____ Woodland _____ Upland

_____ Never cultivated _____ Previously cultivated _____ Floodplain _____ Pastureland

Soil Drainage: excellent _____ good X fair _____ poor _____

Distance to nearest water from structure (approx.) approximately 280 feet to Buttermilk Channel

Elevation: approximately 2.5 feet below ground surface.

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____ Site map (submit with form*)

Collection _____

Subsurface -- date(s) 4/3-9/13 – feature was exposed during testing and preserved and reburied

Testing: shovel _____ coring _____ other _____ unit size _____

no. units _____ (Submit plan of units with form*)

Excavation: unit size 6 x 2 no. of units 1

(Submit plan of units with form*)

* Submission should be 8 ½" by 11", if feasible

Investigator Linda Stone

Manuscript or published report (s) (reference fully): *Report on Archaeological Work Conducted for the Governors Island Park and Public Space Project: Phase 1, Governors Island, New York, New York. Prepared for the Trust for Governors Island by Linda Stone, RPA.*

Present repository of materials : *The Trust for Governors Island*

6. Site inventory:

a. Date constructed or occupation period *pre-1867*

b. Previous owners, if known *US Army*

c. Modifications, if known _____

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name *Barnard Map* Date *1867* Source *reproduced in site report*

Present location of original, if known _____

2) Name _____ Date _____ Source _____

Present location of original, if known _____

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

d. Persons with memory of site *n/a*

1) Name _____ Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): *ceramic sherd, glass sherd, milk glass sherd, corroded metal (Context FB 140)*

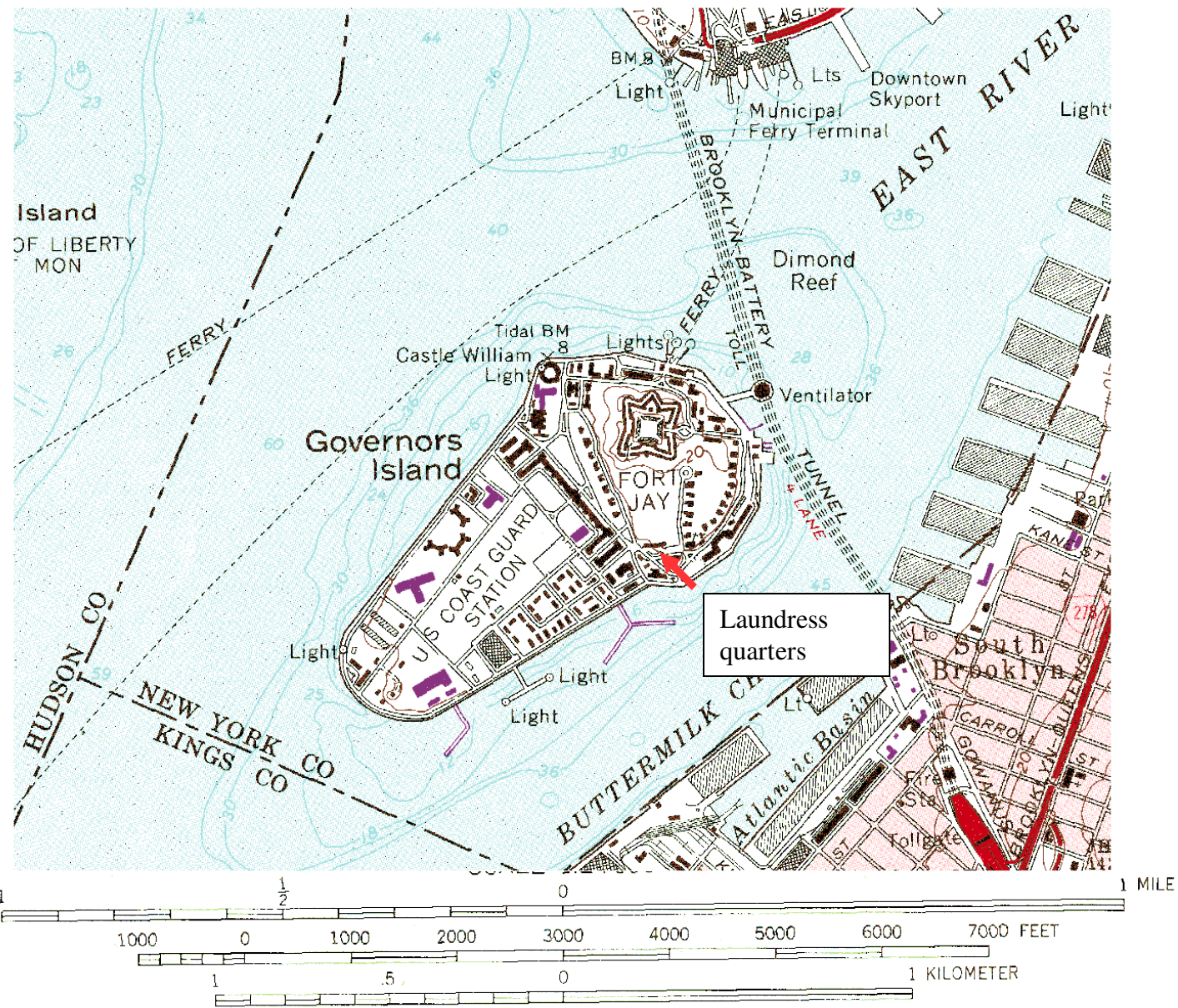
If prehistoric materials are evident, check here and fill out prehistoric site form. _____

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

USGS 7 ½ Minute Series Quad. Name *Jersey City*

For Office Use Only--UTM Coordinates _____

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



Part of the USGS Jersey City 7.5 minute quadrangle showing Governors Island and the location of the archaeological remains of the Laundress Quarters mapped in 1867, Feature 7 of the Governors Island Park and Public Space Project.



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

For Office Use Only--Site Identifier_

Project Identifier 11PR03265

Your Name Linda Stone Date 1/17/14
Address 249 E. 48 St, #12 B, New York, NY Phone (212) 888-3130

Organization (if any) _____

1. SITE IDENTIFIER(S) Wash houses mapped in 1813 (Feature 8 of Park and Public Space project) on Governors Island

2. COUNTY New York

One of the following:

CITY New York

TOWNSHIP _____

INCORPORATED VILLAGE _____

UNINCORPORATED VILLAGE OR HAMLET _____

3. PRESENT OWNER The Trust for Governors Island
Address 10 South St., Slip 7, New York, NY 10004

4. SITE DESCRIPTION (check all appropriate categories): buried foundation stones, part of 2 walls
Superstructure: complete _____ partial _____ collapsed _____ not evident X
Foundation: above _____ below _____ (ground level) not evident _____
____ Structural subdivisions apparent _____ Only surface traces visible
X Buried traces detected
List construction materials (be as specific as possible): foundation stones, unmortared (3 mortared bricks, possibly related)

Grounds – beneath roadway
____ Under cultivation _____ Sustaining erosion _____ Woodland _____ Upland
____ Never cultivated _____ Previously cultivated _____ Floodplain _____ Pastureland
Soil Drainage: excellent _____ good X fair _____ poor _____
Distance to nearest water from structure (approx.) approximately 280 feet to New York Bay
Elevation: approximately 2 feet below roadway surface.

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) _____ Site map (submit with form*)
Collection _____
Subsurface -- date(s) 10/28-29/13 – feature was exposed during monitoring, preserved and reburied
Testing: shovel _____ coring _____ other _____ unit size _____
no. units _____ (Submit plan of units with form*)
Excavation: unit size _____ no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Linda Stone

Manuscript or published report (s) (reference fully): *Report on Archaeological Work Conducted for the Governors Island Park and Public Space Project: Phase 1, Governors Island, New York, New York. Prepared for the Trust for Governors Island. Prepared by Linda Stone, RPA.*

Present repository of materials : *The Trust for Governors Island*

6. Site inventory:

a. Date constructed or occupation period *pre-1813*

b. Previous owners, if known *US Army*

c. Modifications, if known _____

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name *Mangin Map* Date *1813* Source *reproduced in site report*

Present location of original, if known _____

2) Name _____ Date _____ Source _____

Present location of original, if known _____

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

d. Persons with memory of site *n/a*

1) Name _____ Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): *possible building demolition debris, unmarked brick fragments*

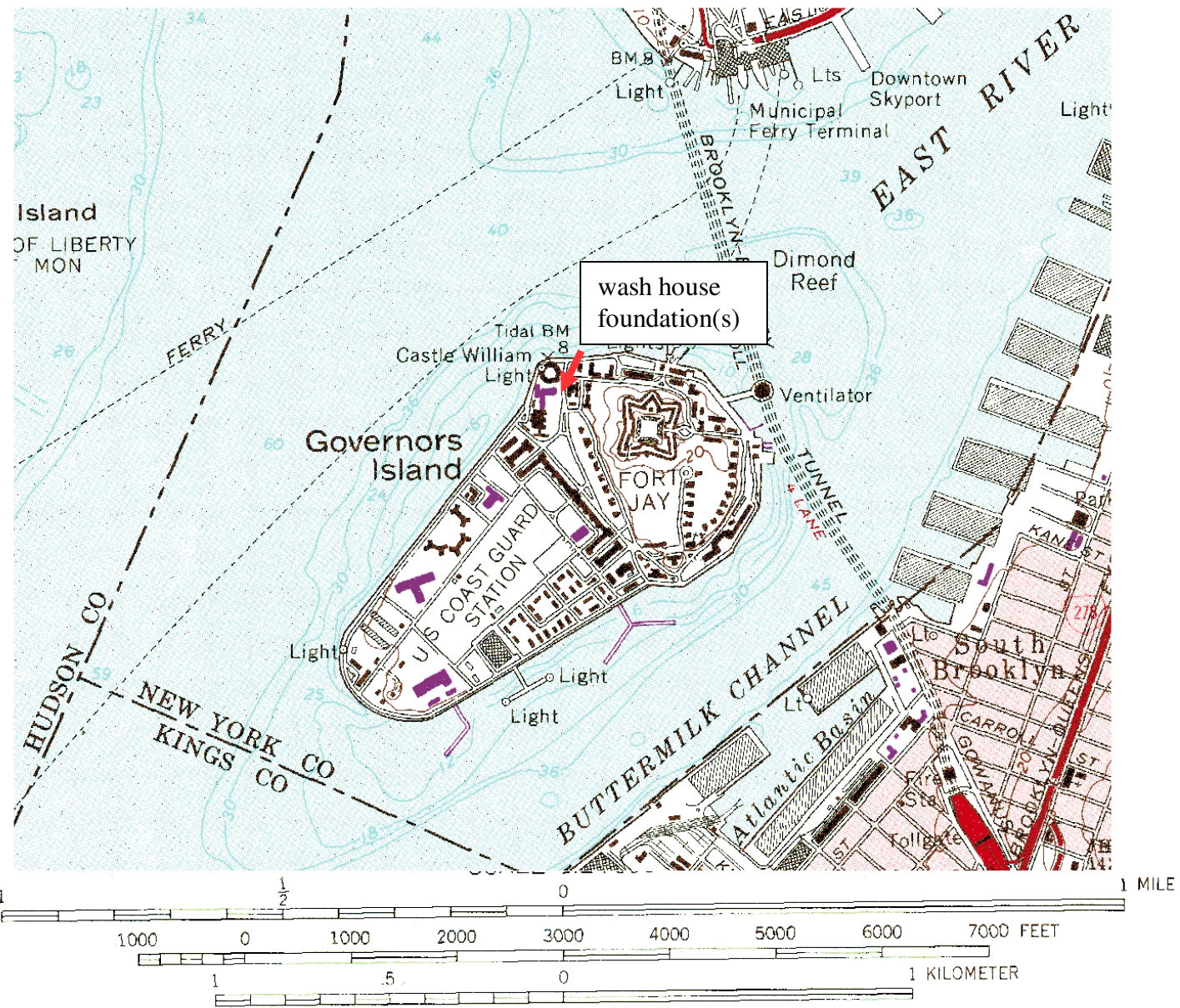
If prehistoric materials are evident, check here and fill out prehistoric site form. _____

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

USGS 7 ½ Minute Series Quad. Name *Jersey City*

For Office Use Only--UTM Coordinates _____

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



Part of the USGS Jersey City 7.5 minute quadrangle showing Governors Island and the location of the archaeological foundation remains of the Wash House(s) mapped in 1813, Feature 8 of the Governors Island Park and Public Space Project.



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

For Office Use Only--Site Identifier_

Project Identifier 11PR03265

Your Name Linda Stone Date 1/22/14
Address 249 E. 48 St, #12 B, New York, NY Phone (212) 888-3130

Organization (if any) _____

1. SITE IDENTIFIER(S) Part of possible foundation or floor of former wash/bath house (Feature 9 of Park and Public Space project) on Governors Island

2. COUNTY New York

One of the following:

CITY New York

TOWNSHIP _____

INCORPORATED VILLAGE _____

UNINCORPORATED VILLAGE OR HAMLET _____

3. PRESENT OWNER Governors Island National Monument
Address 10 South St., Slip 7, New York, NY 10004

4. SITE DESCRIPTION (check all appropriate categories): buried building stones, perhaps once part of a floor or foundation corner

Superstructure: complete _____ partial _____ collapsed ___ not evident X

Foundation: above ___ below ___ (ground level) not evident ___

___ Structural subdivisions apparent ___ Only surface traces visible

X Buried traces detected

List construction materials (be as specific as possible): 3 stones

Grounds – beneath grassy area

___ Under cultivation ___ Sustaining erosion ___ Woodland ___ Upland

___ Never cultivated ___ Previously cultivated ___ Floodplain ___ Pastureland

Soil Drainage: excellent ___ good X fair ___ poor ___

Distance to nearest water from structure (approx.) approximately 255 feet to New York Bay

Elevation: approximately 3.5 feet below ground surface.

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____ Site map (submit with form*)

Collection _____

Subsurface -- date(s) 10/29/13 – feature was exposed during monitoring, preserved and reburied

Testing: shovel ___ coring ___ other ___ unit size _____

no. units _____ (Submit plan of units with form*)

Excavation: unit size _____ no. of units _____

(Submit plan of units with form*)

* Submission should be 8 1/2" by 11", if feasible

Investigator Linda Stone

Manuscript or published report (s) (reference fully): *Archaeological Findings for Light Pole Excavations in Hay Road near Castle Williams within the Governors Island National Monument. October 30,2013. Prepared for the Trust for Governors Island by Linda Stone, RPA.*

Report on Archaeological Work Conducted for the Governors Island Park and Public Space Project: Phase 1, Governors Island , New York, New York. Prepared for the Trust for Governors Island by Linda Stone, RPA.

Present repository of materials : *The Trust for Governors Island*

6. Site inventory:

a. Date constructed or occupation period *pre-1867*

b. Previous owners, if known *US Army*

c. Modifications, if known _____

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name *Barnard Map* Date *1867* Source *reproduced in site report*

Present location of original, if known _____

2) Name *1st Army Engineers Map* Date *1879* Source *reproduced in site report*

Present location of original, if known _____

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

d. Persons with memory of site *n/a*

1) Name _____ Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): *none*

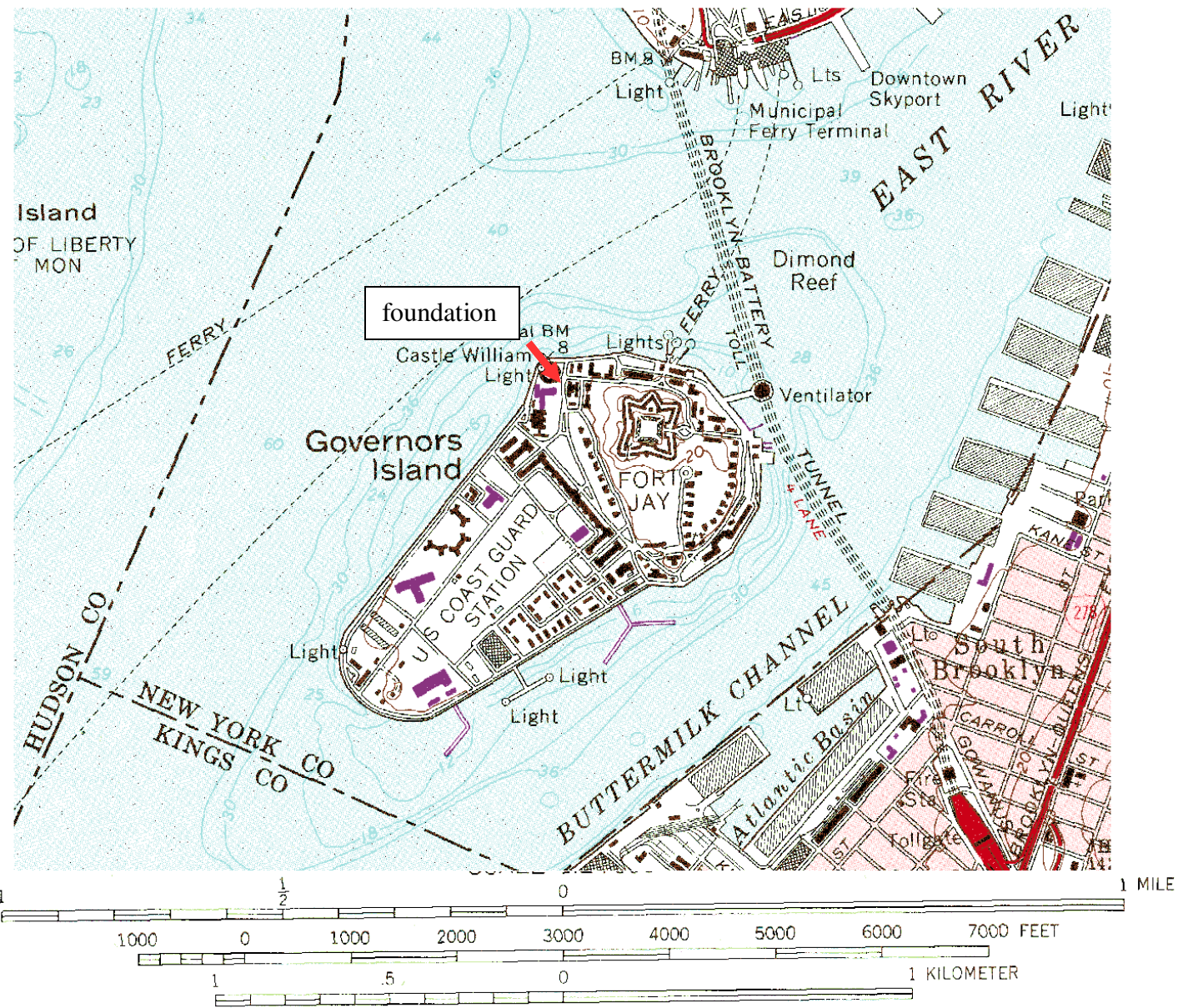
If prehistoric materials are evident, check here and fill out prehistoric site form. _____

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

USGS 7 ½ Minute Series Quad. Name *Jersey City*

For Office Use Only--UTM Coordinates _____

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



Part of the USGS Jersey City 7.5 minute quadrangle showing Governors Island and the location of the archaeological remains of a foundation or floor that may have been part of the “Wash House for Men of the Garrison” mapped in 1867 or Bath House mapped in 1879, Feature 9 of the Governors Island Park and Public Space Project.