

Grand Street Housing

Block 341, Lots 1, 58, and 70

LOWER EAST SIDE; NEW YORK, NEW YORK

Phase 1A Archaeological Documentary Study

Prepared for:

Grand Street Guild Housing Development Fund Company Inc.,
Grand Street Guild East Housing Development Fund Company Inc.,
Southeast Grand Street Guild Housing Development Fund Company Inc., and
Clinton Broome Development LLC
New York, NY

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A. INTRODUCTION

Grand Street Guild Housing Development Fund Company Inc., Grand Street Guild East Housing Development Fund Company Inc., Southeast Grand Street Guild Housing Development Fund Company Inc., and Clinton Broome Development LLC (“the applicants”) are proposing to construct two new, 100 percent affordable residential buildings on the Lower East Side of Manhattan (see **Figure 1**). The proposed project would be located on what is currently Sub-parcels 3A (Block 341, Lot 58), 3B (Block 341, Lot 70), and 3C (Block 341, Lot 1) (collectively, the “project site”) of the Seward Park Extension Large Scale Residential Development (LSRD). In order to facilitate the construction of the proposed project, the applicants are proposing an amendment to the future Eastern Seward Park Extension LSRD (“the project area”) site plan (described below) to allow for the construction of the residential buildings, which will be known as Buildings 3-5 and 3-6 (see **Figure 2**). The applicants are currently pursuing a tax lot subdivision application with the New York City Department of Finance which, when final, will modify the tax lot numbers associated with the project site with Building 3-5 located on Block 341, Lot 59 and Building 3-6 located on Block 341, Lot 80. The New York City Planning Commission (CPC) is serving as lead agency for the project’s environmental review.

The proposed action is subject to City Environmental Quality Review (CEQR). Pursuant to CEQR, consultation was initiated with the New York City Landmarks Preservation Commission (LPC) regarding the project area’s potential archaeological significance. In a comment letter dated April 3, 2019, LPC determined that Block 341, Lots 1, 58, and 70 were potentially archaeologically significant. This Phase 1A Archaeological Documentary Study of those lots was prepared to satisfy LPC’s request.

B. PROJECT BACKGROUND

The project area is currently part of the Original LSRD, which CPC approved on December 23, 1969 (application number CP-20871). As an independent application, the New York City Department of Housing Preservation and Development (HPD) is seeking approval to split the Original LSRD into two non-continuous LSRDs—the Eastern Seward Park Extension LSRD and the Western Seward Park Extension LSRD. The project site is located within the future Eastern Seward Park Extension LSRD. As HPD’s application is expected to be approved by the time of this application, the boundaries of the Eastern Seward Park Extension LSRD (the LSRD) consists of the project site (Parcel 3), Parcel 4 (Block 347, Lot 80), Parcel 5 (Block 336, Lots 1 and 5), Parcel 10 (Block 336, part of Lot 28), and Parcel 12 (Block 336, Lot 35) of the Original LSRD.

The proposed project would comply with the underlying zoning in the project area; however, since the project area would be governed by the LSRD, an amendment to the LSRD site plan and related zoning calculations is necessary to facilitate the proposed development. The proposed action is a site amendment to the future Eastern Seward Park Extension LSRD (the LSRD). The component parcels of the project site are owned by the applicant entities, who are affiliated companies under the control of the Association of New York Catholic Homes, a not-for-profit organization that operates under the auspices of the Archdiocese of New York.

C. PROJECT DESCRIPTION AND CURRENT CONDITIONS

Six structures of various size are currently located within the Phase 1A Study area, each of which was constructed as part of the Seward Park Houses extension in 1972 (see **Photographs 1 through 6**). A 1- to 2-tier parking garage is located at the northwestern corner of the study area, occupying a portion of Lots 58 and 70 (410 Grand Street). The southern portion of Lot 58 is developed with Building 3-1 of the Seward Park Extension (identified as Building B on current Sanborn maps). Building 3-1 (410 Grand Street) is a 26-story structure with an adjacent 1-story commercial structure (160 Clinton Street). A 1-story (with partial cellar) community facility building/daycare center stands at 151 Broome Street within the central portion of Block 341, Lot 70. To the east is Building 3-2 (aka Building A or 131 Broome Street) of the Seward Park Houses extension, a 26-story tower, and a 1-story community facility building at 17 Pitt Street. Building 3-3 (aka Building C or 460 Grand Street), a 26-story tower identical to Buildings A and B, is located at the southeast corner of the project site within Lot 1. Undeveloped areas between the buildings are paved or landscaped areas within the Seward Park Houses extension campus. A recessed amphitheater with water feature is located to the west of Building 3-3, occupying the southwestern portion of Lot 1 and a portion of the former streetbed of Ridge Street. Finally, a network of subsurface utility lines connect the buildings on the project site and stormwater drainage infrastructure is present throughout the site (AKRF 2017).

With the proposed project, the parking structure at the western end of Lot 70 and the community facility building at the eastern end of Lot 70 would be demolished and redeveloped with Buildings 3-5 and 3-6, respectively. Buildings 3-1, 3-2, and 3-3—now known as the Grand Street Guild Apartments—would remain and their residential uses (including affordable units) would be unchanged. The proposed project would also include renovations of portions of the open space located on the project site.

D. PRINCIPAL CONCLUSIONS

As described in greater detail below, the research completed as part of this Phase 1A Archaeological Documentary Study concluded that the project site was included within the larger farm and estate of James DeLancey in the 18th century and was later included within a smaller estate granted to DeLancey's son-in-law, Thomas Jones. By the 1820s and 1830s, the former DeLancey farm had been divided into blocks and lots and became increasingly developed and redeveloped throughout the 19th and 20th centuries. Many of the historical lots located within the portions of the project site that would be developed by the proposed project were disturbed by the construction of buildings with basements. Those historical lots for which no disturbance could be documented within rear yard areas were identified as potentially archaeologically sensitive, as those rear yards could potentially contain water-gathering and sanitary infrastructure (e.g., privies, cisterns, and wells) that pre-date the installation of water and sewer lines in the second half of the 19th century. In addition, undisturbed portions of the historical streetbeds of Attorney and Ridge Streets between Broome and Grand Streets have been identified as archaeologically sensitive for resources associated with the occupation of the DeLancey and Jones estates or earlier phases of occupation.

A. RESEARCH GOALS

The Phase 1A of the Manhattan Site of the Grand Street Housing project has been designed to satisfy LPC requirements and follows the guidelines of the New York Archaeological Council (NYAC). The study documents the development history of the proposed project sites and their potential to yield archaeological resources, including both precontact and historic cultural resources. In addition, this report documents the current conditions of the project sites, as well as previous cultural resource investigations that have taken place in the vicinity.

This study has four major goals: (1) to determine the likelihood that the project sites were occupied during the precontact (Native American) and/or historic periods; (2) to determine the effect of subsequent development and landscape alteration on any potential archaeological resources that may have been located within the project sites; (3) to make a determination of the project sites' potential archaeological sensitivity; and (4) to make recommendations for further archaeological analysis, if necessary. The steps taken to fulfill these goals are explained in greater detail below.

The first goal of this study is to determine the likelihood that the project sites were inhabited during the precontact or historic periods, and identify any activities that may have taken place in the vicinity that would have resulted in the deposition of archaeological resources.

The second goal of this Phase 1A study is to determine the likelihood that archaeological resources could have survived intact within the project sites after development and landscape alteration (i.e., erosion, grading, filling, etc.). Potential disturbance associated with paving, utility installation, and other previous construction impacts was also considered. As described by NYAC in their Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State:

An estimate of the archaeological sensitivity of a given area provides the archaeologist with a tool with which to design appropriate field procedures for the investigation of that area. These sensitivity projections are generally based upon the following factors: statements of locational preferences or tendencies for particular settlement systems, characteristics of the local environment which provide essential or desirable resources (e.g., proximity to perennial water sources, well-drained soils, floral and faunal resources, raw materials, and/or trade and transportation routes), the density of known archaeological and historical resources within the general area, and the extent of known disturbances which can potentially affect the integrity of sites and the recovery of material from them (NYAC 1994: 2).

The third goal of this study is to make a determination of the project sites' archaeological sensitivity. As stipulated by the NYAC standards, sensitivity assessments should be categorized as low, moderate, or high to reflect "the likelihood that cultural resources are present within the project area" (NYAC 1994: 10). For the purposes of this study, those terms are defined as follows:

- Low: Areas of low sensitivity are those where the original topography would suggest that Native American sites would not be present (i.e., locations at great distances from fresh and salt water resources), locations where no historic activity occurred before the installation of municipal water and

sewer networks, or those locations determined to be sufficiently disturbed so that archaeological resources are not likely to remain intact.

- **Moderate:** Areas with topographical features that would suggest Native American occupation, documented historic period activity, and with some disturbance, but not enough to eliminate the possibility that archaeological resources are intact on the project sites.
- **High:** Areas with topographical features that would suggest Native American occupation, documented historic period activity, and minimal or no documented disturbance.

As mentioned above, the fourth goal of this study is to make recommendations for additional archaeological investigations where necessary. According to NYAC standards, Phase 1B testing is generally warranted for areas determined to have moderate sensitivity or higher. Archaeological testing is designed to determine the presence or absence of archaeological resources that could be impacted by a proposed project. Should they exist on the project sites, such archaeological resources could provide new insight into the precontact and historic occupation of Manhattan's Lower East Side.

B. RESEARCH METHODOLOGY

DOCUMENTARY RESEARCH

To satisfy the four goals as outlined above, documentary research was completed to establish a chronology of the project sites' development, landscape alteration, and to identify any individuals who may have owned the land or worked and/or resided there, and to determine if buildings were present there in the past. Data was gathered from various published and unpublished primary and secondary resources, such as historic maps, topographical analyses (both modern and historic), historic and current photographs (including aerial imagery), newspaper articles, local histories, and previously conducted archaeological surveys. These published and unpublished resources were consulted at various repositories, including the Main Research Branch of the New York Public Library (including the Local History and Map Divisions); the Manhattan Office of the City Register, Department of Finance; the Municipal Archives; and others. File searches were conducted at LPC, the New York State Office of Parks, Recreation, and Historic Preservation (OPRHP), and the New York State Museum (NYSM). Information on previously identified archaeological sites and previous cultural resources assessments on file with OPRHP and NYSM was accessed through the New York State Cultural Resource Information System (CRIS).¹ Online textual archives, such as Google Books and the Internet Archive Open Access Texts, were also accessed.

C. HISTORICAL PROPERTIES WITHIN THE PROJECT SITE

The project site is located within an area formerly occupied by three historic blocks that have since been consolidated. Historical Block 346 was formerly bounded by Clinton, Broome, Attorney, and Grand Streets and is currently occupied by Block 341, Lot 58 and a portion of Lot 70, both of which also include the now-demapped streetbed of Attorney Street between Broome and Grand Streets. Historical Block 341 (West) was formerly bounded by Attorney, Broome, Ridge, and Grand Streets. The portion of this block that is included within the study area of this Phase 1A Study includes the central portion of Lot 70. Finally, Historical Block 341 (East) was formerly bounded by Ridge, Broome, and Grand Streets as well as by the original western line of Pitt Street. The northern half of this block is occupied by a portion of Lot 70 while the southern half is occupied by Lot 1.

¹ <https://cris.parks.ny.gov>

Table 1-1

**Summary of Historical Properties Included Within Modern Block 341, Lots
1, 58, and 70**

Block	Lot	1885 Lot	20th Century Lot	Affected by Basement/Excavation Disturbance
341	1	1084	53	Yes
341	1	1083	52	Yes
341	1	1082	51	Yes
341	1	1081	50	Yes
341	58	1080	49	Yes
341	58	1079	48	No
341	58	1078	47	No
341	58	1077	46	Yes
341	58	1076	45	Yes
341	58	1075	44	Yes
341	58	1075.5	43	No
341	58	199	42	No
341	58	198	41	No
341	58	197	40	Yes
341	58	196	39	No
341	58	195	38	Yes
341	58	194	37	Yes
341	58	1048	68	Yes
341	58	1047	67	Yes
341	58	1046	66	Yes
341	58	1045	65	No
341	58	1044	64	Yes
341	58	1043	63	Yes
341	58	1042	62	Yes
341	58	1041	61	Yes
341	58	244/1040	60	Yes
341	58	243	59	No
341	58	242	58	No
341	1	241	57	No
341	1	240	56	No
341	1	239	55	No
341	1	1084.5	54	No
341	1	264	6	No
341	1	260	5	No
341	1	316	17-18	Yes
341	1	1087	16	No
341	1	1086.5	15	No
341	1	1086	14	No
341	1	1085.5	13	No
341	1	1085	12	No
341	1	318	19	No
341	1	319	20	No
341	1	320	21	No
341	1	321	22	No
341	1	322	23	No
341	1	328	38	No
341	1	329	39	No
341	1	330	40	No
341	1	331	41	No
341	1	1088	42	Yes
341	1	1089	43	Yes
341	1	1090	44	Yes
341	1	1091	45	Yes
341	1	1092	46	Yes

Table 1-1 (cont'd)

**Summary of Historical Properties Included Within Modern Block 341, Lots
1, 58, and 70**

Block	Lot	1885 Lot	20th Century Lot	Affected by Basement/Excavation Disturbance
341	1	1093	47	Yes
341	1	1094	48	Yes
341	1	1095	49	Yes
341	1	1096	50	Yes
341	1	378	52	No
341	1	379	53	No
341	1	380	54	Yes
341	1	381	55	Yes
341	70	327	37	No
341	70	326	33	No
341	70	325	67/63	No
341	70	1032	67	Yes
341	70	1031	67	Yes
341	70	1030	63 (part)	Yes
341	70	1029	63 (part)	Yes
341	70	1028	63 (part)	Yes
341	70	1027	62	Yes
341	70	1026	61	Yes
341	70	1025	60	Yes
341	70	1024	59	Yes
341	70	1023	58	Yes
341	70	383.5	58-59	Yes
341	70	383	57	Yes
341	70	382	56	No
Sources: 1885 lot numbers based on the 1885 Robinson atlas; 20th century lot numbers based on maps included in the Block 341 and 346 conveyance indices on file at the Office of the City Register, Department of Finance.				

Several criteria were used to determine potentially sensitive historical lots within the project site that were identified as requiring further Phase 1A research. As discussed in greater detail below, the project site was formerly developed with almost 100 historic lots, each of which had a different development history and therefore a different level of disturbance. Historic maps were analyzed to understand the development history for each lot with the most useful and detailed maps being the 1852 and 1857 Perris atlases, the 1885 Robinson-Pidgeon atlas, the 1891 Bromley atlas, and Sanborn maps dating to 1894, 1905, 1923, and 1951. Because of changing street addresses, lot numbers, and property configurations, for the remainder of this report, each lot is referred to by the block and lot designations assigned in the first half of the 20th century and which were used by the Department of Finance for the classification of conveyances/property records.

Nearly all of the lots experienced some disturbance during the 19th or 20th centuries as a result of excavation associated with the construction of a building with a basement. If a potentially unexcavated rear or side yard greater than 10 feet in width was identified on a lot during historic map research, that lot was identified as archaeologically sensitive and additional research was completed for that property. If a lot was entirely developed with a structure with a basement or if a narrow portion of the lot measuring less than 10 feet in width was left undeveloped, the lot was determined to not have archaeological significance and no additional analysis of that lot was completed. **Table 1-1** outlines the historical blocks, lots, and streetbeds currently included within the project site as well as current and historical lot numbers and street addresses.

As shown in **Table 1-1**, a number of the historical lots within the project site were disturbed by the excavation of basements in the 19th and 20th centuries. A map depicting the locations of basement disturbance is presented in **Figure 3**. The presence of basements was identified using Sanborn maps published between the late 19th century and 1951, when the project site was developed in its current configuration. While Sanborn maps do not indicate that modern Buildings 3-1, 3-2, or 3-3 were constructed with basements, given their large size, a 10-foot buffer was drawn around each building to account for deep disturbance associated with the construction of the towers and their associated foundations. Historical lots that were impacted by basement excavation are therefore not considered to have archaeological potential and are therefore eliminated from the remainder of this analysis. A summary of those lots that were not affected by basement excavation to the same extent—including historical addresses—is presented below in **Table 1-2**. The archaeological sensitivity of these properties is further assessed in this Phase 1A study. While the properties on historical Block 346, Lots 39, 58, 59, and 65 and historical Block 341 East, Lots 36 through 41, 52, 53, 56, and 63/67 were not fully disturbed by basement excavation, new buildings are not proposed on those portions of the project site. Therefore, those lots have been eliminated from this study.

Table 1-2

**Summary of Potentially Undisturbed Lots within the Project Site Analyzed in this
Phase 1A Study**

Modern Block	Historical Block	Modern Lot	1885 Lot #	20th Century Lot #	1923 Address	Older Address(es)
341	346	58	198	41	148 Clinton	118 Clinton (Before 1848)
341	346	58	199	42	146 Clinton	116 Clinton (Before 1848)
341	346	58	1075.5	43	144 Clinton (rear yards of 177 and 175 Broome)	114 Clinton (Before 1848)
341	346	58	1078	47	171 Broome	171 Broome
341	346	58	1079	48	169 Broome	169 Broome
341	346	1	1084.5	54	41 Attorney	Rear 159 to 163 Broome/29 Attorney (before 1843)
341	346	1	239	55	39 Attorney	27 Attorney (before 1843)
341	346	1	240	56	37 Attorney	25 Attorney (before 1843)
341	346	1	241	57	35 Attorney	23 Attorney (before 1843)
341	341W	1	260	5	32 Attorney	24 Attorney (before 1843)
341	341W	1	264	6	34 Attorney	26 Attorney (before 1843)
341	341W	1	1085	12	155 Broome	155 Broome
341	341W	1	1085.5	13	153 Broome	153 Broome
341	341W	1	1086	14	151 Broome	151 Broome
341	341W	1	1086.5	15	149 Broome	149 Broome
341	341W	1	1087	16	147 Broome	147 Broome
341	341W	1	318	19	33 Ridge	23 Ridge (until ca. 1886)
341	341W	1	319	20	31 Ridge	21 Ridge (until ca. 1886)
341	341W	1	320	21	29 Ridge	19 Ridge (until ca. 1886)
341	341W	1	321	22	27 Ridge	17 Ridge (until ca. 1886)
341	341W	1	322	23	25 Ridge	15 Ridge (until ca. 1886)
Streetbed of Attorney Street						
Streetbed of Ridge Street						
Note: See Appendices A through C for lot-specific information.						

For those lots that were identified as potentially undisturbed, additional research into the lot's occupation history was carried out to identify the lot's residents between approximately 1820 (before the time the majority of these lots were first developed) and 1850, by which time all of the properties had been developed. As part of this research, historic conveyance records dating to between the late 18th century and 1860 were examined for all undisturbed properties within the project site to determine ownership patterns for the project site. Tax assessment ledgers dating to every five years between 1820 and 1840 were also examined to gain an understanding of the development of each lot before accurate maps were

published beginning circa 1852. Historic directories dating to between circa 1820 and 1860 were examined to identify earliest occupants of only the lots that were identified as archaeologically sensitive. Because the census taken in the years 1790 through 1840 only recorded the names of the heads of households and did not list individual residents or specific information beyond race and age grouping, nor can they be easily correlated to specific lots, census records were not examined as part of this study. This historic information is briefly summarized in this report and the data is included in its entirety in **Appendices A** through **C**.

ASSESSMENT OF STREET NUMBERING CHANGES

Historical Directories published in the 19th century often included street directories (also known as a “vade mecum”) that identify the street numbers on either side of a particular intersection and which are useful in identifying changes in street names and numbers over time. Using this information, the following information was determined regarding changes in street names and numbers in the 19th century (such information is typically unavailable for the 18th century):

- Arundel Street was renamed Clinton Street between 1825 and 1830;
- Attorney Street was renumbered ca. 1842;
- Clinton Streets was renumbered ca. 1847;
- Grand Street was renumbered ca. 1849; and
- Ridge Street was renumbered ca. 1886.

D. PREVIOUSLY CONDUCTED ARCHAEOLOGICAL ASSESSMENTS IN THE IMMEDIATE VICINITY

Between 2011 and 2014, AKRF completed Phase 1A and Phase 1B Archaeological Investigations of the Essex Crossing (formerly Seward Park) Mixed Use Development project site. The study area included all or portions of five city blocks to the north and west of the Grand Street Houses development site, including Block 346, Lots 39, 40, 150, and 175; Block 347, Lot 71; and Block 352, part of Lot 1. The Phase 1A study completed by AKRF in 2011 described the development and occupation histories of the historical lots included within the Essex Crossing study area. The overall development of that study area was similar to that of the Grand Street Houses development site, with the initial construction of houses and industrial/commercial buildings occurring in the first half of the 19th century, the redevelopment of many of the historical lots with larger tenements later in the 19th century and early 20th century, and then the demolition of entire blocks in advance of the construction of large-scale housing projects. The Phase 1A identified areas of archaeological sensitivity in the rear yards of those buildings that had not been disturbed by the construction of buildings with basements. Archaeological testing was completed in areas of sensitivity and a report summarizing the results of that effort was produced by AKRF in 2014. In total, 36 trenches were excavated, but all of the former rear yard areas were found to have been extensively disturbed by building construction and basement excavation. No intact archaeological features or artifact deposits were observed and no additional archaeological work was recommended.

The Phase 1B report concluded that extensive undocumented basement disturbance had occurred across the project site, resulting in the loss of any intact archaeological resources. It is assumed that this undocumented disturbance was associated with the excavation of rear yards to expose basement-level apartments to light and air at the rear of tenement-style, multi-family dwellings.

A. GEOLOGY AND TOPOGRAPHY

The island of Manhattan is found within a geographic bedrock region known as the Manhattan Prong of the New England (Upland) Physiographic Province (Isachsen, et al. 2000). Bedrock in the vicinity of the project site is known as the Manhattan Formation. The bedrock formation that underlies most of Manhattan is interrupted on the Lower East Side and the project site is at the interface of two bedrock types: Inwood Marble and Harrison Gneiss dating to Cambrian and Ordovician periods of the Paleozoic Era (543 to 438 million years ago) (Fisher, et al. 1970; Isachsen, et al. 2000). The surficial soil deposits are composed of glacial till (Caldwell 1989). The landscape of Manhattan was shaped by four major glaciations that affected the region until approximately 12,000 years ago when the Wisconsin period—the last glacial period—came to an end (Schubert 1968). The rocks and sand deposits left behind as a result of glacial movements brought about the creation of hundreds of sand hills, some of which were nearly 100 feet tall. The 1865 Viele map depicts a large hill—historically known as Jones Hill or Mount Pitt-- bordering the project site to the east. Mount Pitt “consisted of a ridge of hills elevated from 10 to 30 feet above the adjoining plain” (Acheson 1865: 110). The hill was extensively graded as part of road construction and landscape modification efforts made in the 18th and 19th centuries, at which time the soil deposits removed from the hills were used as fill material to raise the grade of low-lying and waterfront areas (ibid; Jones 1879).

The melting waters left behind by retreating glaciers also resulted in the formation of ponds and wetlands over a period of thousands of years. The Collect Pond was a fresh water pond formed to the southwest of the project site. The pond served as an important source of drinking water and other fresh water resources, including fish, to both Native Americans and the early European settlers of Manhattan. This was contrasted by two large hills that dominated the landscape to the south and west of the pond. The grading of these hills provided much of the fill material that was used to transform the Collect Pond into dry, developable land (Mix and Mackeever 1874). Groundwater is expected to be located at a depth of 25 feet below ground surface (AKRF 2017).

Several historic maps include data regarding the elevation of street corner intersections, as presented below in **Table 2-1**. These maps confirm that only moderate changes in elevation have occurred in the area surrounding the project site since the late 19th century. This information suggests that elevations have changed only slightly since circa 1865.

Table 2-1

Street Corner Elevations as Identified on Historic Maps

Historic Map	Datum Used	Elevation at the Intersection of:							
		Grand and Clinton	Grand and Attorney	Grand and Ridge	Grand and Pitt	Broome and Clinton	Broome and Attorney	Broome and Ridge	Broome and Pitt
1865 Viele	Unknown	35	40	40	38	27	26	23	22
1891 Bromley	Above High Tide	34.11	39.11	40.3	38	27.8	25.8	23.6	21.10
1937 Rock Data Map, Legal Street Grade	Manhattan Borough Datum (MBD)	34.4	38.7	39.6	37.3	27.5	24	22.7	21.2
2016 Sanborn	Above High Water	34	39	40	37	n/a	26	23	21
2014 Lidar (elevations for project site at adjacent corner)	NAVD88	36	40	41	39	28	26.5	25	23
Notes:		The Rock Data Map includes a specific datum—the Department of Works datum at 2.750 feet above mean sea level at Sandy Hook, NJ—which appears consistent with the modern Manhattan Borough Datum. The consistency of the elevations from the Rock Data Map with those seen on other maps suggests that the same or similar datum point was used consistently since 1885. Modern Lidar information provided by the United States Geological Service.							

As shown in **Table 2-1**, each map includes elevation recorded relative to a specific datum, or the point from which surface elevations are measured (where the elevation is considered to be zero). Elevations of the same ground surface, recorded at the same time, but taken relative to different datum points, will obviously differ despite the fact that they refer to the same location. As shown in **Table 4-1**, datum points used in the 19th and 20th centuries were historically been linked to tidal action, either mean sea level (representing the average of high and low tide) or the high water mark. Therefore, understanding the datum from which an elevation was measured is critically important to an analysis of historic elevations and landscape change. However, given historic surveying techniques and inaccuracies that may exist in measuring tides and elevations, especially during the 19th century, as well as sea level rise, there may be discrepancies when comparing current and historic elevation data. Furthermore, many historical maps reflect the legal grade, or the planned grade, and may differ from what was actually. These elevations were compared to current Lidar information published by the United States Geological Survey (USGS) in 2014. The Lidar elevations are measured relative to the North American Vertical Datum of 1988 (NAVD88).

B. SOILS

The “Web Soil Survey” maintained by the Natural Resources Conservation Service (NRCS) of the United States Department of Agriculture (USDA) indicates that four soil complexes associated with heavily developed urban areas are located in the vicinity of the project site.¹ The majority of the project site is underlain by “Urban Land, Outwash Substratum,” which is characterized by up to 20 inches of cemented material over gravelly sands. Within the project site, these soils are found either at slopes of 0 to 3 percent (UoA) or 3 to 8 percent (UoB). The remaining two soil complexes, located along the eastern and southern sides of the project site, are associated with the “Urban Land-Flatbush Complex” which similarly consists of gravelly sand under approximately 20 inches of cemented materials and which are found in areas with slopes of 0 to 3 percent (UFA) and 3 to 8 percent (UFB).

¹ <https://websoilsurvey.sc.egov.usda.gov>

A. PRECONTACT CONTEXT

Archaeologists have divided the time between the arrival of the first humans in northeastern North America and the arrival of Europeans more than 10,000 years later into three periods: Paleo-Indian (11,000–10,000 BP), Archaic (10,000–2,700 BP), and Woodland (2,700 BP–AD 1500). These divisions are based on certain changes in environmental conditions, technological advancements, and cultural adaptations, which are observable in the archaeological record.

As mentioned in Chapter 2, “Methodology and Identification of Phase 1A Study Area,” human populations did not inhabit the Northeast until the glaciers retreated some 11,000 years ago. These new occupants included Native American populations referred to by archaeologists as Paleo-Indians, the forbearers of the Delaware—also called the Lenape Indians—who would inhabit the land in later years. Archaeological evidence suggests that the Paleo-Indians were likely highly mobile hunters and gatherers who utilized a distinct style of lithic technology, typified by fluted points. They appear to have lived in small groups of fewer than 50 individuals (Dincauze 2000) and did not maintain permanent campsites. In addition, most of the Paleo-Indian sites that have been investigated were located near water sources. Because of the close proximity of Paleo-Indian sites to the coastline, few have been preserved in the New York City area.

The Archaic period has been sub-divided into three chronological segments, based on trends identified in the archaeological record which reflect not only the ecological transformations that occurred during this period, but the cultural changes as well. These have been termed the Early Archaic (10,000–8,000 BP), the Middle Archaic (8,000–6,000 BP) and the Late Archaic (6,000–2,700 BP) (Cantwell and Wall 2001). The Late Archaic is sometimes further divided to include the Terminal Archaic period (3,000–2,700 BP). The abundance of food resources which arose during this period allowed the Archaic Native Americans to occupy individual sites on a permanent or semi-permanent basis, unlike their nomadic Paleo-Indian predecessors. Fishing technology was developed during the Middle Archaic in response to an increasing dependence on the area’s marine resources. Tools continued to be crafted in part from foreign lithic materials, indicating that there was consistent trade among Native American groups from various regions in North America throughout the Archaic period. Few Early and Middle Archaic archaeological sites have been identified in New York City, although numerous Late Archaic sites have been identified in the area.

The Woodland period represents a cultural revolution of sorts in the Northeast. During this time, Native Americans began to alter their way of life, focusing on a settled, agricultural lifestyle rather than one of nomadic hunting and gathering. Social rituals become visible in the archaeological record at this time. Composite tools, bows and arrows, domesticated dogs, and elaborately decorated pottery were introduced to Native American culture at this time and burials grew increasingly complex. Woodland-era sites across North America indicate that there was an overall shift toward full-time agriculture and permanently settled villages. Archaic sites in New York City, however, suggest that the Native Americans there continued to hunt and forage on a part-time basis. This was most likely due to the incredibly diverse environmental niches that could be found across the region throughout the Woodland period (Cantwell and Wall 2001, Grumet 1995).

The Woodland period ended with the arrival of the first Europeans in the early 1500s. The Native Americans lived in villages consisting of multiple longhouses and practiced some farming, but subsisted mostly on food resources obtained by hunting, gathering, and fishing (Grumet 1995). With the introduction of European culture into the indigenous society, the way of life once maintained by the Native Americans was thoroughly and rapidly altered. European guns, glass beads, copper kettles, and alcohol soon became incorporated into the Native American economy, while European diseases brought about the demise of huge portions of the population.

Native Americans at first maintained the village sites they had established near water sources and the two groups co-existed. As trade with European settlers intensified, they became increasingly sedentary and as the European population grew and required more land, the relationship between the two groups soured. Fierce wars broke out between the Dutch and the Indians. Being armed with far more guns than the natives, the Dutch quickly forced the Indians out of the region. According to Grumet (1981), most of the Native Americans left lower Manhattan soon after the island was famously sold to the Dutch in 1626 in exchange for \$24 worth of trade goods. Those who remained in the area (and who managed to survive the violent conflicts with the Dutch that occurred throughout the mid-17th century and the European diseases that ran rampant throughout the native population) had retreated from lower Manhattan before the end of the 18th century (Cantwell and Wall 2001).

B. PREVIOUSLY IDENTIFIED NATIVE AMERICAN ARCHAEOLOGICAL SITES

A review of the files held by OPRHP, NYSM, LPC, and cultural resource surveys of projects in the immediate vicinity indicated that there were at least two Native American archaeological sites, both villages, near the project site (see **Table 4-1**). Both sites are located less than one mile from the project site.

Table 4-1
Previously Identified Native American Archaeological Sites

Site Name	Site #	Approximate Distance from APE	Time Period	Site Type	References
Shell Point/ <i>Werpoes</i>	NYSM: 4059	0.6 miles (3,200 feet)	Precontact	Native American village and shell middens	Parker (1922) Bolton (1922)
<i>Nechtanc</i>	NYSM: 4060	.38 miles (2,000 feet)	Precontact, Contact	Native American village used as a retreat during 17th century wars with the Dutch	Parker (1922) Bolton (1922)
<i>Shepmoes</i>	-----	1 mile (5,200 feet)	Precontact	Small Native American station or plantation	Bolton (1922)

As described in **Table 4-1**, two Native American village sites have been identified within one mile of the project site. The first site, known as “Shell Point” or “Werpoes” (NYSM site #4059), was located north of City Hall Park to the northwest of the project site. The village was located on a hill known as *Kalch Hoeck* adjacent to the Collect Pond, also known as *Kolch* (Bolton 1922; Bolton 1975). The name *Werpoes* is possibly derived from the word *Wapu*, meaning “a hare” and “Shell Point,” likely refers to the many shell middens that covered the site (ibid).

The other village site, most commonly referred to as *Nechtanc*, meaning “sandy place” (Grumet 1981), is also known as *Rechtauck* or *Naghtogack* (Bolton 1922; Bolton 1975). According to Bolton’s 1922 map of Native American trails, the village was located atop a large hill, later known as Jones’ Hill, in the vicinity of the intersection of Jefferson, Henry, Clinton, and Madison Streets (Bolton 1922). As shown on that map, the village was accessed by a Native American trail that ran approximately along the line of modern

East Broadway before making a ninety degree turn and continuing to the south in the approximate location of modern Clinton Street.

Nechtanc's high elevation and close proximity to the river's varied resources would have made it an ideal location for a precontact village. Later in the Contact Period, its natural topography made it an important refuge for the Lower Hudson River Delaware Indians from all over the New York City area. Brutal wars with the Dutch took place in the early 1640s, and forced many Native Americans to flee their homelands. Ultimately, *Nechtanc* was not a safe haven for them; in 1643, the Dutch staged a nighttime attack on several Native American villages, including *Nechtanc*, at which time many Native Americans were killed in their sleep (Grumet 1981).

Other Native American place names in the area included *Kapsee*, rocky ledge at the southern end of the island (Grumet 1981, Bolton 1975); *Catemiuts*, a fort and hill located near the modern-day intersection of Pearl Street and Park Row, and *Ashibic*, a rocky cliff north of today's Beekman Street that abutted a marshy tract (Grumet 1981). A series of Native American trails connected these locations with the villages discussed above as well as other Native American habitation sites further north. A major Native American roadway—known as *Wickquasgeck*—ran along the southern line of modern Broadway before splitting into two roads: one angling to the northeast and continuing northward along the approximate path of today's Bowery Road, and the other continuing east towards *Nechtanc*. West of the fork in the trail, two offshoots extended from the main road, one traveling northward towards *Werpoes* and the other heading south towards the East River shore in the vicinity of the Brooklyn Bridge (Grumet 1981, Bolton 1922; Bolton 1934).

Chapter 5: The Development of the Project Site During the Historic Period

A. THE EARLY HISTORY OF THE PROJECT SITE

The developed portion of the Dutch colony of New Amsterdam remained confined to the southern tip of Manhattan and there was minimal development of roads or structures in the vicinity of the project sites during that time. Throughout the first half of the 17th century, the Dutch West India Company (WIC) created several large farms known as *bouweries* that they intended to grant to individual settlers. The project site was situated within portions of two such farms: Bouwerie Number 5 (later of Cornelis Claes Swits) and the farm of Claes van Elslandt. The boundary line separating the two farms angled northwest-southeast through historical Block 346 and as a result, the majority of the project site was located within the van Elslandt farm (Stokes 1967).

In 1630, Bouwerie 5 was leased from Wolphert Gerritson by Claes Cornelissen Swits, who was killed after a violent encounter with Native Americans in 1641. In 1645, the farm was re-granted to Swits' son, Cornelis Claesson Swits, who was also killed following an encounter with the local indigenous population. The majority of the project site was included within a farm grant made from Dutch Director General William Kieft to Claes van Elslandt in 1647. Van Elslandt later conveyed the land to Jan Cornelissen, who later transferred it to Wolphert Webbers. All three parcels were conveyed to Cornelis Steenwyck and Olof Stevens Van Cortlandt during the second half of the 17th century (Stokes 1967).

B. THE DELANCEY FARM AND THE JONES ESTATE

The land included within the early Dutch farm grants referenced above was later incorporated into the large farm of James DeLancey, the Lieutenant Governor of New York, in the early 18th century (Stokes 1967). James DeLancey began purchasing land in the area north of Division Street—now known as East Broadway—in the early 18th century and in transactions in 1741 and 1765 he and his heirs accumulated the property that would become a large estate covering much of what is now the Lower East Side neighborhood of Manhattan and including the project site in its entirety (New York City Register's Office 1915). The portions of the estate on either side of Attorney Street were known as the East and West DeLancey Farms. James DeLancey, Sr. died in 1760, and his property was inherited by his son James DeLancey, Jr. The portion of the Delancey farm in the immediate vicinity of the project site was occupied by Thomas Jones, a provincial judge and military veteran who married James DeLancey's daughter, Amelia, in 1762 (Jones 1879). James DeLancey, Jr. granted the two-acre parcel to his sister and brother-in-law the year after their marriage and the Jones family built a house on the site in 1765 (*ibid.*). The Jones property included “a large double house of wood, and surrounded by gardens” (*ibid.*: lxi). Jones named his estate “Mount Pitt.”

Maps published by cartographer John Montrésor ca. 1766 and 1775 depict several country lanes in the vicinity of the project site. One of these appears to have been a precursor to modern East Broadway, identified as “Love Lane,” while another ran in the vicinity of modern Grand Street and was referred to as the “Road to Crown Point,” and a third was in the vicinity of Delancey Street, which ran along the southern side of James DeLancey's home. While the majority of the former DeLancey farm was at that time occupied by farmland, the residential estate of Thomas Jones, a portion of which was located within

the project site, stood atop Jones Hill, the large elevated hummock at the end of the Road to Crown Point. The Jones property and the elevations of Mount Pitt are shown in detail on the Ratzer/Ratzen maps published in 1776 and depicting the city circa 1766–1767. As seen on the map, the Jones estate included a house and other buildings located within Block 341 outside the study area of this Phase 1A study and decorative gardens and an orchard within the study area. The 1867 Holmes map of the former DeLancey farm (see **Figure 4**) suggests that three buildings within the estate were located within what later became the streetbed of Ridge Street (within the study area on Block 341, Lot 1) and near what is now the property of Saint Mary’s Church outside the study area.

The Ratzer map also depicts the partial laying out of the modern street grid within the southern portion of the DeLancey farm, with a large area known as “DeLancey’s Square” or “the Great Square” reserved in the area bounded by Broome, Canal (then called Pump), Eldridge (then called Third) and Essex Streets. In the vicinity of the project site, Clinton Street—then known as Arundel or Arundel Street—was the easternmost street to have been constructed, and while Broome Street (then known as Bullock Street) was located to the west, it did not cross adjacent to the project site although Grand Street extended along its current alignment. However, it is not clear if these streets were all constructed by that time or if they were simply proposed as they do not appear on the 1782 British Headquarters map (or its 1900 copy by B.F. Stevens), nor the 1782 Hills map. DeLancey’s Square is depicted on none of the maps published in or depicting conditions in 1782.

C. FORTIFICATIONS CONSTRUCTED DURING THE REVOLUTION

As the 18th century drew to a close, conflicts between the American colonists and the British government grew fierce. The American forces attempted to retain control of New York City at the outset of the Revolutionary War in 1776, and made attempts to construct defensive fortifications along what is now the Lower East Side of Manhattan, including a redoubt on Jones Hill, one of the highest points in the area (Jones 1879). However, the British Army quickly took control of the area and began to increase fortifications along the East River, one of their most valuable military assets. Fortifications were especially heavy on the Lower East Side, as its tall hills afforded views of the entire harbor, allowing British detection of approaching American ships or troops. The large elevated area to the east of the project site, known as Jones’ Hill or Mount Pitt, was the location of an American fort sometimes referred to as the “Crown Point Battery,” which was later occupied by the British and strengthened with “fraises and pickets” (New York State Division of Military and Naval Affairs [NYSDMNA] 2006). During the war, several smaller batteries were constructed around the fort (ibid). Many Hessians, German mercenaries who fought on the side of the British, were camped in the area during the war (Stokes 1967).

Both the 1782 British Headquarters map (see **Figure 5**) and the 1782 Hills map depict many fortifications within and in the vicinity of the project site. Several batteries were constructed on the hills overlooking the waterfront in the vicinity of the project site. A substantial fortification wall with several firing platforms was constructed in the vicinity of modern Grand Street and connected to the Jones Hill fort.

Throughout the war, the DeLancey and Jones families remained loyal to the British crown (Burrows and Wallace 1999). James DeLancey, Jr. visited England in the spring of 1775 and because of the impending American rebellion, neither he nor his family ever returned to America. As a result of the Act of Confiscation of 1779, the DeLancey estate was divided and sold by Isaac Stoutenburgh and Philip Van Cortlandt, who were Commissioners in Forfeiture (Stokes 1967). After the sale of the DeLancey estate, the majority of the land was heavily and quickly developed with the exception of the land within and immediately surrounding the project site. In 1785, the project site was included within a grant of land transferred from the Commissioners of Forfeiture for the Southern District of New York—the municipal entity designated to dispose of land confiscated from loyalists—to Morgan Lewis (Manhattan Liber 43, Page 36). Lewis would sell the property to John R. Livingston in 1792 (Manhattan Liber 47, Page 376),

and the Livingston family would continue to own the land for some time and was responsible for its subdivision into individual lots for development.

Because of the military presence in the area during the Revolutionary War, the Lower East Side was not heavily developed until after the war ended and the British evacuated the city in 1783. The end of the war resulted in the division of large farms, such as DeLancey's, which resulted in the rapid urbanization of the Lower East Side. The division of these large farms also resulted in an increase in street development, as evident on the 1789 McComb map of Manhattan. This map shows that a neat street grid had been constructed through a portion of the former DeLancey farm as far north as Broome Street and as far east as Norfolk Street, however, this map does not appear to accurately depict the construction of or location of any streets in the neighborhood. The 1797 Taylor-Roberts plan more accurately depicts the laying out of the streets in the vicinity of the project site, including Broome (Bullock), Grand, Clinton (Arundel), and Pitt Streets, the last of which was named in honor of Mount Pitt. That map continues to depict the former Jones estate as an intact property covering modern Block 341 in its entirety and suggests that while Attorney and Ridge Streets ran to the north and south, they had not been cut through the project site at that time.

D. 19TH CENTURY SITE HISTORY

The rapid development of the DeLancey farm began early in the 19th century; however, as the project site remained a part of the largely undeveloped Mount Pitt estate, it was developed later than the surrounding neighborhood. Road construction, grading, and maintenance were also occurring at the end of the 18th century and into the beginning of the 19th century. It is thought that the Jones mansion was demolished ca. 1799 as part of road construction efforts (Stokes 1967). In 1803, the Common Council ordered all the proposed streets running through the former DeLancey farm to be opened, and most of the streets bordering the project site were constructed in the years that followed (*Minutes of the Common Council* [MCC] 1917 III: 199). The streets were constructed at different times in the early 19th century, and Ridge Street was not extended through the site until 1825 (Stokes 1967). The development of the area was preceded by the leveling of the large hills that formerly lined the Lower East Side and the filling in of low-lying areas, which facilitated the grading of Jones Hill. Holmes' 1869 map of the former DeLancey farm depicts the division of the surrounding blocks into development lots while the project site remained within Mount Pitt (see **Figure 4**).

By the beginning of the 19th century, new structures had been built across much of the former DeLancey farm. However, maps published by Bonar in 1804 and Longworth in 1808 suggest that the streets east of Clinton Street, including those within the project site, had not yet been constructed and that only minimal development in the area had occurred by that time. Property records indicate that while John R. Livingston had purchased the former Mount Pitt estate in 1792, he and his heirs did not begin to sell smaller lots within the property until the 1820s and continued to use the property as a "country" estate as the surrounding area became increasingly urban. The Livingston family was prominent in New York City and John R. Livingston's brother, Robert, was the Chancellor of the City of New York and considered to be one of the country's "founding fathers" (Burrows and Wallace 1999; Gilfoyle 1992: 43). Livingston had resigned his commission in the American continental army in order to pursue "personal profit," amassing large landholdings (Gilfoyle 1992). Among his vast real estate holdings was a significant amount of land in the vicinity of the notorious Five Points and Corlear's Hook neighborhoods, and Livingston's fortune was built through the success of a vast network of brothels established on his properties, making him the "New York's leading landlord of vice" (ibid: 44).

Maps dating to the 1820s and 1830s (i.e., the 1824 Hooker, 1828 Morin, 1832 Burr, and 1836 Colton maps) depict development in the vicinity of the project site. None depict individual building footprints, with the exception of public or institutional structures (e.g., churches and markets) or homes on large

estates—none of which are shown within the project site. The site was located within a municipal division known as the Tenth Ward until 1828, when increased population and density of development caused the ward to be split and the project site was included within the new Thirteenth Ward.

The 1836 Colton map is the first to identify the Church of St. Mary's immediately to the south of the project site at the northwest corner of Grand and Ridge Streets). The church's congregation had been established in the 1820s and it initially met at the site of the former Seventh Presbyterian Church on Sherriff Street when the latter church began looking for a larger church in 1826 (Dunlap 2004; Manhattan Liber 212, Page 410). Saint Mary's constructed the current church in 1832 on a 100-foot by 73.75-foot parcel (historical Lot 25) purchased in 1831 and expanded to the north with an additional parcel (historical Lot 25) purchased in 1836 and additional acquisitions made between the 1860s and the 1890s (Dunlap 2004; Manhattan Liber 278, Page 536; Manhattan Liber 354, Page 25). The Seventh Presbyterian Church constructed a new building to the north of the project site at the northeast corner of Broome and Ridge Streets in 1826 and the church maintained burial vaults on that property until 1853 (*New York Times* 1882). Burials in Manhattan to the south of Grand Street were banned in 1823, burials south of 14th Street were banned in 1833, and burials south of 86th Street were banned in 1851—though, as indicated above, burials continued in many cemeteries in opposition to these legal restrictions (Burrows and Wallace 1999; Inskip 2000). There is no indication that Saint Mary's Church also maintained burial vaults; however, if the church did have vaults, they would have been confined to the original church property located to the south of the project site.

According to historic tax assessment ledgers, most of the lots within the project site were developed with houses or shops after 1820. The ledgers indicate that John R. Livingston owned the three historical blocks included within the project site in their entirety, with the exception of four parcels that were developed with houses: two lots along the eastern side of Clinton (Arundel) Street at the corner of Grand Street (outside the study area of this Phase 1A study) that were owned by "Widow Michaels" and occupied by Samuel McIntyre, and two lots along the northern side of Grand Street between Attorney and Ridge Streets (within the study area), which appear to represent the Livingston home. The 1825 tax assessment data indicates that following the subdivision and sale, a small number of lots within historical Blocks 341 and 346 had been developed with houses or shops/commercial structures, though many vacant lots remained. As the Livingston family continued to sell off property, more and more buildings were constructed on the project site, and by 1840, nearly all of the properties were developed.

While the tax assessments give some information about the early development of these lots, the ledgers are handwritten and often contain erroneous or inconsistent information; therefore, historic maps are more reliable. The first map to clearly depict the footprints of the buildings that were situated within and adjacent to the project site is the 1852 Dripps map. The map shows that every lot within the project site was occupied by one or more structures and nearly all had an open rear or center yard. Several industrial and commercial enterprises were in the vicinity of the project site as well, including the Union Wood Moulding Mills on the western side of Attorney Street between Broome and Grand Streets.

INDUSTRIAL AND RESIDENTIAL DEVELOPMENT IN THE MID-19TH CENTURY

The 1852 (see **Figure 6**) and 1857 Perris maps provide more information on the structures that were located within the project site at that time. Most were of wood frame construction, although many brick buildings were also present. Many of the lots within the project site were developed with both front and rear buildings separated by an open center yard. Many hazardous commercial buildings were present as well, which were divided by Perris into three classes based on the types of hazards posed by each. First class stores included any of the following: bakers, boat builders, brewers, brush manufactories, comb makers, copper smiths with forges, dyers, floor cloth manufactories, hat manufactories, malt houses, oil manufactories, oil cloth manufactories, private stables, tobacco manufactories, type and stereotype

founders, and wheelwrights. Second class structures housed book binders, brass founders, coach makers, cotton presses and mills, iron founders, livery stables, paper mills, and book and job printers. Third class buildings included blind and sash makers, bleaching works, cabinet makers' workshops, carpenter's shops, candle makers, chair maker's workshops, distillers, gas manufactories, flour mills, ink makers (printer's ink), India rubber or gutta percha manufacturers, lamp black and ivory black manufacturers, looking glass and picture frame makers, musical instrument makers, omnibus stables, organ workers, piano forte makers, rectifiers of liquors by fire heat, soap makers, tallow melters or chandlers, or wool mills.

It was noted that wells in the vicinity of the project site proved somewhat useless as the water that filled them was salty and brackish as a result of the site's proximity to the East River and the marshes that formerly lined the waterfront (Acheson 1864).

During the second half of the 19th century, the Lower East Side quickly became overwhelmed by overcrowded slums, filth, and disease, and it was considered by many to be one of the worst neighborhoods in New York City. Sanitary inspection reports of the Thirteenth Ward describe the squalid conditions of the neighborhood in 1864. The ward's level terrain prevented the adequate drainage of stormwater and other runoff, resulting in a lack of health and sanitation in the general neighborhood (Acheson 1864). As a result of the poor drainage and poor sanitation practices at the time, the streets in the ward were "filthy and unwholesome" and were filled with "the refuse of the bedrooms of those sick with typhoid and scarlet fevers and small pox" (ibid: 111). The Thirteenth Ward had fewer sewers than neighboring wards and few buildings were connected to them. This forced residents to rely on poorly maintained privies (ibid). By the 1850s, water lines and possibly sewer lines would have been accessible in the streetbeds surrounding the site, many of the buildings in the area continued to have outbuildings which were likely privies. The 1852 and 1857 Perris maps indicate that many of the buildings in the area continued to have outbuildings that may have been outhouses/privies. The residents of this portion of the city were described as a "careless and ignorant class of occupants," most of whom were Irish or German and employed as laborers, mechanics, factory workers, and tradesmen (ibid: 111-112).

THE LATE 19TH CENTURY

As the 19th century ended, the Lower East Side featured a demographic shift as lower-class immigrants flooded the area and lived in the overcrowded tenements that lined the neighborhood's streets. By the mid-19th century, the area was home to many Irish immigrants, although the neighborhood became a German enclave by the mid-1800s. During the last few decades of the 19th century, it became populated mostly by Jewish immigrants from Eastern Europe (Howe 2000). During the surge of immigration in the mid-19th century, many of the old two-story wood frame rowhouses that had lined the streets of the Lower East Side were replaced with four- to five-story brick tenements designed to house large numbers of people, most of whom were poor immigrants (ibid). In 1865, the majority of the tenants were reported to be working-class or laboring-class Irish and German immigrants, including a large number of women who earned a living working in factories (Acheson 1865). Historical directories do in fact identify a large number of single women as residents of the project site properties (see **Appendix C**).

Overcrowded tenements were a major factor in the deterioration of living conditions during the late 19th century. The 1885 Robinson-Pidgeon atlas continues to depict a variety of small buildings across the project site. By the publication of the 1891 Bromley atlas, nearly all of the lots within the project site were occupied by brick structures, many of which still had open rear yards, although a few wood frame structures or brick-fronted wood frame structures remained and many new larger structures had been built occupying entire lots.

E. 20TH CENTURY SITE HISTORY

In the first decades of the 20th century, the neighborhood surrounding the project site continued to decline, even as large infrastructure improvements were made as a result of the consolidation of the boroughs of New York City in 1898. The construction of the Williamsburg Bridge between 1896 and 1903 resulted in drastic changes to the neighborhood (Stokes 1967). The neighborhood remained a Jewish enclave during this time. Many synagogues were present both within the project site and across the Lower East Side; however, synagogues were often established in converted tenement apartments rather than in formal structures built for religious purposes (Bergoffen 2008). Many synagogues at that time contained tiled ritual baths known as *mikvahs* located in their basements. Several *mikvahs* have been investigated during archaeological investigations in the area, including one at 5 Allen Street, to the west of the project site (ibid). The 1905 Sanborn map (see **Figure 7**) identifies “baths” within the basement of 26 Ridge Street (Historical Block 341E, Lot 38), which—along with the adjacent property at 28 Ridge Street (Historical Block 341E, Lot 39)—are identified as part of a synagogue on the 1923 Sanborn map (see **Figure 3**).

In 1955, the area bounded by Essex Street on the west, Grand Street on the north, and East Broadway on the south was designated as the Seward Park Urban Renewal Area (SPURA). As part of that program, the buildings within the area were razed, displacing thousands of families. In 1957, the federal government provided funding for the Seward Park Co-ops, which were completed to the south of the project site in 1962. Established in 1965, the Seward Park Extension Urban Renewal Area (SPEURA), directly north of the original SPURA, is bordered by Essex Street, Grand Street, Bialystoker Place, and Delancey Street. The “Seward Park Extension” was a \$50 million redevelopment project designed to avoid impacts to older cultural institutions located within the SPEURA, including Saint Mary’s Church to the south of the project site (*The Boston Globe* 1965). To facilitate the construction of the existing housing development, the buildings formerly occupying the project site were demolished.

F. SUBSURFACE INFRASTRUCTURE IN THE VICINITY OF THE PROJECT SITE

Despite its status as one of America’s largest and most industrially developed cities, New York did not have a reliable network of water and sewer lines until the mid-19th century. Instead, water and waste management on domestic lots was handled by the use of shaft features, such as privies, cisterns, and wells. Public wells were constructed by the city in publicly accessible areas along city streets and early gutters, and drains carried waste directly into the East River.

As sewer and water lines were not yet consistently available, any buildings constructed on the project site in the late 18th or early 19th centuries would have relied on shaft features for the purposes of sanitation and water gathering. Early New Yorkers relied on public wells in the streets to obtain water for drinking and cooking. The first water pipes were installed in the early 19th century by the Manhattan Water Company, the precursor to the Chase Manhattan Bank. These wooden pipes carried water from local sources (i.e., the Collect Pond) to other areas in downtown Manhattan. Examples of these early pipes were discovered in 1889 under Peck Slip, southwest of Pike Slip, during construction for a sewer line. The cedar logs discovered at that time measured eight feet in length and twelve inches in diameter, with two-inch holes bored in the center (*New York Times* 1889).

By 1829, the city had constructed a reservoir near the intersection of modern 13th Street and the Bowery. An iron pipe ran between the reservoir and Catherine Street, bringing water to the Lower East Side (Burrows and Wallace 1999). The first evidence of water lines in the area is presented on the 1834 *Fireman’s Guide*, which depicts the presence of fire hydrants (and therefore water lines) along Delancey

and Sherriff Streets in the vicinity of the project site, but not in any of the streets within or adjacent to the project site.

Despite its initial success, the wooden pipe water supply system could not be sustained for very long because local water sources became too polluted. It was not until 1842 that the Croton Aqueduct system brought significant amounts of clean water into Manhattan. A map of the complex distribution system associated with the Croton waterworks published by Endicott in 1842 depicts water lines and stop cocks running through all of the streetbeds within and surrounding the project site. Although water lines were present by 1842, sewers were not installed in the area until the 1850s and 1860s, after the existing street and storm sewers were overwhelmed by the increase in wastewater brought on by the installation of the Croton Aqueduct (Goldman 1997). Near the project site, the 1857 Currier map of Manhattan's sewer system identifies sewer lines within Broome, Grand, and Clinton Streets at that time, suggesting that not all of the buildings along Pitt and Ridge Streets would have had access to sewers by the late 1850s. By the 1860s, sanitary inspection reports indicate that approximately 15 percent of the buildings in the Fourth Sanitary District on the Lower East Side—of which the project site was not a part—had indoor plumbing with flushable privies, often in basement areas (Pulling 1865). However, descriptions indicate that these facilities were inconsistent and unsanitary (*ibid*).

Even after the installation of sewers, not all buildings were connected immediately. The Thirteenth Ward, in which the project site was situated, was known for its lack of adequate sewerage, and while there had been the installation of “trunk lines on Stanton, Rivington, Delancey, Broome, and Grand Streets...branch lines were not constructed on the cross streets of these wards, which were dominated by ‘factories, warehouses, and frame houses typical of this nascent German community’” (Goldman 1997: 73). Even when sewer lines were available in certain areas, the connection fee of \$10.00 “reinforced the already inequitable pattern established by the protocol of sewer construction...the city’s poorest could not carry these charges, and absentee property owners did not care to” (*ibid*). Therefore, the use of privies would have continued on domestic lots until sewer lines were constructed and perhaps even well after. In 1854, the city ordered that all buildings in areas with access to sewers must be connected to them and also that all privies, etc. had to be connected as well, although this was not regularly enforced (*ibid*). By 1865, the majority of the buildings in the neighborhood had not yet been connected to sewer lines (Acheson 1865).

The 1865 Viele map depicts early sewers within Broome, Grand, and Clinton Streets. A sewer map prepared by the Department of Public Works in 1942 (updated through 1958) identifies the dates that some sewers in the vicinity of the project site were installed. The map indicates that a four-foot by two-foot eight-inch sewer was installed within Grand Street between Suffolk and Ridge Streets in 1852. Another sewer line of the same size was installed in Broome Street; its date of installation is not given on the map, although it was likely installed around the same time as the sewer in Grand Street. Sewer connections of the same size extended south from the Broome Street line down Essex, Norfolk, and Clinton Streets, and were installed between 1856 and circa 1868. Between Broome and Delancey Streets, a three-and-a-half-foot by two-foot sewer was installed in Essex Street in 1891 and smaller 15-inch connections were installed in Norfolk, Suffolk, and Clinton Streets in 1906, although these may have replaced earlier lines, such as the Norfolk Street sewer seen in the 1865 Viele map.

After the mid-19th century, as clean water was pumped in and waste carried away, the city’s sanitation efforts were greatly improved. The 1879 Bromley atlas depicts numerous fire hydrants lining the streetbeds surrounding the project site, confirming the presence of water lines in the area. The 1891 version of the Bromley Atlas is the first to clearly show the utility lines that ran through the area and depicts water and sewer lines running through all of the streetbeds surrounding the project site. Subsequent historic maps and atlases depict additional water lines in the streetbeds.

G. SUMMARY OF INDIVIDUAL LOT HISTORIES

This section includes a summary of the development of each lot included in this Phase 1A study area following the subdivision of the Mount Pitt estate as described above. The development of each of these properties occurred between the 1820s and the 1840s. The earliest development was largely documented through historical conveyance records (see **Appendix A**) and tax assessment records (see **Appendix B**). Information on the lot's residents as recorded in historical directories published through 1860 is included in **Appendix C**. The development of the individual lots over time was documented using historical maps, including the 1852 Perris atlas (see **Figure 6**), the 1857 Perris atlas, the 1867 Dripps map, the 1879 Bromley atlas, the 1885 Robinson-Pidgeon atlas, the 1891 Bromley atlas, the 1905 Sanborn map (see **Figure 7**), the 1923 Sanborn map, and the 1951 Sanborn map. Other maps and historical documents were consulted as necessary, and are referenced below.

HISTORIC BLOCK 346, LOT 41 (148 CLINTON STREET)

The property on historical Block 346, Lot 41 was historically known as 118 Clinton Street until circa 1848 and as 148 Clinton Street thereafter. Tax assessments and conveyance records indicate that the property was first developed circa 1829, when John R. Livingston sold the lot to Samuel Smith and a store owned by Smith and Atkinson was constructed on the lot. The 1852 Perris atlas depicts two buildings on the property: a first-class brick dwelling with a wood frame rear addition and a second-class brick dwelling at the rear (eastern) end of the lot accessed via a narrow alley to the north of the front house. The 1857 Perris atlas depicts the house in a similar manner, as does the 1891 Bromley atlas. By the publication of the 1905 Sanborn map, the lot had been redeveloped with a five-story tenement building with an approximately 15-foot-wide rear yard. Maps do not indicate that the building was constructed with a basement. This building stood on the lot through the publication of the 1951 Sanborn map and appears to have been demolished in advance of the construction of the existing housing development.

HISTORIC BLOCK 346, LOT 42 (146 CLINTON STREET)

The property on historical Block 346, Lot 42 was historically known as 116 Clinton Street until circa 1848 and as 146 Clinton Street thereafter. Tax assessments and conveyance records indicate that the property was first developed circa 1831, when John R. Livingston sold the lot to Elias Randel. The 1852 Perris atlas depicts two buildings on the property: a wood frame dwelling along Clinton Street and a first-class brick dwelling at the rear (eastern) end of the lot accessed via a narrow alley to the north of the front house. The 1857 Perris atlas depicts the house in a similar manner, as does the 1891 Bromley atlas, although the latter map identifies the front house as a brick structure. By the publication of the 1905 Sanborn map, the lot had been redeveloped with a six-story (with basement) tenement building with an approximately 12-foot-wide rear yard. This building stood on the lot through the publication of the 1951 Sanborn map and appears to have been demolished in advance of the construction of the existing housing development.

HISTORIC BLOCK 346, LOT 43 (175-177 BROOME STREET)

Historical Block 346, Lot 42 was created as part of a later property division and was originally included within the rear yards of the properties at 175 and 177 Broome Street. The parcel was historically known as 114 Clinton Street until circa 1848 and as 144 Clinton Street thereafter. Tax assessments and conveyance records indicate that the properties at 175 and 177 Broome Street (historical lots 44 and 45) were first developed between 1825 and 1830. The 1852 and 1857 Perris atlases show that Lot 43 had not yet been separated from Lots 44 and 45 and that it contained outbuildings associated with the original lots. The lot appears to have been separated from Lots 44 and 45 between the publication of the 1867

Dripps and 1879 Bromley atlases. The 1879 Bromley atlas doesn't depict building footprints, though the 1885 Robinson-Pidgeon atlas indicates that the lot was developed with a brick structure. The 1905 Sanborn map identifies the building as a five-story store and dwelling without a basement. This building stood on the lot through the publication of the 1951 Sanborn map and appears to have been demolished in advance of the construction of the existing housing development.

HISTORIC BLOCK 346, LOT 47 (171 BROOME STREET)

Tax assessments and conveyance records indicate that the property on historical Block 346, Lot 47 (171 Broome Street) was first developed between 1825 and 1830. In 1830, the lot was owned by Edward Livingston and occupied by Rosewell Wright, indicating that, like several properties on the block, it was maintained as a rental home. The 1852 and 1857 Perris atlases indicate that the lot was developed with a wood frame structure along Broome Street with two outbuildings at the rear (southern) end of the yard. The 1852 map indicates that the house was used for industrial purposes. The 1885 Robinson-Pidgeon map continues to depict the property in the same manner but indicates that a brick house was added at the rear (southern) end of the lot. The 1905 Sanborn map depicts both buildings and indicates that the wood frame front house—identified on the map as a three-story building with a basement—was modified with the addition of a brick front. The Sanborn map indicates that the rear building was a two-story brick factory without a basement. By the publication of the 1923 Sanborn map, the lot, along with historical Lots 44 through 46 to the west, had been redeveloped with a six-story (with basement) residential building. An approximately 14- by 20-foot undeveloped courtyard was located in the location of the former rear yard of 171 Broome Street, suggesting that the rear yard of the lot may not have been fully disturbed by basement excavation.

HISTORIC BLOCK 346, LOT 48 (169 BROOME STREET)

Tax assessments and conveyance records indicate that the property on historical Block 346, Lot 478 (169 Broome Street) was first developed between 1825 and 1830. In 1830, the lot was owned by Edward Livingston and occupied by "Mr. Horton," indicating that, like several properties on the block, it was maintained as a rental home. The 1852 Perris atlas depicts the property as developed with a wood frame dwelling in the front along Broome Street and two outbuildings at the rear (southern) end of the lot. The 1857 Perris atlas depicts the property in a similar manner but indicates that the rear yard was redeveloped with a third-class frame industrial building. The 1885 Robinson-Pidgeon map continues to depict the front building on the lot but suggests that the rear yard was vacant at that time. The 1905 and 1923 Sanborn maps depict the house at 169 Broome Street as a three-story (with basement) frame building with a brick façade and indicates that a three-story (with basement) extension had been added to the southern side of the building. The 1951 Sanborn map indicates that the building had been demolished and that the lot was entirely vacant.

HISTORIC BLOCK 346, LOT 54 (41 ATTORNEY STREET)

Historical Block 346, Lot 54 was created as part of a later property division and was originally included within the rear yards of the properties at 159 to 163 Broome Street. Tax assessments and conveyance records indicate that the properties at 159 to 163 Broome Street (historical lots 51 through 53) were first developed between 1825 and 1830 and, like other lots on the block, were owned by Edward Livingston and occupied by rental tenants. The 1852 Perris atlas shows that Lot 54 had not yet been separated from Lots 51 to 53 and that it was developed with a number of outbuildings associated with the original lots. By the publication of the 1857 Perris atlas, the lot had been established and was developed with a brick structure with a narrow undeveloped rear yard. The brick structure—identified on later maps as a five-

story dwelling with basement—continues to appear on maps through the 1923 Sanborn map and was demolished by the publication of the 1951 Sanborn, which depicts the lot as vacant.

HISTORIC BLOCK 346, LOTS 55 AND 56 (39 AND 37 ATTORNEY STREET)

Block 536, Historical Lots 55 and 56 were historically connected throughout their early history. The property on historical Block 346, Lot 55 was historically known as 27 Attorney Street until circa 1842 and as 39 Attorney Street thereafter. Lot 56, located to the south, was historically known as 25 Attorney Street until circa 1842 and as 37 Attorney Street thereafter. Tax assessments suggest that Lot 55 was vacant until after 1840, while Lot 56 was developed between 1830 and 1835 and first used as a shop by Samuel Atkinson, who had purchased Lot 56 in 1831. The 1852 Perris atlas indicates that 37 and 39 Attorney Street (Lots 55 and 56) were partially connected at the rear yard. At that time, Lot 55 was developed with a wood frame structure along Attorney Street and two adjacent first class brick rear dwellings accessed by an alley located at the southern side of the front building. At the time, Lot 56 may have been set off as a separate property in the front two-thirds of that lot and it was developed with a brick dwelling with an undeveloped back yard. The 1857 Perris atlas depicts the properties in a similar manner, though it identifies the front and rear structures as third-class industrial buildings. These lots are depicted in a similar manner on the 1885 Robinson and 1891 Bromley atlases. The 1905 Sanborn identifies the front building on Lot 55 as a five-story (with basement) store and dwelling in use as a bakery with an oven constructed along the building's rear (western) façade. The building on Lot 56 was a three-story (with basement) store and dwelling. The two rear dwellings on the lots are identified as five stories each without basements and two small one-story wood frame outbuildings were also located in the rear yard. Both parcels are depicted in the same configuration on the 1923 Sanborn maps but all buildings on the two properties were demolished before the publication of the 1951 Sanborn.

HISTORIC BLOCK 346, LOT 57 (35 ATTORNEY STREET)

The property on historical Block 346, Lot 57 was historically known as 23 Attorney Street until circa 1842 and as 35 Attorney Street thereafter. Tax assessments indicate that the property was first developed circa 1837, when John R. Livingston sold the lot to Alexander Foristall. The 1852 and 1857 Perris atlases depict the property as developed with a brick dwelling with an undeveloped rear yard. This building is clearly depicted on maps through at least 1867. The 1885 Robinson atlas depicts a larger brick building with a different footprint, though it is not clear if this was a replacement structure or if the original building was extended to the rear. The 1905 Sanborn map identifies the second structure as a five-story (with basement) store and dwelling in use as a Chinese laundry. The property is depicted in a similar manner on the 1923 and 1951 Sanborn maps.

HISTORIC BLOCK 341 WEST, LOTS 5 AND 6 (32 AND 34 ATTORNEY STREET)

The property on historical Block 341W, Lot 5 was historically known as 24 Attorney Street until circa 1842 and as 32 Attorney Street thereafter. Lot 6 was historically known as 26 Attorney Street until circa 1842 and as 34 Attorney Street thereafter. Tax assessments indicate that the properties were first developed circa 1835, when John R. Livingston sold the lot to Nathaniel E. Adams. The 1852 and 1857 Perris atlases depict the lots as developed with mirror-image brick front dwellings along Attorney Street separated from brick rear dwellings by central courtyards each developed with a trapezoidal outbuilding. Between the publication of the 1885 Robinson and 1891 Bromley atlases, both lots were redeveloped with identical five-story (with basement) tenement buildings with narrow (12-foot-wide) undeveloped rear yards. The buildings continue to appear on maps through the publication of the 1951 Sanborn map.

HISTORIC BLOCK 341 WEST, LOTS 12 THROUGH 15 (155 THROUGH 149 BROOME

STREET)

The property on historical Block 341W, Lots 12 through 15 were historically known as 155 through 149 Broome Street, respectively. Tax assessments indicate that the lots remained vacant until after 1840. Conveyances indicate that the Livingston family did not sell the any of the four lots until 1853, when Lots 12 and 13 were sold to Henry Goldstein, and 1854, when Lots 14 and 15 were sold to Samuel and Sophia Schafer. The 1852 and 1857 Perris atlases depict the lots as developed with a row of identical brick houses with rear yards containing long, L-shaped outbuildings lining the eastern and southern sides of each lot. The 1867 Dripps map continues to depict the lots in the same manner. The 1885 Robinson-Pigeon atlas continues to depict the brick houses at the northern end of each lot, but suggests that the rear yards of 155, 151, and 149 Broome Street had been redeveloped with a brick rear dwelling while the rear yard of 153 Broome Street was undeveloped. The 1891 Bromley atlas reflects no changes to the properties. By the publication of the 1905 Sanborn map, all four lots had been redeveloped with larger tenement buildings. Lots 12 and 13 were developed with a six-story (with basement) tenement with a 15-foot-wide undeveloped rear yard to the south. Lots 14 and 15 were redeveloped with a seven-story (with basement) tenement with a 10-foot-wide undeveloped rear yard to the south. Both buildings appear on Sanborn maps published through at least 1951.

HISTORIC BLOCK 341 WEST, LOTS 16 AND 19 THROUGH 21 (147 BROOME STREET AND 33 THROUGH 29 RIDGE STREET)

Block 341W, historical Lots 16 and 17 through 21 were irregularly-sized properties situated at the northeastern corner of the western half of historical Block 341 at the southwest corner of Broome Street and Ridge Street. Prior to 1886, Lots 17 through 21 were known as 23 through 19 Ridge Street. Lot 16 was a 20- by 41.6-foot lot that fronted on Broome Street; Lots 17 and 18 were 20- by 55-foot lots fronting on Ridge Street; and Lots 19 through 21 were approximately 20 feet by 75 feet fronting on Ridge Street. Lots 17 through 21 were sold to Andrew V. Stout, Jr. by John R. Livingston in 1835. Lot 16 remained vacant through 1840, but Lots 17 through 21 were likely developed circa 1835 and each lot contained a house. The 1852 Perris atlas depicts a brick house at the front of each of these six lots, with the houses on Lots 16 and 19 through 21 all approximately the same size. These buildings continue to appear on the lots through the publication of the 1891 Bromley atlas. The 1905 Sanborn map continues to depict the dwelling at 147 Broome Street/Lot 16—shown as a three-story (with basement) house with a 12-foot undeveloped rear yard—and at 33 Ridge Street/Lot 19—shown as a four-story (with basement) store and dwelling with a 26-foot rear yard containing a small wood frame outbuilding. By that time, Lots 20 and 21 had been redeveloped with a six-story (with basement) residential building with a 10-foot-wide undeveloped rear yard. The lots appear in the same condition on the 1923 Sanborn map. The 1951 Sanborn map indicates that the building on Lot 19 had been demolished at that time.

HISTORIC BLOCK 341 WEST, LOTS 22 AND 23 (27 AND 25 RIDGE STREET)

The property on historical Block 341W, Lot 22 was historically known as 17 Ridge Street until circa 1886 and as 27 Ridge Street thereafter. Historical Block 341W, Lot 23 was historically known as 15 Ridge Street until circa 1886 and as 25 Ridge Street thereafter. John R. Livingston sold Lots 22 and 23 to Reuben Smith in 1834 and 1837, respectively. Tax assessments indicate that each of the properties contained two houses—presumably front and rear dwellings—by 1835, at which time Reuben Smith owned Lot 22 and William H. Clark is associated with Lot 23, though property records do not indicate that he owned the property. The 1852 and 1857 Perris atlases depict the properties as developed with identical brick dwellings at the front (eastern end) of the lots along Ridge Street. The maps appear to indicate that the front houses were included in smaller lots within each property, and that a portion of the rear yards were developed with brick rear dwellings accessed by a narrow alley at the northern end of Lot

22. The properties are depicted in the same manner through the publication of the 1891 Bromley Atlas. The 1905 Sanborn map indicates that the two lots were redeveloped with a six-story (with basement) residential building with an undeveloped rear yard measuring 13.5 feet in width. The portion of the rear yard behind (west of) the building was entirely within the footprints of the former rear houses constructed by circa 1835. This building continues to appear on 1923 and 1951 Sanborn maps.

STREETBEDS OF ATTORNEY AND RIDGE STREETS

The streetbeds of Attorney and Ridge Streets were cut through the project site in the early 19th century. The 1842 Endicott map indicates that early water lines were present in both streets by that time. The 1879 Bromley atlas depicts several fire hydrants within both streets, another indicator of the presence of water lines. A 1942 map produced by the Manhattan Department of Public Works indicates that sewers were installed in Attorney Street in 1874, though it is unclear if this was the first sewer to be laid in this streets or if it replaced an earlier sewer. The map indicates that a sewer was installed in Ridge Street in 1906, however, the 1891 Bromley atlas indicates that both sewer and water lines ran in Attorney and Ridge Streets at that time. The streets remained active thoroughfares until the existing housing development was constructed in the early 1970s. Utilities continue to run through the former streetbeds.

A. CONCLUSIONS

As part of the background research for this Phase 1A Archaeological Documentary Study, various primary and secondary resources were analyzed, including historic maps and atlases, historic photographs and lithographs, newspaper articles, and local histories. The information provided by these sources was analyzed to reach the following conclusions.

ASSESSMENT OF PREVIOUS DISTURBANCE

STREETBEDS OF ATTORNEY AND RIDGE STREETS

Attorney and Ridge Streets were first constructed in the early 19th century and remained active streetbeds until the 1970s, when the existing housing development was constructed. Each of the streetbeds is presumed to be disturbed to a depth of approximately two feet as a result of the construction of the streetbeds themselves, as well as disturbance associated with grading, paving, and road maintenance. The streetbeds were further disturbed by the installation of utilities between the 19th century and the present. The installation of utilities would also have resulted in disturbance, with electrical, gas, and telecommunications lines expected to be at relatively shallow depths (two to three feet below the ground surface); water lines at a depth of approximately five feet below ground surface; and sewer lines at greater depths of 6 to 10 feet below grade. However, portions of some of the streetbeds may not contain utility lines and may therefore be undisturbed. It is assumed that the locations of any existing utilities are disturbed from the ground surface to a depth of two feet below the bottom of the utility line and to a distance of up to two feet beyond the outer sides of each utility line, representing the trench that was likely dug as part of the line's installation. Any location where no utilities are present or where there is a space of five feet or more between the outer edges of existing utilities should be considered to be undisturbed. Those locations beneath the disturbed portions of existing utility trenches are also to be considered undisturbed.

PRECONTACT SENSITIVITY ASSESSMENT

As described in Chapter 4, "Precontact Resources," Native American habitation sites in the region are most often located in coastal areas with access to marine resources near fresh water sources and areas of high elevation and level slopes less than 10 to 12 percent (NYAC 1994). Further indication of the potential presence of Native American activity near a project site is indicated by the number of precontact archaeological sites that have been previously identified in the vicinity. While Native American activity has been documented in the vicinity of the project site, given the extent to which the project site was disturbed as a result of the construction and demolition of buildings and the grading of hills and streets, it is unlikely that intact precontact deposits would be present within the site. Therefore, the project site is determined to have no sensitivity for archaeological resources dating to the precontact period.

HISTORIC SENSITIVITY ASSESSMENT

Nearly all of the historical lots included within the project site were disturbed to some extent as a result of excavation associated with the construction of buildings with basements. All lots that were fully developed or where all but a portion of the lot measuring less than 10 feet in width was developed with structures with basements are considered to be disturbed and are therefore not sensitive for archaeological resources. The rear yards of historical lots that were not fully disturbed by basement excavation are determined to have moderate sensitivity for archaeological resources associated with the 19th century residential occupation of those lots (see **Figure 8**). These archaeological resources are expected to include domestic shaft features, such as privies, cisterns, and wells, in the historic lots' rear yards. Undisturbed portions of the historic streetbeds of Attorney and Ridge Streets are considered to have moderate archaeological sensitivity for archaeological resources associated with the late 18th century and early 19th century occupation of the Lower East Side. However, there is significant potential for there to have been undisturbed basement excavation in rear yards similar to the properties within the area examined as part of the Essex Crossing Phase 1B Archaeological Investigation of the blocks located immediately west of the project site.

B. RECOMMENDATIONS

As discussed above, potential archaeological resources, including shaft features and artifact deposits within them, could be impacted by the proposed redevelopment of the project sites. Further study in the form of a Phase 1B archaeological investigation is recommended for those areas identified as archaeologically sensitive as described above and depicted in **Figure 8**. This testing should occur after the demolition of existing buildings on the project site. In the event that subsurface excavation associated with the project would occur in areas of the project site not included in this Phase 1A study areas (i.e., within the eastern half of Historical Lot 341), additional documentary research may be required. Prior to the start of the Phase 1B investigation, a Phase 1B Archaeological Testing Protocol must be submitted to LPC for review and concurrence.

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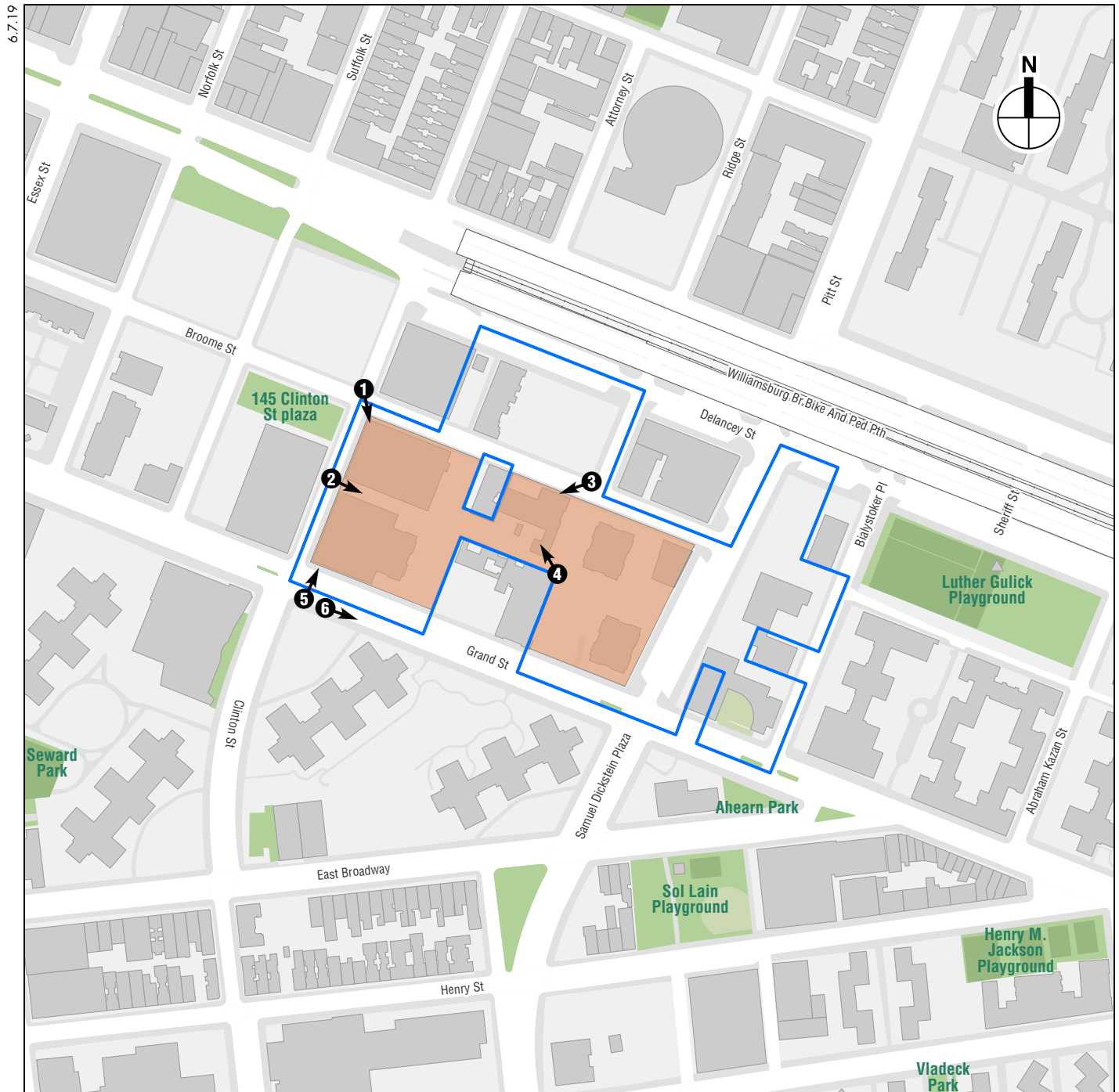
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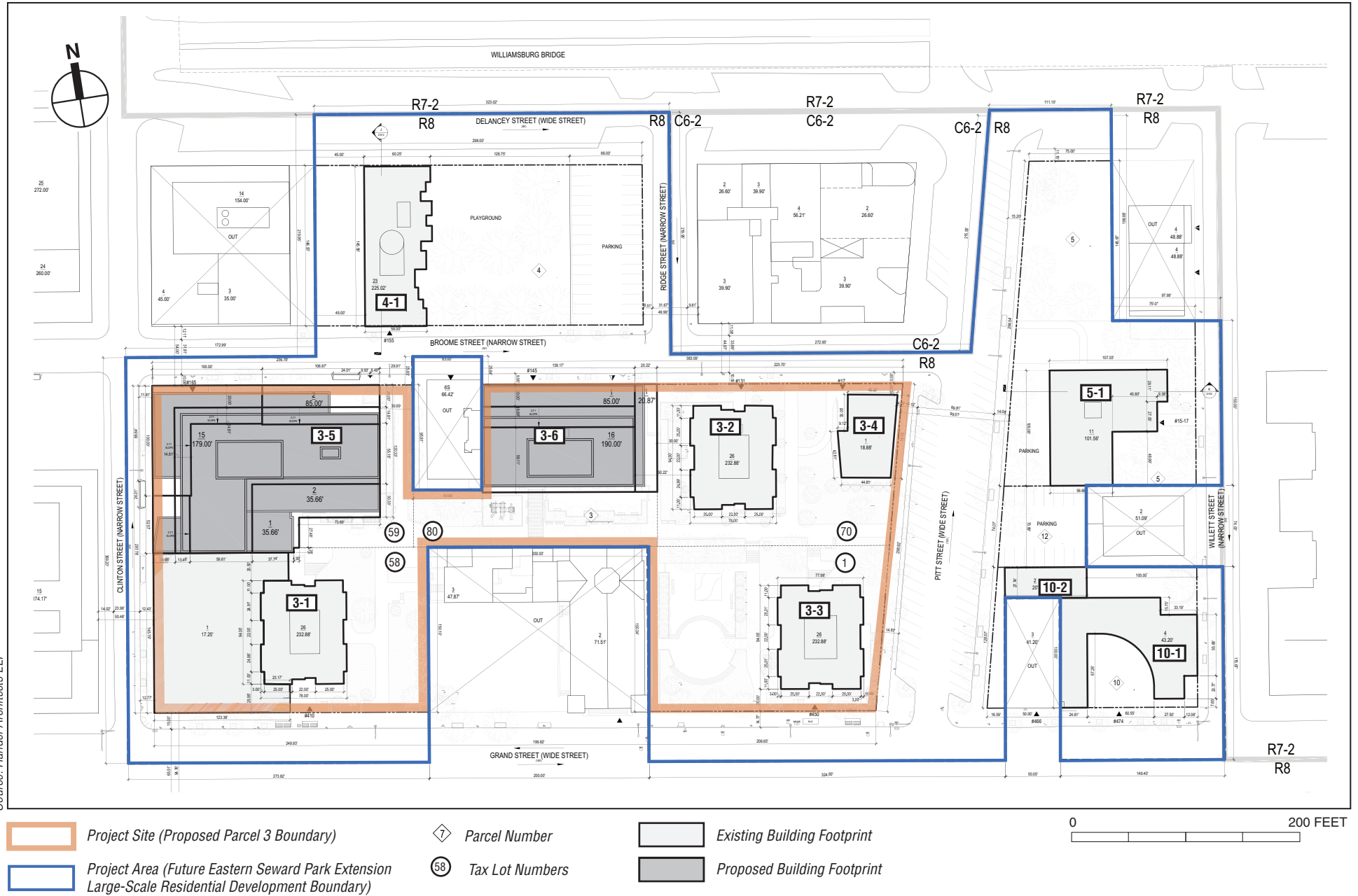
Figures



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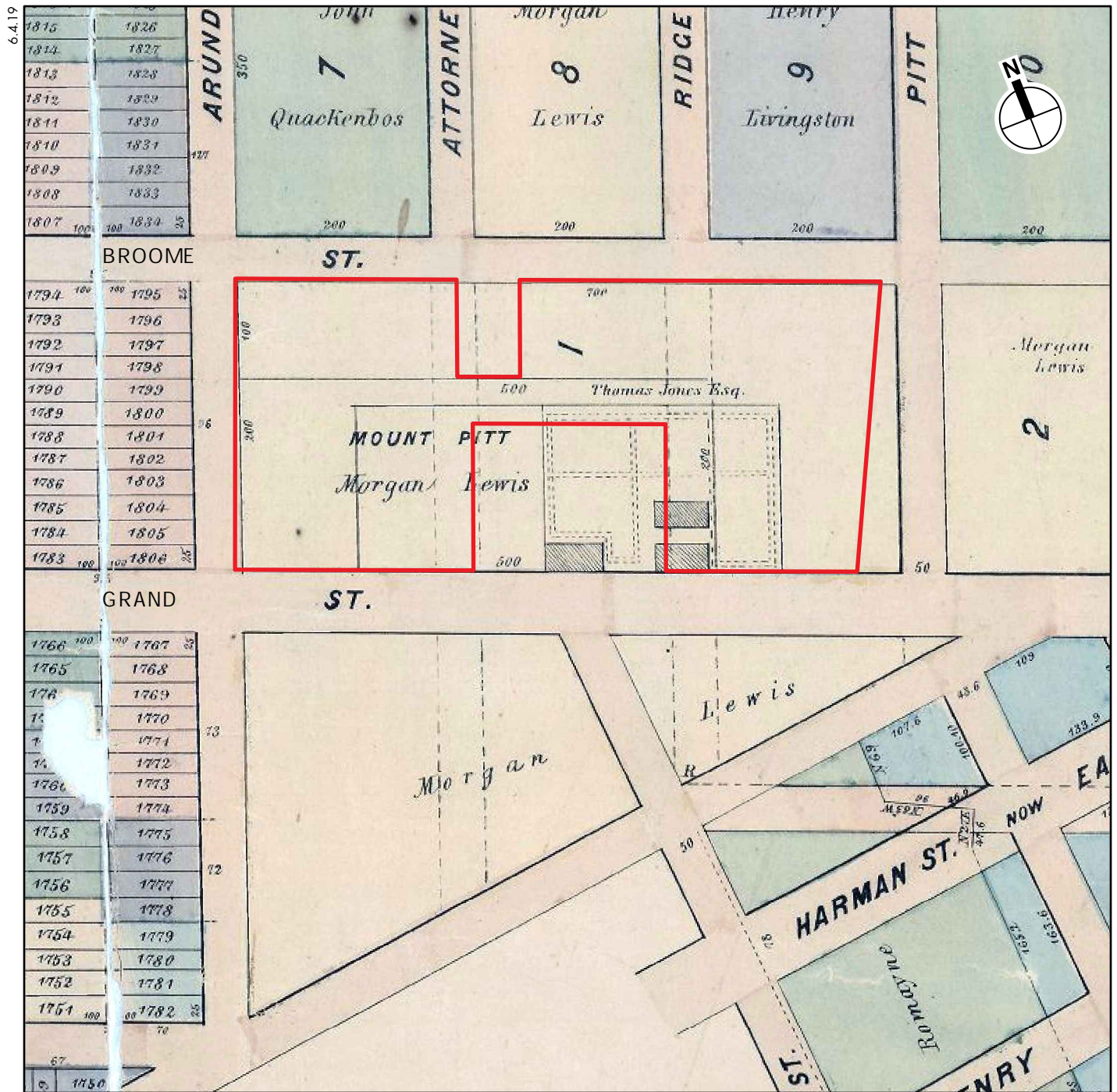
- Project Site (Proposed Parcel 3 Boundary)
- Project Area (Future Eastern Seward Park Extension Large-Scale Residential Development Boundary)
- Photo View Direction and Reference Number







- Project Site (Proposed Parcel 3 Boundary)
- Basement Disturbance



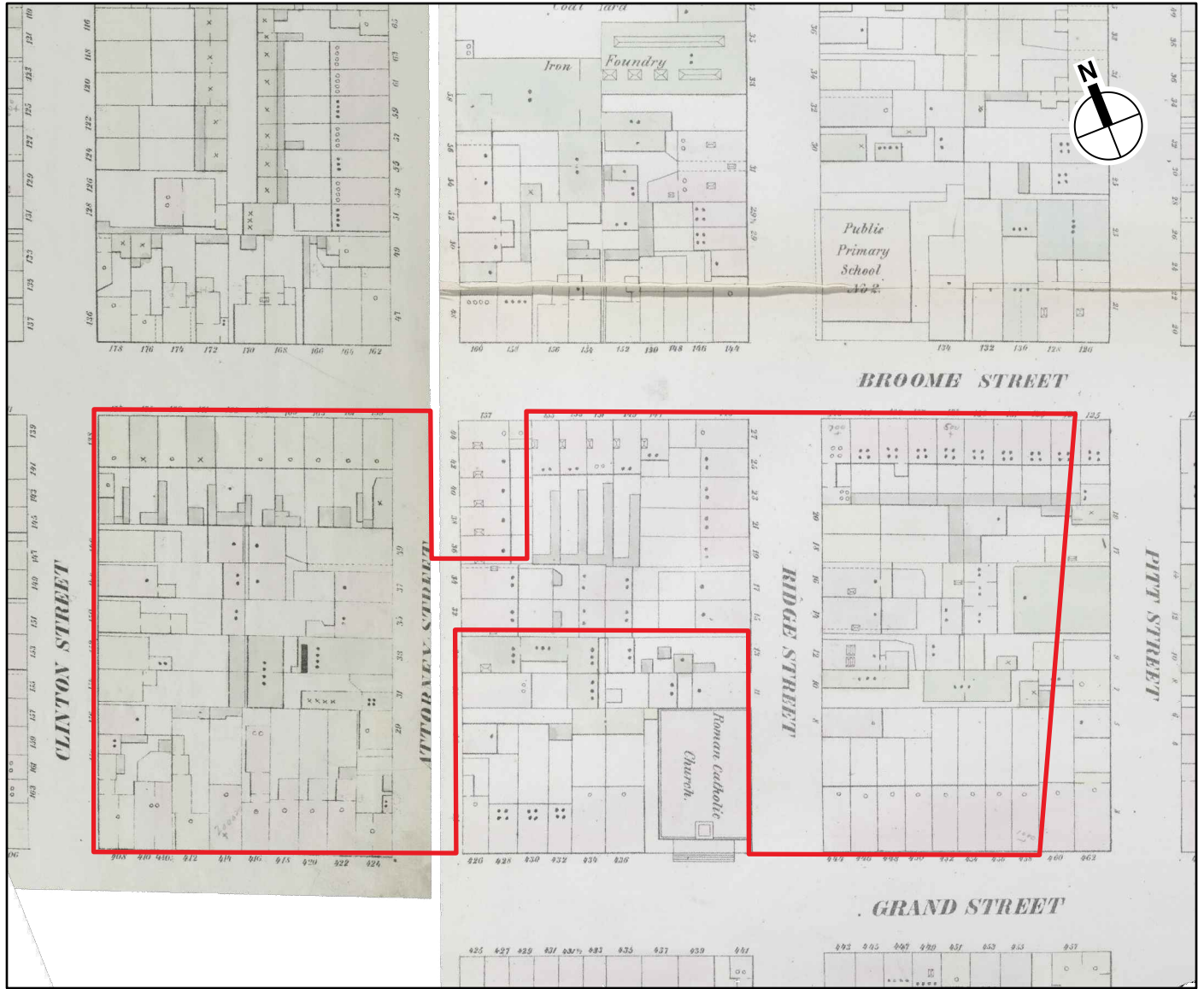
Project Site (Proposed Parcel 3 Boundary)

1867 Holmes Map
Figure 4

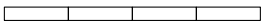


 Approximate Location
Project Site (Proposed Parcel 3 Boundary)

NOT TO SCALE

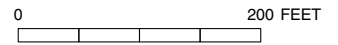


 Project Site (Proposed Parcel 3 Boundary)

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Project Site (Proposed Parcel 3 Boundary)





- Project Site (Proposed Parcel 3 Boundary)
- Areas Where Subsurface Disturbance is not Proposed
- Areas Sensitive for Rear Yard Shaft Features
- Streetbeds with Archaeological Sensitivity in Undisturbed Areas

0 200 FEET

Areas of Archaeological Sensitivity
Figure 8

Photographs



View southeast of the parking garage on the southeast corner of Clinton and Broome Streets on the site of proposed Building 3-5 (Block 341, portion of Lot 59)

1



View east from Clinton Street onto the project site. The parking garage is separated from Building 3-1 by a sidewalk and landscaping

2



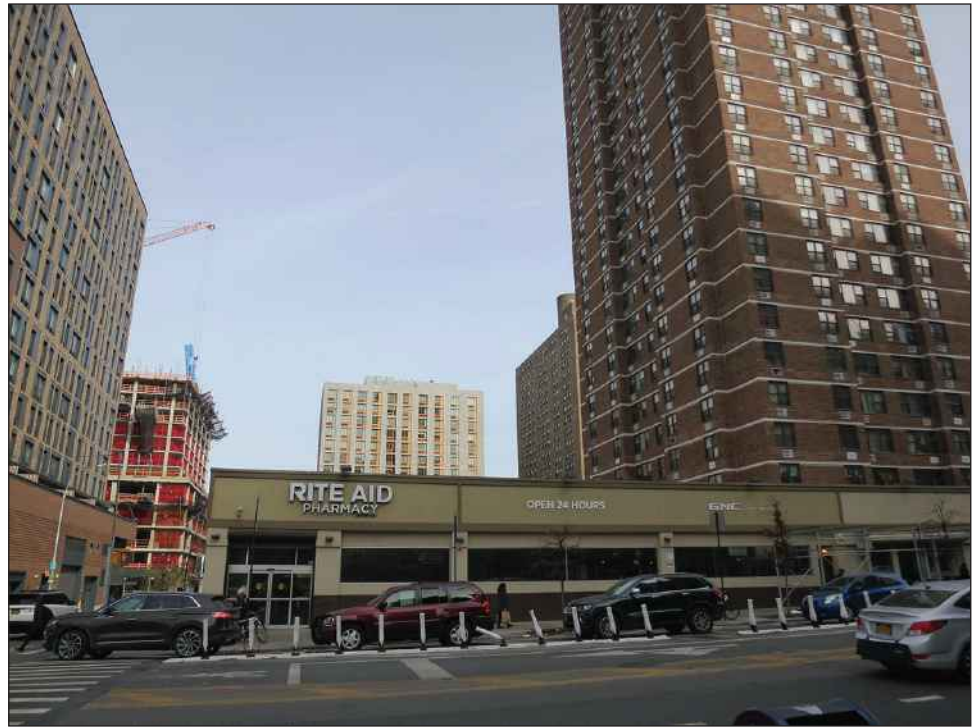
View southwest of the community facility center along Broome Street on the site of proposed Building 3-6 (Block 341, portion of Lot 80)

3



View northwest of the community facility from the interior of the project site

4



View north of the base of Building 3-1 (Block 341, portion of Lot 58) from Grand Street near Clinton Street

5



View northeast of Buildings 3-1, 3-2, and 3-3 of the Grand Street Guild Apartments (Block 341, Lots 1, 58, and 70)

6

<p>Appendix A: Summary of Historical Conveyances for the Phase 1A Study Area</p>
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Appendix A: Summary of Historical Conveyances for the Phase 1A Study Area

Table A-1
Historical Conveyances for Undisturbed Lots within the Project Site

Historical Block	Historical Lot	Date Recorded	Grantor	Grantee	Liber	Page
341 and 346	Entire Block 341; Block 346 Lots 37-68	8/19/1785	Commissioners of Forfeiture for the Southern District of New York	Morgan Lewis	43	36
341 and 346	Entire Block 341; Block 346 Lots 37-68	7/23/1792	Morgan and Gertrude Lewis	John R. Livingston	47	376
341	Not Lotted	2/14/1823	John R. Livingston	Nicholas Davis	165	106
341E	54-56	1/15/1825	John R. Livingston	John R. Livingston, Jr.	184	287
341W and 341E	26; 60-67	12/20/1825	John R. Livingston	Alexander Hamilton	198	300
346	42-55	6/30/1823	John R. Livingston	Edward Livingston	207	139
341E	56	9/29/1826	John R. Livingston, Jr.	Cornelius Lotten	209	181
341W and 341E	26; 60-67	12/5/1826	Alexander and Eliza P. Hamilton	Stephen Allen	212	190
341E	40-53	2/13/1829	John R. Livingston	David Halsey	247	80
346	41	7/15/1829	John R. Livingston	Samuel Smith	252	515
341E	53	11/12/1829	David Halsey	James T. Moore	256	251
341E	40	5/13/1830	David and Mary Halsey	George Everitt	262	229
341E	39, 54	6/24/1830	John R. Livingston	Thomas Pile	263	559
341E	37	7/13/1829	John R. Livingston	William Herren	264	295
341E	37	8/6/1829	William and Mary Herren	John Cook	264	500
341E	36, 57	1/17/1837	John R. Livingston	Richard Tweed and Hezekiah W. Bonnel	268	487
341	Ridge Street	1/17/1837	John R. Livingston	Richard Tweed and Hezekiah W. Bonnel	268	489
341W and 341E	25, 36	1/17/1837	John R. Livingston, Richard Tweed, and Hezekiah Bonnel	Agreement	268	490
346	56	12/26/1831	John R. Livingston	Samuel Atkinson	278	591
346	42	9/9/1831	John R. Livingston	Elias Randel	280	100
341E	38, 55	12/19/1831	John R. Livingston	Richard Hunt and James Tripp	280	229
341E	38, 55	3/19/1832	Richard and Jane Hunt and James Tripp	Jacob Lawall	282	370
346	43-54	5/21/1833	John R. Livingston	William Ogilvie	297	441
341E	41	5/7/1833	David and Mary Halsey	William Gladson	299	19
346	42	2/25/1834	John R. Livingston	Elias Randall	308	561
341E	52	5/5/1834	David and Mary Halsey	Knapp Lyon	311	394
341W	22	7/2/1834	John R. Livingston	Reuben Smith	315	340
341W	23	7/2/1837	John R. Livingston	Reuben Smith	315	342
341E	40	10/21/1834	George and Mary Everitt	William E. Skidmore	317	311
341W	17-21	11/15/1834	John R. Livingston	Andrew V. Stout, Jr.	317	378
341W	20	11/20/1834	Andrew V. Stout, Jr.	Anson Willis	318	153
341W	19, 20	11/21/1834	Andrew V. Stout, Jr.	James Berry	320	99
341W	21	11/21/1834	Andrew V. Stout, Jr.	Milton Roof	320	103
341W	16-21	2/7/1835	John R. Livingston	Andrew V. Stout, Jr.	322	587
341W	23	1/3/1835	Reuben and Hannah Smith	William A. Clark	323	105
341E	53	2/16/1835	James T. and Eliza Jane Moore	James H. Havens	324	436
341	Not Lotted	4/20/1835	Henry Hawxhurst	James Miller	326	543
341W	19, 20	5/19/1835	Andrew V. Stout, Jr.	James Berry	329	562
341W	20	5/19/1835	Andrew V. Stout, Jr.	Anson Willis	329	564
341W	21	5/18/1835	Andrew V. Stout, Jr.	Milton Roof	331	344
341W	21	6/8/1835	Milton and Sarah Ann Roof	James Donaldson	331	408
341W	5, 6	10/17/1835	John R. Livingston	Nathaniel E. Adams	336	623
341W	19	7/2/1835	James and Amelia R. Berry	James Donaldson	337	253

Table A-1 (cont'd)
Historical Conveyances for Undisturbed Lots within the Project Site

Historical Block	Historical Lot	Date Recorded	Grantor	Grantee	Liber	Page
341E	39, 54	10/17/1835	Thomas and Matilda Pike	John Rockett	339	626
341W	20	4/29/1836	Anson and Jane Willis	William Langshore	352	496
346	55	3/10/1836	Edward and Sarah Schuyler Livingston	John R. Livingston	354	26
341W	5, 6	7/12/1836	Nathaniel E. and Sarah Ann Adams	The East Baptist Church	357	534
341E	37	5/17/1836	John and Hannah S. Cook	William Watson Niles	359	112
346	55	4/11/1836	John R. Livingston	Samuel Atkinson	360	121
346	57	8/16/1837	John R. Livingston	Alexander Forristall and Welcome V.R. Arnold	379	379
341E	40	2/2/1838	William E. and Bridget Skidmore	Benjamin S. Pier	383	370
341W	5, 6	6/23/1838	Master in Chancery; Nathaniel E. Adams, et al., defendants	Matthias Ludlow	387	229
341W	5, 6	6/23/1838	The East Baptist Church	Matthias Ludlow	387	231
341W	22	9/18/1838	Reuben and Hannah Smith	Thomas Goin	387	395
341E	39, 54	8/8/1838	John and Rebecca Rockett	Joseph Carter	390	86
341E	41	12/26/1838	William and Phebe Gladson	Thomas Quirk	393	88
341E	52	5/15/1841	Joseph Carter	Thomas Carter	414	463
341E	39, 54	6/22/1841	Edward and Onny Donnelly	Arthur I. Donnelly	417	372
346	41	2/17/1842	Master in Chancery; Samuel Smith, et al., defendants	Arthur H. Lowerre	421	621
346	55, 56	2/25/1842	Master in Chancery; Samuel Atkinson, et al., defendants	Gabriel and David Purdy	422	439
341W	20	2/25/1842	Jacob A. and Eliza Westervelt and William and Elizabeth Langshore	Patrick Martin	422	447
341E	40	3/1/1842	Benjamin S. and Ann Maria Pier	Edward Mooney	422	489
341W	20	1/3/1842	Assignees of William Campbell and George W. Ribbet	Jacob A. Westervelt	423	58
341W	20	2/24/1842	Assignees of William Campbell and George W. Ribbet	Jacob A. Westervelt	423	340
346	57	5/2/1842	Alexander and Mary Foristall	Welcome V.R. Arnold	425	324
341W	23	1/30/1843	NY Life Insurance and Trust Company	Folker I. Beck	433	333
341E	39, 54	10/7/1844	Joseph and Sarah Carter	Thomas Carter	453	439
341W	16, 17	5/21/1845	Andrew V. Stout and Henry Piercy	Agreement	461	140
341E	39, 54	7/22/1845	Thomas Carter	Thomas Boyle	462	150
341E	36, 57	9/18/1845	Susannah Bonnel, wid. Hezekiah	Richard Tweed	465	467
341E	36, 57	9/18/1845	Benjamin S. Bonnel	Richard Tweed	465	468
341E	36, 57	9/18/1845	Children of Hezekiah Bonnell	Richard Tweed	465	469
346	41	4/30/1847	Arthur H. and Elizabeth B. Lowerre	Darius Farrington	491	88
341E	38, 55	10/27/1848	Sherriff; James Tripp, et al., defendants	Jacob LaWall	504	390
341E	38, 55	10/27/1848	Jacob and Sarah A. Lawall	Richard Tweed	504	391
341E	38, 55	5/22/1849	Richard and Eliza Tweed	Thomas Brady	523	211
341E	52	4/17/1851	William A. and Lucinda Roberts	John A. Ten Eyck	567	497
346	55, 56	5/14/1851	Gabriel, David, and Sally-Matilda Purdy	Peter Miller	575	42
341W	22	12/22/1851	Thomas A. and Charlotte D. Goin	John W. Goin	592	105
346	41	4/24/18520	Darius and Mary Ann Farrington	Elias Randel	596	528
341W	14, 15	4/18/1853	John R. Livingston (Exrs of)	Samuel Shafer	609	633
341W	12, 13	4/18/1853	John R. Livingston (Exrs of)	Henry Goldstein	609	636
341W	15	1/6/1854	Samuel and Sophia Schafer	Jacob Walter	634	570
341W	14	1/6/1854	Samuel and Sophia Schafer	Christopher Mundorf	634	597
341W	12, 13	5/1/1854	Henry and Fredericke Goldstein	Ezekiel Heyman	667	107
341W	12, 13	1/10/1855	Ezekiel Heyman	Isidor Bernhard	678	93

Table A-1 (cont'd)

Historical Conveyances for Undisturbed Lots within the Project Site

341W	12, 13	4/13/1855	Isidor and Ema (sic) Bernhard	Ezekiel Heyman	684	267
346	46-54	8/30/1855	William Ogilvie	William H. Ogilvie	697	11
346	46-54	10/25/1856	William H. Ogilvie	Selig Steinhardt	713	574
346	46-54	10/25/1856	William Ogilvie	Selig Steinhardt	713	576
346	47, 48	11/8/1856	Selig and Pauline Steinhardt	Elias Randel	717	604
346	43-45	10/27/1856	William H. Ogilvie	Samuel Keimmelstiel	718	362
346	43-45	10/27/1856	William Ogilvie	Samuel Keimmelstiel	718	363
346	54, 55	5/22/1857	Peter Miller and Samuel Koffman	Party Wall Agreement	729	469
346	57	4/30/1857	Welcome V.R. and Lavinia Arnold	Aaron Collenberger	732	271
346	54	5/1/1857	Selig and Pauline Steinhardt	Samuel Koffman	738	167
346	41	10/22/1857	Darius and Mary Ann Farrington	Elias Randel	740	543
341E	36, 57	1/28/1860	Richard and Eliza Tweed	Charles T. Rodgers	806	120
346	48	5/2/1860	Elias and Mary Ann Randel	Philip Moses	809	416
Sources: Conveyance records and Liber books on file at the Manhattan office of the City Register, New York City Department of Finance.						

Appendix B:

**Summary of Tax Assessment Records
for Block 346 and Block 341, 1820-1840**

Appendix B:**Summary of Tax Assessment Ledgers, 1820-1840**

Table B-1

Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1820	Arundel Street	East	Broome and Grand	John R. Livingston	n/a	2075	Vacant Lot	500	346	38
1820	Arundel Street	East	Broome and Grand	John R. Livingston	n/a	2076	Vacant Lot	500	346	39
1820	Arundel Street	East	Broome and Grand	John R. Livingston	n/a	2077	Vacant Lot	500	346	40
1820	Arundel Street	East	Broome and Grand	John R. Livingston	n/a	2078	Vacant Lot	500	346	41
1820	Arundel Street	East	Broome and Grand	John R. Livingston	n/a	2079	Vacant Lot	600	346	42
1820	Arundel Street	East	Broome and Grand	Widow Michaels, owner; Samuel McIntyre, occupant	n/a	2074	2 Houses and Lot	500	346	37/68
1820	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2519	Vacant Lot	500	341W	Unknown
1820	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2518	Vacant Lot	400	341W	Unknown
1820	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2517	Vacant Lot	400	341W	Unknown
1820	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2516	Vacant Lot	400	341W	Unknown
1820	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2515	Vacant Lot	400	341W	Unknown
1820	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2514	Vacant Lot	500	341W	Unknown
1820	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	3896	Vacant Lot	400	346	Unknown
1820	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2090	Vacant Lot	400	346	Unknown
1820	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2089	Vacant Lot	400	346	Unknown
1820	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2088	Vacant Lot	400	346	Unknown
1820	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2087	Vacant Lot	400	346	Unknown
1820	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2086	Vacant Lot	500	346	Unknown
1820	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2080	Vacant Lot	500	346	Unknown
1820	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2081	Vacant Lot	500	346	Unknown
1820	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2082	Vacant Lot	500	346	Unknown
1820	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2083	Vacant Lot	500	346	Unknown
1820	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2084	Vacant Lot	500	346	Unknown
1820	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2085	Vacant Lot	500	346	Unknown
1820	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2520	Vacant Lot	500	341W	Unknown
1820	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2521	Vacant Lot	500	341W	Unknown
1820	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2522	Vacant Lot	500	341W	Unknown

Table B-1 (cont'd)

Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1820	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2523	Vacant Lot	500	341W	Unknown
1820	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2524	Vacant Lot	500	341W	Unknown
1820	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2525	Vacant Lot	500	341W	Unknown
1820	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2671	Vacant Lot	500	341E	Unknown
1820	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2672	Vacant Lot	500	341E	Unknown
1820	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2673	Vacant Lot	500	341E	Unknown
1820	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2674	Vacant Lot	500	341E	Unknown
1820	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2675	Vacant Lot	500	341E	Unknown
1820	Grand Street	North	Arundel and Attorney	John R. Livingston	n/a	n/a	Vacant Lot	500	346	Unknown
1820	Grand Street	North	Arundel and Attorney	John R. Livingston	n/a	n/a	Vacant Lot	500	346	Unknown
1820	Grand Street	North	Arundel and Attorney	John R. Livingston	n/a	n/a	Vacant Lot	500	346	Unknown
1820	Grand Street	North	Arundel and Attorney	John R. Livingston	n/a	n/a	Vacant Lot	500	346	Unknown
1820	Grand Street	North	Arundel and Attorney	John R. Livingston	n/a	n/a	Vacant Lot	500	346	Unknown
1820	Grand Street	North	Arundel and Attorney	Widow Michaels	n/a	n/a	Vacant Lot	500	346	Unknown
1820	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	500	341W	Unknown
1820	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	500	341W	Unknown
1820	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	500	341W	Unknown
1820	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Lot and House	1500	341W	Unknown
1820	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Lot and House	1500	341W	Unknown
1820	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	500	341W	Unknown
1820	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	500	341E	Unknown
1820	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	500	341E	Unknown
1820	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	500	341E	Unknown
1820	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	500	341E	Unknown
1820	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	500	341W	Unknown
1820	Pitt Street	West	Broome and Grand	John R. Livingston	n/a	2658?	Vacant Lot	600	341E	Unknown
1820	Pitt Street	West	Broome and Grand	John R. Livingston	n/a	2681	Vacant Lot	400	341E	Unknown
1820	Pitt Street	West	Broome and Grand	John R. Livingston	n/a	2680	Vacant Lot	400	341E	Unknown
1820	Pitt Street	West	Broome and Grand	John R. Livingston	n/a	2679	Vacant Lot	400	341E	Unknown
1820	Pitt Street	West	Broome and Grand	John R. Livingston	n/a	2678	Vacant Lot	400	341E	Unknown
1820	Pitt Street	West	Broome and Grand	John R. Livingston	n/a	2677	Vacant Lot	500	341E	Unknown
1820	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	2670	Vacant Lot	500	341E	Unknown
1820	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	2669	Vacant Lot	400	341E	Unknown
1820	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	2668	Vacant Lot	400	341E	Unknown
1820	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	2667	Vacant Lot	400	341E	Unknown
1820	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	2666	Vacant Lot	400	341E	Unknown
1820	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	2665	Vacant Lot	500	341E	Unknown
1820	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2507	Vacant Lot	500	341W	Unknown

Table B-1 (cont'd)
Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1820	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2530	Vacant Lot	400	341W	Unknown
1820	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2529	Vacant Lot	400	341W	Unknown
1820	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2528	Vacant Lot	400	341W	Unknown
1820	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2527	Vacant Lot	400	341W	Unknown
1820	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2526	Vacant Lot	500	341W	Unknown
1825	Arundel Street	East	Broome and Grand	John R. Livingston	n/a	2079	Vacant Lot	600	346	42
1825	Arundel Street	East	Broome and Grand	Mrs. Michaels, owner; W. Wright, occupant	n/a	n/a	Lot and House	2000	346	37/68
1825	Arundel Street	East	Broome and Grand	John R. Livingston	n/a	2077	Vacant Lot	500		40
1825	Arundel Street	East	Broome and Grand	John R. Livingston	n/a	2078	Vacant Lot	500		41
1825	Arundel Street	East	Broome and Grand	James Harrison, owner; John William and Joshua Nesbit, occupants	n/a	n/a	Lot and House	1900		38-39?
1825	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2519	Vacant Lot	800	341W	Unknown
1825	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2518	Vacant Lot	500	341W	Unknown
1825	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2517	Vacant Lot	500	341W	Unknown
1825	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2516	Vacant Lot	500	341W	Unknown
1825	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2515	Vacant Lot	500	341W	Unknown
1825	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	2514	Vacant Lot	1000	341W	Unknown
1825	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2090	Vacant Lot	500	346	Unknown
1825	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2089	Vacant Lot	500	346	Unknown
1825	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2088	Vacant Lot	500	346	Unknown
1825	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	2087	Vacant Lot	900	346	Unknown
1825	Attorney Street	West	Broome and Grand	Robert C _____	n/a	n/a	Lot, House, and Stable	2000	341W	Unknown
1825	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2080	Vacant Lot	600	346	Unknown
1825	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2081	Vacant Lot	600	346	Unknown
1825	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2082	Vacant Lot	600	346	Unknown
1825	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2083	Vacant Lot	600	346	Unknown
1825	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2084	Vacant Lot	600	346	Unknown
1825	Broome Street	South	Arundel and Attorney	John R. Livingston	n/a	2085	Vacant Lot	600	346	Unknown
1825	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2520	Vacant Lot	600	341W	Unknown
1825	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2521	Vacant Lot	600	341W	Unknown
1825	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2522	Vacant Lot	600	341W	Unknown
1825	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2523	Vacant Lot	600	341W	Unknown
1825	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2524	Vacant Lot	600	341W	Unknown
1825	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	2525	Vacant Lot	600	341W	Unknown
1825	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2671	Vacant Lot	600	341E	Unknown
1825	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2672	Vacant Lot	600	341E	Unknown
1825	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2673	Vacant Lot	600	341E	Unknown

Table B-1 (cont'd)

Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1825	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2674	Vacant Lot	600	341E	Unknown
1825	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2675	Vacant Lot	600	341E	Unknown
1825	Broome Street	South	Ridge and Pitt	John R. Livingston	n/a	2676	Vacant Lot	600	341E	Unknown
1825	Grand Street	North	Arundel and Attorney	Saml. L. Gouverneur	n/a	n/a	Vacant Lot	1000	346	Unknown
1825	Grand Street	North	Arundel and Attorney	Saml. L. Gouverneur	n/a	n/a	Vacant Lot	1000	346	Unknown
1825	Grand Street	North	Arundel and Attorney	Saml. L. Gouverneur	n/a	n/a	Vacant Lot	1000	346	Unknown
1825	Grand Street	North	Arundel and Attorney	Saml. L. Gouverneur	n/a	n/a	Lot and House	1800	346	Unknown
1825	Grand Street	North	Arundel and Attorney	Ann N. Lister, owner; W. Sanford and Capt. Lister, occupants	n/a	n/a	Lot and House	1800	346	Unknown
1825	Grand Street	North	Arundel and Attorney	Mrs. Michaels	n/a	n/a	Vacant Lot	1800	346	Unknown
1825	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	1000	341W	Unknown
1825	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	1000	341W	Unknown
1825	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	1000	341W	Unknown
1825	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Lot and House	1700	341W	Unknown
1825	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	Lot and House	1700	341W	Unknown
1825	Grand Street	North	Ridge and Pitt	Joshua Hatfield	n/a	n/a	Vacant Lot	1000	341E	Unknown
1825	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	1000	341E	Unknown
1825	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	1000	341E	Unknown
1825	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	1000	341E	Unknown
1825	Grand Street	North	Ridge and Pitt	John R. Livingston	n/a	n/a	Vacant Lot	1000	341E	Unknown
1825	Pitt Street	West	Broome and Grand	Joshua Hatfield	n/a	n/a	Lot and House	1000	341E	Unknown
1825	Pitt Street	West	Broome and Grand	Mrs. Armstrong	n/a	n/a	Lot and House	500	341E	Unknown
1825	Pitt Street	West	Broome and Grand	Josiah William	n/a	n/a	Lot and Shop	600	341E	Unknown
1825	Pitt Street	West	Broome and Grand	Josiah William	n/a	n/a	2 Lots and Factory	3000	341E	Unknown
1825	Pitt Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	700	341E	Unknown
1825	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	700	341E	Unknown
1825	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	500	341E	Unknown
1825	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	500	341E	Unknown
1825	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	500	341E	Unknown
1825	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	500	341E	Unknown
1825	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	1000	341E	Unknown
1825	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2507	Vacant Lot	1000	341W	Unknown
1825	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2530	Vacant Lot	500	341W	Unknown
1825	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2529	Vacant Lot	500	341W	Unknown
1825	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2528	Vacant Lot	500	341W	Unknown
1825	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2527	Vacant Lot	500	341W	Unknown
1825	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	2526	Vacant Lot	800	341W	Unknown

Table B-1 (cont'd)
Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1830	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	900	341W	7 to 11
1830	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	6
1830	Attorney Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	5
1830	Attorney Street	East	Broome and Grand	Hall + Howell	n/a	n/a	Lot and Shop	1200	341W	4
1830	Attorney Street	East	Broome and Grand	Hall + Howell	n/a	n/a	Lot and Shop	1200	341W	3
1830	Attorney Street	East	Broome and Grand	Cornelius Kind, owner; Thos Ball, occupant	n/a	n/a	Lot and House	3400	341W	1, 2, and 34
1830	Attorney Street	West	Broome and Grand	Robert M. Belkin, owner; William Lasher and George Clark, occupants	n/a	n/a	Lot and House	2600	341W	60
1830	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	59
1830	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	58
1830	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	57
1830	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	56
1830	Attorney Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	55
1830	Attorney Street	West	Broome and Grand	Edward Livingston, owner; R.W. Moore, occupant	n/a	n/a	Lot and House	2200	341W	53/54
1830	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	n/a	2 Vacant Lots	1400	341W	Unknown
1830	Broome Street	South	Clinton and Attorney	Edward Livingston, owner; Doctor Tucker, occupant	175 Broome	n/a	Lot and House	1700	346	45
1830	Broome Street	South	Clinton and Attorney	Edward Livingston	173 Broome	n/a	Lot and House	1700	346	46
1830	Broome Street	South	Clinton and Attorney	Edward Livingston, owner; Rosewell Wright, occupant	171 Broome	n/a	Lot and House	1700	346	47
1830	Broome Street	South	Clinton and Attorney	Edward Livingston, owner; Mr. Horton, occupant	169 Broome	n/a	Lot and House	1700	346	48
1830	Broome Street	South	Clinton and Attorney	Edward Livingston	167 Broome	n/a	Lot and House	1700	346	49
1830	Broome Street	South	Clinton and Attorney	Edward Livingston	165 Broome	n/a	Lot and House	1700	346	50
1830	Broome Street	South	Clinton and Attorney	Edward Livingston, owner; Henry D. Sale, occupant	163 Broome	n/a	Lot and House	1700	346	51
1830	Broome Street	South	Clinton and Attorney	Edward Livingston, owner; John R. Livingston, occupant	161 Broome	n/a	2 Vacant Lots	1600	346	52
1830	Broome Street	South	Ridge and Pitt	David Halsey	n/a	n/a	Vacant Lot	600	341E	Unknown
1830	Broome Street	South	Ridge and Pitt	David Halsey	n/a	n/a	Vacant Lot	600	341E	Unknown
1830	Broome Street	South	Ridge and Pitt	David Halsey	n/a	n/a	Vacant Lot	600	341E	Unknown

Table B-1 (cont'd)
Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1830	Broome Street	South	Ridge and Pitt	David Halsey	n/a	n/a	Vacant Lot	600	341E	Unknown
1830	Broome Street	South	Ridge and Pitt	David Halsey	n/a	n/a	Vacant Lot	600	341E	Unknown
1830	Broome Street	South	Ridge and Pitt	David Halsey	n/a	n/a	Vacant Lot	600	341E	Unknown
1830	Clinton Street	East	Broome and Grand	William Pinckney	124 Clinton	n/a	Lot and House	1800	346	38
1830	Clinton Street	East	Broome and Grand	Jas. Heron, owner; John Wilder, occupant	n/a	n/a	Lot and House	2400	346	39
1830	Clinton Street	East	Broome and Grand	William Brooks, owner; Jas. Carman, occupant	120 Clinton	n/a	Lot and House	2700	346	40
1830	Clinton Street	East	Broome and Grand	Smith + Atkinson	118 Clinton	n/a	Lot and House	3600	346	41
1830	Clinton Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	346	42
1830	Clinton Street	East	Broome and Grand	Widow Michaels, owner; Abraham Masters, occupant	n/a	n/a	Lot and House	2500	346	37/68
1830	Clinton Street	East	Broome and Grand	Edward Livingston, owner; Charles Patten, occupant	n/a	n/a	Lot and House	2200	346	43/44
1830	Grand Street	North	Attorney and Ridge	Cunnerly Westervelt	n/a	n/a	Lot and House	2500	341W	30
1830	Grand Street	North	Attorney and Ridge	Cunnerly Westervelt	400 Grand	n/a	Lot and House	3500	341W	31
1830	Grand Street	North	Attorney and Ridge	Cunnerly Westervelt	398 Grand	n/a	Lot and House	3500	341W	32
1830	Grand Street	North	Attorney and Ridge	Stephen Allen	n/a	n/a	2 Vacant Lots	2000	341W	26-27
1830	Grand Street	North	Attorney and Ridge	John R. Livingston	402 + 404 Grand	n/a	2 Lots and House	4000	341W	28-29
1830	Grand Street	North	Attorney and Ridge	John R. Livingston	n/a	n/a	2 Vacant Lots	2000	341W	33-34
1830	Grand Street	North	Clinton and Attorney	Robert Tillotson	392.2 Grand	n/a	Lot and House	3000	346	61
1830	Grand Street	North	Clinton and Attorney	Robert Tillotson	392 Grand	n/a	Lot and House	3000	346	62
1830	Grand Street	North	Clinton and Attorney	Robert Tillotson	390 Grand	n/a	Lot and House	3000	346	63
1830	Grand Street	North	Clinton and Attorney	Robert Tillotson, owner; Walter Burling, occupant	388 Grand	n/a	Lot and House	3000	346	64
1830	Grand Street	North	Clinton and Attorney	Robert Tillotson, owner; Mr. Taylor, occupant	386 Grand	n/a	Lot and House	2800	346	65
1830	Grand Street	North	Clinton and Attorney	John Lovett	384 Grand	n/a	Lot and House	2800	346	66
1830	Grand Street	North	Clinton and Attorney	Widow Michaels	n/a	n/a	Vacant Lot	1000	346	67
1830	Grand Street	North	Ridge and Pitt	James Heard	424 Grand	n/a	Lot and House	4500	341E	58
1830	Grand Street	North	Ridge and Pitt	Stephen Allen	422 Grand	n/a	Lot and House	3200	341E	59
1830	Grand Street	North	Ridge and Pitt	Stephen Allen	420 Grand	n/a	Lot and House	3200	341E	60
1830	Grand Street	North	Ridge and Pitt	Stephen Allen, owner; Judah Hammond, occupant	418 Grand	n/a	Lot and House	3200	341E	61
1830	Grand Street	North	Ridge and Pitt	Stephen Allen, owner; William Shirley, occupant	416 Grand	n/a	Lot and House	3200	341E	62
1830	Grand Street	North	Ridge and Pitt	Stephen Allen, owner; Charles A. Gardiner, occupant	414.5 Grand	n/a	Lot and House	3200	341E	63

Table B-1 (cont'd)
Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1830	Grand Street	North	Ridge and Pitt	Stephen Allen, owner; Mr. Farrell, occupant	414 Grand	n/a	Lot and House	3200	341E	64
1830	Grand Street	North	Ridge and Pitt	Stephen Allen, owner; Jeremiah Lounsberry, occupant	412.5 Grand	n/a	Lot and House	3200	341E	65
1830	Grand Street	North	Ridge and Pitt	John R. Livingston	412-410 Grand	n/a	2 Vacant Lots	2000	341E	66/67
1830	Pitt Street	West	Broome and Grand	Jas. Hazard	n/a	n/a	Lot and House	5500	341E	Unknown
1830	Pitt Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Part Vacant Lot	500	341E	Unknown
1830	Pitt Street	West	Broome and Grand	Thos Brady	n/a	n/a	Lot and House	900	341E	Unknown
1830	Pitt Street	West	Broome and Grand	Cornelius Lawton	n/a	n/a	Lot and House	1400	341E	Unknown
1830	Pitt Street	West	Broome and Grand	Henry Oldring	n/a	n/a	2 Lots and Houses	3300	341E	Unknown
1830	Pitt Street	West	Broome and Grand	David Halsey, owner; Mr. Wall, occupant	n/a	n/a	Lot and House	2400	341E	Unknown
1830	Pitt Street	West	Broome and Grand	David Halsey	n/a	n/a	Vacant Lot	800	341E	Unknown
1830	Pitt Street	West	Broome and Grand	David Halsey	n/a	n/a	Vacant Lot	800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	David Halsey	n/a	n/a	Vacant Lot	800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	David Halsey	n/a	n/a	Lot and House	1800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	David Halsey	n/a	n/a	Lot and House	1800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	Stephen Allen	n/a	n/a	Vacant Lot	800	341E	Unknown
1830	Ridge Street	East	Broome and Grand	Stephen Allen, owner; Fra. B. Wheeler, occupant	n/a	n/a	Lot and House	3300	341E	Unknown
1830	Ridge Street	West	Broome and Grand	Stephen Allen	n/a	n/a	Vacant Lot	1600	341W	Unknown
1830	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	800	341W	Unknown
1830	Ridge Street	West	Broome and Grand	John R. Livingston	n/a	n/a	Vacant Lot	900	341W	Unknown
1835	Attorney Street	East	Broome and Grand	Thos Hall	18 Attorney	258	Lot and Shop	500	341W	3
1835	Attorney Street	East	Broome and Grand	Thos Hall	20 Attorney	259	Lot and Shop	1500	341W	4
1835	Attorney Street	East	Broome and Grand	Jno R Livingston	n/a	260	Vacant Lot	1600	341W	5
1835	Attorney Street	East	Broome and Grand	Jno R Livingston	n/a	261	Vacant Lot	1600	341W	6
1835	Attorney Street	East	Broome and Grand	Richd Davis	n/a	262	Vacant Lot	800	341W	7
1835	Attorney Street	East	Broome and Grand	Richd Davis	n/a	263	Vacant Lot	800	341W	8
1835	Attorney Street	East	Broome and Grand	Richd Davis	n/a	264	Vacant Lot	800	341W	9
1835	Attorney Street	East	Broome and Grand	Richd Davis	n/a	265	Vacant Lot	800	341W	10

Table B-1 (cont'd)

Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1835	Attorney Street	East	Broome and Grand	Richd Davis	n/a	266	Vacant Lot	1000	341W	11
1835	Attorney Street	West	Broome and Grand	John H. Livingston	27 Attorney	239	Vacant Lot	1200	346	55
1835	Attorney Street	West	Broome and Grand	Smith & Atkinson	25 Attorney	240	Lot and Shop	1400	346	56
1835	Attorney Street	West	Broome and Grand	Jno N. Livingston	23 Attorney	241	Vacant Lot	1200	346	57
1835	Attorney Street	West	Broome and Grand	John Congers	21 Attorney	242	Lot and Shop	1800	346	58
1835	Attorney Street	West	Broome and Grand	John Congers	19 Attorney	243	Vacant Lot	1200	346	59
1835	Attorney Street	West	Broome and Grand	Robert Tillotson	17 Attorney	244	Lot and House	1500	346	60
1835	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	1085	Vacant Lot	1600	341W	Unknown
1835	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	1086	Vacant Lot	1600	341W	Unknown
1835	Broome Street	South	Attorney and Ridge	John R. Livingston	n/a	1087	Vacant Lot	1600	341W	Unknown
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	159 Broome	1084	Lot and House	2500	346	44
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	161 Broome	1083	Lot and House	2000	346	45
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	163 Broome	1082	Lot and House	2000	346	46
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	165 Broome	1081	Lot and House	2000	346	47
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	167 Broome	1080	Lot and House	2000	346	48
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	169 Broome	1079	Lot and House	2000	346	49
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	171 Broome	1078	Lot and House	2000	346	50
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	173 Broome	1077	Lot and House	2000	346	51
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	175 Broome	1076	Lot and House	2000	346	52
1835	Broome Street	South	Clinton and Attorney	William Ogilvie	Corner	1075	Lot and House	2500	346	53
1835	Broome Street	South	Ridge and Pitt	Edward Donnelly	n/a	1088	Lot and House	2500	341E	42
1835	Broome Street	South	Ridge and Pitt	David Halsey	141 Broome	1089	Lot and House	2000	341E	43
1835	Broome Street	South	Ridge and Pitt	David Halsey	139 Broome	1090	Lot and House	2000	341E	44
1835	Broome Street	South	Ridge and Pitt	David Halsey	137 Broome	1091	Lot and House	2000	341E	45
1835	Broome Street	South	Ridge and Pitt	David Halsey	135 Broome	1092	Lot and House	2000	341E	46
1835	Broome Street	South	Ridge and Pitt	David Halsey	133 Broome	1093	Lot and House	2000	341E	47
1835	Broome Street	South	Ridge and Pitt	David Halsey	131 Broome	1094	Lot and House	2000	341E	48
1835	Broome Street	South	Ridge and Pitt	David Halsey	129 Broome	1095	Lot and House	2000	341E	49
1835	Broome Street	South	Ridge and Pitt	David Halsey	127 Broome	1096	Lot and House	2000	341E	50
1835	Broome Street	South	Ridge and Pitt	Thomas Hallock, owner; C. Wines, occupant	125 Broome	1097	Lot, House, and Stable	2600	341E	51
1835	Clinton Street	East	Broome and Grand	Sarah Michaels	126 Clinton	194	Lot and House	2800	346	37
1835	Clinton Street	East	Broome and Grand	Wm. T. Pinckney	124 Clinton	195	Lot and House	2000	346	38
1835	Clinton Street	East	Broome and Grand	James Heron	122 Clinton	196	Lot and House	2600	346	39
1835	Clinton Street	East	Broome and Grand	Wm. C. Brooks	120 Clinton	197	Lot and House	2700	346	40
1835	Clinton Street	East	Broome and Grand	Samuel Smith, owner; S. Valentine, occupant	118 Clinton	198	Lot and House	3300	346	41
1835	Clinton Street	East	Broome and Grand	Elias Randall	116 Clinton	199	Lot and House	3200	346	42
1835	Grand Street	North	Attorney and Ridge	St. Mary Church	n/a	1033	n/a	n/a	341W	26

Table B-1 (cont'd)
Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1835	Grand Street	North	Attorney and Ridge	Henry Barclay, owner; Dr. Hopkins, occupant	406 Grand	1034	Lot and House	7000	341W	29
1835	Grand Street	North	Attorney and Ridge	Henry Barclay, owner; Thos. Whale, occupant	404 Grand	1035	Lot and House	7000	341W	30
1835	Grand Street	North	Attorney and Ridge	Cavinely S. Westervelt	402 Grand	1036	Lot and House	2300	341W	31
1835	Grand Street	North	Attorney and Ridge	Robert Cannily	400 Grand	1037	Lot and House	3600	341W	32
1835	Grand Street	North	Attorney and Ridge	Jacob A. Westervelt	398 Grand	1038	Lot and House	3600	341W	33
1835	Grand Street	North	Attorney and Ridge	Jno. Cook	n/a	1039	Lot and House	5500	341W	34
1835	Grand Street	North	Clinton and Attorney	Robert Tillotson, owner; S. Downing, occupant	394 Grand	1040	Lot and House	4000	346	60
1835	Grand Street	North	Clinton and Attorney	Robert Tillotson	392.5 Grand	1041	Lot and House	3800	346	61
1835	Grand Street	North	Clinton and Attorney	Robert Tillotson	392 Grand	1042	Lot and House	3800	346	62
1835	Grand Street	North	Clinton and Attorney	Robert Tillotson, owner; Edward B. Fellows, occupant	390 Grand	1043	Lot and House	3800	346	63
1835	Grand Street	North	Clinton and Attorney	Robert Tillotson, owner; F.J. and T. Morris, occupants	388 Grand	1044	Lot and House	3800	346	64
1835	Grand Street	North	Clinton and Attorney	Robert Tillotson	386 Grand	1045	Lot and House	3800	346	65
1835	Grand Street	North	Clinton and Attorney	Dr. Berry Bailey	384 Grand	1046	Lot and House	3500	346	66
1835	Grand Street	North	Clinton and Attorney	Est. John Michaels	382 Grand	1047	Vacant Lot	2500	346	67
1835	Grand Street	North	Clinton and Attorney	Est. John Michaels	380 Grand	1048	Lot and House	3800	346	68
1835	Grand Street	North	Pitt and Ridge	James Hunt, owner; Morris Shipley, occupant	426 Grand	1023	Lot and House	7000	341E	58
1835	Grand Street	North	Pitt and Ridge	James Howard, owner; Jno. Gilley and Amos Belden, occupants	424 Grand	1024	Lot and House	5500	341E	59
1835	Grand Street	North	Pitt and Ridge	Stephen Allen	422 Grand	1025	Lot and House	3800	341E	60
1835	Grand Street	North	Pitt and Ridge	Stephen Allen	420 Grand	1026	Lot and House	3800	341E	61
1835	Grand Street	North	Pitt and Ridge	Stephen Allen	418 Grand	1027	Lot and House	3800	341E	62
1835	Grand Street	North	Pitt and Ridge	Stephen Allen	416 Grand	1028	Lot and House	3800	341E	63
1835	Grand Street	North	Pitt and Ridge	Stephen Allen	414.5 Grand	1029	Lot and House	3800	341E	64
1835	Grand Street	North	Pitt and Ridge	Stephen Allen	414 Grand	1030	Lot and House	3800	341E	65
1835	Grand Street	North	Pitt and Ridge	Stephen Allen	412.5 Grand	1031	Lot and House	3800	341E	66
1835	Grand Street	North	Pitt and Ridge	Stephen Allen, owner; L. Shirley, occupant	412 Grand	1032	Lot and House	4500	341E	67
1835	Pitt Street	West	Broome and Grand	Nath'l Lyons	n/a	378	Lot and Stable	1000	341E	52
1835	Pitt Street	West	Broome and Grand	W. Havens	17 Pitt	379	Lot and House	2700	341E	53
1835	Pitt Street	West	Broome and Grand	Henry Oldring	15 Pitt	380	2 Lots and House	1400	341E	54
1835	Pitt Street	West	Broome and Grand	Henry Oldring	13 Pitt	381	2 Lots and House	1400	341E	55
1835	Pitt Street	West	Broome and Grand	Corn's Lawton	11 Pitt	382	Lot and House	1400	341E	56

Table B-1 (cont'd)

Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1835	Pitt Street	West	Broome and Grand	John Kent	7 Pitt	383	Lot and House	1000	341E	57
1835	Ridge Street	East	Broome and Grand	Stephen Allen	8 Ridge	325	Lot and House	3500	341E	36
1835	Ridge Street	East	Broome and Grand	Tweed & Bonnell	10 Ridge	326	Lot and Shop	2800	341E	37
1835	Ridge Street	East	Broome and Grand	John Crook	12 Ridge	327	Lot and House	3000	341E	38
1835	Ridge Street	East	Broome and Grand	Jacob Seawall	14 Ridge	328	Lot and House	1800	341E	39
1835	Ridge Street	East	Broome and Grand	Thos Pike	16 Ridge	329	Lot and House	1800	341E	40
1835	Ridge Street	East	Broome and Grand	Ms. Skidmore, owner; Andrew Mills, occupant	18 Ridge	330	Lot and House	2700	341E	41
1835	Ridge Street	East	Broome and Grand	Wm Gladson	20 Ridge	331	Lot and House	2700	341E	42
1835	Ridge Street	West	Broome and Grand	A.V. Stout, owner; James Camp, occupant	n/a	316	Lot and House	4000	341W	17
1835	Ridge Street	West	Broome and Grand	A.V. Stout	25 Ridge	317	Lot and House	3000	341W	18
1835	Ridge Street	West	Broome and Grand	Jas. Bern	23 Ridge	318	Lot and House	3000	341W	19
1835	Ridge Street	West	Broome and Grand	Anson Wittiz	21 Ridge	319	Lot and House	3000	341W	20
1835	Ridge Street	West	Broome and Grand	Moses G. Lane, owner; S.T. Roberts, occupant	19 Ridge	320	Lot and House	3000	341W	21
1835	Ridge Street	West	Broome and Grand	Reuben Smith	17 Ridge	321	Lot and 2 Houses	3500	341W	22
1835	Ridge Street	West	Broome and Grand	Wm. H. Clark	15 Ridge	322	Lot and 2 Houses	4000	341W	23
1835	Ridge Street	West	Broome and Grand	Hunt Trulip	13 Ridge	323	Lot and House	2000	341W	24
1835	Ridge Street	West	Broome and Grand	St. Mary's Church	n/a	324	Lot and House	2000	341W	25
1840	Attorney Street	East	Broome and Grand	Thomas Hall	18 Attorney	258	Lot and Shop	2300	341W	3
1840	Attorney Street	East	Broome and Grand	Thomas Hall	20 Attorney	259	Lot, House, and Stable	2400	341W	4
1840	Attorney Street	East	Broome and Grand	Matthias Ludlow, owner; Samuel S. Bernhard, occupant	24 Attorney	260	Lot and House	6800	341W	5
1840	Attorney Street	East	Broome and Grand	Matthias Ludlow, owner; Abraham Dennike and Joseph Hendry Bradly, occupants	26 Attorney	261	Lot and House	6800	341W	6
1840	Attorney Street	East	Broome and Grand	Richard Davis	28 Attorney	262	Lot and House	3300	341W	7
1840	Attorney Street	East	Broome and Grand	Richard Davis	30 Attorney	263	Lot and House	3300	341W	8
1840	Attorney Street	East	Broome and Grand	Richard Davis, owner; Hezekiah Weed, occupant	32 Attorney	264	Lot and House	3300	341W	9
1840	Attorney Street	East	Broome and Grand	Richard Davis, owner; Augustus Thomas, occupant	34 Attorney	265	Lot and House	3300	341W	10
1840	Attorney Street	East	Broome and Grand	A.D. Stout, owner; John Graydon, occupant	36 Attorney	266	Lot and House	3600	341W	11
1840	Attorney Street	West	Broome and Grand	Samuel Atkinson	27 Attorney	239	Vacant Lot	1300	346	55

Table B-1 (cont'd)
Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1840	Attorney Street	West	Broome and Grand	Samuel Atkinson, owner; George Harvey occupant	25 Attorney	240	Shop, House, and Lot	4400	346	56
1840	Attorney Street	West	Broome and Grand	Arnold Forestall, owner; William Amato and Alexander Forestall, occupants	23 Attorney	241	Lot and House	5500	346	57
1840	Attorney Street	West	Broome and Grand	John Conger	21 Attorney	242	Lot and Shop	2600	346	58
1840	Attorney Street	West	Broome and Grand	John Conger	19 Attorney	243	Lot and Shop	2000	346	59
1840	Attorney Street	West	Broome and Grand	Richard Hewitt	17 Attorney	244	Lot and House	1600	346	60
1840	Broome Street	South	Attorney and Ridge	John R. Livingston	147 Broome	1083	Vacant Lot	1700	341W	16
1840	Broome Street	South	Attorney and Ridge	John R. Livingston	149 Broome	1085	Vacant Lot	1700	341W	15
1840	Broome Street	South	Attorney and Ridge	John R. Livingston	145 Broome	1087	Vacant Lot	1700	341W	17
1840	Broome Street	South	Clinton and Attorney	Jeremiah Merritt	159 Broome	1084	Lot and House	3000	346	44
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	161 Broome	1083	Lot and House	2200	346	45
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	163 Broome	1082	Lot and House	2200	346	46
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	165 Broome	1081	Lot and House	2200	346	47
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	167 Broome	1080	Lot and House	2200	346	48
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	169 Broome	1079	Lot and House	2200	346	49
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	171 Broome	1078	Lot and House	2200	346	50
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	173 Broome	1077	Lot and House	2200	346	51
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	175 Broome	1076	Lot and House	2200	346	52
1840	Broome Street	South	Clinton and Attorney	William Ogilvie	177 Broome	1075	Lot and House	3000	346	53
1840	Broome Street	South	Ridge and Pitt	Ed. Donnelly	143 Broome	n/a	Lot and House	3600	341E	42
1840	Broome Street	South	Ridge and Pitt	John Colley	141 Broome	n/a	Lot and House	3000	341E	43
1840	Broome Street	South	Ridge and Pitt	Abraham R. Lawrence	139 Broome	n/a	Lot and House	3000	341E	44
1840	Broome Street	South	Ridge and Pitt	Mary Rodgers	137 Broome	n/a	Lot and House	3000	341E	45
1840	Broome Street	South	Ridge and Pitt	James Harkness	135 Broome	n/a	Lot and House	3000	341E	46
1840	Broome Street	South	Ridge and Pitt	David Halsey	133 Broome	n/a	Lot and House	3000	341E	47
1840	Broome Street	South	Ridge and Pitt	David Halsey	131 Broome	n/a	Lot and House	3000	341E	48
1840	Broome Street	South	Ridge and Pitt	David Halsey	129 Broome	n/a	Lot and House	3000	341E	49
1840	Broome Street	South	Ridge and Pitt	Aaron Luster	127 Broome	n/a	Lot and House	3000	341E	50
1840	Broome Street	South	Ridge and Pitt	Thomas Hallock	125 Broome	n/a	Lot and House	3900	341E	51
1840	Clinton Street	East	Broome and Grand	Hester Trusler	136 Clinton	192	Lot and House	3700	346	37
1840	Clinton Street	East	Broome and Grand	Hester Trusler	138 Clinton	191	Lot and House	3700	346	38
1840	Clinton Street	East	Broome and Grand	Widow Stephens, owner; Frederick J. Barns, occupant	140 Clinton	190	Lot and House	3000	346	39
1840	Clinton Street	East	Broome and Grand	Peter Bulia	142 Clinton	189	Lot and House	3100	346	40
1840	Clinton Street	East	Broome and Grand	Edward White, owner; Benjamin J. Walden, occupant	144 Clinton	188	Lot and House	3900	346	41

Table B-1 (cont'd)

Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1840	Clinton Street	East	Broome and Grand	Alonzo West, owner; William Smith, occupant	146 Clinton	187	Lot and House	3400	346	42
1840	Clinton Street	East	Broome and Grand	Coneford Rathburn	134 Clinton	193	Lot and House	2400	346	68
1840	Clinton Street	East	Broome and Grand	Widow Hall	148 Clinton	186	Lot and House	2000	346	43?
1840	Clinton Street	East	Broome and Grand	Widow Hall	152 Clinton	184	Lot and House	2000	346	44?
1840	Clinton Street	East	Broome and Grand	Widow Hall	150 Clinton	185	Lot and House	2000	346	44?
1840	Grand Street	North	Attorney and Ridge	Saint Mary Church	n/a	1033	n/a	n/a	341W	26
1840	Grand Street	North	Attorney and Ridge	Henry Barclay	406 Grand	1034	Lot and House	9500	341W	29
1840	Grand Street	North	Attorney and Ridge	Henry Barclay, owner, John Hount, occupant	404 Grand	1035	Lot and House	9500	341W	30
1840	Grand Street	North	Attorney and Ridge	Britton Brown	402 Grand	1036	Lot and House	3300	341W	31
1840	Grand Street	North	Attorney and Ridge	Robert Carney	400 Grand	1037	Lot and House	6400	341W	32
1840	Grand Street	North	Attorney and Ridge	Jacob E. Westerville	398 Grand	1038	Lot and House	6400	341W	33
1840	Grand Street	North	Attorney and Ridge	Jacob E. Westerville	396 Grand	1039	Lot and House	7000	341W	34
1840	Grand Street	North	Clinton and Attorney	Richard Merritt	394 Grand	1040	Lot and House	6000	346	60
1840	Grand Street	North	Clinton and Attorney	Jonathan Saitout	392.5 Grand	1041	Lot and House	5000	346	61
1840	Grand Street	North	Clinton and Attorney	Jonathan Saitout	392 Grand	1042	Lot and House	5000	346	62
1840	Grand Street	North	Clinton and Attorney	John Lewis	390 Grand	1043	Lot and House	5300	346	63
1840	Grand Street	North	Clinton and Attorney	John Lewis	388 Grand	1044	Lot and House	5300	346	64
1840	Grand Street	North	Clinton and Attorney	Daniel Cashman, owner; Charles E. Morgan, occupant	386 Grand	1045	Lot and House	5000	346	65
1840	Grand Street	North	Clinton and Attorney	Benjamin Bruley	384 Grand	1046	Lot and House	5100	346	66
1840	Grand Street	North	Clinton and Attorney	Stephen Hyatt	382 Grand	1047	Lot and House	5000	346	67
1840	Grand Street	North	Clinton and Attorney	Stephen Hyatt	378 Grand	1048	Lot and House	6000	346	68
1840	Grand Street	North	Ridge and Pitt	James Ward, owner, James Shipley, occupant	432 Grand	1023	Lot and House	9500	341E	58
1840	Grand Street	North	Ridge and Pitt	James Hissod, owner, W.F. Kelly, occupant	430 Grand	1024	Lot and House	8000	341E	59
1840	Grand Street	North	Ridge and Pitt	William Allen	428 Grand	1025	Lot and House	5500	341E	60
1840	Grand Street	North	Ridge and Pitt	William Allen	426 Grand	1026	Lot and House	5500	341E	61
1840	Grand Street	North	Ridge and Pitt	William Allen, owner, John Welford, occupant	424 Grand	1027	Lot and House	5500	341E	62
1840	Grand Street	North	Ridge and Pitt	Stephen Allen, owner, Harrison Ball and William C. Ball, occupants	422 Grand	1028	Lot and House	5500	341E	63
1840	Grand Street	North	Ridge and Pitt	Stephen Allen, owner, B.J. Crowell, occupant	420 Grand	1029	Lot and House	5100	341E	64
1840	Grand Street	North	Ridge and Pitt	Stephen Allen, owner, William J. Dunne, occupant	418 Grand	1030	Lot and House	5100	341E	65

Table B-1 (cont'd)
Summary of Tax Assessment Records for Block 346 and Block 341, 1820-1840

Year	Street	Side	Cross Streets	Owner/Occupant	Address	Lot #	Property Description	Real Estate Value (\$)	Historic Block	Historic Lot
1840	Grand Street	North	Ridge and Pitt	Stephen Allen	416 Grand	1031	Lot and House	5100	341E	66
1840	Grand Street	North	Ridge and Pitt	Stephen Allen, owner, Nicholas Spiers, occupant	414 Grand	1032	Lot and House	6300	341E	67
1840	Pitt Street	West	Broome and Grand	Nathaniel Lyon	19 Pitt	378	Lot and House	1600	341E	52
1840	Pitt Street	West	Broome and Grand	James H. Harris	17 Pitt	379	Lot and House	3200	341E	53
1840	Pitt Street	West	Broome and Grand	Henry H. Horning	15 Pitt	380	Lot and House	2400	341E	54
1840	Pitt Street	West	Broome and Grand	Henry H. Horning	13 Pitt	381	Lot and House	2400	341E	55
1840	Pitt Street	West	Broome and Grand	Cornelius Lawton	11 Pitt	382	Lot and House	2000	341E	56
1840	Pitt Street	West	Broome and Grand	Widow Hunt	9 Pitt	383	Lot and House	1600	341E	57
1840	Ridge Street	East	Broome and Grand	Tweed & Brommell	10 Ridge	326	Lot and Shop	4400	341E	36
1840	Ridge Street	East	Broome and Grand	William W. Niles	12 Ridge	327	Lot and House	5200	341E	37
1840	Ridge Street	East	Broome and Grand	Jacob Lardel	14 Ridge	328	Lot and House	2600	341E	38
1840	Ridge Street	East	Broome and Grand	Thomas Carter	16 Ridge	329	Lot and House	2400	341E	39
1840	Ridge Street	East	Broome and Grand	Benjamin S. Bier	18 Ridge	330	Lot and House	3300	341E	40
1840	Ridge Street	East	Broome and Grand	Thomas Quick	20 Ridge	331	Lot and House	3300	341E	41
1840	Ridge Street	East	Broome and Grand	Stephen Allen, owner; Samuel Hutchinson, occupant	8 Ridge	325	Lot and House	4000	341E	63-67
1840	Ridge Street	West	Broome and Grand	Henry B. Stout	n/a	316	Lot and House	4700	341W	17
1840	Ridge Street	West	Broome and Grand	H.R. Berry	25 Ridge	317	Lot and House	3000	341W	18
1840	Ridge Street	West	Broome and Grand	James Dolinson, owner; Thomas E. Brown and William Amato, occupants	23 Ridge	318	Lot and House	4000	341W	19
1840	Ridge Street	West	Broome and Grand	William Langshore	21 Ridge	319	Lot and House	3900	341W	20
1840	Ridge Street	West	Broome and Grand	Henry B. Stout, owner; W.W. Dilley, occupant	19 Ridge	320	Lot and House	4000	341W	21
1840	Ridge Street	West	Broome and Grand	Thomas Pain	17 Ridge	321	Lot and House	4400	341W	22
1840	Ridge Street	West	Broome and Grand	William A. Clark, owner; William Hurbeck, occupant	15 Ridge	322	Lot and House	5400	341W	23
1840	Ridge Street	West	Broome and Grand	James Odell	3 Ridge	323	Lot and House	2700	341W	24
1840	Ridge Street	West	Broome and Grand	Saint Mary's Church	n/a	324	n/a	n/a	341W	25
Notes: Handwritten ledgers do not always appear to be accurately updated from year to year and therefore contain many inconsistencies. Because the ledgers are handwritten, there may also be transcription inaccuracies in the above table. Sources: Tax assessment rolls on file at the New York City Municipal Archives.										

Appendix C:

Summary of Historical Directory Entries, 1820-1860

Appendix C:

Summary of Historical Directory Entries

Table C-1
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1831	Jones	Robert	mason	118 Clinton		346	41
1831	Smith	Samuel	carpenter	118 Clinton		346	41
1832	Smith	Samuel	carpenter	118 Clinton		346	41
1832	Valentine	Stephen	flour mer.	169 Cherry	118 Clinton	346	41
1833	Smith	Samuel	carpenter	118 Clinton		346	41
1834	Smith	Samuel	carpenter	118 Clinton		346	41
1838	Smith	Samuel	carpenter	118 Clinton		346	41
1839	Williams	Ann	widow of Richard	118 Clinton		346	41
1842	Lowerre	Arthur H.	accountant	16 Wall	118 Clinton	346	41
1842	Lowerre	William R.	collect. asst.	7 Hall Rec.	118 Clinton	346	41
1844	White	Thomas	butcher	118 Clinton		346	41
1845	Lowerre	Arthur H.	clerk	118 Clinton		346	41
1845	Lowerre	Sarah B.	widow of William R.	118 Clinton		346	41
1846	Webb	Charles	mer. & traders' bank	118 Clinton		346	41
1847	Bovay	Alvan E.	lawyer	118 Clinton		346	41
1849	Farrington	Darius	shipjoiner	33 Depeyster	148 Clinton	346	41
1853	Barker	Titus	pilot	21 Coenties Slip	148 Clinton	346	41
1853	Wing	Theodorus	carman	148 Clinton		346	41
1857	Cohn	William	carman		148 Clinton	346	41
1858	Cohn	William			148 Clinton	346	41
1859	Wright	John	clerk		148 Clinton	346	41
1834	Randel	Elias		116 Clinton		346	42
1836	Laing	Abm.	stonecutter	176 Henry	116 Clinton	346	42
1837	M'Donald	Alexander	stonecutter	116 Clinton		346	42
1838	Valentine & Co.	Stephen	flour mer.	169 Cherry	116 Clinton	346	42
1840	Valentine & Co.	Stephen	flour mer.	169 Cherry	116 Clinton	346	42
1841	Valentine	Charles	carter		116 Clinton	346	42
1842	Coles	David H.	flour mer.	207 Cherry	116 Clinton	346	42
1842	Valentine	Charles	carter		116 Clinton	346	42
1843	Valentine	Charles	carman		116 Clinton	346	42
1844	Valentine	Charles		116 Clinton		346	42
1846	Coles	Divine H.	carman		116 Clinton	346	42
1848	Randel	Elias		146 Clinton		346	42
1848	Rendell	Joseph	hatter	146 Clinton		346	42
1849	Brown	Stephen H.	mason	146 Clinton		346	42
1853	Bingham	Bridget	widow of Richard	146 Clinton		346	42
1853	Brown	Henry	clerk		146 Clinton	346	42
1853	Fromm	Earnest	tailor	r. 146 Clinton	r. 146 Clinton	346	42
1853	Nestrum	Carrdal	tailor	r. 146 Clinton	r. 146 Clinton	346	42
1853	Nusterumn	Charles	tailor		r. 146 Clinton	346	42
1853	Requa	Lewis B.	clerk	146 Clinton		346	42
1853	Sheil	Lawrence S.	carpenter	146 Clinton		346	42
1853	Wright	John	c.h.		146 Clinton	346	42
1854	Baker	Henry	tailor		r. 146 Clinton	346	42
1854	Elbert	Gustavus	smith		r. 146 Clinton	346	42
1854	Hulbert	William	blacksmith		r. 146 Clinton	346	42
1854	Randel	Elias		146 Clinton		346	42
1854	Requa	Lewis B.	clerk	146 Clinton		346	42
1855	Rieckenburg	Frederick	cabinetmaker	r. 37 Attorney	146 Clinton	346	42
1856	Bingham	Bridget	wid. Richard		r. 146 Clinton	346	42

Table C-1 (cont'd)
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1856	Dauer	John	tailor		r. 146 Clinton	346	42
1856	Klinge	John	baker		r. 146 Clinton	346	42
1856	Leavy	Edward	painter		r. 146 Clinton	346	42
1856	Ploth	Henry	capmaker		r. 146 Clinton	346	42
1856	Randel	Elias			146 Clinton	346	42
1856	Randel	Elias C.	14 N. William		146 Clinton	346	42
1857	Batzle	George	shoes		r. 146 Clinton	346	42
1857	Bingham	Bridget	wid. Richard		r. 146 Clinton	346	42
1857	Epp	John M.	scissors		r. 146 Clinton	346	42
1857	Fleming	Julia			r. 146 Clinton	346	42
1857	Gilmore	James	surveyor/paints	11 Wall/176 Orchard	146 Clinton	346	42
1858	Batzle	George	shoemkr		r. 146 Clinton	346	42
1858	Gilmore	James	Insp.		146 Clinton	346	42
1858	Gilmore	James	surveyor/paints	11 Wall/176 Orchard	146 Clinton	346	42
1858	Glee	Henry	tailor		r. 146 Clinton	346	42
1858	Halbert	William	smith		r. 146 Clinton	346	42
1858	Plath	Henry	capmaker		r. 146 Clinton	346	42
1858	Stewart	Joseph B.	segarmkr		r. 146 Clinton	346	42
1859	McAuliff	Bridget	seamstress		r. 146 Clinton	346	42
1860	Becker	Jacob	chairmkr		146 Clinton	346	42
1860	Harris	George	laborer		r. 146 Clinton	346	42
1860	Levy	Benjamin	capmkr		r. 146 Clinton	346	42
1860	Murphy	Dennis	tailor		r. 146 Clinton	346	42
1860	Scholefield	Jane	wid. John		146 Clinton	346	42
1860	Smith	Alphonso F.	printer		r. 146 Clinton	346	42
1860	Wolf	Solomon	tailor		146 Clinton	346	42
1827	Tilford	Robert	shoemaker	177 Broome c. Clinton		346	43
1828	Pierson	George S.	grocer	177 Broome		346	43
1831	Parsells	Edward	smith	238 Front	175 Broome	346	43
1833	Bruen	Gamaliel	baker	177 Broome		346	43
1834	Barrett	Elizabeth	widow of Andrew	175 Broome		346	43
1834	Cook	Robert	shoemaker	175 Broome		346	43
1834	Hope	Charlotte	dressmaker	175 Broome		346	43
1836	Cook	Robert	shoemaker	175 Broome		346	43
1840	Martin	John	baker	177 Broome c. Clinton		346	43
1841	Haviland	Elias	grates & fenders	175 Broome		346	43
1841	Martin	John	baker	177 Broome c. Clinton		346	43
1842	Martin	John	baker	175 Broome		346	43
1842	Martin	John	baker	177 Broome c. Clinton		346	43
1842	Prasuhn	William	grocer	177 Broome		346	43
1843	Hanson	John C.	pumps	South n. Gouv.	175 Broome	346	43
1844	Hanson	John C.	pumps	580 Water	175 Broome	346	43
1844	Martin	John	baker	175 Broome		346	43
1844	Peacock	Ann	widow of William	175 Broome		346	43
1847	Gitz	Francis J.	baker	175 Broome		346	43
1847	Hannan	John	shoemaker	175 Broome		346	43
1847	Murray	Catherine	widow of William	175 Broome		346	43
1849	Geis	Francis	baker	175 Broome	175 Broome	346	43
1853	Kimmelstiel	Samuel	baker	175 Broome		346	43
1854	Kimmelstiel	Samuel	baker	175 Broome		346	43
1856	Beuman	Andrew	carpenter	175 Broome		346	43
1857	Kimmelstiel	Samuel	baker	175 Broome	177 Broome	346	43
1859	Englander	Isaac	segarmaker		144 Clinton	346	43
1859	Hardeland	Theodore	gilder	144 Clinton	Allen	346	43
1860	Beauman	Bernard	butcher	144 Clinton		346	43
1860	Meyer	Henry	Saddle and harness maker	177 Broome		346	43

Table C-1 (cont'd)
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1860	Tigner	Wolf	segars		144 Clinton	346	43
1828	Owen	Horton	cartman	171 Broome		346	47
1830	Wright	Roswell	cordial distiller	171 Broome		346	47
1831	Strobey	Henry	tailor	171 Broome		346	47
1832	Terry	Samuel	laborer	171 Broome		346	47
1836	Humber	Henry	mason	171 Broome		346	47
1837	Ralph	Daniel	shoemaker	171 Broome		346	47
1840	Lawton	Robert	millwright	171 Broome		346	47
1842	Bruen	Joseph	baker	171 Broome	168 Broome	346	47
1842	Lullsfelder	Solomon	pedler	171 Broome		346	47
1843	Seeleck	Abraham		171 Broome		346	47
1845	Bruen	Joseph	baker	171 Broome	185 Broome	346	47
1846	Nordlinger	Solomon J.	drygoods	171 Broome		346	47
1849	Stern	Morris	baker	171 Broome		346	47
1850	Stern	Morris	baker	171 Broome		346	47
1853	Barlow	Abraham	baker, bread and cake	171 Broome		346	47
1853	Ryberg	Andrew	plumber	171 Broome	171 Broome	346	47
1855	Louis	Joseph			171 Broome	346	47
1856	Cannon	Wm. B.	carpenter	171 Broome	142 Grand	346	47
1860	Geiger	Leonhardt	millwright		171 Broome	346	47
1827	Thomas	Wiley C.	shoemaker	169 Broome		346	48
1828	Bunce	Charles W.	printer	169 Broome		346	48
1828	Collins	Anthony	mason	169 Broome		346	48
1830	Horton	James P.	carter	169 Broome		346	48
1834	Dacy	Catherine	widow	169 Broome		346	48
1834	Ritter	Casper	joiner	169 Broome		346	48
1836	Ritter	Casper	tin & c.	380 Grand	169 Broome	346	48
1837	Ritter	Casper	tin & c.	380 Grand	169 Broome	346	48
1842	Hunt	John	clerk	169 Broome		346	48
1842	Spohr	Adam	tinman	169 Broome		346	48
1842	Turpin	Henry	smith	169 Broome		346	48
1842	Turpin	Henry	blacksmith	169 Broome		346	48
1842	Woglom	Samuel L.	shipmaster	169 Broome		346	48
1844	Dingley	Catharine	widow of Thomas E.	169 Broome		346	48
1847	Rutherford	Allen	clerk	7 New	169 Broome	346	48
1848	Essig	John	weaver	169 Broome		346	48
1853	Becker	Henry	tailor		169 Broome	346	48
1854	Lowenthal	Charles	painter	169 Broome		346	48
1855	Tuchner	Rebecca	wid. David		169 Broome	346	48
1856	Hoeloff	Christopher	instruments		169 Broome	346	48
1856	Lowenthal	Charles	painter	169 Broome		346	48
1858	Lattermand	Charles F.	cabinetmaker	169 Broome	173 Broome	346	48
1858	Schneider	Philip	cabinetmaker	169 Broome		346	48
1860	Lowenthal	Charles	painter	169 Broome		346	48
1828	Bunce	J.S.		161 Broome		346	54
1828	Vanbrunt	Isaac	smith	161 Broome		346	54
1828	Wetherill	John	shoemaker	163 Broome		346	54
1831	Hendrickson	Peter	carpenter	161 Broome		346	54
1832	Bell	Richard	mason	161 Broome		346	54
1833	Lawrence	William	cabinetmaker	163 Broome		346	54
1833	Lester	Mary	teacher	161 Broome		346	54
1833	Smith	Daniel	shoemaker	161 Broome		346	54
1834	Little	Angelina	widow of William	161 Broome		346	54
1834	O'Connor	Jane	grocer	159 Broome		346	54
1834	Smith	Daniel	shoemaker	163 Broome		346	54
1835	Little	Angelina	widow of William	161 Broome		346	54
1836	Hoyle	John C.	tailor	159 Broome c. Attorney		346	54

Table C-1 (cont'd)
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1838	Barrett	Betsy	widow of Andrew	161 Broome		346	54
1842	Koskerton	Mary	nurse	163 Broome		346	54
1842	Meyer	Matthews	cabinetmaker	163 Broome		346	54
1844	Daul	Baldasar	turner	161 Broome		346	54
1845	Baird	Ann E.		163 Broome		346	54
1847	Craw	Jeremiah (col'd)	day'swork	161 Broome		346	54
1847	Porter	John C.	porterhouse	159 Broome		346	54
1849	Porter	John C.	porterhouse	159 Broome		346	54
1850	Fritz	August		163 Broome		346	54
1850	Kuher	John	combs	163 Broome		346	54
1850	Winter	Joseph	shoemaker	161 Broome		346	54
1851	Jacober	Caspar	tailor	163 Broome		346	54
1853	Fritz	Gottlieb A.	porterhouse	163 Broome	163 Broome	346	54
1853	Fritz	Ludwig	tailor		163 Broome	346	54
1853	Granherring	Wm.	tailor	161 Broome	161 Broome	346	54
1853	Grouerink	William	tailor	161 Broome		346	54
1853	Jacoleer	Caspar	tailor	163 Broome	163 Broome	346	54
1853	Lavendale	Charles	painter	161 Broome		346	54
1853	Reane	John	porterhouse	159 Broome	43 Att'y	346	54
1853	Weiderrig	Konrad	porterhouse	161 Broome		346	54
1854	Hoffman	Margaret	tailoress	161 Broome		346	54
1854	Jacober	C. Balthezar	tailor	163 Broome		346	54
1854	Peter	Frederick	tailor	163 Broome		346	54
1854	Winter	Francis J.	boots and shoes	161 Broome		346	54
1855	Vitman	David	machinist		161 Broome	346	54
1856	Winter	Francis J.	shoes	161 Broome		346	54
1857	Gemberg	Auguste	porter house	161 Broome		346	54
1860	Bonner	Joseph	tailor		161 Broome	346	54
1860	Killinsky	Harris D.	shoes		161 Broome	346	54
1846	Atkinson	Samuel	builder & carpenter	39 Attorney		346	55
1849	Atkinson	Samuel	builder	39 Attorney		346	55
1850	Atkinson	Samuel	builder	39 Attorney		346	55
1853	Weber	Peter	cabinetmaker	r. 39 Attorney		346	55
1855	Miller	Peter	mahogany	39 Attorney		346	55
1858	Schrenkeisen	John M.	cabinetmaker	39 Attorney	61 Suffolk	346	55
1859	Schrenkeisen	John M.	carver	39 Attorney	95 Norfolk	346	55
1860	Kolb	Martin J.	cabinetmaker	r. 39 Attorney	200 Broome	346	55
1860	Miller	Peter	mahogany	39 Attorney	37 Attorney	346	55
1838	Atkinson	Samuel	carpenter	25 Attorney	28 Attorney	346	56
1840	Minor	William J.	shipjoiner	124.5 Cannon	25 Attorney	346	56
1842	Haydock	James	carpet weaver	25 Attorney		346	56
1843	Atkinson	Samuel	carpenter	37 Attorney		346	56
1843	Witherell	Abigail	wid. of Timothy	37 Attorney		346	56
1844	Porter	Lorenzo L.	trunkmaker	r. 37 Attorney, 384 Grand, and 131 Maiden La		346	56
1844	Whittaker	Jonathan	carman	37 Attorney		346	56
1845	Porter	Lorenzo L.	trunkmaker	r. 37 Attorney, 384 Grand, and 131 Maiden La		346	56
1845	Tweed	Richard jr.	chairmkr	5 Cherry	37 Attorney	346	56
1845	Whittaker	Jonathan	carman	37 Attorney		346	56
1846	Burling	Jacob	weaver	r. 33 Attorney	37 Attorney	346	56
1847	Atkinson	Samuel	carpenter	39 Attorney	37 Attorney	346	56
1848	Comfort	Electus	pilot	70 Wall	37 Attorney	346	56
1850	Stitt	John	customhouse		37 Attorney	346	56
1850	Thompson	Jane	widow of Drake	37 Attorney		346	56

Table C-1 (cont'd)
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1854	Miller	Peter	mahogany	37 Attorney		346	56
1854	Weitz	Henry	cabinetmaker	r. 37 Attorney	99 Ridge	346	56
1856	Rieckenburg	Fred.	cabinetmaker	r. 37 Attorney		346	56
1856	Rieckenburg and Kuhlmann	F & H	cabinetmakers	r. 37 Attorney		346	56
1857	King	Ezra S.	clerk		37 Attorney	346	56
1840	Forrestall	Alexander	stonecut	270 Madison	23 Attorney	346	57
1841	Arnold	Welcome V.R.	stonec.	268 Madison	23 Attorney	346	57
1841	Forrestall	Alexander	stonecut	270 Madison	23 Attorney	346	57
1842	Roberts	Edward	lime	495 Water	23 & 35 Attorney	346	57
1843	Arnold	Van Ransselaer	stone cutter	35 Attorney		346	57
1843	Williams	Ann	widow of Richard	35 Attorney		346	57
1844	Arnold	Van Ransselaer	stone cutter	35 Attorney		346	57
1844	Peckwell	Francis H.	conger	35 Attorney		346	57
1845	Arnold	Van Ransselaer	stone cutter	35 Attorney		346	57
1848	Arnold	Welcome V.R.	stonecutter	302 Madison	35 Attorney	346	57
1849	Cassidy	Bernard M.	inspector	49 West	35 Attorney	346	57
1853	Arnold	Welcome V.R.	flagstones	foot 25th East River	35 Attorney	346	57
1856	Champlin	Solomon A.	stonecutter		35 Attorney	346	57
1856	Richards	Mary A.	wid. Richard H. sashboardmaker		35 Attorney	346	57
1860	Collenberger	Aaron	coals	344 Cherry, 60 E. 30th, & 69 Warren	35 Attorney	346	57
1847	Graham	Dewitt C.	carpenter	39 Attorney	37 Attorney	346	55 and 56
1848	Atkinson	Saml	carpenter	39 Attorney	37 Attorney	346	55 and 56
1859	Miller	Peter	mahogany	39 Attorney	37 Attorney	346	55 and 56
1831	Atkinson	Samuel	carpenter	24 Attorney	75 Bowery	341W	5
1832	Atkinson	Samuel	carpenter	24 Attorney	285 Division	341W	5
1839	Gantz	George W.	clerk	24 Attorney		341W	5
1841	Brainerd	Samuel S.	hardware	91 Maiden-lane	24 Attorney	341W	5
1841	Fulton	James	painter	24 Albany		341W	5
1841	Gage	Robert B.	29 Cedar	24 Attorney		341W	5
1843	Dresser	Charles	hair dresser	r. 32 Attorney		341W	5
1844	Tweed	Richard jr.	chairmkr	5 Cherry	32 Attorney	341W	5
1845	Serrenner	Ludwig	tailor	r. 32 Attorney		341W	5
1847	Lawrence	Peter	planing mill	31 and 32 Attorney	99 Clinton	341W	5
1847	Oakley	James M.	U.S. inspect		32 Attorney	341W	5
1848	Obertt	John	tailor	r. 32 Attorney		341W	5
1849	Britton	James	pilot	32 Attorney		341W	5
1850	Oakley	James M.	broker	32 Attorney		341W	5
1853	Conlin	Mary	widow of Peter	r. 32 Attorney		341W	5
1853	Dousch	Mary	widow of Peter	r. 32 Attorney		341W	5
1853	Fayard	Ann	widow of Francis	r. 32 Attorney		341W	5
1853	Hanan	James	shoemaker	r. 32 Attorney		341W	5
1853	Wood	Jane		32 Attorney		341W	5
1854	Halpin	James	baker	r. 32 Attorney		341W	5
1854	Pettit	George W.	teacher	32 Attorney		341W	5
1854	Tunnell	William	mariner	32 Attorney		341W	5
1855	May	David H.	jeweler		32 Attorney	341W	5
1840	Bradley & co	Joseph	chairmak.	317 Pearl	26 Attorney	341W	6
1840	Denike	Abraham	sparmaker	705 Water	26 Attorney	341W	6

Table C-1 (cont'd)
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1840	Headley	Goerge K.	pumps & c.	506 Water	26 Attorney	341W	6
1841	Bailey	Peter P.	drygoods	83 Pearl	26 Attorney	341W	6
1841	Bradley & co	Joseph	chairmaker	317 Pearl	26 Attorney	341W	6
1842	Cornwell	Henry R.	polisher	26 Attorney		341W	6
1843	Fayard	Jane	widow of Edward	r. 34 Attorney		341W	6
1844	Boehme	Frederick	turner	r. 34 Attorney		341W	6
1845	Bois	Andrew	millar	r. 34 Attorney		341W	6
1845	Cavenagh	Peter	tailor	rear 34 Attorney		341W	6
1845	Hardeland	Alphonso	shoemaker	r. 34 Attorney		341W	6
1845	Topping	Thomas	brewer	34 Attorney		341W	6
1846	Marks	Daniel	physician	r. 34 Attorney		341W	6
1848	Cavenagh	Peter	tailor	r. 34 Attorney		341W	6
1850	Shonaard	Peter	plaster	96 James	34 Attorney	341W	6
1851	Tanney	Mary	wid. Patrick	r. 34 Attorney		341W	6
1852	Shonaard	Peter	plaster	96 James	34 Attorney	341W	6
1852	Shonaard	Peter		96 James	34 Attorney	341W	6
1853	Hughes	Thomas	tailor	r. 34 Attorney		341W	6
1853	Marsh	John	coffeemill	r. 34 Attorney		341W	6
1854	Hughes	Thomas	tailor		r. 34 Attorney	341W	6
1854	March	John	engineer	r. 34 Attorney		341W	6
1854	Shonaard	Peter			34 Attorney	341W	6
1858	Speth	Henry	tailor		34 Attorney	341W	6
1858	Speyer	David			34 Attorney	341W	6
1859	Hughes	Thomas	tailor		r. 34 Attorney	341W	6
1856	Foster	Isaac	pedler	155 Broome		341W	12
1856	Struck	John	police	155 Broome		341W	12
1857	Clemens	Anthony	boot and shoe maker	155 Broome		341W	12
1857	Heyman	Ezekiel	dealer		155 Broome	341W	12
1858	Clemens	Anthony	shoes	155 Broome		341W	12
1859	Goodman	Alexander	cabinetmaker		155 Broome	341W	12
1859	Struck	Charles	police		155 Broome	341W	12
1830	Saunby	Edward	hatter	153 Broome		341W	13
1844	Alheit	Adem	baker	153 Broome		341W	13
1844	Mayer	Adam	tailor	153 Broome		341W	13
1846	Kirch	Michael	grocer	153 Broome		341W	13
1853	Hande	John	tailor		153 Broome	341W	13
1854	Gritzer	Christian	cabinetmaker	153 Broome		341W	13
1854	Herman	David H.	pedler	153 Broome		341W	13
1856	Blake	Thomas	laborer		153 Broome	341W	13
1857	Saner	Martin J.	porter house	153 Broome		341W	13
1860	Blake	Thomas			153 Broome	341W	13
1843	Silman	Solomon	pedler	151 Broome		341W	14
1845	Myer	Robert	carpenter	151 Broome		341W	14
1853	Halmester	Adam	porter house		151 Broome	341W	14
1853	Kirch	Michael	retail grocer	151 Broome		341W	14
1853	Struck	John	tailor	151 Broome		341W	14
1854	Struck	John	tailor	151 Broome		341W	14
1855	Kirch	Michael	grocer		151 Broome	341W	14
1856	Kirch	Michael	grocer	151 Broome		341W	14
1857	Kirch	Michael	grocer	151 Broome		341W	14
1857	Mundorff	Christopher	shoes	286 E. Broadways	151 Broome	341W	14
1857	Mundorff	Christopher	shoes		151 Broome	341W	14
1858	Kirch	Michael	grocer		151 Broome	341W	14
1859	Ebbert	Nicholas	shoemaker		151 Broome	341W	14
1821	Rigland	William	accountant	149 Broome		341W	15
1844	Ebersold	Philip J.	boot & shoemaker	149 Broome		341W	15
1844	Wenzel	Francis	chairs	149 Broome		341W	15

Table C-1 (cont'd)
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1845	Gelhn	Adam	cabinetmkr	r. 12 Columbia	149 Broome	341W	15
1845	Wirschinger	George	hats	149 Broome		341W	15
1846	Ebersold	Philip J.	bootmaker	149 Broome		341W	15
1846	Glenn	Adam	cabinetmaker	149 Broome		341W	15
1846	Linke	Charles	blacksmith	149 Broome		341W	15
1846	Lowden	James	tailor	150 John	149 Broome	341W	15
1849	Glahn	Adam	cabinetmaker	149 Broome		341W	15
1853	Beisenhertz	John	tailor		149 Broome	341W	15
1853	German	Frederick	cabinetmaker		149 Broome	341W	15
1853	Glihn	Adam	cabinetmaker	149 Broome		341W	15
1853	Huhn	August	chairmkr	149 Broome		341W	15
1854	Kopp	Anthony	barber	149 Broome	149 Broome	341W	15
1855	Kopp	Anton	barber		149 Broome	341W	15
1856	Baker	Conrad	tailor		149 Broome	341W	15
1856	Klan	Adam	cabinet	149 Broome		341W	15
1858	Glahn	Adam	cabinetmaker		149 Broome	341W	15
1859	Glahn	Adam G.	cabinetmaker		149 Broome	341W	15
1859	Kopp	A.	hair dresser	149 Broome		341W	15
1860	Degea	John	chairs		149 Broome	341W	15
1835	Smith	Samuel	carpenter	25 Attorney	118 Clinton	341W	16
1836	Smith	Samuel	carpenter	25 Attorney	118 Clinton	341W	16
1845	Lecount	John R. jr		147 Broome		341W	16
1847	Shaw	Leonard D.	captain	147 Broome		341W	16
1853	Leerbuerger	Simon	caps	7 Cedar	147 Broome	341W	16
1853	Schiff	Mayer	caps	7 Cedar	147 Broome	341W	16
1856	Harron	John	engineer		147 Broome	341W	16
1858	Cromer	Henrietta	wid. John, nurse		147 Broome	341W	16
1831	Berry	Philip	carpenter	23 Ridge		341W	19
1832	Berry	Philip	carpenter	23 Ridge		341W	19
1834	Vaneps	John P.	merchant	68 Pearl	23 Ridge	341W	19
1834	Walters	Samuel	carpenter	23 Ridge		341W	19
1836	Berry	James	carpenter	23 Ridge		341W	19
1837	Berry	James	carpenter	23 Ridge		341W	19
1837	Brown & Co.	James A.	lumber	Gouverneur	23 Ridge	341W	19
1841	Brown	James A.	carpenter	23 Ridge		341W	19
1843	Chapman	Sidney	mariner	23 Ridge		341W	19
1843	Dearborn	rootbeer	131 Clinton	23 Ridge		341W	19
1844	Moulton	Theodore	gutters	249 Cherry	23 Ridge	341W	19
1845	M'Donough	William	shipcarpenter	23 Ridge		341W	19
1845	M'Donough	William	shipcarpenter	23 Ridge		341W	19
1835	Myers	Ferdinand	moulder	21 Ridge		341W	20
1835	Savage	Joseph W.	broker	21 Ridge		341W	20
1837	Langshore	William	sawmill	5 Tompkins	21 Ridge	341W	20
1844	Martin	Patrick		21 Ridge		341W	20
1845	Martin	Patrick		21 Ridge		341W	20
1846	Martin	Patrick		21 Ridge		341W	20
1847	Martin	Patrick		21 Ridge		341W	20
1856	Martin	Charles	clerk	21 Ridge		341W	20
1857	Judson	Amos	carman		21 Ridge	341W	20
1858	Judson	Amos	carman		21 Ridge	341W	20
1859	Judson	Amos	carman		21 Ridge	341W	20
1835	Roberts	John E.	oil manuf.	200 Elm	19 Ridge	341W	21
1838	Williams	Samuel	printer	19 Ridge		341W	21
1842	Hobby	Nehemiah	tailor	19 Ridge		341W	21
1844	Hibbard	Rufus F.	agent for shakers	98 John	19 Ridge	341W	21
1844	Hibbard	Timothy R.	druggist	98 John	19 Ridge	341W	21
1844	Hibbard	Timothy R.	druggist	98 John	19 Ridge	341W	21

Table C-1 (cont'd)
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1845	Stout	Andrew V.	boots & shoes	234 Pearl	19 Ridge	341W	21
1846	Cornwell	Timothy	chairmaker	10 Ridge	19 Ridge	341W	21
1848	Smith	Josiah M.	machinist	28 Attorney	19 Ridge	341W	21
1853	Cornwell	Tim.	chairmaker	71 Bowery	19 Ridge	341W	21
1853	Logan	Edward	clerk		19 Ridge	341W	21
1856	Cornell	William H.	acct		19 Ridge	341W	21
1858	Goldey	Henry	shoes		19 Ridge	341W	21
1860	Carpenter	Edward H.	agent for shakers		19 Ridge	341W	21
1835	Hall	Thomas	lock manuf.	18 Attorney	17 Ridge	341W	22
1836	Smith	Reuben	mason	17 Ridge		341W	22
1837	Clark	Isaac	carter	17 Ridge		341W	22
1837	Goin	Thomas	notary	39 Burling-slip	17 Ridge	341W	22
1837	Losey	Amariah	carter	rear 17 Ridge		341W	22
1838	Lacey	William	carpenter	17 Ridge		341W	22
1839	Goin	Thomas	notary	39 Burling-slip	17 Ridge	341W	22
1839	Griffiths	Benjamin	tailor	17 Ridge		341W	22
1840	Goin	Thomas	notary	39 Burling-slip	17 Ridge	341W	22
1841	Goin	Thomas	notary	39 Burling-slip	17 Ridge	341W	22
1841	Jenkins	Harvey	carter	17 Ridge		341W	22
1844	Canaut	F.P.		17 Ridge		341W	22
1844	Grogan	James	wheelwright	17 Ridge		341W	22
1844	James	Robert	pedler	17 Ridge		341W	22
1844	Shieves	Charles	cabinetmaker	r. 17 Ridge		341W	22
1844	Ward	Margaret H.	widow of William G.	17 Ridge		341W	22
1845	Cisco	James B.	letter carrier	17 Ridge		341W	22
1845	Connant	Franklin P/	hats & caps	444 Grand	17 Ridge	341W	22
1845	James	Robert	pedler	r. 17 Ridge		341W	22
1845	Smith	Catherine	widow of Christopher	r. 17 Ridge		341W	22
1845	Ward	Margaret H.	widow of William G.	17 Ridge		341W	22
1846	Bartling	Charles	sailloft	157 South	17 Ridge	341W	22
1847	Barker	Daniel	coffee	347 Water	17 Ridge	341W	22
1847	Manning	Alpha	caps	145 Water	17 Ridge	341W	22
1847	Peyton	James	pedler	17 Ridge		341W	22
1848	Manning	Alpha	caps	145 Water	17 Ridge	341W	22
1848	Rosenbourgh	Daniel	jeweler	r. 17 Ridge		341W	22
1848	Walden	Frederick	sailmaker		r. 17 Ridge	341W	22
1849	Bremner	James P.	drygoods	434 Grand	17 Ridge	341W	22
1849	Peek	Andrew W.	carman	17 Ridge		341W	22
1853	Blake	Charles	painter		r. 17 Ridge	341W	22
1853	Bobber	Charles	drygoods	17 Ridge		341W	22
1853	McMahon	Barnet	carman		r. 17 Ridge	341W	22
1853	Smith	William	laborer		17 Ridge	341W	22
1854	Popper	Charles	glazier	3 Columbia	17 Ridge	341W	22
1856	Blake	Ann	wid. Charles, seamstress		r. 17 Ridge	341W	22
1856	Blake	Charles	painter		r. 17 Ridge	341W	22
1856	Leerburger	Simon	caps	9 Cedar	17 Ridge	341W	22
1856	Schiff	Meyer	fancy	53 Cedar	17 Ridge	341W	22
1858	Keenin	Jeremiah	laborer		17 Ridge	341W	22
1859	Cleary	Nicholas	tailor		17 Ridge	341W	22
1860	Berantzk	Seligman	locks		r. 17 Ridge	341W	22
1860	Cleary	Nicholas	tailor		17 Ridge	341W	22
1835	Clark	Rev. William A.		15 Ridge		341W	23
1836	Williams	Ann	widow of Richard	15 Ridge		341W	23
1837	Harbeck	John H.	staves	Jefferson c. South	15 Ridge	341W	23
1838	Harbeck	John H.	staves	525 Water	15 Ridge	341W	23

Table C-1 (cont'd)
Summary of Historical Directory Entries, 1820-1860

Year	Last Name	First Name	Occupation	Primary/Work Address	Home Address	Historical Block	Historical Lot
1838	Harbeck	William H.	staves	525 Water	15 Ridge	341W	23
1840	Mason	William	sexton	15 Ridge		341W	23
1840	M'Gregor	Samuel	trunkmaker	15 Ridge		341W	23
1841	Harbeck	William	staves	547 Water	15 Ridge	341W	23
1841	Harbeck & Co.	William H.	staves	547 Water	15 Ridge	341W	23
1841	Mason	William	sexton	15 Ridge		341W	23
1842	Harbeck	William	staves	547 Water	15 Ridge	341W	23
1842	Knight	John	gilder	rear 15 Ridge		341W	23
1842	Little	William	bootmaker	r. 15 Ridge		341W	23
1843	Hart	William	painter	r. 15 Ridge		341W	23
1844	Landriken	John	engineer	15 Ridge		341W	23
1845	Corey	Edwin F.	accountant	15 Ridge		341W	23
1846	Corey	Edwin F.	accountant	15 Ridge		341W	23
1847	Corey	Edwin F.	accountant	15 Ridge		341W	23
1848	Montgomery	Henry K.	grocer	1 Montgomery	15 Ridge	341W	23
1849	Corrigan	James	drygoods	404 Grand	r. 15 Ridge	341W	23
1850	Thomas	Edward	blacksmith	r. 15 Ridge		341W	23
1853	Byrne	William		r. 15 Ridge		341W	23
1853	Griffin	Patrick	baker		15 Ridge	341W	23
1853	Mandelbaum	Simon	clothing	23 Cedar	15 Ridge	341W	23
1853	Ryder	Dominick	cooper	15 Ridge	r. 15 Ridge	341W	23
1854	Loewenberg	Philip	pedlar	15 Ridge		341W	23
1854	Ryder	Dominick	cooper	15 Ridge	15 Ridge	341W	23
1854	Selig	Moses	drygoods	261 Pearl	15 Ridge	341W	23
1856	Selig	Moses			15 Ridge	341W	23
1856	Tyndall	John	pedler	r. 15 Ridge		341W	23
1858	Frank	Levi	clocks	55 John	15 Ridge	341W	23
1858	Frank	Levi	clocks	55 John	15 Ridge	341W	23
1858	May	Elias B.	pedlar		15 Ridge	341W	23
1858	Moser	Andrew	boxmaker		r. 15 Ridge	341W	23
1854	Rieckenburg and Ruhlmann	F	cabinetmakers	r. 37 & 39 Attorney			55 and 56
Sources: Directories accessed through the New York Directories Collection at www.fold3.com .							