

THE NEW YORK AFRICAN BURIAL GROUND:
Unearthing the African Presence in Colonial New York

Volume 2

The Archaeology of the New York African Burial Ground
Part 3: Appendices

Warren R. Perry, Jean Howson, and Barbara A. Bianco
Editors

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Burial 335 (Photography by Dennis Seckler)

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Foreword

In 1991, during the excavation phase for the construction of the Federal Building now seen at 290 Broadway, New York City, a cemetery was uncovered containing human remains of Africans—most were enslaved, some free—who lived, worked, and died under inhumane conditions in colonial New York. This discovery, the largest bioarchaeological site of its kind, sparked heightened public awareness of an African heritage in the northern states of colonial America. An outcome of this awareness was the public's desire for amending and correcting the history of colonial New York during that period to reflect more accurately the lives and culture of these forgotten Africans and people of African descent and their contributions and roles in economic development. Several initiatives, sponsored by the General Services Administration on behalf of the American people, were launched to accomplish this goal.

The initiative to conduct historical and scientific studies of the remains and artifacts excavated at the site was entrusted to Howard University. There, Dr. Michael L. Blakey, now at the College of William and Mary, designed and implemented a comprehensive, interdisciplinary research program—the New York African Burial Ground Project—to address questions in three main areas: history, archaeology, and skeletal biology. As scientific director of the project, he assembled an international team of scholars, professionals, graduate and undergraduate students, technical staff members, and cultural specialists for various parts of the study.

The New York African Burial Ground: Unearthing the African Presence in Colonial New York serves as the culminating work of this project, reporting the research findings. This multivolume series covers broadly a contextualized historical perspective, details of the archaeological discoveries, and descriptions of the skeletal biology of the unearthed human remains. Each volume documents and validates the lives of African Americans' ancestors who lived and worked in colonial New York. Included in this work are detailed descriptions of the burials excavated, complete with drawings, figures, and tables, as well as a comprehensive appendix of the artifacts found within the burials.

Through the years of this project, membership of the research team changed, but the goal of the project remained constant, that of ensuring that the story of the origins, life, and death of the enslaved Africans of colonial New York would not be absent from the annals of world history.

O. Jackson Cole, Ph.D.

Howard University Executive-in-Charge of the African Burial Ground Project

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Dean, Howard University College of Arts and Sciences

Acknowledgments

The Howard University Archaeology Team is grateful to the community members and the church, civic, and cultural organizations that paid close attention to the African Burial Ground Project over the years. Their support made this work possible, and their questions helped us to sharpen our inquiry.

We gratefully acknowledge Dr. O. Jackson Cole (Office of the President) and Dr. James A Donaldson (Dean, College of Arts and Sciences) for their efforts in the administration of the project. Also at Howard, Ms. Reba Brewington, Office Manager for the Cobb Laboratory, and Ms. Alma Kemp, Administrative Assistant in the Office of the Dean, College of Arts and Sciences, patiently fielded our questions, facilitated the sharing of information, and routed paperwork and files; Ms. Lori Sweet, Administrative Assistant, Office of the President, helped ensure that the transmission of the draft and final reports went smoothly.

We thank Contracting Officer Mildred Broughton and others on the New York staff of the U.S. General Services Administration for providing laboratory and office facilities, initially at the World Trade Center and later at 1 Bowling Green, and for their efforts in salvaging the laboratory after September 11, 2001. Nancy Brighton of the U.S. Army Corps of Engineers, on behalf of the Contracting Officer's Technical Representative, acted as liaison between the research team, GSA, and advisory agencies; oversaw the transfer of the collections for reburial; and provided helpful comments on the draft report. The staffs of the New York City Landmarks Preservation Commission and the Advisory Council on Historic Preservation provided consultation to the GSA and commented on the draft report.

The archaeology team owes an enormous debt to the African Burial Ground Project's Scientific Director, Dr. Michael L. Blakey. His knowledge, leadership,

generosity, encouragement, and resolve have been a mainstay over the years. We are profoundly grateful to all of the researchers from the Skeletal Biology Team (led by Blakey and Dr. Lesley M. Rankin-Hill) and the History Team (led by Dr. Edna Greene Medford), who helped shape our findings while sharing theirs as the project proceeded.

Dr. Blakey helped us to clarify and share the archaeological findings by organizing a series of multidisciplinary Sankofa Conferences, sponsored by Howard University and the College of William and Mary, that brought together the project's geographically dispersed research teams and other scholars of Africa and the African Diaspora. We wish to thank all of the participants, particularly Selwyn H. H. Carrington, Alan Goodman, Fatimah Jackson, Mark Mack, Edna Greene Medford, and Lesley Rankin-Hill. Kofi Agorsah, Augustin Holl, Bob Paynter, and Chris DeCorse helped formulate and refine archaeological issues. Chris Moore, Grey Gundaker, and T. J. Davis, among others, shared their insights on historical questions raised by the archaeological findings.

We thank the Institute for Historical Biology at the College of William and Mary for providing a second institutional home for the project. We especially appreciate Shannon Mahoney and Autumn Barrett for their research assistance, for answering our last-minute questions about the skeletal data, and for their superb efforts in facilitating the Sankofa Conferences.

Dr. Sherrill Wilson, Director of the New York African Burial Ground Project's Office of Public Education and Interpretation, shared her considerable knowledge of New York's African American history, helped broaden the research by pointing out important sources, opened her library to us, provided the roster on escapee advertisements, read early drafts of the report, and ensured that our findings

were brought to thousands of schoolchildren and the wider public.

Meta Janowitz shared her knowledge of Dutch New York and of the eighteenth-century stoneware that was so ubiquitous at the African Burial Ground site, discussed archaeological issues, read early drafts of several chapters, and generally provided good cheer in the New York laboratory.

The archaeological investigation was begun by the late Edward S. Rutsch of Historic Conservation and Interpretation, and we thank him for first proving that graves were still intact at the African Burial Ground and for assembling the field team. Obviously, without the field records, no analysis would have been possible. We thank Field Director Michael Parrington, Brian Ludwig, and the entire field staff, along with members of the Metropolitan Forensic Anthropology Team, for their efforts in conducting and recording the excavations under difficult conditions. Special thanks go to Margo Schur and the other site artists who carefully drew each burial and to Dennis Seckler for the photographs. Margo also assisted us by answering questions about field recording procedures. Initial laboratory processing of burial related artifacts was under the direction of Linda Stone and subsequently Gary McGowan of JMA. Charles Cheek was in charge of the analysis of the nonburial component of the 290 Broadway site, and we thank him for generously sharing early drafts of his site report and answering our questions as we proceeded with our analysis.

Numerous local libraries and archives yielded resources for our analysis. We thank the staffs of the following for helping us track down materials and answering our questions: the New York Public Library and the Schomburg Center for Research in Black Culture, the New York Historical Society, the New York State Archives, the Brooklyn Public Library, the New York Genealogical and Biographical Society, the Municipal Archives of the City of New York, the Trinity Church Archives, and the John Street Methodist Church.

Help with specific questions and analyses was received from a number of individuals. Mac Headley of Colonial Williamsburg shared his knowledge of colonial cabinetry and coffin making and pointed us to additional sources. Ed Howson answered questions about joinery. Emily Wilson of Colonial Williamsburg provided information on enameling. Douglas Ubelaker provided information and sources on the rates of decay of human remains. Ann F. Budd, Department of Geology, University of Iowa, provided identifications

of coral specimens from the African Burial Ground. John Boyd of the U.S. Customs Service Federal Crime Laboratory performed spectrograph analysis on the silver pendant. Michelle Gilbert guided us through the literature on adornment in Ghana. Fatimah Jackson, Kofi Agorsah, Muhammad Hatim, and Sylviane Diouf provided information about Islamic burial practices. Cheryl LaRoche answered questions about the conservation of artifacts from the burials. Jason Narvaez and Jennifer Arnett provided technical advice on report graphics.

Howard University provided technical staff for digitizing the site map. We thank Robert Bethea for overseeing the initial digitizing, and technicians Percival Taylor and Marques Roberts, who, along with Ruth Mathis and Iciar Lucena Narvaez, patiently refined, double-checked, and corrected the base mapping.

We thank Dean Susan Pease, Dean of the School of Arts and Science, and Michael Park, Chair of the Department of Anthropology, at Central Connecticut State University for providing release time for Warren Perry and for supporting his work on the project over many years. Janet Woodruff, of Central Connecticut State University's Archaeology Laboratory for African and African Diaspora Studies (ALAADS), has provided energy and advice as well as many hours of her own time. We thank Richard L. Porter of The RBA Group for understanding the importance of the project and making it possible for Jean Howson to contribute much of her time. Thanks also to RBA's Kathy Krumbine for help formatting front matter and appendices, and Ed Zeltmann, who prepared all of the site maps for the report.

This report has benefited greatly from the careful critiques of the members of the Advisory Review Board, Diana DiZerega Wall, Theresa Singleton, and Frank McManamon. We are grateful for their excellent suggestions. The interpretations and any errors or omissions, however, are our own.

Howard University gratefully acknowledges the efforts of the African Burial Ground Project directors, under the leadership of Dr. Michael L. Blakey, and the editors, authors, research team members, and research consultants for their contributions to the Archaeology Final Report. A tremendous debt of gratitude is owed to the three members of the Advisory Review Board, jointly appointed by the U.S. General Services Administration and Howard University, for the excellence and professionalism of the critiques they provided for the several iterations of this report.

Appendix A: Documents

APPENDIX A

DOCUMENTS

A.1. Memoranda of Agreement regarding the African Burial Ground

A.2. National Historic Landmark Nomination for the African Burial Ground

Note: There are two additional documents of importance for understanding the history of the African Burial Ground and its immediate vicinity. These are on file at the New York City Landmarks Preservation Commission:

Designation Report, New York City African Burial Ground and the Commons Historic District

African Burial Ground and the Commons Historic District Archaeological Sensitivity Study. Prepared by Hunter Research for New York City Department of General Services.

A.1. Memoranda of Agreement, 1989 and 1991

Advisory Council On Historic Preservation

The Old Post Office Building
1100 Pennsylvania Avenue, NW, #809
Washington, DC 20004

MEMORANDUM OF AGREEMENT

WHEREAS, the General Services Administration (GSA) has determined that the proposed Foley Square U.S. Courthouse and Federal/Municipal Building may have an effect upon properties on or eligible for the National Register of Historic Places, and has consulted with the New York State Historic Preservation Officer (SHPO) and the Advisory Council on Historic Preservation (Council) pursuant to the regulations (36 CFR Part 800) implementing Section 106 of the National Historic Preservation Act (16 U.S.C. § 470f);

NOW, THEREFORE, GSA, the New York SHPO, and the Council agree that the undertaking shall be implemented in accordance with the following stipulations in order to take into account the effect of the undertaking on historic properties.

Stipulations

GSA will ensure that the following measures are carried out.

I. ARCHAEOLOGY

Archaeological investigations will be conducted at the project area in accordance with a research design that establishes categories of historic and prehistoric significance. If archaeological materials are discovered at the site, such materials shall be evaluated in terms of their verification and information values, and treated in accordance with the Secretary of the Interior's Standards and Guidelines for Archaeological Documentation (48 FR 44734-37) and the Section 110 Guidelines. For the purposes of archaeological survey and data recovery, the project site includes all real property disturbed at the surface and subsurface levels.

II. HISTORIC PROPERTY

Access from the new Foley Square Courthouse to the existing historic Federal Courthouse Building will be made via a subgrade tunnel with entry into the historic property at the basement level. After GSA evaluates the historic building's basement, in

terms of historic fabric and the preservation of significant features, a determination will be made for the most appropriate subgrade entry. This subgrade entry will be designed in accordance with relevant sections of the "The Secretary of the Interior's Standards for Rehabilitation and Guidelines For Rehabilitating Historic Buildings."

III. REVIEW PROCEDURES

A. Archaeology

1. GSA will enter into a formal agreement with the National Park Service for the design and oversight of necessary archaeological investigations. This agreement will cover the development of a scope of work, archaeological oversight, review of findings, evaluation and dissemination of final reports.

2. GSA, in consultation with the New York SHPO, will develop a draft research design that is consistent with The Secretary of the Interior's Standards and Guidelines for Archeological Documentation (48 FR 44734-37) and the Council's publication, Treatment of Archeological Properties (1980).

3. Archaeological materials or features discovered at the project site will be evaluated by GSA and the New York SHPO in conformance with the research design and for the purposes of Section 106 compliance, and will be considered eligible for the National Register of Historic Places. GSA, in consultation with the New York SHPO, will consider such materials or features and based upon the research design determine appropriate levels of mitigation.

4. If GSA and the New York SHPO cannot agree on appropriate archaeological mitigation, documentation as specified by 36 CFR 800.8(d) will be forwarded by GSA to the Council. The Council shall provide its comments to GSA within 60 days of receipt of the documentation. GSA shall take the Council's comments into account before final mitigation decisions are made. GSA shall report the decision to the Council and, of possible, shall do so prior to applying treatments or mitigation measures.

5. If significant archaeological materials or features are discovered, they will be curated in accordance with the relevant sections of The Secretary of the Interior's Standards and Guidelines for Archeological Documentation (48 FR 44734-37), and the final report will be disseminated to the New York SHPO, the Council, and the New York City Landmarks Commission.

B. Historic Property

1. GSA will consult with the New York SHPO on the architectural treatment for the subgrade entry into the historic Federal Courts Building.

2. Based upon consultation with the New York SHPO, GSA will develop preliminary designs for the subgrade entry and submit such designs to the New York for review. The New York SHPO shall have 15 days in which to review and comment on the preliminary designs.

3. GSA will take the New York SHPO's comments into consideration and include them, as appropriate, into the final project design.

4. If GSA and the New York SHPO cannot agree on final design, documentation as specified by 36 CFR Part 800.8(d) will be forwarded to the Council. The Council shall provide its comments to GSA within 60 days of receipt of the documentation. GSA shall take the Council's comments into consideration before a final project decision is made. GSA shall report that decision to the Council and if possible, shall do so prior to initiating the undertaking.

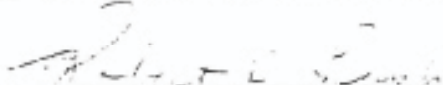
C. New Construction

1. GSA will ensure that the RFP for new construction contains information on the historic significance of the Federal Courthouse and that the architects consider such significance in their submittals.

2. The New York SHPO will be given an opportunity to comment on the final design submittals. GSA will consider their comments in reaching a final design decision on the building.

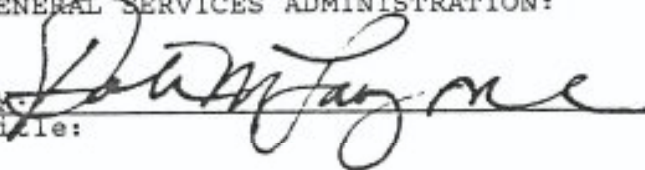
Execution of this Memorandum of Agreement and carrying out its terms evidences that the General Services Administration has afforded the Council an opportunity to comment on the project and its effects on historic properties, and that the General Services Administration has taken into account the effects of the project on historic properties.

ADVISORY COUNCIL ON HISTORIC PRESERVATION:

By: 
Executive Director

Date: _____

GENERAL SERVICES ADMINISTRATION:

By: 
Title: _____

Date: 3/15/89

NEW YORK HISTORIC PRESERVATION OFFICER:

By: _____
State Historic Preservation Officer

Date: _____



General Services Administration, Region 2
Jacob K. Javits Federal Building
New York, NY 10278

1991

AMENDMENT
TO THE MEMORANDUM OF AGREEMENT
EXECUTED MARCH 15, 1989
REGARDING THE FOLEY SQUARE U.S. COURTHOUSE
AND FEDERAL BUILDING PROJECTS

WHEREAS, the Memorandum of Agreement (MOA) was executed on March 15, 1989, between the General Services Administration (GSA) and the Advisory Council on Historic Preservation (Council) regarding the Foley Square U.S. Courthouse and Federal Building Projects (Projects) in New York City, New York; and

WHEREAS, the name of the office building has been changed from the Federal/Municipal Building to the Federal Building since the City of New York will no longer be a tenant; and,

WHEREAS, the New York State Historic Preservation Officer (SHPO) declined to sign the MOA; and,

WHEREAS, the MOA did not include a detailed mitigation for the Negro Burying Ground located on the Broadway Block, a property eligible for listing on the National Register of Historic Places; and,

WHEREAS, GSA and the Council have determined that Stipulations III(a) through III(c) of the MOA should be amended to mitigate adverse effects to the human remains and other archeological resources identified on sites of the Projects; and,

WHEREAS, the City of New York (City) and the New York City Landmarks Preservation Commission (LPC) participated in the consultation for this Amendment;

NOW, THEREFORE, it is mutually agreed that the following measures will be carried out.

Stipulations

GSA will ensure that the following measures are implemented:

I. ARCHEOLOGY

A. Research Design

1. Historical Conservation Inc. (HCI) will prepare a written research design documenting the testing, survey, and data recovery methods used to date and to be used to complete work on the Federal Building site and Courthouse site. The research design will be prepared in a manner consistent with the Secretary of the Interior's Standards and Guidelines for Archaeological Documentation (48 FR 44734-37) and the Council's Treatment of Archaeological Properties and subsequent amendments (Advisory Council on Historic Preservation, 1980).

It shall specify, at a minimum:

Overview

- a. an overview of those lots in which archeological testing has been completed and those lots which remain to be tested;
- b. a statement of why resources meet or do not meet the National Register of Historic Places Criteria of Eligibility.
- c. a description and status of the data recovery efforts for resources determined eligible for listing on the National Register;

Data Recovery

- d. a description of the research questions for both archeological resources and human remains that are being addressed through the data recovery, with an explanation of the relevance and importance
- e. a summary of the field methods used, with an explanation of their relevance to the research questions;

Analysis and Curation

- f. the methods to be used in analysis, data management, and dissemination of data, including a schedule;
- g. an explanation of the professional standards used by the archeological team assembled in implementing the field work, laboratory analysis, and data management for this project;

- h. the proposed disposition of human remains and recovered archeological materials and records.
- i. the proposed measures for involving interested parties in determining appropriate disposition of human remains and recovered materials, and an explanation of how their input will be considered in disseminating the results of the work to the public; and,
- j. the proposed plan, including a schedule by which consulting parties and interested parties will be kept informed of the work through quarterly reports.

2. GSA shall submit a copy of the above research design to the Council and LPC for review and comment by January 10, 1992. The Council and LPC shall provide GSA with their written comments by January 24, 1992. After review and comment on the research design by the Council and LPC, GSA shall ensure that the plan is implemented.

B. Broadway Block

1. Phase I (Human Remains)

a. The excavation of human remains currently underway within the plastic shelter area located on the Broadway Block will be completed by December 15, 1991. The current field methods employed by HCI will continue to be implemented to ensure that human remains are carefully excavated.

b. Should HCI determine that it is unable to complete the excavations by December 15, 1991, GSA shall ensure that the remaining burials are removed only after the remains are sufficiently stable to minimize damage and breakage. The remains shall not be removed until their locations are recorded in relation to the site datum and they are photographically documented. At a minimum, HCI will be provided five days to complete this phase.

2. Phase II (Historical Archeology and Human Remains)

a. The testing and data recovery for Lots 20, 20 1/2, and 21 and Republican Alley (Phase II site) will be allowed to proceed as soon as the building at 22 Reade Street is stabilized and the site has been appropriately graded. HCI will be allowed to monitor the grading operation to ensure that no historic resources are damaged. GSA shall coordinate the clearance of the site in manner which allows maximum exposure of the areas to be tested at the earliest possible date.

b. To the extent feasible, given health and safety concerns, HCI will be allowed to have continued access to the Phase II site after December 15, 1991, so as to avoid delays in executing the testing and data recovery plan.

c. Following clearance of the site, HCI will implement Phase II in accordance with the approved research design specified in Stipulation I(A). The same field methods used in the Phase I excavations will be employed during Phase II on human remains located in this area.

c. Courthouse Block

1. The Council and LPC will be provided with a description of the field work completed to date on the Courthouse Block. HCI shall prepare a scope of work for the completion of the testing and data recovery of lots 7, 8, 9, and other significant areas. All work will be carried out in a manner consistent with the Secretary of Interior's Standards and Guidelines for Archeological Documentation (48 FR 44734-37) and the Council's Treatment of Archeological Properties (1980).

2. Should HCI determine that it cannot complete the testing and data recovery on the Courthouse site by December 31, 1991, GSA shall notify the Council and LPC, and provide HCI with a maximum of seven additional calendar days to conclude the field work.

D. Funding for Archeology

1. GSA will provide the Council and LPC with a summary of expenditures incurred to date for archeological survey, testing, and data recovery by January 10, 1992.

2. GSA shall make available an amount not to exceed one percent of the estimated construction cost (ECC) of each building to implement data recovery and mitigation associated with the Foley Square Courthouse and Federal Building projects.

3. In the event that GSA legally delegates the responsibility for the long-term curation of the collections to a third party, GSA will notify the Council and LPC accordingly. GSA will provide the Council with the name of the third party, their proposal for curation and disposition of the collections, and the funding which will be allocated to implement the proposal. The Council and LPC will be provided thirty days to review and comment on the language of the waiver request and the alternative curation proposal.

E. Analysis and Reporting

1. GSA, in consultation with the Council, LPC, and Interested Parties, as identified in Stipulation I(F)(1), shall determine the appropriate level of analysis of the human remains. The proposed analyses shall be responsive to the approved research design specified in Stipulation I(A).
2. GSA, in consultation with the Council and LPC, shall determine the appropriate level of analysis of archeological materials and data. The proposed analysis shall be responsive to the approved research design specified in Stipulation I (A).
3. GSA shall ensure that all final archeological reports resulting from the Projects will be provided to the Council, the LPC, the New York SHPO, the New York City University and Public library Systems, the National Park Service, and Interested Parties that participated in the consultation, and to the National Technical Information Service (NTIS). GSA shall ensure that all such reports are responsive to contemporary standards, and to the Department of the Interior's Format Standards for Final Reports of Data Recovery Programs (42 FR 5377-79).

F. Public Involvement

1. GSA, in consultation with the City and LPC, shall identify groups/organizations/institutions with an appropriate and direct interest or relationship in the human remains (Interested Parties), to review GSA's proposed plan(s) for the analysis and reburial of the excavated human remains and associated grave goods prepared pursuant to Stipulation I.A. above. GSA's plan(s) shall be presented to these groups/organizations/institutions for review and comment thirty days prior to GSA making a final decision on the plan(s). GSA shall provide the Council, the City, and the LPC with a summary of all comments received, and an explanation of how GSA has taken the comments into account in finalizing its proposed plan(s).
2. GSA shall provide an opportunity for local professional organizations and preservation groups to review and comment on the proposals for the analysis, curation, and disposition of the excavated human remains and associated grave artifacts from the Broadway Block. Measures taken to solicit the views of these groups will be developed in coordination with LPC.
3. GSA, in consultation with Interested Parties and the City, will ensure the respectful and dignified treatment of all human remains recovered from the Broadway Block.

G. Reburial, Curation, and Disposition

1. Following completion of the analysis specified in Stipulation I(F) (1), and human remains and grave-associated artifacts excavated during the data recovery on the Broadway Block will be reburied at a location to be determined in consultation with the City and interested parties.

2. GSA will survey appropriate institutions in New York City to determine whether any of them meet the Department of the Interior's requirements of "Curation of Federally-Owned and Administered Archeological Collections" (36 CFR Part 79). GSA will consult with the Council and LPC to determine the appropriateness of seeking a waiver from the Department of the Interior for these requirements should a acceptable New York City institution not be identified.

H. Site Interpretation

A. GSA, in consultation with the City and LPC, shall determine an appropriate on-site memorial to recognize and commemorate the presence of the "Negro Burying Ground" at the Broadway Block.

B. GSA, in consultation with the City and LPC shall develop an exhibit on the testing, excavation, and analysis to be located with in public space within the new Federal Building. The exhibit will be developed with appropriate care to ensure that interpretive materials are sensitive to the nature of the burial ground and the remains. If it is determined that the exhibit cannot be housed in the Federal Building, GSA will submit a list of alternate locations to the Council, the City, and LPC for review and comment.

C. GSA shall hire a producer to prepare a professional documentary video of the excavation of the human remains and associated artifacts and their analysis. The video shall be used for research purposes and public outreach and education to demonstrate GSA's efforts in conducting archeological research and data recovery related to construction of new Federal building.

II. Design of New Construction

A. The 65% complete plans and specifications for the Federal Building will be submitted to the Council and LPC for review and comment. The written comments of the Council and LPC will be provided to GSA within three weeks of their receipt.

B. The 65% complete plans and specifications for the Courthouse will be submitted to the Council and LPC for review and comment. The written comments of the Council and

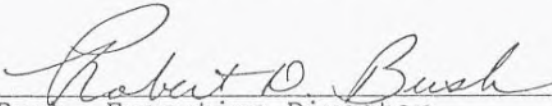
LPC will be provided to GSA within three weeks of their receipt.

C. Stipulation III B of the original M.O.A. will be deleted, as GSA no longer proposes a tunnel connection between the new and existing Courthouses.

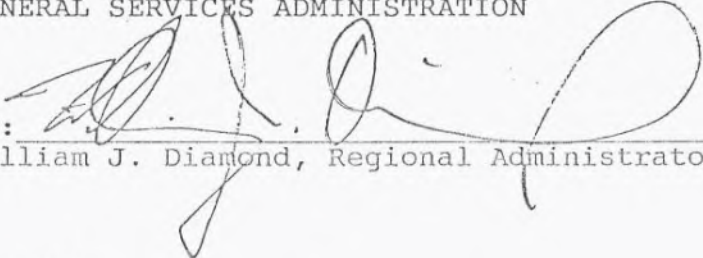
III. Monitoring

GSA shall provide the Council and LPC with quarterly reports summarizing actions taken to comply with the terms of this amendment. The first report will be due by March 30, 1992. Subsequent reports will be submitted each June, September, and December until all of the provisions in the amendment are successfully completed. Upon written request from the Council or LPC, GSA will make arrangements for both or either party to visit the site or to review GSA's implementation of the terms of this agreement.

ADVISORY COUNCIL ON HISTORIC PRESERVATION

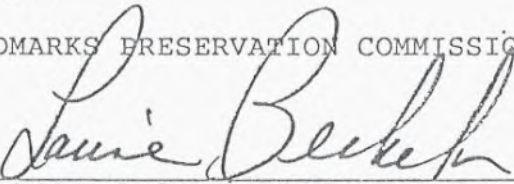
By:  Date: 12/20/91
Robert D. Bush, Executive Director

GENERAL SERVICES ADMINISTRATION

By:  Date: 12/19/91
William J. Diamond, Regional Administrator

Concur:

LANDMARKS PRESERVATION COMMISSION

By:  Date: 12/23/91
Laurie Beckelman, Chair

A.2. National Historic Landmark Nomination for the African Burial Ground

African Burying Ground

United States Department of the Interior, National Park Service

National Register of Historic Places Registration Form

1. NAME OF PROPERTY

Historic Name: African Burying Ground

Other Name/Site Number: Negro Burying Place and Negros Burying Ground; Site No. ___ (pending assignment by New York State Office of Parks, Recreation, and Historic Preservation)

2. LOCATION

Street & Number: Vicinity of Broadway and Reade Street Not for publication:

City/Town: New York Vicinity: N/A

State: NY County: New York Code: 061 Zip Code: 10007

3. CLASSIFICATION

Ownership of Property

Private: X
Public-local: X
Public-State:
Public-Federal: X

Category of Property

Building(s):
District:
Site: X
Structure:
Object:

Number of Resources within Property
Contributing

1

1

Noncontributing

6 buildings
 sites
 structures
 objects
6 Total

Number of Contributing Resources Previously Listed in the National Register: N/A

Name of related multiple property listing: N/A

NPS Form 10-900

USDI/NPS NRHP Registration Form (Rev. 8-86)

OMB No. 1024-0018

African Burying Ground

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United States Department of the Interior, National Park Service

National Register of Historic Places Registration Form

4. STATE/FEDERAL AGENCY CERTIFICATION

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this ___ nomination ___ request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property ___ meets ___ does not meet the National Register Criteria.

Signature of Certifying Official Date

State or Federal Agency and Bureau

In my opinion, the property ___ meets ___ does not meet the National Register criteria.

Signature of Commenting or Other Official Date

State or Federal Agency and Bureau

5. NATIONAL PARK SERVICE CERTIFICATION

I, hereby certify that this property is:

- ___ Entered in the National Register _____
- ___ Determined eligible for the _____
National Register
- ___ Determined not eligible for the _____
National Register
- ___ Removed from the National Register _____
- ___ Other (explain): _____

Signature of Keeper Date of Action

6. FUNCTION OR USE

Historic: Funerary

Sub: cemetery

Current: Government
Commerce

Sub: government office
business

7. DESCRIPTION

Architectural Classification:

Materials:
Foundation: _____
Walls: _____
Roof: _____
Other Description: _____

African Burying Ground

Page 4

United States Department of the Interior, National Park Service

National Register of Historic Places Registration Form

Describe Present and Historic Physical Appearance.Site location and physical description

Throughout the eighteenth century, New York's free and enslaved Africans buried their dead in a parcel of land which now is part of the city's civic center area. The African Burying Ground site is located on block numbers 153, 154 and 155 in the Borough of Manhattan, New York City (Figures 1 and 3). The site is bounded by Duane Street on the north, Chambers Street on the south, Centre Street and Lafayette Street on the east, and Broadway on the west (Figure 2). Reade and Elk Streets and Manhattan and Republican Alleys traverse the site. The total area is approximately seven acres. The site is currently characterized by a nineteenth- and twentieth-century built environment including buildings, a construction site, parking areas, and city streets (Figures 4 through 7), under which a large portion of the African Burying Ground is preserved. Archaeological excavations have been conducted on a portion of Block 154, in advance of a major federal construction project. These excavations revealed the presence of the Burying Ground over a large part of the project area (Figure 17). The site's preservation in this area was due to sixteen to twenty-five feet of fill which has protected the original ground surface and an intact strata of burials. The basements of buildings subsequently erected on the site penetrated only the fill, except on the lots on Broadway where the original ground surface was higher.

The current topography of the site is the result of extensive grading and filling, much of which took place in the late eighteenth and early nineteenth centuries.¹ Current elevations (Figure 15) barely suggest the original landforms (Figure 14). The major feature of the original topography in the immediate area was a ravine leading east-northeast from Broadway toward the "Collect Pond" or "Fresh Water," a deep, spring-fed pond formed by a geologic rift which cuts across Manhattan Island (see historic maps, Figures 8 through 11). The ravine and pond were filled in during the final years of the eighteenth and the first decade of the nineteenth century. Most of the fill came from the concurrent leveling of nearby hills and the high ground along Broadway. Today, the only traces of these natural features are a slight descent in elevation to the north of Chambers Street and chronic flooding problems in building basements on the site of the old pond.

During 1991 and 1992 archaeological excavations at Block 154 of the African Burying Ground site exposed fill to depths of sixteen to twenty-five feet beneath Republican Alley and the surrounding city lots. The foundations and basements of the late nineteenth-century structures which stood on the lots until the late 1970s had been dug through this fill, and in some cases did not reach the level containing graves. The original ground surface appeared to be intact in only a small section of the fully excavated portion of the site, at the western corner of Republican Alley. This old surface was encountered at an elevation of approximately nine feet above mean sea level, sixteen feet below grade. In the eastern portion of the excavation, the ground surface was not preserved. Grave pits are intact, however, and it is believed that the later construction has disturbed only the upper two feet of the original ground.

As shown in Figure 17, burials were densely distributed. Very few multiple burials were found, and the exceptions involved women interred with infants. The rest of the graves contained single individuals. The Burying Ground was used intensively, however, resulting in superimposed burials and, in some cases, disturbances of earlier graves by later interments. Over 400 burials

¹See the record of street gradings in the area in New York City, *Minutes of the Common Council, 1784-1831* [MCC, 1784-1831] (New York: Dodd, Mead, 1917), 2:327-328.

were fully excavated by professional archaeologists. Because the archaeological fieldwork was halted prior to complete excavation of the proposed construction site on Block 154, large areas of the eastern portion of the block are known to contain unexcavated burials. These are indicated by shading on the site plan (Figure 17). Based on the density of burials in fully recovered areas, it is reasonable to project the presence of two to three hundred additional burials in unexcavated and partially-excavated areas of Block 154 shown on site plans (Figures 16 and 17). Historically, the Burying Ground extended over what is now several city blocks. Because of the great depth of fill and excellent preservation conditions recorded during archaeological testing of Block 154, the African Burying Ground is thought to be preserved well beyond the bounds of this block.

History of the Burying Ground

The area of the African Burying Ground was known and used as part of New York's "common" land (Figure 9) until the late eighteenth century, despite its having been granted to Sarah Roeloff's husband Cornelius Van Borsum in 1673.² The Van Borsum patent comprised approximately 6.6 English acres at the northern limits of the colonial town, extending eastward from the line of Broadway. Its exact boundaries were the subject of legal dispute in the eighteenth century, and the eastern boundary is difficult to reconstruct.³ It is clear, however, that the patent (Figure 12) covered most of the area within the proposed National Historic Landmark boundaries of the African Burying Ground as defined herein (Figure 2).

Reconstruction of the historical topography is important in understanding the physical and social context of the Burying Ground. A useful source is the Viele map of 1859 (Figure 11), which provides an overlay of the street grid on the original land formation. According to this map, the ground sloped down to the Collect Pond north of present-day Chambers Street and east of Broadway. The drop-off has been confirmed through study of geologic test borings conducted in the area, which also provide information on the elevations of the old surface (see below). Both the borings and the archaeological excavations at the Burying Ground site establish that the ravine was quite deep, at least twenty-five feet below present grade at its bottom. Africans thus appropriated a burial place then remote from the colonial town by virtue of its location in a low-

²For a short history of this site see I.N. Phelps Stokes, *The Iconography of Manhattan Island, 1498-1909*, 6 vols. (New York: Robert H. Dodd, 1915-28), 3:123, 4:394. A copy of the Van Borsum patent is in the Colve Papers, Colonial Mss. vol. 23, 433-20; see also the confirmation of title of 1696, in Liber Patents, 7:111-113, both in the New York State Archives, Albany, N.Y. Despite these documents, the government of New York City continued to dispute the Van Borsum heirs' claim to the property until the end of the eighteenth century, forcing two of the heirs to enter into an agreement in December 1760 to lease from the city the "three lots of ground contiguous and adjoining to the Negroes Burying place on part of which Lotts, their Father Built a Pottting House, pot oven and sunk a well supposing at that said Time the said Lands were his property." New York City, *Minutes of the Common Council, 1675-1776 [MCC, 1675-1776]* (New York: Dodd, Mead, 1905), 6: 238. Contention between the heirs about their respective shares in the Van Borsum estate, which was not resolved until 1795, may have prevented them from mounting a successful challenge to the City's claim to the property as common grounds. (See New York County, Office of the Register, Liber Deeds and Conveyances, Liber 245 p. 405; and "Smith, *ex dem.* Teller, against G. & P. Lorillard," *Johnson Reports* (Supreme Court) 10:338-357.)

³In 1784 the heirs to the Van Borsum patent retained Evert Bancker, Jr. to survey the patent lands. He recorded preparing a plan of the Van Borsum property, the Common grounds (the present-day City Hall Park), and the adjoining lands of George Janeway showing how these properties "interfered with each other." Bancker Survey Books, vol. 1, item 309, Manuscripts Collection, New-York Historical Society. See also Murray Hoffman, *A Treatise upon the Estate & Rights of the Corporation of the City of New York as Proprietors* (New York: Edmund Jones & Co., 1862), 2: 205-207.

lying area between hills, as well as its actual distance.

It is not known precisely when the African community began using the area for burying its dead. The earliest document mentioning the ground is from 1712/13. In that year, military chaplain John Sharpe wrote that "Negros" were being buried in the Common by "those of their country."⁴ The "common" land stretched to the north of the eighteenth-century town, beginning at the southern end of present-day City Hall Park. Sharpe gives no indication of the exact location of the ground which Africans were using, but a clue is provided by a 1722 law prohibiting night funerals of slaves south of the Collect Pond.⁵ By 1732 a piece of ground north of the city and just south of the Collect Pond had become well enough known as the "Negro Burying Place" to be labeled as such on a map of the city (Figure 8). It is likely the area indicated on this map is the same part of the "common" land referred to by Sharpe in March 1712/13.

Between April 7 and 21, 1712, a group of New York city slaves had revolted, burning houses, killing nine whites, and wounding about fifteen others. As a result, twenty-one Africans were executed and may have been interred in the Burying Ground. During 1741, thirteen black men were burned at the stake and seventeen were hanged after being charged with conspiracy against the colony before Judge Daniel Horsmanden. According to Horsmanden's account, these executions took place by the powder house between the Large and Little Collect Ponds, and it is likely that the bodies were also buried in the nearby African Burying Ground.⁶

The Burying Ground is clearly labeled on the 1755 Maerschallck Plan of New York (Figure 9). Here it is shown north of the palisade (built in 1745), thus just outside the town. The palisade was near the line of present-day Chambers Street. According to this map, the "Negro Burial Ground" extended east from Broadway to the "Little Collect" (a small extension of the Collect Pond). The northern boundary of the Burying Ground is shown as a line running northeastward from Broadway. This line corresponds to the northern boundary of the Van Borsum patent. The heirs to the patent were attempting to assert their claim to the land in the mid-eighteenth century, and this boundary line may have been laid out with a fence at that time.⁷ A direct reference to the acknowledged link between the Van Borsum patent and the Burying Ground is also made in the heirs' 1753 request to the Common Council to exchange their interest in the "Negro burying place" for other city lands.⁸

The British Headquarters Map of New York in 1782[?] (Figure 10) shows a burial ground immediately north of the Revolutionary War barracks (long, narrow structures along the south side of what became Chambers Street). It is likely that the map maker was depicting the area of the African Burying Ground used for the interment of prisoners of war and possibly soldiers

⁴John Sharpe, "Proposals for Erecting a School, Library and Chapel at New York," (1712-13), *New-York Historical Society Collections*, 13 (1880):355.

⁵*MCC, 1675-1776*, 3:296.

⁶For accounts and discussions of the 1712 revolt and 1741 "conspiracy," see Kenneth Scott, "The Slave Insurrection in New York in 1712," *New-York Historical Society Quarterly*, 45 (1961): 43-74; Ira Berlin, "Time, Space, and the Evolution of Afro-American Society on British Mainland North America," *American Historical Review* 85 (1980):44-78; Thomas J. Davis, *A Rumor of Revolt: "The Great Negro Plot" in Colonial New York* (New York: Free Press, 1985).

⁷"Smith, *ex dem.* Teller, against G. & P. Lorillard," 10:355.

⁸*MCC, 1675-1776*, 5:416. The request was not granted at that time.

during the British occupation of the city.⁹ The map indicates that the southern part of the Burying Ground, an area now crossed by Chambers Street, was used for that purpose. It is possible, however, that some prisoners or loyalist soldiers, including Africans, were interred in the portion of the Burying Ground that has been excavated archaeologically. Africans fought on both sides of the revolutionary conflict. The promise of freedom was offered to runaway slaves as enticement to fight on the loyalist side at the outset of the war although the revolutionary army did not actively solicit their participation until 1781.¹⁰

No city maps surveyed after 1755 explicitly label the Burying Ground. It is clearly labeled, however, on a series of surveys related to the division of the farm patents in the area in the 1780s and 1790s. Abutting the Van Borsum land to the north was the "Calk Hook" Farm owned by the Barclay/Rutgers family. In 1785 a survey was made for the purpose of dividing this property into blocks and lots for sale and subsequent development.¹¹ The survey map clearly indicates that the Barclay/Rutgers land was bounded on the south by the "Negros Burial Ground" (Figure 13). The Van Borsum patent itself was divided into lots in 1795.¹² It is clear that the old ground could no longer have been used as a burial place, as construction of houses on the lots began almost immediately after each survey was completed. In the same year that the Van Borsum tract was subdivided, the Common Council assisted in the purchase of lands on Chrystie Street for a new African cemetery.¹³ In 1796, the Common Council arranged to acquire a part of the "Negros Burial Ground" for laying out Chambers Street east of Broadway.¹⁴ In exchange for this land, the Council granted the Van Borsum heirs city lots further to the east.

The earliest development of Blocks 153, 154, and 155 subsequent to their division probably involved construction at original grade. Several backyard privies related to the first structures on the lots in the archaeological project area have been excavated, and these features cut through burials. The fact that these privy shafts were dug into the same soil levels as the burials indicates that substantial filling had not yet taken place. By 1812, testimony in a lawsuit involving the Van Borsum heirs includes the following description of the area:

The lots adjoining, and including the premises, and including the African burying ground, for many years since the American war, were regarded as uninviting suburbs. The streets have since been widened, the face of the ground wholly

⁹See Stokes, 3:927.

¹⁰See Mary Beth Norton, "The Fate of Some Black Loyalists of the American Revolution," *Journal of Negro History* (1966): 402-426; Benjamin Quarles, *The Negro in the American Revolution* (Chapel Hill: Duke University Press, 1961).

¹¹Liber Deeds and Conveyances, Liber 46, p. 139.

¹²Liber Deeds and Conveyances, Liber 195, pp. 405-420 and Map File 76J and Evert Bancker, Jr., Partition Map of the Van Borsum Patent, 1795, Box 1, Folder 44, of the "Bancker Plans," in the Manuscripts Collections of the New York Public Library.

¹³MCC, 1784-1831, 2:137.

¹⁴MCC, 1784-1831, 2:250-53.

changed, and it is now covered with a flourishing population, and elegant improvements.¹⁵

By the time larger brick buildings with single or double basements were constructed in the mid-nineteenth century, the entire vicinity had been leveled through the grading and filling discussed above. References to the leveling of Broadway just north of the site indicate it was graded some four to fifteen feet.¹⁶ As shown on the Viele map (Figure 11), the Burying Ground ravine cut across Broadway near Chambers Street. While a portion of the Burying Ground along Broadway north of Chambers Street may have been graded and destroyed in the early nineteenth century, filling may have occurred when Chambers Street was laid out in 1796. To the east, sixteen to twenty-five feet of fill covered and protected the burials.

The excavations in Block 154 uncovered preserved burials beneath Republican Alley, as was expected, since the alley was within the area historically known as the Burying Ground and had remained relatively undisturbed since 1795 when it was laid out. The bottoms of grave shafts beneath the alley were at depths of from 6.53 feet above sea level at the west end to -.23 feet below sea level at the eastern end. Burials were also found extending north of the alley beneath the basements of some Duane Street lots (see site plan, Figure 17). Bottoms of grave shafts were at a maximum elevation of 7.13 feet above sea level beneath the westernmost excavated lot and as deep as -1.52 feet below sea level further west. The area covered by burials spread slightly north of the boundary of the Van Borsum patent. It is likely this boundary was not clearly marked throughout much of the Burying Ground's history, and there is no reason to suppose that those who used the ground always knew its exact location. However, a series of post-holes was discovered running from west to east in a line roughly corresponding to the old patent boundary. This may be the remains of a fence which marked the northern extent of the Van Borsum property (or the southern boundary of the Calk Hook Farm). This indicates that even though burials extend at least thirty to thirty-five feet further north, at one time the burial ground may have been contained south of the fenced line, within the patent boundary. In the westernmost lot that was excavated, archaeologists also exposed a ditch to the north of the presumed fence line. The ditch also runs in a line parallel to the old patent boundary, and may have been another marker of the property line and of the burial ground's northern limit. This evidence suggests that the northern boundary definition varied slightly in the eighteenth century.

Artifacts found in the coffins themselves as well as in the grave-shaft fill confirm the historical evidence for the eighteenth-century use of the burial ground. The African-American community must have ceased to bury its dead here by 1795. The earliest use of the ground cannot be determined, either through documentary research conducted to date or through archaeological excavations. David Valentine, writing about the Burying Ground in the 1850s (see below), assumed its origin was during the Dutch colonial period, but offered no supporting evidence for this assumption. The suggestion of an origin for the Burying Ground in the Dutch period is supported circumstantially, however, by the ground's location near the farms granted to Africans by the Dutch West India Company.¹⁷ These farms were north of the town, around the Collect Pond and extending northward as far as present-day 34th Street. While analysis of the

¹⁵Smith, *ex. dem.* Teller, v. Burtis & Woodward," *Johnson Reports* (Supreme Court) 9:182.

¹⁶MCC, 1784-1831, 2:359-61; Peter Gassner, "Recollections of an Old Citizen," *Manual of the Common Council of New York* (New York: D.T. Valentine, 1859), p. 588.

¹⁷On the Africans' farms, see Stokes, 6:123-24.

artifacts may help to bracket individual burials, it will be more difficult to assign an overall beginning date to the entire site.

Description of excavated remains¹⁸

Demolition debris from recent structures covered much of the area excavated by archaeologists within Block 154. In some places, nineteenth-century deposits were encountered, notably beneath Republican Alley and beneath buildings with shallow basements. Once these layers were removed, roughly rectangular soil stains representing grave pits were sometimes clearly visible. In the area where the early ground surface was preserved, several graves were marked. In two or possibly three cases, headstones remained *in situ*, and several graves were outlined in cobbles and fieldstones (see Figures 17 and 23).

The soil which filled each grave shaft contained material that had either been placed in the grave or had lain in or on the surrounding soil at the time of interment. This material, which included fragments of brick, nails, glass, ceramics, animal bone, shell, seeds, and tobacco pipes, was recovered for further analysis. In the central and eastern portions of the archaeological site, the grave shaft fill contained significant amounts of pottery wasters, kiln furniture, and sherds of locally-produced stoneware. Potteries were located in the immediate vicinity of the Burying Ground in the eighteenth century, one just north of the site to the west of Broadway and others to the southeast, where "Pot Baker's" or "Potter's Hill" (Figure 9 and 13) is depicted on historic maps. The important early Crolius pottery may have overlapped with a portion of the Burying Ground during the eighteenth century. At one time it appears to have stood east of Elk Street within the bounds of the Burying Ground as currently defined. Several brief references to the Van Borsum land (in deeds and in Common Council minutes) indicate the presence within its boundaries of a pottery or potteries.¹⁹

Only a few of the grave shafts contained human remains that had been placed directly in the ground. In the vast majority, remains of wooden coffins were found. These remains consisted of decayed wood stains in the soil and occasional small wood fragments. Coffins were of three types: hexagonal (the majority), rectangular, and four-sided tapering (Figure 24). Iron coffin nails were recovered, but little additional coffin hardware was found. In a few cases, metal

¹⁸Howard University and John Milner Associates, Inc., "Draft Research Design for Archeological, Historical, and Bioanthropological Investigations of the African Burying Ground and Five Points Area, New York," prepared for Edwards & Kelcey Engineers, Inc. and the General Services Administration, Region 2, 1992, and Edward S. Rutsch and staff, "A Draft Research Design for the Broadway Block, Including an In-progress Fieldwork Summary Report," prepared by Historic Conservation and Interpretation, Inc. for Edwards & Kelcey Engineers, Inc. and the General Services Administration, Region 2, 1992. Information about the African Burial Ground site has been provided by the staffs of John Milner and Associates, Inc. and the General Services Administration; the staff of the New York City Landmarks Preservation Commission has made conducted many site visits.

¹⁹Liber Depds and Conveyances, Liber 97, p. 158; Liber 75, p. 118; Liber 75, p. 125; *MCC, 1675-1776*, 5:416, 6:227, 6:238; *MCC, 1784-1831*, 2:218, 2:220-21. See also Arthur W. Clement, *Our Pioneer Potteries* (New York: printed privately, 1947), pp. 8-9, 21-24; John E. Stillwell "Crolius Ware and its Makers" *New-York Historical Society Quarterly Bulletin* 10 (1926):52-66; William Ketchum, Jr., *Early Potters and Potteries of New York State* (New York: Funk & Wagnalls, 1970), pp. 23, 25-26, 28; Jane Van Vleck, *Ancestry and Descendants of Tielman Van Vleek of Nieu Amsterdam* (New York: printed privately, 1955).

African Burying Ground

handles or decorative cover plates were found on the coffins. Tacks spelling out the initials "H. W." and a date of 1758 or 1738 decorated one coffin lid (Figure 25).

In all but a few cases, the deceased had been laid supine with arms folded over the pelvic area or placed at the sides, and oriented on an east-west axis with the head to the west. Burial artifacts were scarce, mainly consisting of items of personal adornment when identifiable. Approximately 140 glass beads, 130 buttons made of pewter, copper alloy, bone, and shell, nine coins, four rings, four shells, and one fragment of coral were recovered from the coffins. One man's remains were found with five buttons, two of which matched and were gilt-decorated with an anchor design (Figure 28). Perhaps the most spectacular interment was of a woman who was buried wearing a belt or girdle of over one hundred glass trade beads and cowrie shells (Figure 29). In three cases, coins had been placed over the deceased's eyes. One of these pairs of coins were King George II pennies, minted in the 1730s. The other coins await conservation and identification. The most frequent items found in the coffins were brass straight pins, often near the head and upper torso, indicating that many of the dead were at least partially wrapped in shrouds. Infants and very young children appear to have been completely shrouded. In many cases small fragments of hair, and in a few cases small fragments of fabric, were recovered.

Preliminary forensic assessments were conducted in the field but the firm assignment of gender and age to individuals awaits further study. Ninety-three percent of the individuals whose graves have been excavated are thought to be of African origin or descent. Evidence of pathologies such as arthritis was noted in some individuals. An ossified pelvic tumor indicates one individual who suffered from tapeworm; such a discovery is extremely rare. A ball of lead shot was found in one woman's rib-cage, and steel shot was found with another individual. In most cases, based on observations made prior to the exhumation of burials, there is little evidence of traumatic injury or death.

Anomalous burials included several graves containing coffins but no human remains. One burial held the remains of an individual of European origin who had undergone an autopsy. These burials point to the possibility that the Burying Ground was occasionally robbed for cadavers and perhaps used for disposal of remains by physicians or students from the nearby New York Hospital. In addition, three burials were oriented north-south rather than east-west, and one individual was buried head-to-east instead of west.

Site integrity

The African Burying Ground site saw intensive nineteenth and twentieth-century development. However, due to the presence of deep fill in the area, this development has not obliterated but preserved the Burying Ground. Within the bounds of the site as currently defined, some areas are known to have good preservation of burials, and others have good potential. In some areas, however, there is little potential for preservation. Through analysis of boring logs and building plans, it is possible to predict those areas where the burials are likely to remain and those which have been destroyed by later construction.

Figure 14 shows hypothetical original contours of the site area. This map is the result of analysis of a series of borings conducted in the area in the 1960s along with elevations taken at the archaeological site, and examination of historic maps. Borings placed in street beds and in City Hall Park were used, and the appearance of silt in each core was used as an estimate of the depth of buried natural strata, possibly the original ground surface. A comparison of this map with the current elevations (Figure 15) suggests that the old surface is buried several feet below grade along the north side of Chambers Street, and that it slopes sharply to the north down to sea level. The archaeological site map indicates elevations of 9.5 feet above mean sea level for the

old surface at the western end of the excavation and as deep as -1.5 feet for the bottom of burial shafts at the easternmost point, near Elk Street. Elevations at or below sea level are due to compression; the original surface would have been above sea level.

It is necessary to assess the potential for preservation beneath the basements of both standing and now-demolished nineteenth and twentieth-century buildings. In Figures 18 through 22, below-ground cross sections through the blocks on the site are shown. These sections schematically depict the conjectural location of the grave-bearing stratum beneath the building basements and streets. The depth of this stratum is projected from archaeological site elevations and boring data. In some areas, such data are lacking or difficult to project. For example, it is assumed that the original grade of Broadway in the northern part of the site was near its present level, and that "Potters Hill" in the southeast part of the site was graded so that the original surface was higher than at present.

Figure 16 is a plan of the African Burying Ground site indicating areas of archaeological sensitivity. Many areas beneath standing or former buildings are deemed to have good potential for preservation of burials. These areas include:

- beneath 14-26 Reade Street (the City Planning building). It is clear, based on adjacent archaeological excavations, that the stratum containing burials is below the level of the building's basement at Republican Alley.
- beneath the parking lot between Elk Street and the Emigrant Industrial Savings Bank. Borings indicate that the original ground surface was near sea level, below Reade Street adjacent to this location. The basement of the building which once stood here was sufficiently shallow so that it is probable that burials are preserved beneath it.
- beneath the shallow single basement of the Jones Building.
- beneath the northern portion of the Court Square Building. Although the structure has a double basement, the ground originally sloped down to the north and east, and the original ground surface was probably at a level deeper than the basement disturbance in this location.
- beneath the northern portion of the A.T. Stewart Store building. Burials in the westernmost portion of the archaeological excavation were at depths at or below the level of this building's sub-basement garage. Due to the original slope, however, excavations for the southern part of the basement probably destroyed burials (see below).
- The streetbeds of Chambers, Reade, Duane and Elk Streets are all considered to have some potential for preservation of the Burying Ground, as they had been disturbed only for utility lines. Although there are some sewer lines in these streets (shown in section), excavation of the sewers would not have disturbed the entire width of the streetbed. The Subway lines beneath Centre Street and Lafayette Street have probably destroyed any remains to the east of the lot lines of Blocks 153 and 155. A similar condition occurs along Broadway, where there is also a subway tunnel. The portion of Elk Street between Chambers Street and Reade Street was once a city lot on which a building stood. It is likely that burials have survived beneath the level of the basement which is now filled.

Areas unlikely to contain preserved burials include:

- the area covered by the southern portion of the A.T. Stewart building. It is

likely that the ground level in this area sloped up in a southwesterly direction. Burials in higher ground would have been obliterated by the sub-basement (now a garage), while to the north, where the original elevation was lower, intact burials are likely to be found.

- the area covered by the southern east-west portion of the Court Square building. The sub-basement of the building probably has obliterated all burials. The original grade sloped down to the north, however, and intact burials are likely to be found beneath the northern portion of the building.

The site includes an excavated area which has yielded information of scientific importance:

- the current construction site for the tower portion of the federal office building (roughly the northwest quadrant of the Burying Ground as currently defined). Over 400 burials were archaeologically excavated and removed from this area in 1991 and 1992. Deep basements of nineteenth and twentieth-century buildings had already destroyed the burial ground beneath the lots along Broadway.

Unshaded areas within the historic boundaries of the African Burying Ground but considered to no longer have potential to contain preserved burials include:

- The eastern portion of Block 153, near or on "Potters Hill" (graded in the late eighteenth or early nineteenth century) and now the site of the Hall of Records. This building has an extremely deep sub-basement (40 feet below grade at Chambers Street and 30 feet at Reade Street) and has vaults under the sidewalks that extend to the sub-basement level. The construction of three buttresses beneath Elk Street (see section) may have necessitated excavation of the eastern portion of the streetbed.
- the majority of the site of the Emigrant Industrial Savings Bank building, which has a sub-basement and vaults extending below the depth of potential burials except along Reade Street.

A portion of the archaeological site on Block 154 (Figure 16 - Pavilion site and Figure 17) was only partially excavated and is known still to contain burials. In the northeasternmost portion of the site, nineteenth-century buildings had relatively shallow basements which may have cut only into fill. Here, the original ground surface may still be preserved, and grave markers may be *in situ*, as was the case in the western end of Republican Alley. However, this area was graded to a depth of approximately 25 feet during recent construction work for the federal office building. While that work may have destroyed any remnant of the original surface on Block 154, an estimated 200 to 300 burials are thought to be well-preserved below the graded surface.

Several other disturbances have occurred due to construction work which took place concurrently with the archaeological excavation. A concrete perimeter wall was constructed around the site during fieldwork in 1991, disturbing burials along its trench. In addition, four 10 foot by 10 foot concrete footings were poured in the western end of the site. One of these is shown on the site plan, and three more (currently covered by soil) are aligned with it to the north, under the construction ramp. The excavation for each of these footings disturbed a 15 foot by 15 foot square area containing burials. Footings were also poured along the north edge of the site. Despite these disturbances, it is estimated that approximately 200 to 300 burials are still preserved at the eastern end of Block 154.

Construction of the 34-story tower portion of the federal office building is currently underway in the western portion of Block 154. The portion of Block 154 immediately to the north of 14-26 Reade Street is, as originally designed, the location of the "pavilion" portion of the office building. No construction is currently taking place in the pavilion area of the site, but the northern portion is still being used for an access ramp for the construction site. The General Services Administration has submitted a conservation plan to the Landmarks Preservation Commission and the Advisory Council on Historic Preservation for protection of the Burying Ground in the pavilion area. In order to avoid further compromise to the integrity of underlying deposits, this area will not continue to be used as a staging area for the adjacent tower construction.²⁰

Figures 4 through 7 show the site's present appearance above ground. Figure 3 also indicates current structures on the blocks within the site.

²⁰The future of this parcel will be determined after recommendations have been made to GSA from the Mayor's Committee on the African Burying Ground and the Federal Advisory "Steering" Committee on the African Burying Ground.

8. STATEMENT OF SIGNIFICANCE

Certifying official has considered the significance of this property in relation to other properties: Nationally:___ Statewide:___ Locally:___

Applicable National Register Criteria: A___ B___ C___ D_X

Criteria Considerations (Exceptions): A___ B___ C___ D_X E___ F___ G___

NHL Criteria: 6

NHL Theme(s):

- III.D. Development of the English Colonies, 1688-1763 -- Social and Economic Affairs
- XXX.A. American Ways of Life -- Slavery and Plantation Life
- XXX.D. American Ways of Life -- Urban Life
- XXX.E. American Ways of Life -- Ethnic Communities

Areas of Significance:

- Ethnic Heritage - African-American/Black
- Archeology - Historic - Non-Aboriginal

Period(s) of Significance: Eighteenth Century

Significant Dates:

- 1673 Land which became the African Burying Ground (immediately to the north of the portion of the Commons that later became City Hall Park) granted to Sarah Roeloff in the name of her husband, Cornelius Van Borsum (however, land continued to be used as common ground)
- 1697 Trinity Church banned burial of Africans in its graveyard and it is assumed that Africans began to use the land in the Van Borsum patent as a burying ground around this time
- 1712 First historical reference to burial of Africans in the Common
- c.1795 Burials in the African Burying Ground appear to have ceased around the time that the Van Borsum tract was subdivided, Chambers Street was opened east of Broadway, and initial development occurred on the site
- 1991 Archeological work undertaken in conjunction with the General Services Administration, Foley Square project includes archaeological excavation of a portion of the site with scientific recovery of burial remains from over 400 individuals

Significant Person(s): _____

Cultural Affiliation: African-American

Architect/Builder: _____

State Significance of Property, and Justify Criteria, Criteria Considerations, and Areas and Periods of Significance Noted Above.

General statement

The African Burying Ground is of national significance due to its unprecedented potential to yield information about the lives of Africans and African Americans in an eighteenth-century urban context. A portion of the site has been excavated (Figures 16 and 17) and has yielded information of major scientific importance.²¹ The site held sacred meaning and profound social and cultural importance for this predominantly enslaved population, and the survival of the Burying Ground provides a unique opportunity to acknowledge and preserve their history. This site may well be the only preserved urban eighteenth-century African burying ground in the Americas. The more than 400 individuals whose remains have been recovered from the African Burying Ground represent a much larger population whose role in the formation and development of American society is critical.

Theme III.D Development of the English Colonies, 1688-1763 -- Social and Economic Affairs

The slave trade was integral to the development of the eighteenth-century British colonial system. This system was based on the establishment of settler colonies in the West Indies and North America, on the use of coerced labor to extract wealth from the land, and on the profitable trading of enslaved peoples. The institution of transatlantic chattel slavery is one of the tragic consequences of the European conquest of the New World. The African diaspora constitutes one of the most significant demographic, cultural, and economic events in world history, and it was a key element in the British colonial structure and in the development of the Americas.

During the eighteenth century, New York was one of four important Northern shipping points in the Atlantic trading system, along with Philadelphia, Boston, and Newport. As labor was scarce throughout the colony and free immigrants preferred to earn their livings by farming, New York merchants depended on slave labor to operate the port and supplement the pool of skilled craftsmen in such trades as ship carpentry and printing. Slaves also were employed in heavy transport, construction work, and domestic labor, as well as in farming and milling.²²

²¹Howard University and John Milner and Associates, Inc.

²²See Thelma W. Foote, "Black Life in Colonial Manhattan, 1644-1783," (Ph.D. diss., American Studies Department, Harvard University, 1991), cited in Howard University and John Milner Associates, Inc., "Draft Research Design," p. 12; Elizabeth Blackmar, *Manhattan for Rent, 1785-1850* (Ithaca: Cornell University Press, 1989), p. 20; Edgar McManus, *A History of Negro Slavery in New York* (Syracuse: Syracuse University Press, 1970), pp. 114-33; Samuel McKee, *Labor in Colonial New York* (New York: Columbia Univ. Press, 1935), pp. 64-70, 114.

At least 6,800 African slaves were imported into New York between 1700 and 1774.²³ Approximately 2,800 (41.2 percent) were brought directly from Africa, while the other 4,000 were brought via the West Indies or one of the other American coastal ports, typically Charleston. Until the early 1740s, 70 percent of all enslaved Africans who entered New York were from these American sources. However, the outbreak of the Anglo-Spanish War of 1739-48 closed Spanish colonial markets to British slave traders, sharply increasing the supply and reducing the price of people enslaved in Africa. Since the duty in New York on these African-born slaves was considerably lower than that on what were called "seasoned" slaves from other colonies, the proportion of directly imported to indirectly imported slaves reversed after 1742. The influx of enslaved Africans declined only in the 1770s when a dwindling supply of slaves pushed prices beyond the demand of the New York market and the American Revolution interrupted trade. Problems of social control in the urban environment may have contributed to a decline in demand for enslaved Africans.²⁴

In addition to enslaved Africans, there were numerous free Africans in New York, some of whom were descendants of people who had been freed by the Dutch West India Company during its tenure of New Amsterdam. Many privileges and rights accorded to enslaved and free Africans under the Dutch were rescinded within forty years of the switch to British rule. Historian Edgar McManus draws a basic contrast between the policies of the Dutch in the seventeenth century and the British in the early years of the New York colony:

From the start of the English occupation the creation of a commercially profitable slave system became a joint project of both government and private interests. Unlike the Dutch West Indies Company, which used slavery to implement the colonial policy, the [British] Royal African Company used the colony to implement slavery.²⁵

New York's African slaves became subject to a highly restrictive legal system, one which was put in place to secure England's valuable colonial possessions in the Western Hemisphere and which resulted in severe physical and social coercion. In the meantime, along with the established and growing population of free Africans, enslaved Africans seized all available social and economic opportunities to build a distinct community.

Because the Burying Ground was used for nearly one hundred years, analysis of

²³This section on the demographics of the slave trade in New York is based on Vivienne Kruger, "Born to Run: The Slave Family in Early New York, 1626 to 1827" (Ph.D. diss: Columbia University, 1985), pp. 79-85. Most of the data were compiled by James G. Lydon, "New York and the Slave Trade, 1700 to 1774," *William and Mary Quarterly* 35 (1978):375-394. It should be noted that these numbers are, at best, approximations based on the incomplete records of the South Seas Company and the port of New York, with an allowance made for smuggling. Since it is known that captains routinely off-loaded slaves in New Jersey or on Long Island to avoid paying import duties and that English and American privateers frequently sold slaves in New York who had been transported on French and Spanish vessels, the number of slaves entering New York may have been much higher.

²⁴The decline of urban slavery in the mid-nineteenth century is discussed in Claudia Goldin, "A Model to Explain the Relative Decline of Urban Slavery: Empirical Results" in *Race and Slavery in the Western Hemisphere: Quantitative Studies*, ed. Stanley L. Engerman and Eugene D. Genovese (Princeton: Princeton University Press, 1975), pp. 427-450. Some of the factors affecting antebellum Southern cities may have arisen in New York City by the late eighteenth century.

²⁵McManus, p. 16.

archaeological remains from the excavated portion of the site will allow researchers to address questions about changes in American social and economic life during the colonial period and the period of the early Republic. For this site, such questions include: How did the treatment of enslaved Africans (or the quality of life of free Africans), as evidenced in nutritional profiles, disease, mortality, and injury, change over the course of the eighteenth century? Did the funerary practices of Africans in New York change over time? Is the process of cultural transformation visible in the material record?

Examination of burials from this site in some cases will allow physical anthropologists to distinguish African-born from American-born individuals, and to begin to develop a base-line biological profile of the first generation of the diaspora. With advanced analytical techniques, it may be possible to determine the regions of origin in Africa of some of the individuals who died in colonial New York. This will provide a rare glimpse into the geography of the colonial trade in human beings in terms of actual individuals, as well as a potential opportunity to study origins of cultural practices. The African Burying Ground represents an entire people, those who came to America in bondage rather than by choice, and who lived, died and were buried among a community heretofore largely unacknowledged in the history of the colonial world.

Theme XXX.A American Ways of Life -- Slavery and Plantation Life

By the time of the Revolution, slavery was firmly imbedded in American life. But the common image of bondage on Southern tobacco and later cotton plantations needs to be substantially adjusted, for in the North, too, slavery was a way of life. Although American slavery has been the subject of a vast historical literature, slave communities in the North have received less attention than those of the south.²⁶ And as a rule, slave life in the eighteenth century is much less well understood than the nineteenth. This is partly due to the extreme scarcity of accounts written by enslaved Africans themselves in the early period, whereas for the late antebellum period historians can turn to the recorded narratives of ex-slaves.

The African Burying Ground, because of its size, age, and preservation, is exceptional among African cemetery sites that have yet been discovered in the Americas. The only other eighteenth-century urban slaves' burial ground ever excavated is St. Peter's Cemetery in New Orleans, where 29 individuals were recovered.²⁷ Nineteenth-century urban African burial grounds, usually associated with churches, are better known, though few have been excavated. The most important archaeological example yet reported is Philadelphia's First African Baptist Church cemetery, dating from the 1820s through 1840s. The site was excavated in 1983-84, yielding over 140 burials.²⁸ Eighteenth-century African burial ground excavations have involved

²⁶Some of the contributions to scholarship on Northern slavery have been collected in Paul Finkelman, ed., *Slavery in the North and West*, *Articles on American Slavery*, vol. 5 (New York: Garland, 1989). For New York see also Shane White, *Somewhat More Independent: The End of Slavery in New York City, 1770-1810* (Athens: University of Georgia Press, 1991), and sources compiled in Sherrill D. Wilson, *A Beginners Resource Guide to "Doing" Black History In New York City* (New York: Reclaim the Memories, 1992).

²⁷Douglas Owsley et al., "Demography and Pathology of an Urban Slave Population from New Orleans," *American Journal of Physical Anthropology* 74 (1987):185-197.

²⁸Michael Parrington, Daniel G. Roberts, Stephanie A. Pinter, and Janet C. Wideman, "The First African Baptist Church Cemetery: Bioarcheology, Demography, and Acculturation of Early Nineteenth Century Philadelphia Blacks," vol. 1, "Historical and Archeological Documentation" and vol. 2, "Artifact Catalog/Faunal Analysis." Report prepared for the Redevelopment Authority of the City of Philadelphia

rural sites, mainly plantations. Of these, the eighteenth through twentieth-century Newton Plantation cemetery in Barbados is by far the largest site reported to date, with recovery of 101 individuals.²⁹ Other rural sites excavated have produced only very small samples.

The richness of the record from New York City's African Burying Ground is clearly extraordinary compared to other African burial sites that have been studied. Thus, the information that will be obtained from the burials and skeletal remains is significant well beyond the local context. Archaeologists and physical anthropologists from around the world have expressed interest in the finds. The site will provide new insights into the biological life-course of people who were enslaved and transported from Africa or born into slavery in America. It will provide one of the most important bodies of data ever made available for comparative research.

Physical anthropologists will be able to learn about nutrition, disease, physical stress, injury, and even the occupation of individuals because, in many cases, these aspects of life leave traces on the bones and teeth which are preserved. Measurements of skeletal trace elements, dental enamel development, skull base height, stature, and bone histology and lesions provide data which are important in reconstructing individuals' biological histories. Age and sex distributions will be correlated with pathological information. Taken together, such data will be used to address questions about the population as a whole, and change over time in its biology. Through studying these aspects of the biological population, questions about certain social changes, such as increased restrictions or shifts in the demographic/occupational structure of New York's African population can be addressed.³⁰ The excavated remains from the African Burying Ground have already undergone preliminary assessments which point to specific trends, such as high infant and child mortality.

In addition to the biology of individuals and populations, study of human remains from intact burials can yield information about funerary practices and even religious belief. For example, the position and orientation of the graves at the African Burying Ground is very uniform, pointing to strong religious precepts. Finally, social relations within the community may

(Philadelphia: John Milner Associates, Inc., 1989); Jennifer Olson Kelly and J. Lawrence Angel. "The First African Baptist Church Cemetery: Bioarcheology, Demography, and Acculturation of Early Nineteenth Century Philadelphia Blacks," vol. 3, "Osteological Analysis." Report prepared for the Redevelopment Authority of the City of Philadelphia (Washington: Smithsonian Institution, 1989); and Michael Parrington et al., "The First African Baptist Church Cemetery: Bioarcheology, Demography, and Acculturation Amongst Early Nineteenth Century Philadelphia Blacks," report submitted to the Redevelopment Authority of the City of Philadelphia, by John Milner Associates, Inc., 1986; Michael Parrington, "Cemetery Archaeology in the Urban Environment: a Case Study from Philadelphia" in *Living in Cities: Current Research in Urban Archaeology*, ed. Edward Staski, Society for Historical Archaeology Special Publication Number 5, pp. 56-64.

²⁹This cemetery is the best-reported of any to date. Some of the more important publications are Jerome S. Handler and Frederick Lange, *Plantation Slavery in Barbados* (Cambridge: Harvard U. Press, 1979); Jerome S. Handler and R. S. Corruccini, "Plantation Life in Barbados: A Physical Anthropological Analysis", *Journal of Interdisciplinary History* 14 (1983):65-90; Handler, Jerome S., with M.P. Conner and K.P. Jacobi, *Searching for a Slave Cemetery in Barbados, West Indies: A Biological and Ethnohistorical Investigation* (Carbondale: Southern Illinois University Center for Archaeological Investigations, 1989).

³⁰Michael L. Blakey, "Research Design for Temporary Curation and Anthropological Analysis of the 'Negro Burying Ground' (Foley Square) Archaeological Population at Howard University," Washington, D.C., Howard University, 1992, and Howard University and John Milner Associates, Inc., "Draft Research Design," pp. 96-101.

be indicated by the spatial arrangements of burials and apparent relationships between some of the interments. The discovery of women buried with newborns or still-born babies is an example of how the site evokes the poignancy of family life and death in a long-vanished community.

Funerary practices embody core aspects of cultural and symbolic systems, and for enslaved people in the colony of New York this may be all the more significant because funerals offered a chance to express cultural identity in an unsupervised context. Even though laws prohibited night funerals and gatherings of large numbers of Africans,³¹ the evidence from the Burying Ground indicates that it continued as a focus of community identity for nearly a hundred years. City Clerk David Valentine, writing in the 1850s, provided the following account of the Burying Ground:

Beyond the Commons lay what in the earliest settlement of the town had been appropriated as a burial place for negroes, slaves and free. It was a desolate, unappropriated spot, descending with a gentle declivity towards a ravine which led to the Kalkhook pond. The negroes in this city were, both in the Dutch and English colonial times, a proscribed and detested race, having nothing in common with the whites. Many of them were native Africans, imported hither in slave ships, and retaining their native superstitions and burial customs, among which was that of burying by night, with various mummeries and outcries....So little seems to have been thought of the race that not even a dedication of their burial-place was made by the church authorities, or any others who might reasonably be supposed to have an interest in such a matter. The lands were unappropriated, and though within convenient distance from the city, the locality was unattractive and desolate, so that by permission the slave population were allowed to inter their dead there.³²

Though Valentine may have been speculating on many points, he evokes the image of a place where cultural distinctiveness was acknowledged, as well as the social conditions which led to the burying ground's existence.

Theme XXX.D American Ways of Life -- Urban Life

As noted above, rural slavery on plantations has been the focus of most historical study. Recently, however, historians of African America have increasingly turned their attention to the cities and towns of North and South America and the Caribbean.³³ In these places the lives of slaves and free Africans, and their interactions with European and Native populations, were often quite different from their contemporaries on the plantations. This was certainly the case in New York where urban life during the eighteenth century was characterized by a remarkable mix of

³¹MCC, 1675-1776, 3:30, 296; 4:86, 88.

³²David T. Valentine, "History of Broadway," *Manual of the Common Council of New York* (New York: D.T. Valentine, 1865), p. 567.

³³See Richard C. Wade, *Slavery in the Cities: The South, 1820-1860* (New York: Oxford University Press, 1964); Philip D. Morgan, "Black Life in Eighteenth-Century Charleston," in *Colonial Southern Slavery*, ed. Paul Finkelman, vol. 3, *Articles in American Slavery* (New York: Garland Press, 1989), pp. 305-35; Barry W. Higman, "Urban Slavery in the British Caribbean," in *Perspectives on Caribbean Regional Identity*, ed. Elizabeth M. Thomas-Hope (Liverpool: Centre for Latin American Studies, 1984); Mary Karasch, *Slave Life in Rio de Janeiro, 1808-1850* (Princeton: Princeton University Press, 1987). For New York City, see Wilson.

peoples, and was much more diverse than in other American cities. Divisions based on "race" and national origin were overlaid by constant close contact. It has been suggested that New York's unique diversity and high level of ethnic factionalism resulted in particularly harsh social conditions for Africans, as competing Europeans closed ranks against them.³⁴

During the eighteenth century, New York had a much larger African population than either Philadelphia or Boston, and a slightly higher population proportionally than Newport. In 1703, there were approximately 700 Africans in New York, or 14.4 percent of the population. The numbers grew to 2,444 by 1746, representing 20.9 percent of the population, and peaked at 3,137 by 1771, though by then Africans were again only 14.3 percent of all New York residents.³⁵ It should be noted that prior to 1756, all Africans, enslaved or free, were counted simply as "negroes" or "blacks" in the New York censuses. Most Africans lived in the small area of the city proper, at the southernmost tip of Manhattan, and this concentration increased as the century progressed and African ownership of farmlands to the north of the city constricted.³⁶ Enslaved Africans were owned by people in all walks of life, including artisans, merchants, clergy, mariners, and gentlemen.³⁷

On plantations, quarters for enslaved Africans were normally set apart, and they can be easily identified for archaeological study. In cities, however, most slaves lived in their masters' houses, and a separate material record cannot be readily isolated. The material culture of a slave neighborhood or household in New York cannot be studied in the same way as for most other ethnic groups.³⁸ For this reason, it is, ironically, the burying place of such a community that provides the clearest opportunity to observe a distinguishable material record of their lives.

The African Burying Ground and nearby Common were important in other aspects of the culture of African New York in the eighteenth century. In the novel *Satanstoe*, James Fenimore Cooper described the "Pinkster" Day celebrations held in what is now City Hall Park (the exact location may have been the Burying Ground itself).³⁹ Africans from as far as forty miles away joined residents in "beating banjos, singing African songs, drinking, and worst of all, laughing in a

³⁴Winthrop D. Jordan, *White Over Black: American Attitudes Toward the Negro, 1550-1812* (Chapel Hill: University of North Carolina Press, 1968), pp. 119-120; Thomas J. Davis, "These Enemies of Their own Household: A Note On the Troublesome Slave Population in Eighteenth-Century New York City," *Journal of the Afro-American Historical and Genealogical Society*, 1984, pp. 133-47. See also Foote, 1991, cited in Howard University and John Milner Associates, Inc., "Research Design," p. 12.

³⁵This data on population is taken from Evarts B. Greene and Virginia D. Harrington, *American Population Before the Federal Census of 1790* (1932, rpt. Gloucester, Mass., 1966), pp. 94-104; and Thomas J. Davis, "Slavery in Colonial New York," (Ph. D. diss., Columbia University, 1974), p. 2.

³⁶Thomas J. Davis "New York's Long Black Line: A Note on the Growing Slave Population," *Afro-Americans in New York Life and History*, 2 (1978):47; idem, "These Enemies, p. 134.

³⁷Kruger, p. 93.

³⁸See Nan A. Rothschild, *New York City Neighborhoods: The 18th Century* (New York: Academic Press, 1989).

³⁹This discussion of Pinkster is taken from Herbert G. Gutman, *The Black Family in Slavery and Freedom, 1750-1925* (New York: Random House, 1976), pp. 333-334.

way that seemed to set their very hearts rattling within their ribs."⁴⁰ Pinkster Day was Christian Pentecost or Whitsuntide, derived from Shavuot, the Jewish festival which celebrates the receiving of the commandments by Moses and early summer harvest, but its celebration in New York, Philadelphia, and other Middle Atlantic colonies and states was distinctly African in practice.

The location of the African Burying Ground itself was symbolically and socially significant in the life of early New York. Forbidden to inter their dead in most church cemeteries, and probably wishing to attain a degree of privacy and autonomy in their funerary practices, New York's Africans appropriated a parcel of ground outside the town, in a "remote" place. Thus today this site symbolizes both the oppression under which enslaved peoples lived in America, and their ability to persist in honoring their African heritage while forging a new culture. It is also significant that many of those buried at the site probably helped materially in the building of the city which throughout the eighteenth century refused to formally acknowledge their final resting place. The subsequent history of this sacred ground symbolically underscores European-Americans' systematic denial of the importance of the contribution of African-Americans to the development of our nation toward an urban, industrial world power.

Theme XXX.E American Ways of Life -- Ethnic communities

Ethnic groups in America each have individual histories of arrival, encounter, struggle, assimilation, and persistence of cultural heritage. The relationship between Africans and the larger society in the British colonies and the newly formed nation during the eighteenth century was largely determined by the legal institution of slavery and its economic and social correlates. Thus the experience of the ethnic group "African Americans" needs to be understood as different from that of other immigrant groups.

Most studies of African-American history focus on either slaves or free Africans. But the African-American ethnic community was comprised of both enslaved and free people. Evidence from the Burying Ground will not reveal whether any individual was enslaved or free. Yet this very inability to distinguish legal status points up the ethnic unity of this population. That unity was not a given -- Africans who were brought to America came from a great many diverse ethnic groups. A number of individuals recovered from the Burying Ground site have filed teeth, in either hourglass or pointed shapes. Such tooth-filing is practiced in several African ethnic populations, and is used to signify membership in particular social groups.⁴¹ Similar practices were observed in slaves buried at Newton Plantation in Barbados, where they are attributed to African-born members of the community. It is possible such practices lost their significance as the social distinctions brought from Africa were transformed in the American setting. On the other hand, when individuals were buried with African adornments (such as beaded jewelry and cowrie shells) a deliberate expression of identity was made. The Burying Ground offers a chance to ask how diversity was expressed and how it was contained within an overarching ethnic identity vis-a-vis European-Americans.

⁴⁰Quoted in Gutman, p. 334.

⁴¹See Jerome S. Handler, R.S. Corruccini, and R.J. Mutaw, "Tooth Mutilation in the Caribbean: Evidence from a Slave Burial Population in Barbados," *Journal of Human Evolution* 11 (1982):297-313; T. D. Stewart and J. Groome, "The African Custom of Tooth Mutilation in America," *American Journal of Physical Anthropology* 28 (1968):31-42.

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Property Name

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Previous documentation on file (NPS):

- Preliminary Determination of Individual Listing (36 CFR 67) has been requested.
- Previously Listed in the National Register.
- Previously Determined Eligible by the National Register.
- Designated a National Historic Landmark.
- Recorded by Historic American Buildings Survey: # _____
- Recorded by Historic American Engineering Record: # _____

Primary Location of Additional Data:

- State Historic Preservation Office
- Other State Agency
- Federal Agency
- Local Government
- University
- Other: Specify Repository: _____

African Burying Ground

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10. GEOGRAPHICAL DATAAcreage of Property: approximately 7

UTM References:	Zone	Easting	Northing	Zone	Easting	Northing
A	18	584987	4507248	B	—	—
C	—	—	—	D	—	—
E	—	—	—	F	—	—

Verbal Boundary Description:

The boundaries of the African Burying Ground site are defined as follows:

South: The northern lot line of Lot 1 of Block 122 on the south side of Chambers Street.

West: A line extending along the eastern curbline of Broadway, crossing Chambers, Reade and Duane streets.

North: The southern lot lines of Lots 1 and 50 of Block 156 on the north side of Duane Street.

East: A line extending northerly from the northeast corner of Lot 1 of Block 122 across Chambers Street, along the eastern lot line of Block 153, Lot 24, across Reade Street, along the eastern lot line of Block 155, Lot 1, across Duane Street, to the southeast corner of Lot 1 of Block 156.

Boundary Justification:

The boundaries for the National Historic Landmark site are based on the described historical expanse of the burying ground. In contrast to most archaeological sites, the much-publicized African Burying Ground, as an entity, has come to have indisputable significance to the African-American community in particular, as well as obvious importance to the public at large. For this reason, excavated and unexcavated portions of the site, and also areas where no burials are thought to remain, are included within the boundaries. Conditions on the edges of the site have also influenced the boundaries of the National Historic Landmark site. Existing city streets and surveyed lots, easy to reference and define, have been used; the presence of intrusive below-grade subway tunnels helped to determine the east and west boundaries. Therefore, the boundaries represent both the historic and present-day conception of the site, as well as the extent of the preserved Burying Ground, although the integrity of the site varies. A number of lines of evidence were used to delineate the extent of the burying ground:

The Van Borsum patent is repeatedly linked to the Burying Ground in historic documents, and late eighteenth-century sources tend to assume the equivalence of the two. Survey maps clearly label the patent lands as the "Negros Burial Ground." An overlay of the probable bounds of this patent on the current street grid is provided in Figure 12.

It is possible that the original patent was a geographically defined entity, corresponding to the low area between the plateau of the Common and the fresh-water pond. This topography probably made the patent lands unsuitable for farming and its remoteness from the urban center

may help to explain why the patentee's heirs did not more actively pursue their claim to the land. The use of the patent for potteries, grazing, and as a burial place for Africans, contributed further to its marginal character in relation to the colonial town.

The slope down to the north from the high ground of the Common (the present-day City Hall Park) began roughly at Chambers Street. This probably marks the southern edge of the area used for burials. The northern lot line of Lot 1 of Block 122 (City Hall Park) is used for the boundary in order to be as close as possible to the southern edge of the Van Borsum patent. The line of the mid-eighteenth century palisade (see Figure 9) is rejected as a boundary, since the Burying Ground is known to have been used prior to its construction. The entire area north of Chambers Street was outside the town through at least the 1730s.

Archaeological and utility excavations in City Hall Park have uncovered human remains in the past.⁴² Reports of these finds were studied to determine whether the Burying Ground might have extended below Chambers Street. Human bone found in the archaeological excavations between City Hall and the Tweed Courthouse (Figure 2) was not from burial contexts. The examination of skeletal material found during repair of a water main break indicated that it probably came from burials. The bones were found near the northeast corner of City Hall Park. Three to eight adult individuals were represented by the commingled remains. Two individuals were identified as of European descent. The date of interment is unknown.

The remains from City Hall Park sites are probably associated with New York's almshouses rather than the African Burying Ground. The eighteenth-century almshouse was located on the current site of City Hall, and the later almshouse was where the Tweed Courthouse now stands. Alternatively, the burials may have been of Revolutionary War prisoners or British soldiers housed in barracks located along present-day Chambers Street. In any case, at this time these finds do not warrant extension of the boundary of the African Burying Ground into City Hall Park.

Archaeological investigation of the site has shown that burials occurred to the north of the northern boundary of the Van Borsum patent. They did not extend as far north as Duane Street in the western portion of the site, however, and it is likely they were contained south of the patent line for part of the ground's history. To the east, the patent boundary crossed present-day Duane Street in a northeasterly direction. Burials may have occurred slightly to the north of the boundary line, beneath Duane Street and possibly under the southern edge of the block to the north. However, excavations for Federal Plaza and for the subway line running beneath Lafayette Street would have destroyed any remains in this small area. The southern lot lines of Lots 1 and 50 of Block 156 on the north side of Duane Street is a reasonable northern boundary for the African Burying Ground site.

To the east, both historical geography and recent construction help to define the site. The Little Collect pond was immediately to the east of Block 155, and may have actually extended

⁴²Joel W. Grossman, "The Buried History of City Hall Park: The Initial Archaeological Identification, Definition and Documentation of Well-Preserved 18th. Century Deposits and the Possible Structural Remains of N.Y.C.'s First Almshouse," prepared by Grossman and Associates, Inc., prepared for the New York City Department of General Services, 1991; Sherene Baugher et al., "The Archaeological Investigation of the City Hall Park Site, Manhattan," prepared by the New York City Landmarks Preservation Commission, prepared for the New York City Department of General Services, 1990; Leslie Eisenberg, "Final Case Report, M87-2891, Archaeology/Scene Search/Forensic Recovery Information" (on file at the New York City Office of the City Medical Examiner).

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into the block at one time. Burials at the immediate water's edge would have been difficult. The tracks for two subway lines are beneath Centre Street, between Chambers and Reade, and one subway line runs north below Lafayette Street. The subway tunnels would have obliterated earlier deposits.

On the west, a subway tunnel runs beneath Broadway. It is also likely this thoroughfare, a recognized roadway along high ground, formed the western edge of the Burying Ground from at least the 1730s.

It is possible that further physical evidence will demonstrate that the historical boundaries of the Burying Ground extend beyond those drawn for the National Historic Landmark Site. If such physical evidence links areas outside the site to the African Burying Ground, the boundaries should be expanded. It should be noted that the Burying Ground is located in an area of intensive urban development that began during the eighteenth century. Numerous other historical and archaeological resources have sites which may coincide with that of the African Burying Ground, and this nomination in no way precludes the eligibility of other resources in or near the established boundaries of this site for the National Register of Historic Places.

11. FORM PREPARED BY

Name/Title: Jean Howson and Gale Harris, under the direction of Marjorie Pearson, Director of Research and Daniel Pagano, Urban Archaeologist with contributions by Dr. Sherrill D. Wilson, Urban Anthropologist

Organization: New York City Landmarks Preservation Commission

Street/#: 225 Broadway, 23rd Floor

City/Town: New York

State: New York

ZIP: 10007

Telephone: (212) 553-1100

Date: November 9, 1992

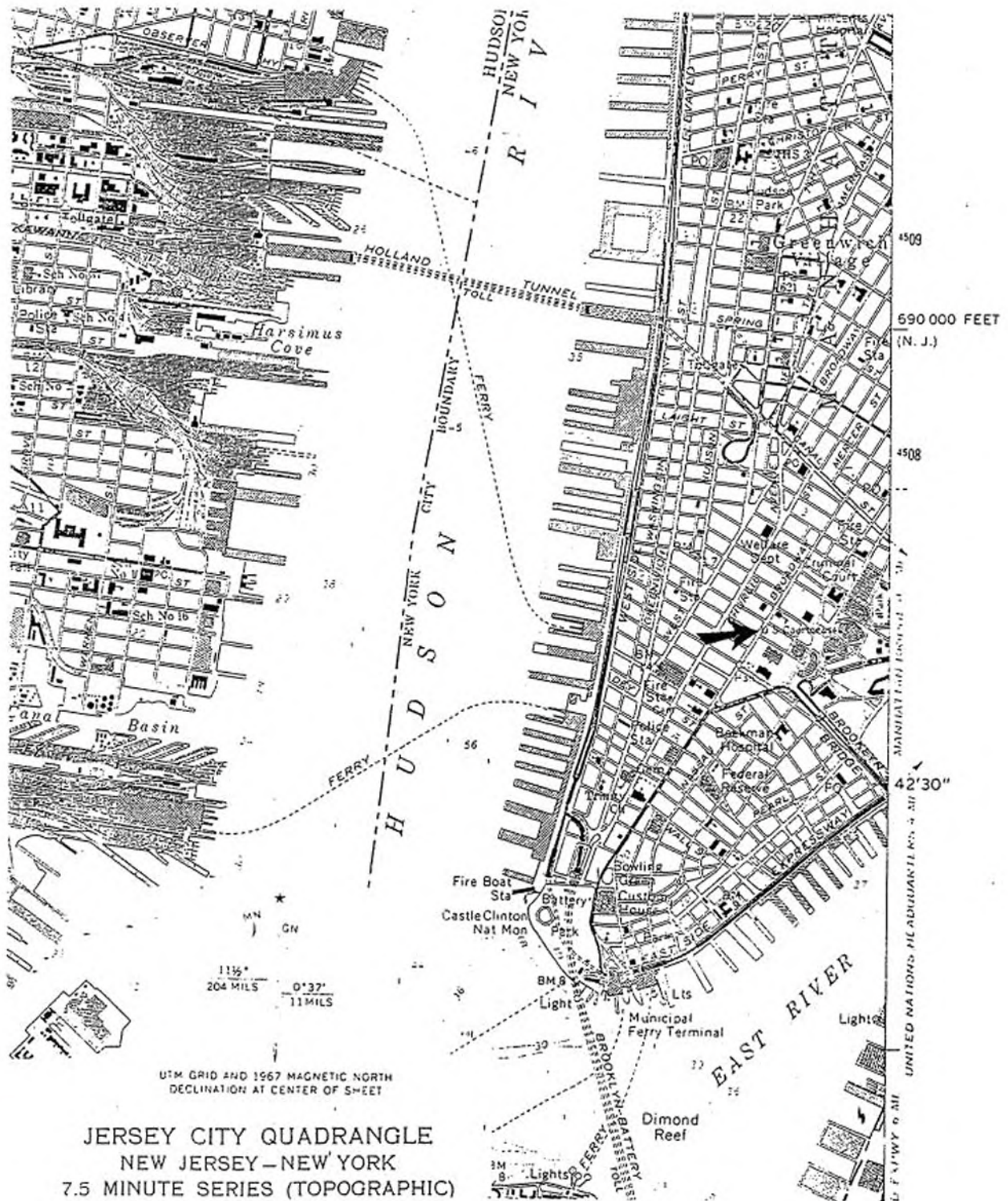


Figure 1. Portion of USGS Jersey City Quadrangle.

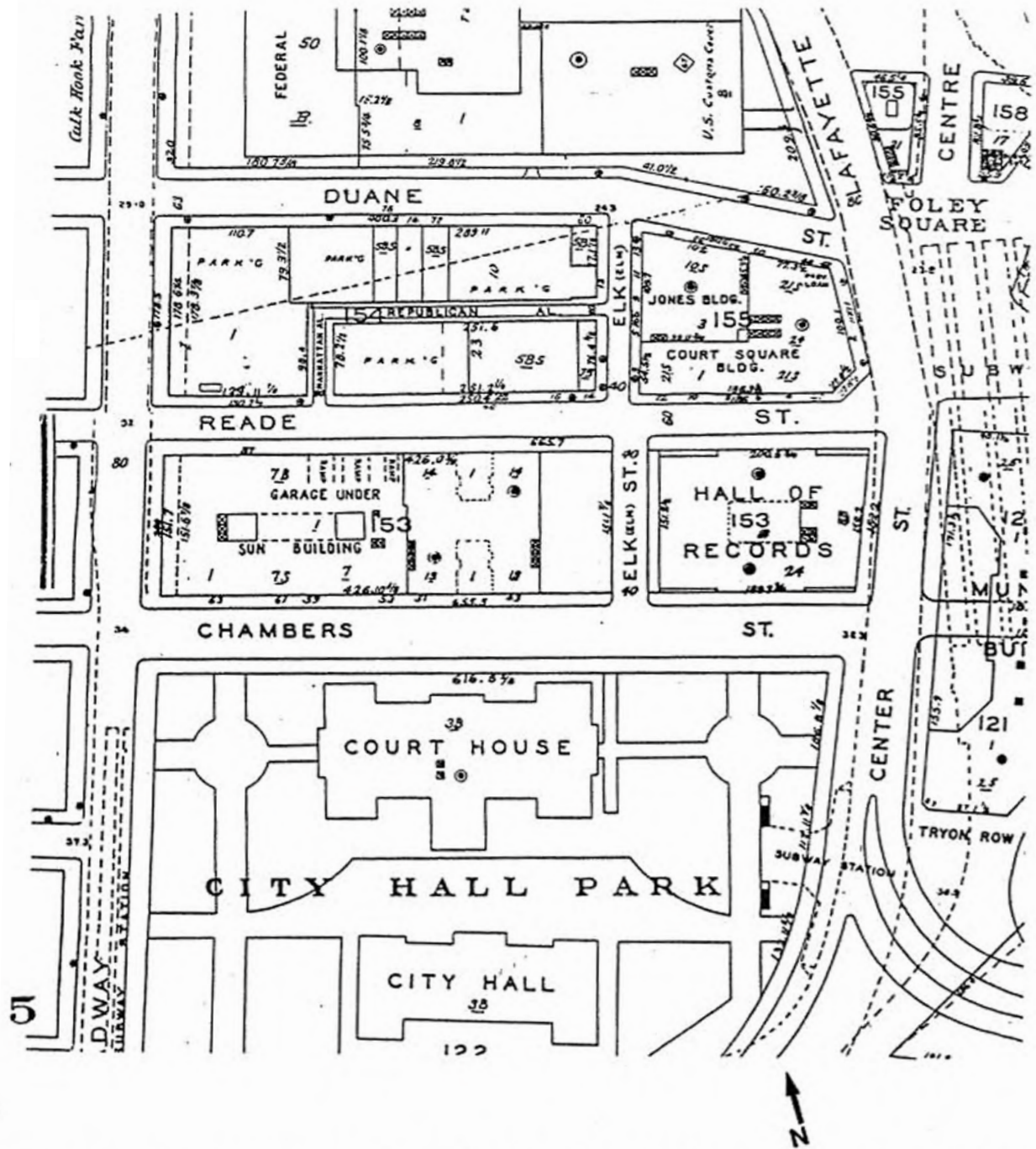


Figure 3. Property map showing blocks 153-155 from REDI/Sanborn, *Manhattan Land Book*, 1991-92.

Note: Dashed line in the south half of Block 154 indicates actual western edge of 14-26 Reade Street.



Figure 4. View of Chambers Street, southern boundary of the African Burying Ground National Historic Landmark, New York City. (Photograph: Carl Forster, 1992)



Figure 5. View of Elk Street, from Chambers Street, African Burying Ground National Historic Landmark, New York City. (Photograph: Carl Forster, 1992)



Figure 6. View of African Burying Ground National Historic Landmark from corner of Broadway and Duane Streets. Federal building excavation in foreground. New York City. (Photograph: Carl Forster, 1992)



Figure 7. View of northeast portion of the African Burying Ground National Historic Landmark from Duane Street. Pavilion site in foreground. New York City. (Photograph: Carl Forster, 1992)

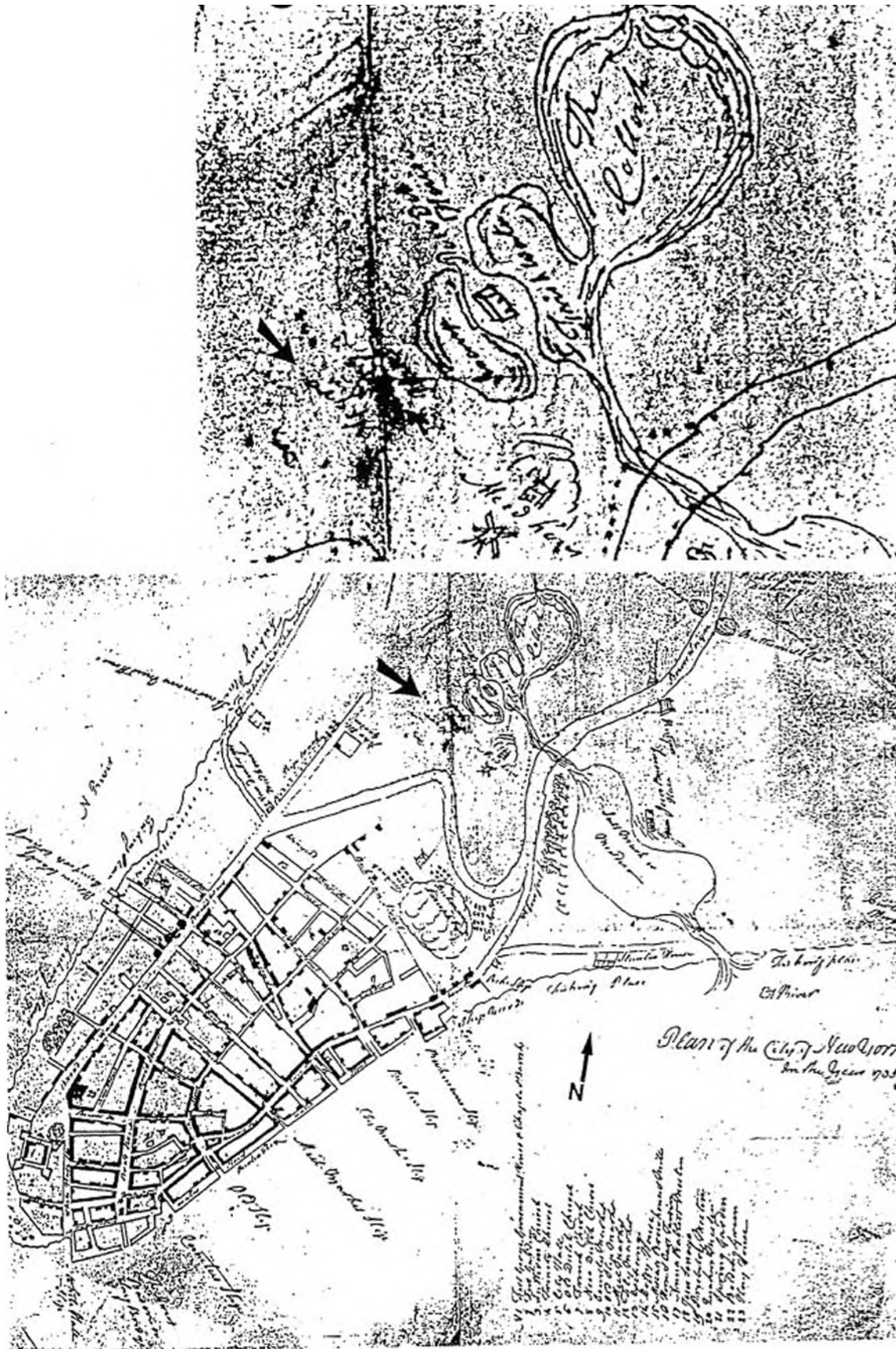


Figure 8. Plan of the City of New York in the Year 1735, cartographer unknown, 1735, depicting 1732-35 (Stokes, vol 1, pl.30). Arrow points to "Negro Burying Place"

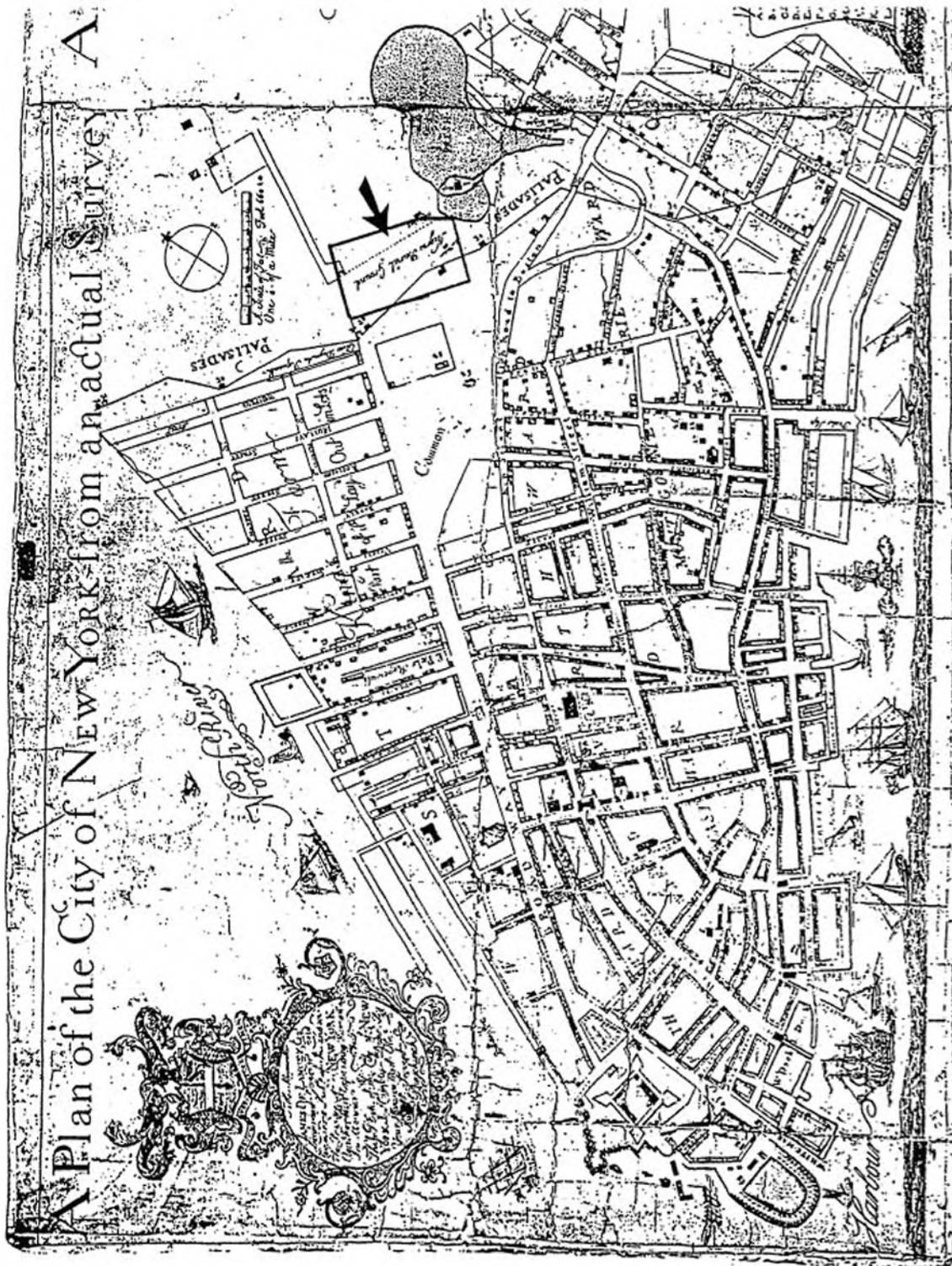


Figure 9. *A Plan of the City of New York from an Actual Survey Anno Domini M, DDC, LV (The Maerschalck or Duyckinck Plan)*, by F. Maerschalck, 1755, depicting 1754 (Stokes, vol. 1, pl. 34).



Figure 10. *British Headquarters Manuscript Map of New York and Environs, [1782?]. Sheet 2. Map Division, New York Public Library.*

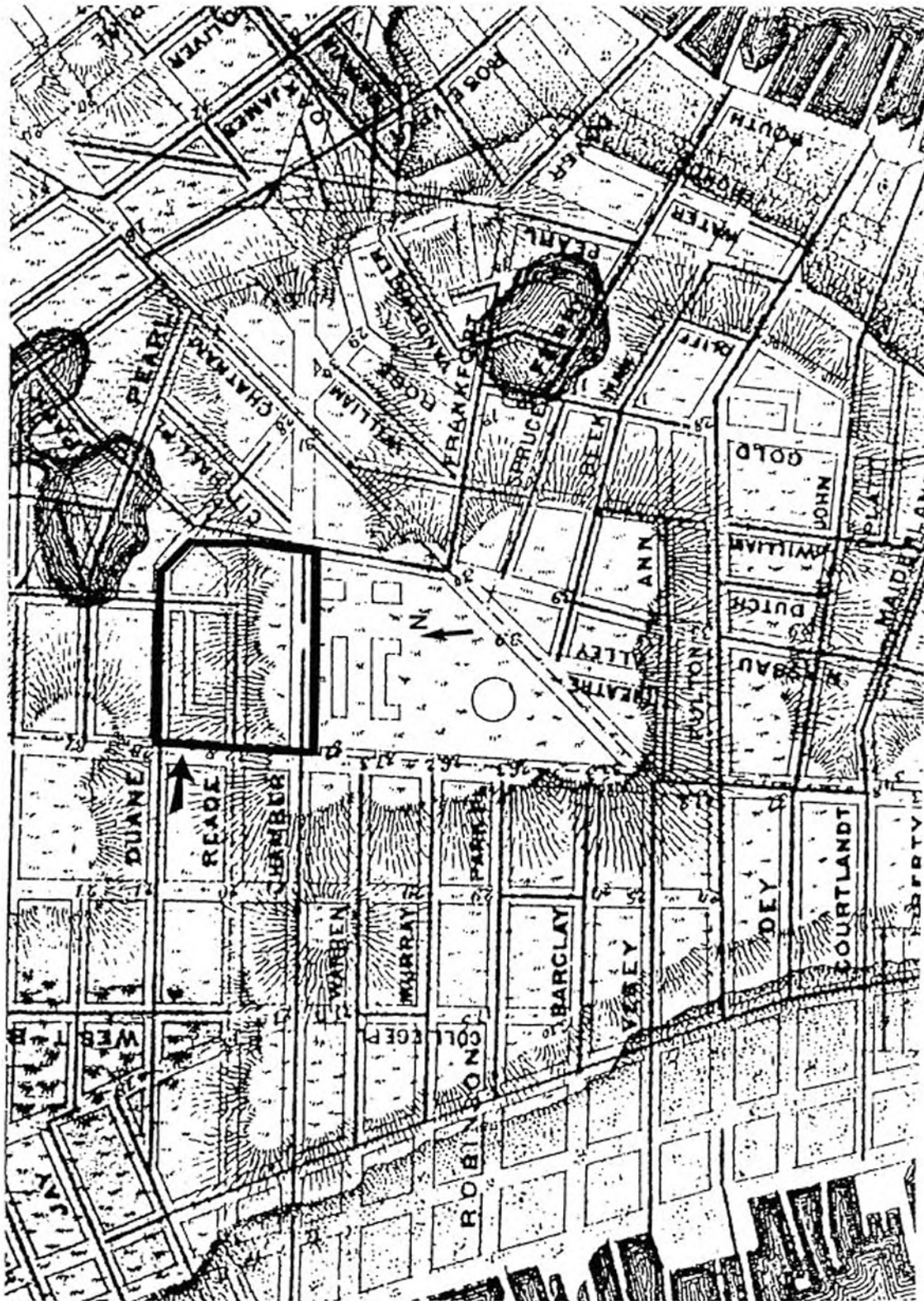


Figure 11. Sanitary and Topographical Map of the City and Island of New York, (The Viele Map) by Egbert L. Viele, 1865, depicting 1864 (Stokes, vol. 3, pl. 155b).

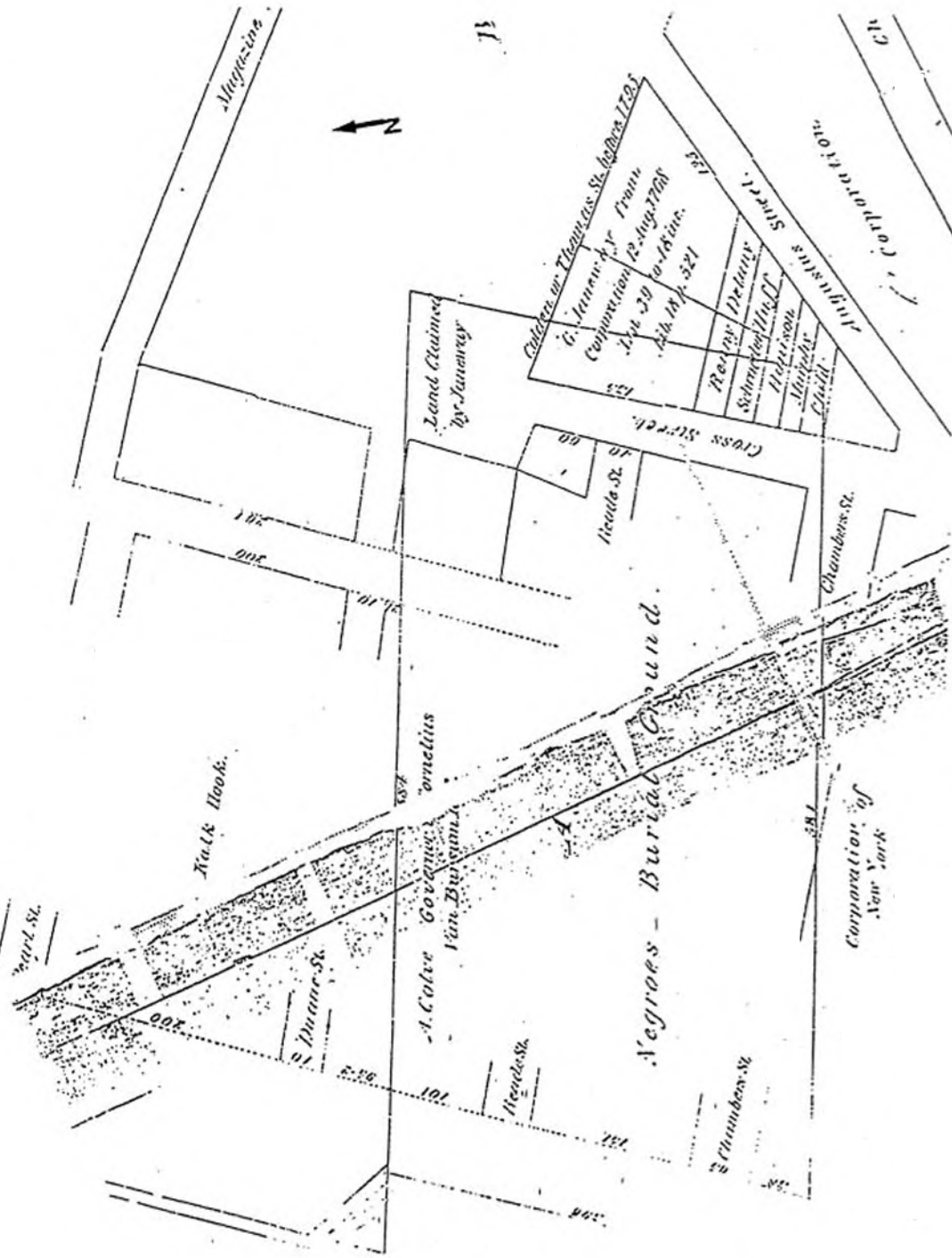


Figure 12. Survey map of the Van Borsum Patent/Negroes Burial Ground¹¹ showing location in relation to Chambers, Reade, and Duane Streets. From Murray Hoffman, *A Treatise upon the Estate & Rights of the Corporation of the City of New York as Proprietors*, 1862. Vol. 2, Diagram 8. (Map provided by Christopher Moore)

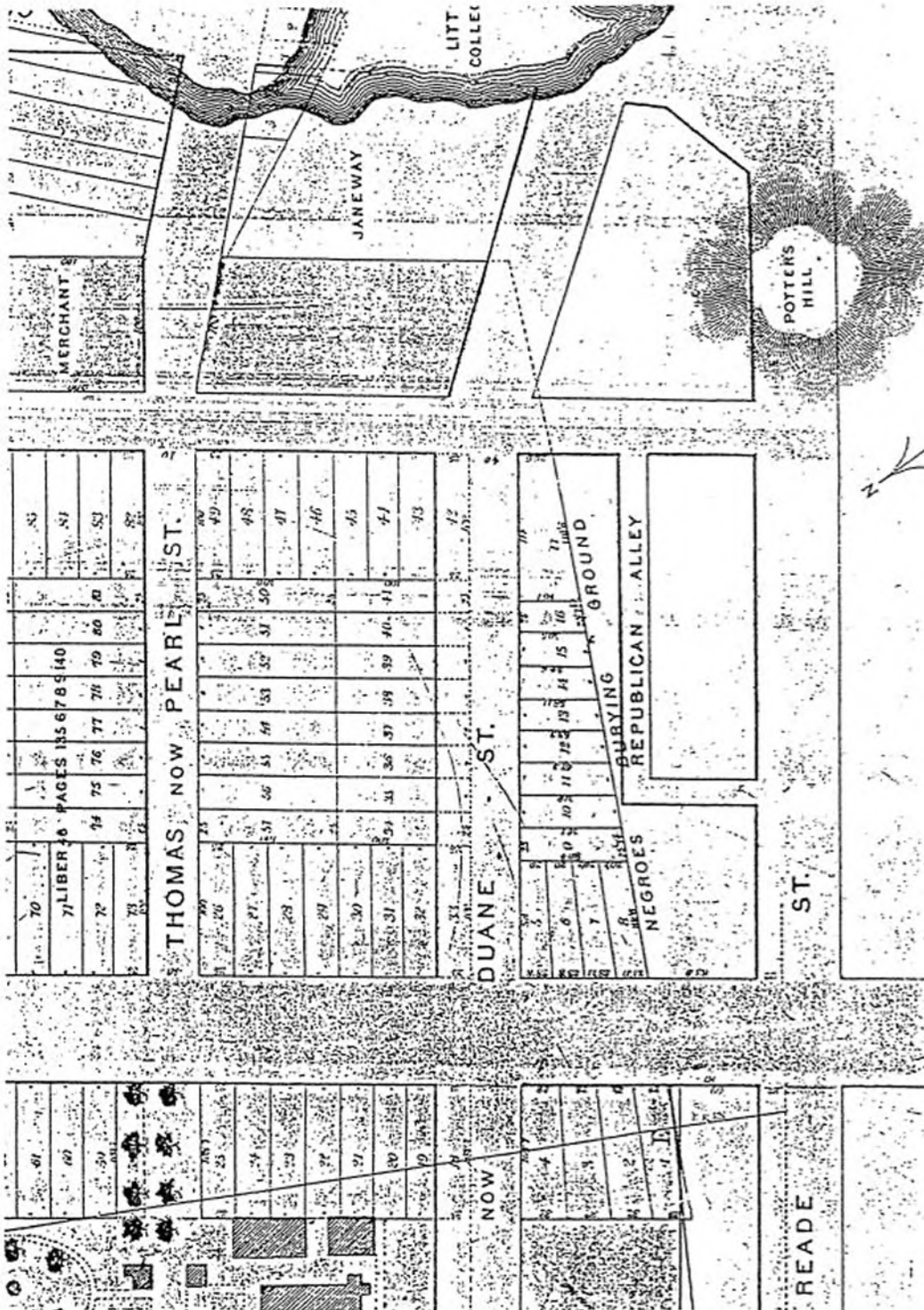


Figure 13. Detail from Map of the property formerly known as the 'Calk Hook'..., compiled by John B. Holmes, C.E. and City Surveyor. Municipal Archives, Farm Map Number 6. This map was based on the 1785 survey of the Calk Hook property, filed with the partition deed (New York County, Liber 46, page 139).

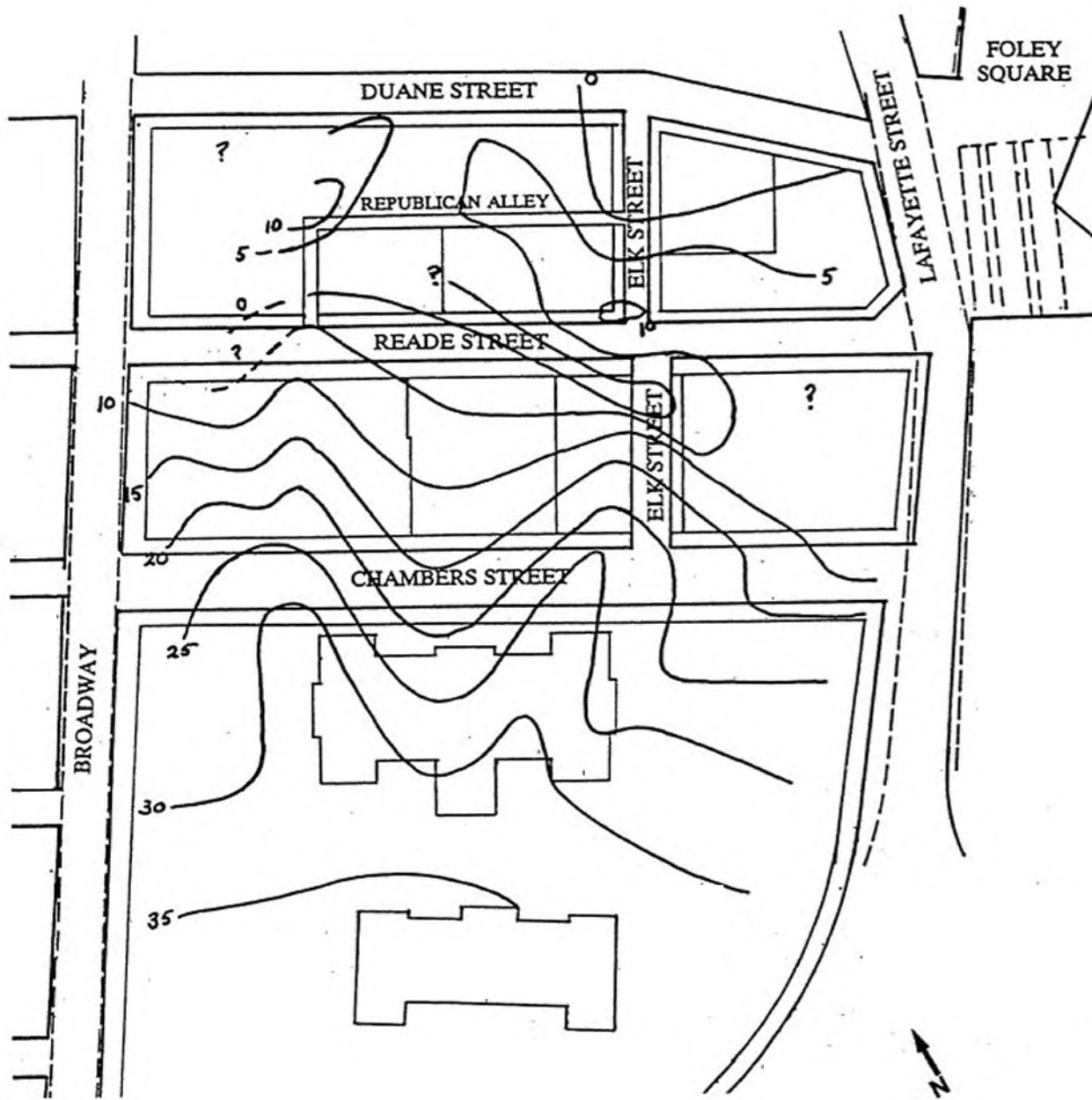


Figure 14. Map of the area of the African Burying Ground showing projected original contours.

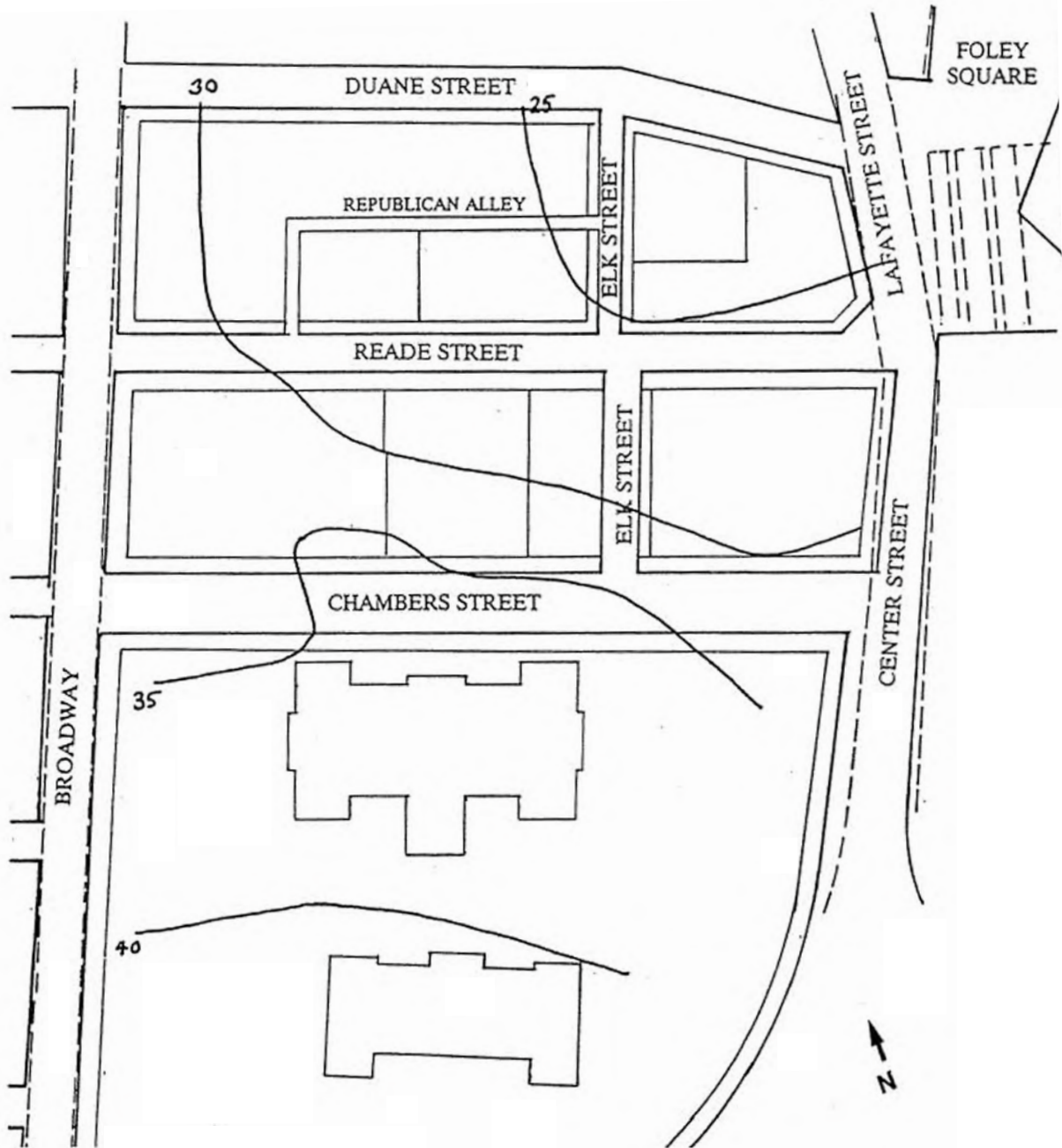


Figure 15. Map of the area of the African Burying Ground showing present contours.

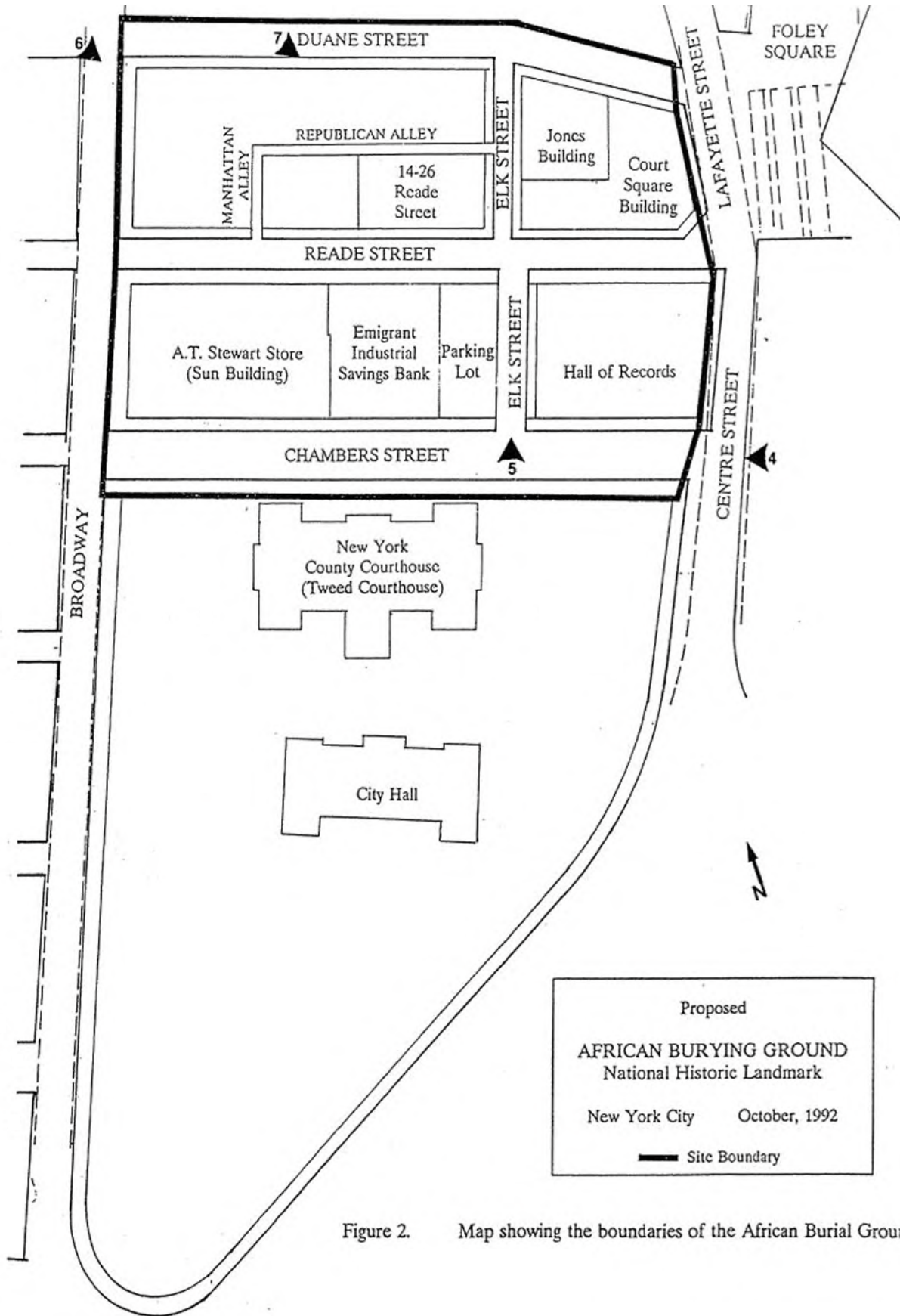


Figure 2. Map showing the boundaries of the African Burying Ground.

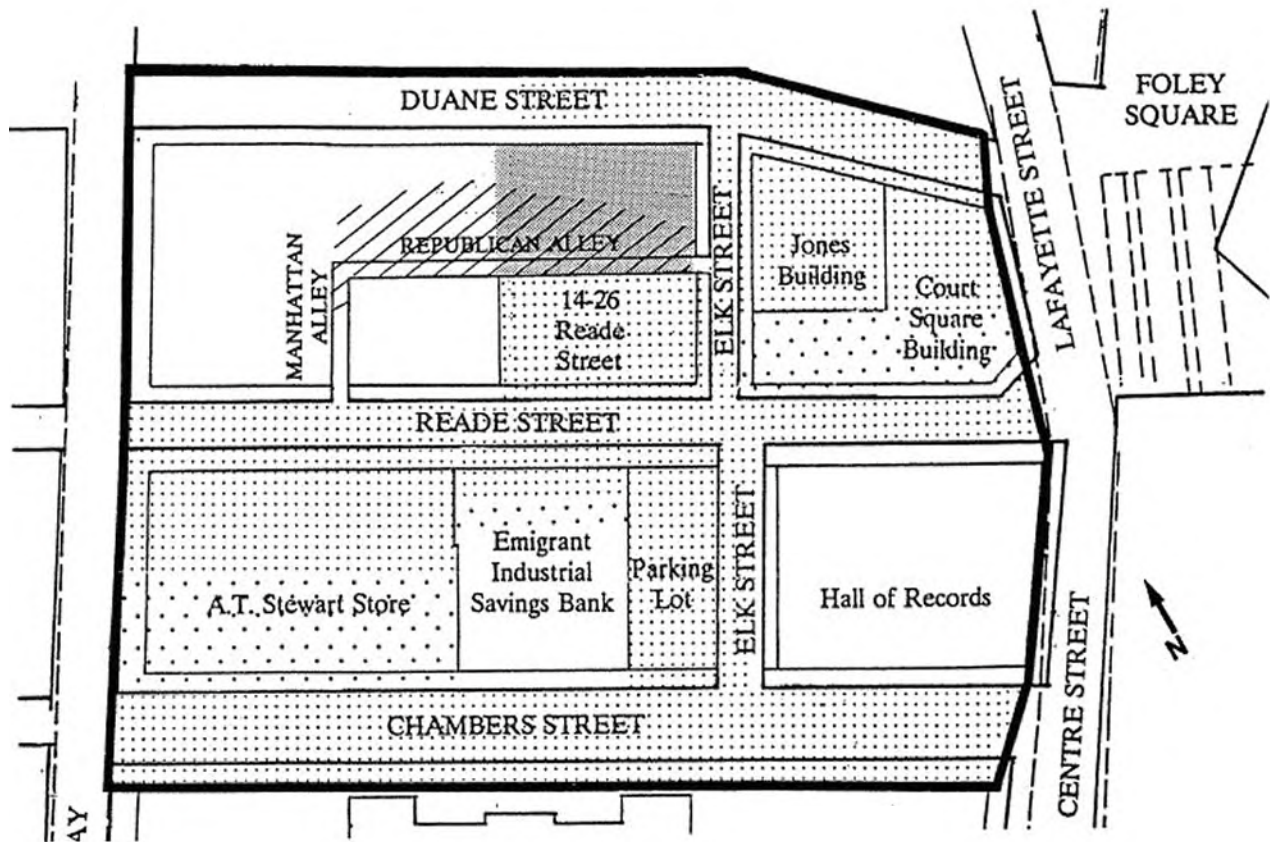





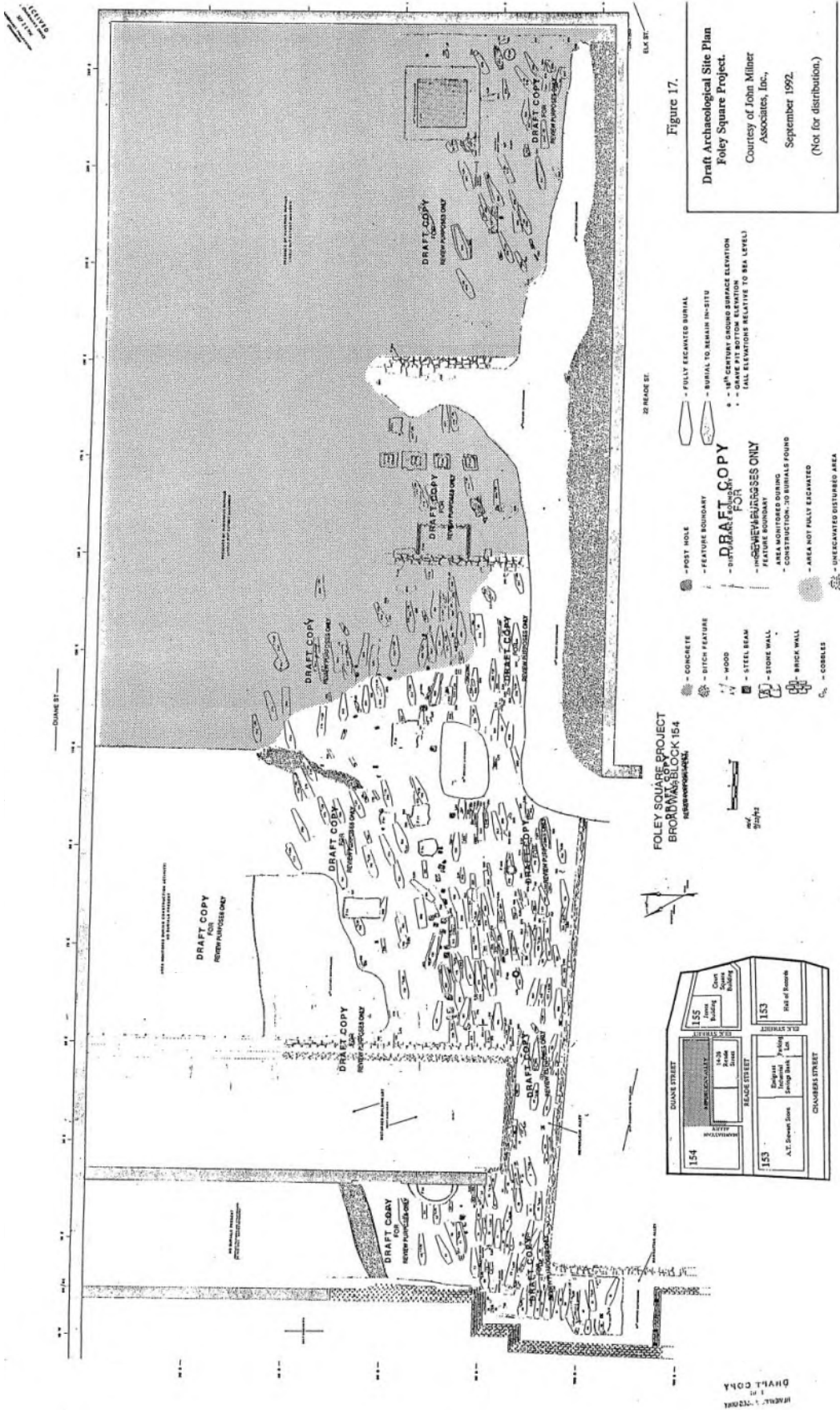


Figure 16. Plan showing sensitive areas of the African Burying Ground Site

-  area known to contain intact burials (Pavilion site)
-  areas most likely to contain intact burials
-  areas unlikely to contain intact burials
-  area excavated that has yielded information of major scientific importance
-  unshaded areas within the historic boundaries of the African Burying Ground (See Figures 9 and 12) but have no potential for preservation of intact burials

Note: Subway tunnels indicated with dashed line



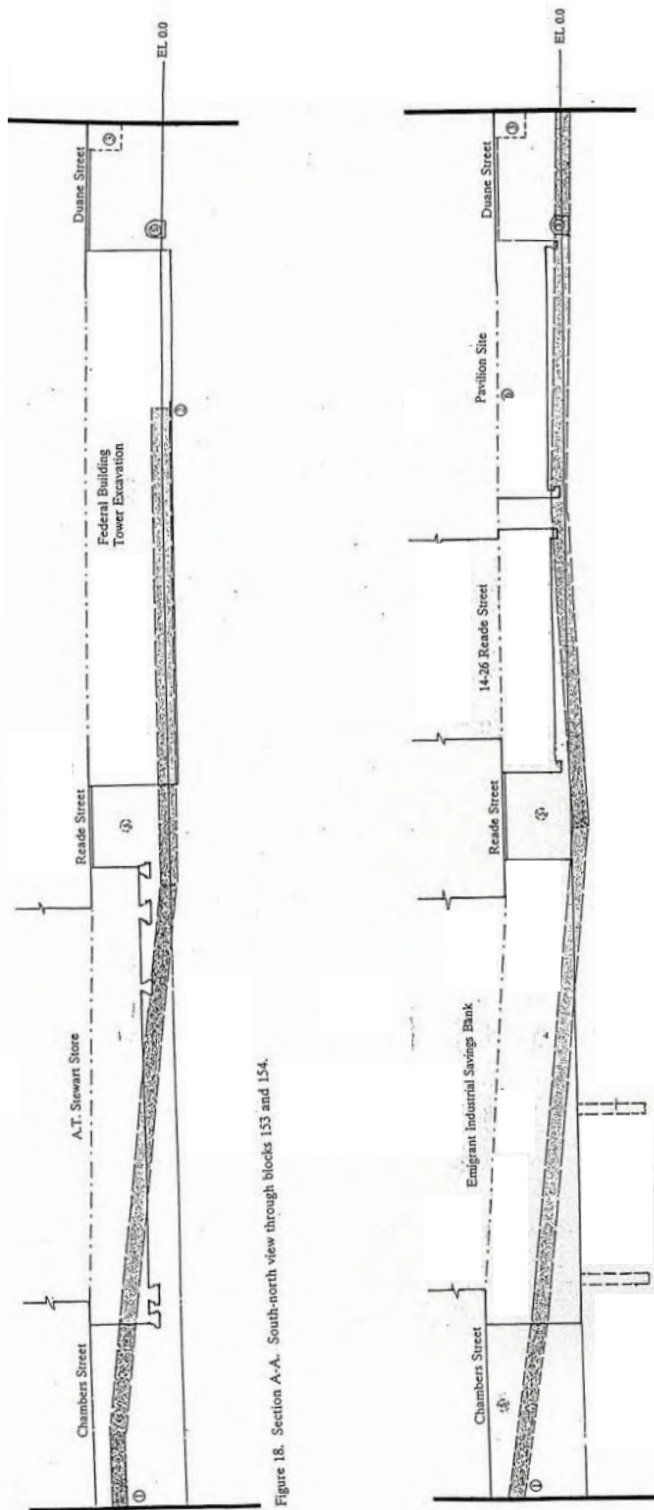
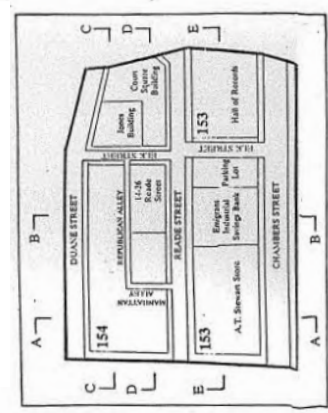
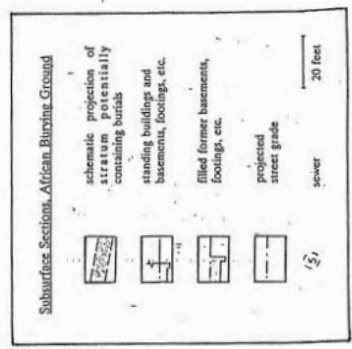


Figure 18. Section A-A. South-north view through blocks 153 and 154.

Figure 19. Section B-B. South-north view through blocks 153 and 154.



- Source:
 These sections are based on those provided by Edward Dorell Stone & Associates and Eggers & Higgins, Associated Architects to the New York City Department of Public Works (Capital Project NY-162, Manhattan Civic Center, 1970; borings logs provided by the City of New York, Department of Public Works Subsurface Exploration Section (Job No. 44, New York Civic Center, 1969); and the Draft Archaeological Site Plan (Figure 4).
- Notes:
1. As discussed in the text, the African Burial Ground is not thought to extend south of Chambers Street.
 2. Based on information from the archaeological site plan (Figure 4) and the known boundary of the Van Borsum patent, burials in this area probably did not extend further north than this.
 3. Buildings which formerly stood on the north side of Duane Street are presumed to have had vaults extending beneath the sidewalk.
 4. It is assumed the original ground surface sloped up toward Broadway in this area. Data from borings and building records indicate disturbances from former basements as deep as or deeper than current basement of tower building (under construction).
 5. Ground level when excavation commenced.
 6. Sections of former building basements are indicated for the "pavilion" area, even though this portion of the site has already been excavated. Approximately twenty feet of fill was removed in this part of the site during archaeological fieldwork. The north half of the "pavilion" site has been re-covered with soil, however, for a construction access ramp.
 7. Chambers Street curb level.
 8. A building stood on this lot before Elk Street was cut through from Chambers to Reade. It's filled basement is beneath the street bed. These basements for the Hall of Records extend beneath Elk Street (shown with dashed line).
 9. A vicininity of burials is not projected through this block. This location is thought to have been a hillside, graded in the late eighteenth or early nineteenth century. The hillside was probably obliterated and probably any burials in this area would have been destroyed at that time. Erosion of the deep sub-basement of the Hall of Records would have obliterated any that did survive.



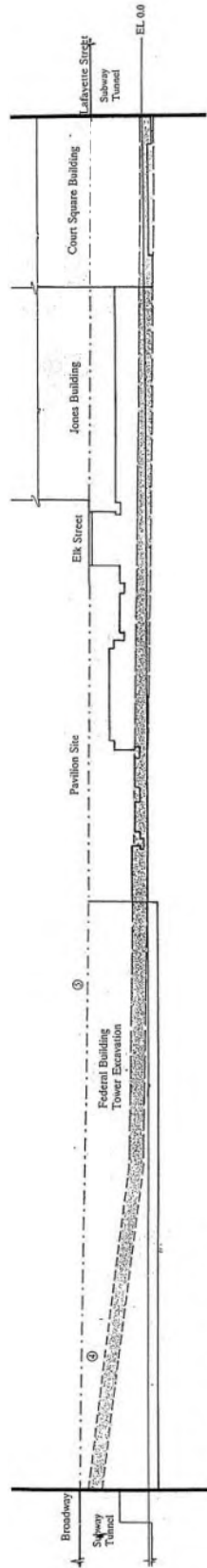


Figure 20. Section C-C. West-east view through blocks 154 and 155.

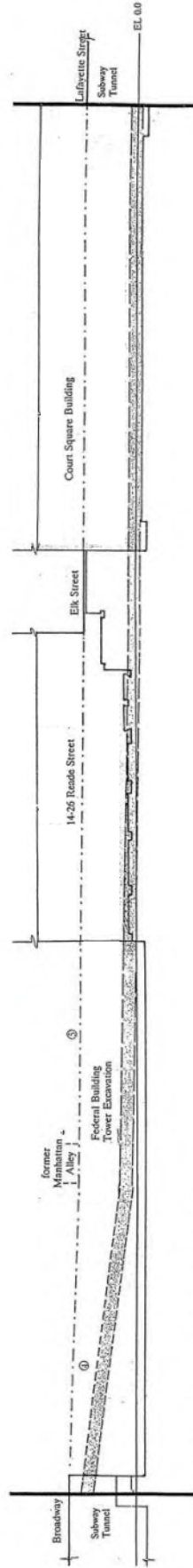


Figure 21. Section D-D. West-east view through blocks 154 and 155.

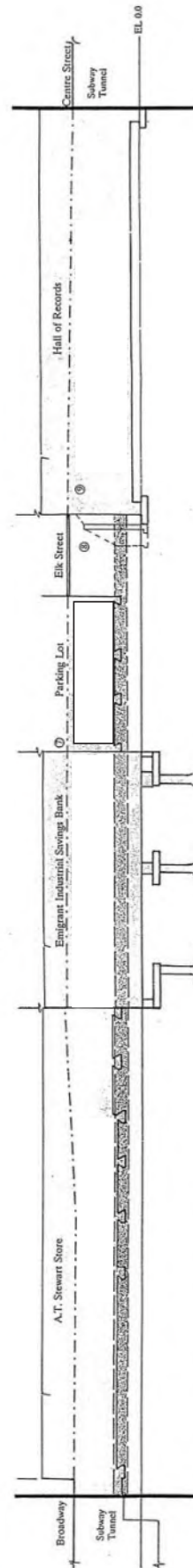


Figure 22. Section E-E. West-east view through block 153.

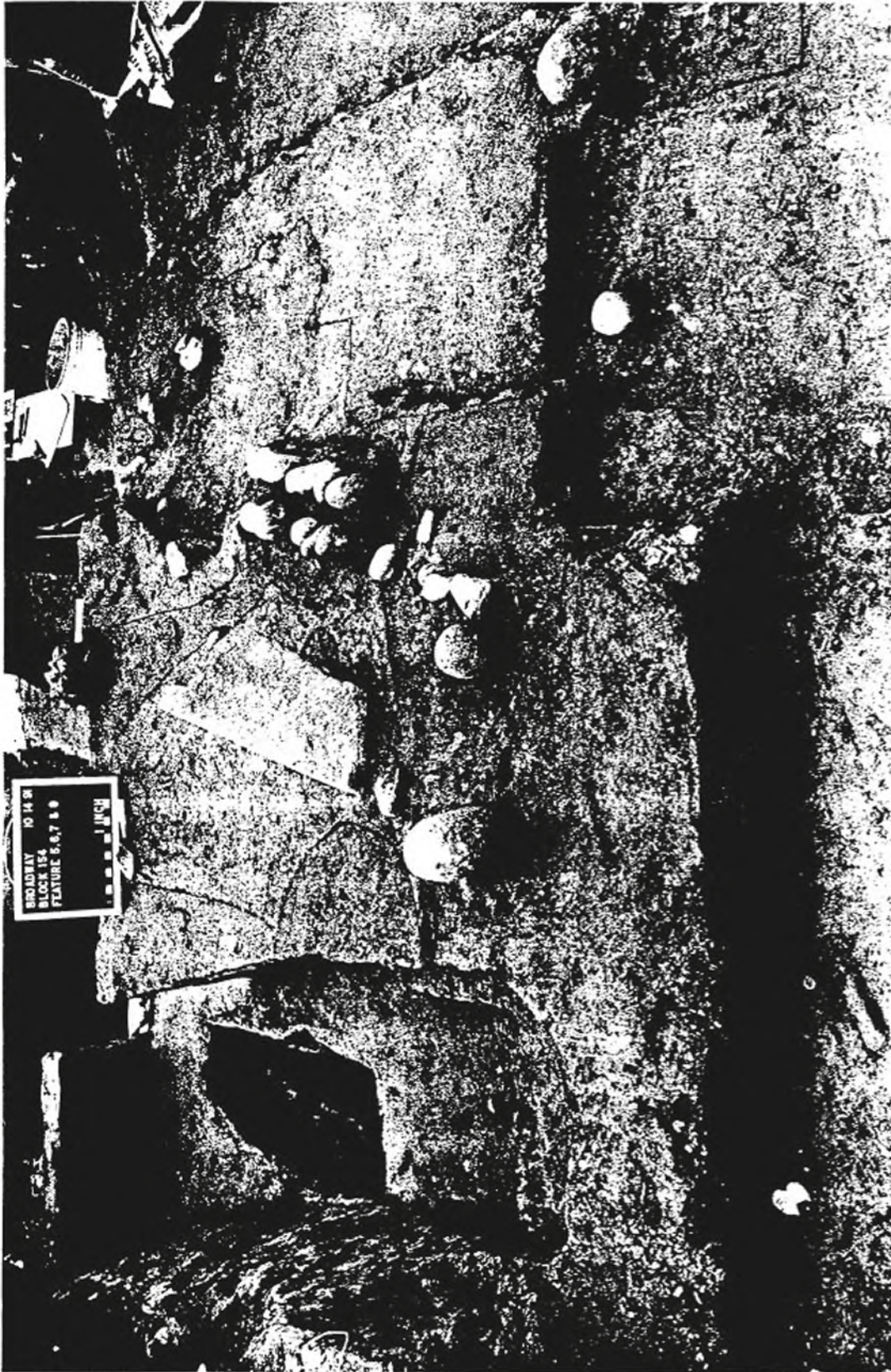


Figure 23. Headstone and cobbles marking graves. African Burying Ground National Historic Landmark, New York City. (Photograph: Dennis Seckler, 1992).



Figure 24. Remains of wood coffin. African Burying Ground National Historic Landmark, New York City. (Photograph: Dennis Seckler, 1992).

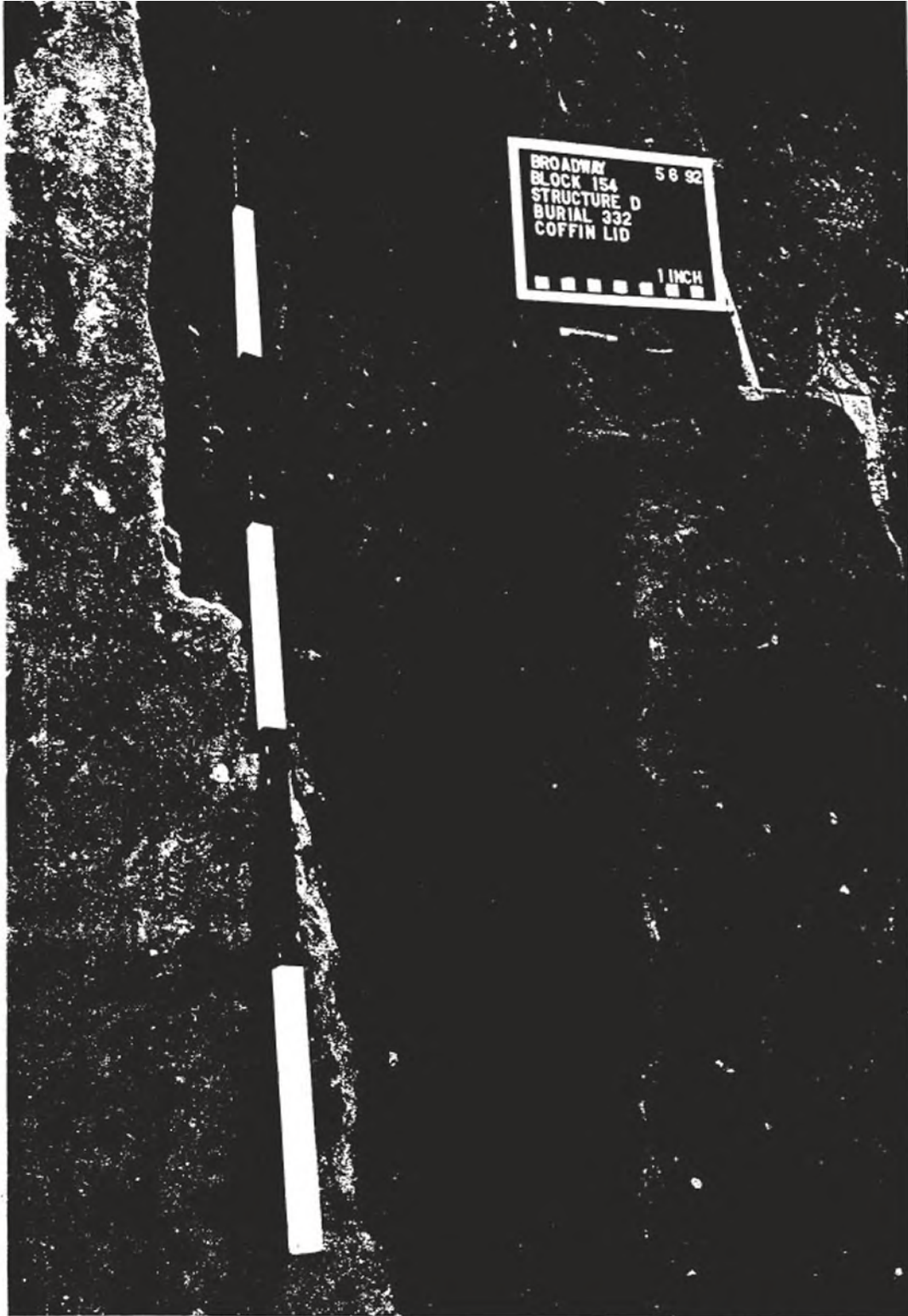


Figure 25. Tack-decorated coffin lid with initials "H W" and date "17[3]8." African Burying Ground National Historic Landmark, New York City. (Photograph: Dennis Seckler, 1992).



Figure 26. Remains of young child. African Burying Ground National Historic Landmark, New York City.
(Photograph: Dennis Seckler, 1992).

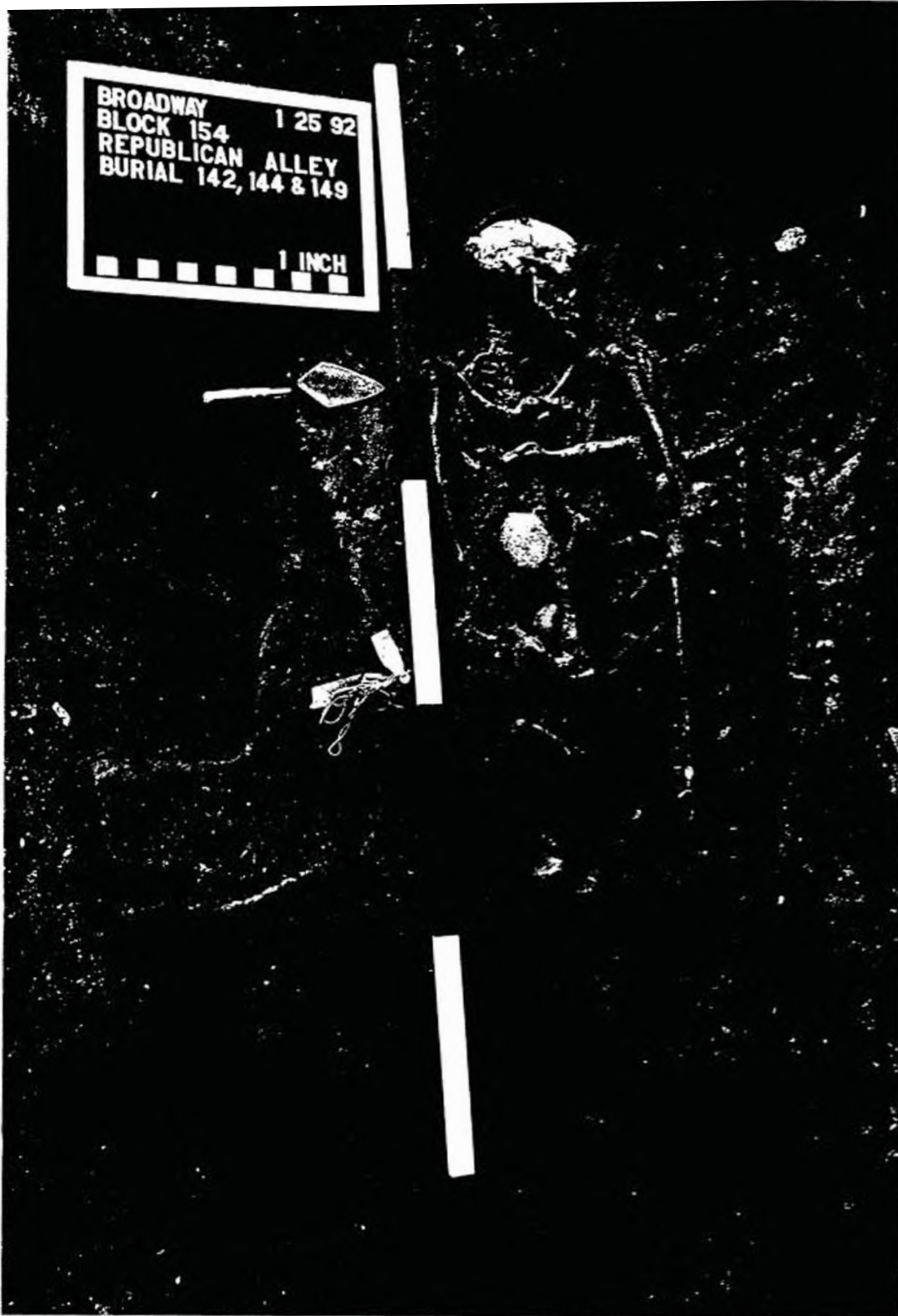


Figure 27. Grave with burial of a woman and two infants in separate coffins. African Burying Ground National Historic Landmark, New York City. (Photograph: Dennis Seckler, 1992).

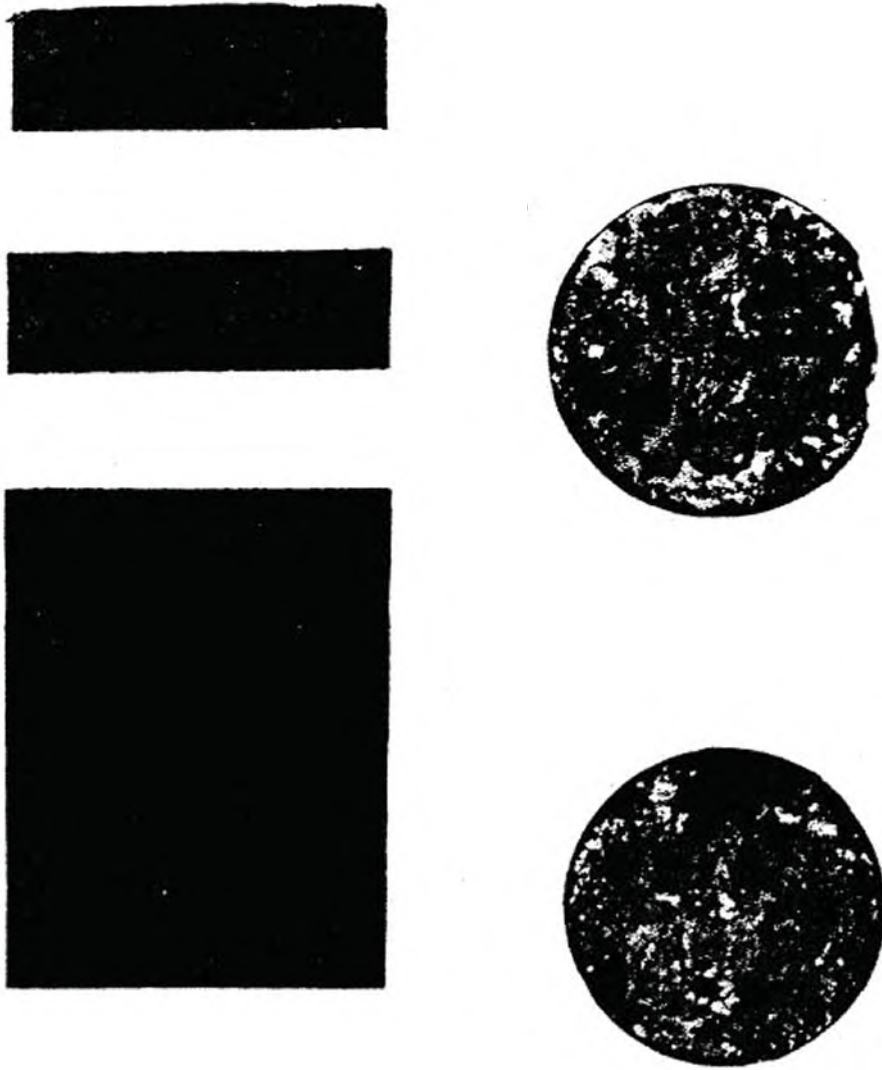


Figure 28. Gilt buttons with molded anchor design. African Burying Ground National Historic Landmark, New York City. (Photograph: Dennis Seckler, 1992).



Figure 29. Detail of remains of a woman wearing a girdle of glass beads and cowrie shells. African Burying Ground National Historic Landmark, New York City. (Photograph: Dennis Seckler, 1992).

Appendix B: Site Datum Points

List of Datum Points Used During Burial Excavations

Sub-Datum No.	Site Grid East	Site Grid South	Feet Below "A"	Elevation above Sea Level	Comments
011	10	90	11.18	16.32	
012	4.1	101.5	16.43	11.07	
013			16.12	11.38	
014			15.62	11.88	
014a	10.1	80.2	18.92	8.58	also labeled dp127
014b	4.7	85.6	19.92	7.58	also labeled dp128
015	21.9	94.4	16.86	10.64	
019	1.1	66.3	16.42	11.38	
025	13	93.4	19.12	8.38	
027	22.75	66.7	15.96	11.54	
032	38.4	86.9	20.09	7.41	
033	45.8	87	20.07	7.43	
034	50	95.5	20.32	7.18	
035	42.4	95.6	20.28	7.22	
036	34	94.9	20.41	7.09	
037	28	94.8	20.19	7.31	
038	63.2	96.7	21.52	5.98	
039			21.83	5.67	
040	75.2	97.2	21.96	5.54	
041	90.5	88.2	23.08	4.42	
041a	91.1	90.5	23.15	4.35	also labeled dp129
042			22.81	5.69	
043	68	65.8	23.34	4.16	
044			23.14	4.36	
045	47.4	61.2	23.07	4.43	
045a			22.93	4.07	also labeled dp130
046			26.22	1.28	
047	87.6	51.3	25.63	1.87	
048	67.8	58	25.11	2.39	
049	76.65	56.3	25.53	1.97	
050	89.5	64	24.01	3.49	
051			22.84	4.66	
052			23.01	4.49	
052a			23.01	4.49	same as 52
053			23.59	3.91	
054			23.56	3.94	
055			23.55	3.95	
056			23.3	4.2	

Sub-Datum No.	Site Grid East	Site Grid South	Feet Below "A"	Elevation above Sea Level	Comments
057			23.01	4.49	
058			22.74	4.76	
059	55.7	58.5	24.44	3.06	
060			24.58	2.92	
061	93.8	59	24.04	3.46	
062	100.4	59.3	24.25	3.25	
062a			26.16	1.34	also labeled dp131
063			24.7	2.8	
064			24.93	2.57	
064a			26.55	0.95	also labeled dp132
065			24.56	2.94	
066			24.2	3.3	
067	92.2	40	24.03	3.47	
068	84.8	39.9	24.39	3.11	
069	76.7	39.2	24.35	3.15	
070			24.21	3.29	
071			22.75	4.75	
072			22.83	4.67	
073			22.86	4.64	
074			22.9	4.6	
074a			23.76	3.74	also labeled dp133
075			23.03	4.47	
076			23.21	4.29	
077			23.3	4.2	
078			22.88	4.62	
079			23.1	4.4	
080			23.19	4.31	
080a			23.63	3.87	also labeled dp134
081			21.93	5.57	
082			22.48	5.02	
083			23.61	3.89	
084			24.01	3.49	
084a ^a			25.41	2.09	also labeled dp135
085			25.28	2.22	
086			24.01	3.49	
087			23.79	3.71	
088			23.64	3.86	
089			23.49	4.01	
090			23.28	4.22	

Sub-Datum No.	Site Grid East	Site Grid South	Feet Below "A"	Elevation above Sea Level	Comments
091			23.51	3.99	
092			23.75	3.75	
093			23.84	3.66	
094			23.96	3.54	
095			24.08	3.42	
096			23.64	3.86	
097			25.11	2.39	
098			23.6	3.9	
099			24.05	3.45	
100			24.76	2.74	
101			24.19	3.31	
102			24.31	3.19	
103			24.78	2.72	
104			24.19	3.31	
105			26.26	1.24	
106			25.32	2.18	
107			26.08	1.42	
108			24.98	2.52	
109			25.84	1.66	
110			25.67	1.83	
111			25.81	1.69	
112	169.2	59.1	25.45	2.05	
113	169.1	62.6	25.44	2.06	
114			25.43	2.07	
115	170.7	68.1	25.47	2.03	
116	168.8	69.7	25.54	1.96	
117			26.23	1.27	
118	170.7	75.1	26.15	1.35	
118a			26.65	0.85	also labeled dp136
119	150.5	76.3	26	1.5	
120			24	3.5	
121			26.05	1.45	
122			24.83	2.67	
123			26.08	1.42	
124			25.6	1.9	
125			25.45	2.05	
126			25.16	2.34	

^a Field book states 24.412 below A, but notes state 1.4' below 84.

Appendix C: Site Basic Burial Data

Basic Burial Data

Burial	Age			Sex	Temporal Group	Coffin		Artifacts			Position of Remains			Location				Dental Modification	Stature	Soil Analysis		Preservation	
	Age Category	Age-Low	Age-High			Age Group	Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East			Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL		Stratigraphic Series
B001	adult	20	25	20.0-24.9	female?	late	present	hexagonal	y			94	supine	undetermined	82.5	2	9.13	8.78	41			3.7	y
B002	adult	27	42	30.0-34.9	male	late	n/a	n/a				indeterminate			43.5	11			00				n
B003	adult	25	35	30.0-34.9	male	mid	n/a	n/a				indeterminate			107	2			00				n
B004	adult	30	40	35.0-39.9	male	lmid	n/a	n/a				indeterminate			86.5	11			01				n
B004A	adult	20	25	20.0-24.9	male?	lmid	n/a	n/a				indeterminate			86.5	11			01				n
B005	subadult	0.5	1	.50-0.99	undetermined	lmid	present	unidentified	y			90	indeterminate		86.5	9	8.17	7.83	01				y
B006	adult	25	30	30.0-34.9	male?	late	present	hexagonal	y	y		91	supine	resting on pelvis	87.5	15	6.98	6.48	01		y	5.3	y
B007	subadult	3	5	04.0-4.9	undetermined	lmid	present	hexagonal	y			105	supine	right at side	80.5	15	7.29	6.98	01			3	y
B008	infant	0	0.5	.00-0.49	undetermined	mid	present	hexagonal	y			101	n/a		82.5	5	6.58	6.58	41				y
B009	adult	35	45	40.0-44.9	male	mid	present	hexagonal				90	supine	both at sides	89.5	25	5.44	5.02	00		y		y
B010	adult	40	45	40.0-44.9	male	lmid	present	hexagonal		y		88	supine	both at sides	82.5	20	6.04	5.24	02		y	5.6	y
B011	adult	30	40	35.0-39.9	male?	lmid	present	hexagonal				90	supine	resting on pelvis	83.5	12	6.73	6.38	01			5.5	y
B012	adult	35	45	40.0-44.9	female	late	present	rectangle?	y			83	supine	both at sides	89.5	12	6.13	5.78	03A		y	4.9	y
B013	See Burial 43														103.5	-5	6.37	6.37	07				n/a
B014	infant	0	0.5	.00-0.49	undetermined	late	present	shared	y			89	supine	left at side	89.5	12	6.1	6.02	03A			1.7	y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location				Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL			Stratigraphic Series	Botanical Analysis	
B015	subadult	11	18	13.0-13.9	undetermined	late	present	unidentified					105	n/a		103.5	-5	7.27	7.17	07			n	
B016	adult	50	60	55+	female	mid	present	hexagonal	y				67	supine	both at sides	107	0	6.03	5.77	00			y	
B017	subadult	4	6	05.0-5.9	undetermined	mid	present	hexagonal	y				89	supine	both at sides	83.25	20	4.94	4.59	02			y	
B018	adult	35	45	40.0-44.9	female?	early	present	tapered					93	supine	both at sides	81.5	12	4.53	4.08	01		5.4	y	y
B019	subadult			subadult	undetermined	mid	present	unidentified	y				108	indeterminate		81.5	20	6.36	6.34	01			y	
B020	adult	45	50	45.0-49.9	male	mid	no coffin	no coffin	y					indeterminate		85	0	8.68	7.93	00		5.5		n
B021	subadult			subadult	undetermined	mid	present	rectangle						n/a		87.5	20	6.42	6.42	01				n
B022	subadult	2.5	4.5	03.0-3.9	undetermined	mid	present	unidentified	y				90	supine	resting on pelvis	96.5	-1.5	6.97	6.77	05		2.9		y
B023	adult	25	35	30.0-34.9	male	early	present	tapered	y				85	supine	resting on pelvis	87.5	8	5.48	4.93	42		y	5.6	y
B024	subadult	3	6	04.0-4.9	undetermined	mid	present	rectangle	y				92	supine	indeterminate	87.5	5	7.88	7.53	42				y
B025	adult	20	24	20.0-24.9	female	mid	present	unidentified					96	supine	resting on pelvis	87.5	20	6.07	5.64	01		5.2	y	y
B026	subadult	8	12	10.0 - 10.9	undetermined	early?	present	four-sided					78	supine	both at sides	83	20	3.74	3.29	02				y
B027	subadult	1.4	2.8	02.0-2.9	undetermined	mid	present	hexagonal	y				74	indeterminate		88.5	5	6.73	6.53	42				y
B028	subadult			subadult	undetermined	late	present	unidentified						indeterminate		83	-2	8.58	8.48	00				y
B029	adult	35	45	40.0-44.9	male?	early	present	tapered					82	supine	both at sides	97.5	0	3.92	3.47	05		5.3		y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B030	subadult	7	11	09.0-9.9	undetermined	mid	present	hexagonal	y				92	supine	both at sides	86	10	5.48	5.08	01				y	
B031	adult	14	16	15.0-19.9	undetermined	mid	present	hexagonal	y				90	supine	both at sides	103.5	-1	6.47	6.17	06				y	
B032	adult	50	60	55+	male	mid	present	hexagonal?	y	y?			100	supine	both at sides	86.5	23.5	5.74	4.79	01	5.2			y	
B033	adult			adult	undetermined	early	n/a	n/a					93	indeterminate		87.5	10	5.48	5.28	03A				n	
B034	adult			adult	undetermined	early	present	rectangle?						n/a		87.5	15	6.02	6.02	03A				n	
B035	subadult	8	10	09.0-9.9	undetermined	mid	present	hexagonal	y				93	supine	resting on pelvis	87.5	15	6.08	5.6	01	4.2			y	
B036	adult			adult	female	late	present	unidentified						indeterminate		87.5	-5	8.17	7.73	43				n	
B037	adult	45	55	50.0-54.9	male	late	present	hexagonal	y	y			102	supine	resting on pelvis	65	20	7.44	6.64	00	5.6			y	
B038	adult	12	18	15.0-19.9	female	early	present	tapered	y				90	supine	r. at side, l. on pelvis	86	10	5.18	4.93	01				y	
B039	subadult	5	7	06.0-6.9	undetermined	mid	present	hexagonal	y				82	supine	right at side	81.75	40	4.69	4.29	00	3.4			y	
B040	adult	50	60	55+	female	late	present	hexagonal	y				94	supine	l. at side, r. on pelvis	65	10	7.88	7.43	00	5.3		y	y	
B041	adult			adult	undetermined	mid	present	unidentified					66	n/a		99.5	-11	7.57	7.27	00				n	
B042	infant	0	2	.00-0.49	undetermined	lmid	present	hexagonal					76	supine	both flexed at sides	91.5	45	4.92	4.82	09	1.8			y	
B043	subadult	2.5	4.5	03.0-3.9	undetermined	lmid	present	four-sided?	y				90	supine	both at sides	105	-7	6.42	6.98	07				y	
B044	subadult	3	9	06.0-6.9	undetermined	early?	present	four-sided						indeterminate		85.5	21.5	5.54	5.54	01				y	

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation	
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis		
B045	subadult	2.5	4.5	03.0-3.9	undetermined	mid	present	hexagonal	y				86	supine	both at sides	103.5	-5	6.77	6.37	06	y					y
B046	adult			adult	female?	mid	present	unidentified	y				86	supine	both at sides	95.5	0	5.27	5.07	05						y
B047	adult	35	45	40.0-44.9	male	mid	present	hexagonal?					94	supine	resting on pelvis	103.5	0	6.42	4.96	06			y			y
B048	adult			adult	undetermined	early	present	tapered		y			97	supine	crossed right over left	87.5	20	4.89	4.64	01						y
B049	adult	40	50	45.0-49.9	female	mid	present	hexagonal	y				82	supine	other	87.5	40	3.76	3.16	00				5.1		y
B050	subadult			subadult	undetermined	mid	present	hexagonal					90	supine	left flexed	87.5	30	5.81	5.56	29						y
B051	adult	24	32	25.0-29.9	female	late	present	hexagonal					118	supine	resting on pelvis	75	10	8.58	7.91	00				5.4		y
B052	undetermined			undetermined	undetermined	early	present	rectangle					18	indeterminate		87.5	25	4.69	4.34	01						n
B053	subadult	0.25	0.75	.50-0.99	undetermined	mid	present	hexagonal	y				90	supine	left flexed	87.5	0	7.85	7.53	03B				2		y
B054	adult			adult	undetermined	mid	present	unidentified					90	supine		92	-4	7.63	6.88	04						n
B055	subadult	3	5	04.0-4.9	undetermined	mid	present	hexagonal	y				93	supine	other	92.2	0	7.65	7.26	03B				3.1		y
B056	adult	30	34	30.0-34.9	female	mid	present	hexagonal?	y				90	supine	resting on pelvis	90.5	17	5.64	5.11	03A				5.2		y
B057	subadult	0.88	2.16	01.0-1.9	undetermined	mid	present	hexagonal	y				90	indeterminate		87.5	25	5.27	5.27	29						y
B058	subadult	3.5	4.5	04.0-4.9	undetermined	late	present	rectangle	y				93	supine	resting on pelvis	65	15	7.42	6.85	00				3.3		y
B059	infant	0	0.25	.00-0.49	undetermined	late	present	hexagonal	y				90	indeterminate		63	15	6.58	6.4	00						y

Burial	Age			Sex	Temporal Group	Coffin		Artifacts			Position of Remains			Location				Dental Modification	Stature	Soil Analysis		Preservation	
	Age Category	Age-Low	Age-High			Age Group	Coffin	Coffin Shape	Plin	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East			Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL		Stratigraphic Series
B060	subadult	0.25	0.75	.50-0.99	undetermined	Imid	present	four-sided?	y				95	supine		93.5	0	7.73	7.28	04			y
B061	undetermined			undetermined	Imid	present	unidentified					82	indeterminate		87.5	45	5.53	5.53	09			n	
B062												n/a							n/a			n/a	
B063	adult	35	45	40.0-44.9	male	late	present	hexagonal	y			91	supine l. at side, r. on pelvis		70	15	7.12	6.72	00			y	
B064	subadult	0.38	0.88	.50-0.99	undetermined	Imid	present	hexagonal	y			82	supine both flexed at sides		92.5	45	5.25	5.05	09			y	
B065	infant	0	0.49	.00-0.49	undetermined	late	present	hexagonal?	y			90	indeterminate		75	10	8.58	8.58	44			y	
B066	infant	0	0.16	.00-0.49	undetermined	mid	present	unidentified				90	indeterminate		93.5	25	5.23	5.23	29			y	
B067	adult	40	50	45.0-49.9	male	Imid	present	unidentified	y			88	supine resting on pelvis		94	0	7.28	5.88	04			y (no cranium)	
B068	adult	21	25	20.0-24.9	male	early	present	tapered				87	supine resting on pelvis		91	3.5	5.93	5.63	03B		y	y	
B069	adult	30	60	adult	male	mid	present	hexagonal?				82	supine resting on pelvis		89	-3.5	6.53	5.78	03B			y (no cranium)	
B070	adult	35	45	40.0-44.9	male	mid	present	hexagonal				90	supine resting on pelvis		92.5	10	5.98	5.79	03A			y (no cranium)	
B071	adult	25	35	30.0-34.9	female	late	present	hexagonal	y	y		102	supine resting on pelvis		75	10	7.86	7.36	44			y	
B072	subadult	1	2	01.0-1.9	undetermined	early?	present	rectangle	y			90	indeterminate		87.5	34	6.29	5.94	08			y	
B073	adult	20	30	25.0-29.9	female?	mid	present	hexagonal	y			96	supine both at sides		79	10	7.28	6.82	41		y	y	
B074	n/a			n/a	n/a	mid	present	hexagonal				97	n/a		80	15	5.73	5.13	39			n (empty coffin)	

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location				Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL			Stratigraphic Series	Botanical Analysis	
B075	infant	0	0	.00-0.49	undetermined	mid	present	rectangle	y				97	indeterminate		92.5	34	5.99	5.99	00				y
B076	adult	25	55	40.0-44.9	male	late	no coffin	no coffin					112	supine		75	10	8.33	8.08	44				y
B077	subadult	0.67	1.3	01.0-1.9	undetermined	mid	present	hexagonal					110	indeterminate		88.5	35	5.26	5.26	08				y
B078	adult	16	19	15.0-19.9	undetermined	early	present	tapered	y				64	supine	left at side	91	10	4.31	3.91	03A				y
B079	subadult	0.25	0.75	.50-0.99	undetermined	mid	present	tapered	y				90	indeterminate		82	6	7.88	7.78	41				y
B080	subadult			subadult	undetermined	mid	present	hexagonal					88	indeterminate		87.5	40	3.61	3.61	00				y
B081	adult			adult	female	mid	present	unidentified	y				90	supine	resting on pelvis	93	-3	6.93	5.73	04				y (no cranium)
B082	adult	18	25	20.0-24.9	female	mid	present	unidentified	y				86	supine		93	3	6.03	5.9	03B				y (cranium only)
B083	subadult			subadult	undetermined	early?	present	rectangle					95	indeterminate		87.5	31	5.53	5.53	08				y
B084	adult	17	21	15.0-19.9	female	early	present	four-sided	y				89	supine	indeterminate	87.5	35	4.45	4.26	08				y
B085	subadult	0.25	0.75	.50-0.99	undetermined	mid	present	hexagonal	y				89	indeterminate		80.5	15	6.79	6.71	39				y
B086	subadult	6	8	07.0-7.9	undetermined	late	present	hexagonal	y				91	supine	both at sides	74	18	7.89	7.52	00				y
B087	subadult	4	6	05.0-5.9	undetermined	mid	present	unidentified	y				90	indeterminate		94	3	6.88	6.88	00				y (cranium only)
B088	undetermined			undetermined	undetermined	early	possible	unidentified					81	n/a		93.5	-4	6.36	5.28	04				n
B089	adult	50	60	55+	female	lmid	present	hexagonal	y				92	supine	both at sides	90.5	48	4.8	4.05	10				y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation		
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis			
B090	adult	35	40	35.0-39.9	female	mid	present	hexagonal	y				90	supine	resting on pelvis	81.5	4	6.81	6.27	41							y
B091	subadult	0.67	1.3	01.0-1.9	undetermined	lmid	present	hexagonal	y				84	supine	both at sides	95	48	4.95	4.7	00		2.4					y
B093	adult			adult	undetermined	mid	present	unidentified					n/a	n/a		85	-3	6.98	6.93	43							n
B094	subadult			subadult	undetermined	mid	present	hexagonal	y				80	n/a		92.5	47	4.75	4.58	09							y
B095	subadult	7	12	09.0-9.9	undetermined	late	present	hexagonal	y				76	supine	other	94.5	51	4.85	4.48	09		3.8					y
B096	adult	16	18	15.0-19.9	male	mid	present	hexagonal					71	supine	both at sides	94.5	47	5.33	4.43	09		5.3					y
B097	adult	40	50	45.0-49.9	male	late	present	hexagonal	y				97	supine	both at sides	81	20	6.73	6.18	51		5.3					y
B098	subadult	1	2	01.0-1.9	undetermined	mid	present	hexagonal					90	indeterminate		81	20	6.23	6.13	51							y
B099	subadult	6	10	08.0-8.9	undetermined	late	present	unidentified	y				78	indeterminate		91.5	70	4.92	3.67	11							y
B100	subadult			subadult	undetermined	mid	present	hexagonal					90	indeterminate		80.5	20	5.44	5.44	51							y
B101	adult	26	35	30.0-34.9	male	lmid	present	hexagonal	y				78	supine	both at sides	88.5	49	4.32	3.89	00		y	5.8				y
B102	subadult	1.33	2.67	02.0-2.9	undetermined	mid	present	hexagonal	y				90	indeterminate		79.5	20	5.93	5.93	00							y
B103	subadult			subadult	undetermined	mid	present	hexagonal	y				86	supine		79.5	20	5.83	5.53	00							y
B104	adult	30	40	35.0-39.9	female	mid	present	hexagonal	y				77	supine	resting on pelvis	89.5	61	3.89	3.71	30							y
B105	adult	35	45	40.0-44.9	male	lmid	present	hexagonal					89	supine	indeterminate	95	60	4.37	4.32	11A							y

Burial	Age			Sex	Temporal Group	Coffin		Artifacts			Position of Remains			Location				Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High			Age Group	Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East			Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	
B106	adult	25	35	30.0-34.9	female?	Imid	present	hexagonal				92	supine	both at sides	90.5	71	3.85	3.44	11			y
B107	adult	35	40	35.0-39.9	female	Imid	present	hexagonal	y			93	supine	left at side	90	48	3.94	3.48	10	y		y
B108	subadult	0.25	0.75	.50-0.99	undetermined	Imid	present	hexagonal	y			68	supine	both at sides	87	53	5.4	5.2	00			y
B109	subadult	0.67	1.33	0.10-1.9	undetermined	Imid	present	hexagonal	y			126	indeterminate		90.5	54	4.32	4.26	10			y
B110	infant	-	0.17	.00-0.49	undetermined		n/a	n/a				73	indeterminate		90	78	5.33	4.94	11B			n
B111	subadult	0.67	1.33	0.10-1.9	undetermined	mid	present	four-sided?	y			73	indeterminate		91.5	53	4.87	4.83	10			y
B112	subadult	0.25	0.75	.50-0.99	undetermined	mid	present	unidentified	y				indeterminate		89	82.5	4.52	4.52	00			y
B113	adult			adult	undetermined	mid	present	unidentified				85	indeterminate	indeterminate	91.5	60	3.62	3.44	30			y
B114	adult	45	50	45.0-49.9	male	mid	present	hexagonal				100	supine	resting on pelvis	94.5	91	3.79	3.26	00	y	5.8	y
B115	adult	25	35	30.0-34.9	female	mid	present	hexagonal	y			94	supine	both at sides	89.5	89	3.81	3.53	12	y	5	y
B116	adult	45	55	50.0-54.9	male	mid	present	hexagonal	y			100	supine	resting on pelvis	95.5	81.5	3.64	3.54	13			y
B117	infant	0	0	.00-0.49	undetermined	late	n/a	n/a					indeterminate		91.5	77	4.14	4.04	11		1.6	n/a
B118	adult			adult	undetermined	mid	present	unidentified					n/a		94.5	55	4.18	4.18	11A			n
B119	adult	35	45	40.0-44.9	male	Imid	present	hexagonal	y			93	supine	r. at side, l. on pelvis	88.5	72	3.79	3.39	11			y
B120	adult	25	34	30.0-34.9	female	early	present	tapered				93	supine	indeterminate	88.5	70	3.54	3.26	11			y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification		Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Plin	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series	Stature	Botanical Analysis	Pollen Analysis		
B121	subadult	2.5	4.5	03.0-3.9	undetermined	early	present	tapered	y				98	supine			86	70	4.19	3.9	11				y
B122	adult	18	20	15.0-19.9	female	mid	present	hexagonal	y				86	supine	crossed left over right		93	61	3.53	2.96	30		5.1	y	y
B123	subadult	0.67	1.33	01.0-1.9	undetermined	mid	present	hexagonal?	y				96	indeterminate			89.5	80	4.04	4.04	11B				y
B124	adult				undetermined		present	unidentified						n/a			91.5	95	5.09	4.55	14				n
B125	adult				female?	late	present	unidentified					89	n/a			64.5	52	3.96	3.75	00				n
B126	subadult	3.5	5.5	04.0-4.9	undetermined	mid	present	hexagonal	y				110	supine	indeterminate		88	80.5	3.4	3.04	11B				y
B127	subadult	0.67	1.33	01.0-1.9	undetermined	mid	present	hexagonal	y				94	indeterminate			90	95	3.71	3.71	14				y
B128	infant	0	0.17	.00-0.49	undetermined	mid	present	hexagonal	y				89	supine	right at side		92.5	83	3.45	3.55	11B				y
B129	n/a			n/a	n/a	mid	present	unidentified					97	n/a			91.5	95	4.54	3.54	14				n (empty coffin)
B130	subadult	1	2	01.0-1.9	undetermined	mid	present	hexagonal	y				89	supine	l. at side, r. on pelvis		92	56	3.27	3.19	00				y
B131	subadult			subadult	undetermined	late	present	unidentified	y				90	n/a			91.5	76.5	3.83	3.83	11				n
B132	adult	25	30	25.0-29.9	male	late	present	hexagonal					98	supine	crossed left over right		64.5	61.5	4.01	3.58	00			y	y
B133	subadult	1	2	01.0-1.9	undetermined	mid	present	hexagonal	y				76	supine	both flexed at sides		96	78	4.06	3.62	13			y	y
B134	adult	40	50	45.0-49.9	female	late	present	hexagonal	y				106	supine	resting on pelvis		62.5	85	2.23	1.8	19			y	y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B135	adult	30	40	35.0-39.9	male	late	present	hexagonal						100	supine	resting on pelvis	70	70	2.81	2.32	00	y		y	
B136	subadult			subadult	undetermined	mid	present	unidentified	y						indefinite		95	86.7	4.09	4.09	00			y	
B137	adult	25	35	30.0-34.9	undetermined	late	present	unidentified						100	indefinite		63	75	3.86	3.41	18			y	
B138	subadult	3	5	04.0-4.9	undetermined	late	present	rectangle				y		98	supine	both at sides	67.5	86	4.13	3.73	00		3.3	y	
B142	adult	25	30	30.0-34.9	female	mid	present	hexagonal						95	supine	l. flexed, r. at side	88	90	4.05	3.61	12			y	
B143	subadult	6	10	08.0-8.9	undetermined	mid	present	hexagonal	y					111	supine	indefinite	88	80.5	3.11	2.92	11B			y	
B144	infant	0	0.17	.00-0.49	undetermined	mid	present	four-sided	y					99	indefinite		88	90	3.8	3.6	12			y	
B145	n/a			n/a	n/a	lmid	present	hexagonal						95	n/a		73.5	74	4.93	3.74	15B			n (empty coffin)	
B146	infant	0	0	.00-0.49	undetermined	lmid	present	hexagonal	y					102	supine	resting on pelvis	73.5	74.5	4.72	4.65	15B			y	
B147	adult	55	65	55+	male	late	present	hexagonal	y				y	81	supine	resting on pelvis	70.5	56.5	3.88	3.42	00	y		y	
B148	adult	12	18	15.0-19.9	undetermined	mid	present	hexagonal	y					93	supine	both at sides	91.5	70	3.27	2.95	11			y	
B149	subadult	0.5	1	.50-0.99	undetermined	mid	present	four-sided	y					97	supine	right flexed	88	90	3.85	3.67	12			y	
B150	adult	20	28	20.0-24.9	female	late	no coffin	no coffin						117	supine	resting on pelvis	70.5	80	4.43	3.88	16			y	
B151	adult	35	45	40.0-44.9	male	late	present	hexagonal	y					138	supine	both at sides	67.5	83	3.84	3.14	16	y		y	

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B152	undeter-mined			undeter-mined	late	present	unidenti-fied						110	n/a		55.5	67	1.9	1.72	00			n		
B153	adult			female?	late	present	hexago-nal	y				111	supine	both at sides	54.5	74	1.48	1.17	00			y			
B154	adult	25	29	25.0-29.9	mid	present	hexago-nal	y			88	supine	resting on pelvis	95.5	75	3.43	2.98	13		y		y			
B155	adult			undeter-mined	early	present	four-sided				92	supine	right at side	92	75	3.14	2.89	11		y		n			
B156	adult	30	60	adult	mid	present	unidenti-fied					n/a		66.5	115	2.35	2.09	33				y			
B157	adult			undeter-mined	late	n/a	n/a					inde-termi-nate		53.5	81.5	1.87	1.65	00				n			
B158	adult	20	30	25.0-29.9	late	no coffin	no coffin		y		111	supine	resting on pelvis	63	92	2.17	1.46	00				y			
B159	adult	25	35	30.0-34.9	mid	present	hexago-nal	y			89	supine	both at sides	73.5	90	3.43	3.02	54				y			
B160	subadult	3.5	5.5	04.0-4.9	mid	present	four-sided	y			93	inde-termi-nate		73	98.5	3.1	2.95	22				y			
B161	subadult			subadult	mid	present	rectangle				83	n/a		74.5	90			54				y			
B162	adult	35	45	40.0-44.9	late	present	unidenti-fied				109	supine	both at sides	55	51.5	2.31	2	00				n			
B163	adult	18	24	20.0-24.9	mid	present	hexago-nal				89	supine	r. at side, l. on pelvis	74.5	99	2.18	1.87	22				y			
B164	subadult	8	13	10.0 - 10.9	late	present	tapered				97	supine	other	52.5	91	1.47	1.31	31				y			
B165	adult			adult	late	no coffin	no coffin		y		108	supine	resting on pelvis	62.5	73			18			y	y			
B166	subadult	0.5	1	.50-0.99	late	present	rectangle	y			111	supine	resting on pelvis	55.5	92.5	2.1	1.94	00				y			

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location				Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL			Stratigraphic Series	Botanical Analysis	
B167	subadult	8.5	12.5	10.0 - 10.9	undetermined	mid	present	hexagonal	y				99	supine	both flexed at sides	86.5	65	2.56	2.13	00			y	
B168	adult			adult	male	lmid	n/a	n/a				90	indeterminate			95.5	68.5	4.87	4.58	11			n	
B169	subadult	5.5	9.5	07.0-7.9	undetermined	mid	present	hexagonal?	y			114	supine	both at sides	91.5	81	2.67	2.15	11B			y		
B170	subadult	7	11	09.0-9.9	undetermined	late	present	unidentified				90	n/a			96	65	4.33	3.74	11			y (no cranium)	
B171	adult	44	60	50.0-54.9	male	late	present	hexagonal	y	y		114	supine	resting on pelvis	53.5	99.5	1.05	0.57	00			y		
B172	adult	25	35	30.0-34.9	female	late	no coffin	no coffin				118	supine	crossed left over right	40.5	88	1.61	1.14	00			y		
B173	subadult	0.25	0.75	.50-0.99	undetermined	late	present	rectangle	y			121	indeterminate			57	101	0.55	0.45	00			y	
B174	adult	17	18	15.0-19.9	male	late	present	hexagonal	y	y		115	supine	both at sides	60.5	90	2.31	1.91	19			y		
B175	adult	24	28	25.0-29.9	male	mid	present	unidentified	y				indeterminate			72	64.5	4.44	3.22	34			n	
B176	adult	20	24	20.0-24.9	male	lmid	present	hexagonal	y			103	supine	left flexed		74.5	65.5	3.1	2.77	17			y	
B177	adult	30	60	45.0-49.9	undetermined	early	present	tapered	y			88	supine	both at sides		91.5	80	2.23	1.94	11B			y	
B178	adult			adult	male	late	n/a	n/a					indeterminate			62	57	4	3.81	00			n	
B179	adult	25	30	25.0-29.9	male	late	present	hexagonal	y			110	supine	resting on pelvis	46.5	98	-0.3	-0.86	00			y		

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B180	subadult	11	13	12.0 - 12.9	undetermined	late	present	hexagonal	y				111	supine	both at sides	50	97.5	0.12	-0.3	00				y	
B181	adult	20	23	20.0 - 24.9	male	late	no coffin	no coffin	y				86	supine		66	115	2.23	0.14	33				y	
B182	subadult	7.5	12.5	10.0 - 10.9	undetermined	early	present	tapered					102	supine	right flexed	94	69	3.81	3.42	11				y	
B183	subadult	0.63	1.13	.50-0.99	undetermined	late	present	hexagonal	y					indefinite		50	113.5	0.33	0.17	00				y	
B184	subadult	1	1.5	01.0-1.9	undetermined	late	present	four-sided					121	supine	right at side	52	108.5	0.44	0.35	00				y	
B185	adult	21	23	20.0-24.9	male	late	no coffin	no coffin						supine		54.5	122	0.85	0.5	53				y	
B186	infant	0	0.17	.00-0.49	undetermined	late	present	hexagonal	y		y?		124	supine	right flexed	47.5	110	0.09	-0.14	00				y	
B187	subadult	1.5	4	02.0-2.9	undetermined	late	present	hexagonal	y		y		112	supine	both at sides	52.5	119.5	0.94	0.62	00			y	y	
B188	adult	26	32	25.0-29.9	undetermined	late	n/a	n/a					95	indefinite		58.5	52.5	3.85	3.43	00				n	
B189	adult			adult	undetermined	mid	present	unidentified	y				90	indefinite		95.5	65.5	3.42	3.38	11				n	
B190	subadult	0.38	0.88	.50-0.99	undetermined	late	present	hexagonal	y				112	supine	both flexed at sides	55	100.5	0.57	0.32	00				y	
B191	adult	25	30	25.0-29.9	male	late	no coffin	no coffin	y		y		109	supine	resting on pelvis	56.5	87.5	1.83	1.33	00			y	y	
B192	adult	40	60	50.0-54.9	female	late	present	hexagonal	y				116	supine	crossed right over left	67	101.5			21		y		y	
B193	adult	30	48	35.0-39.9	male	late	no coffin	no coffin					109	supine	left flexed	65.5	101.5			21				y	

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation	
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis		
B194	adult	30	40	35.0-39.9	male	late	present	hexagonal	y				104	supine	resting on pelvis	84	0.95	0.41	00	y			y			
B195	adult	30	40	35.0-39.9	female	late	present	hexagonal	y			100	supine	resting on pelvis	63			15A							y	
B196	adult	20	24	20.0-24.9	undetermined	late	present	hexagonal	y			90	n/a			56	4.14	3.7	23B							y
B197	adult	45	55	50.0-54.9	female	late	present	hexagonal		y		77	supine	both at sides	76	57.5	4.05	17								y
B198	subadult			subadult	undetermined	mid	present	four-sided				113	indeterminate		86.5	3.61	3.61	11B								y
B199	adult	30	40	35.0-39.9	female	late	no coffin	no coffin	y			112	supine	resting on pelvis	80	3.39	2.74	15B								y
B200	adult			adult	male	early	present	four-sided				98	supine	resting on pelvis	77	3.57	3.09	15B								y
B201	subadult	1.5	3.5	02.0-2.9	undetermined	late	present	rectangle	y			101	supine		59.5	70.5	3.25	00								y
B202	adult	12	18	15.0-19.9	female?	early	present	tapered				108	supine	resting on pelvis	85.5	70	3.4	11								y
B203	adult	12	18	15.0-19.9	undetermined	late	present	hexagonal	y			83	supine	resting on pelvis	59	77	4.04	00								y
B204	adult			adult	female?	late	n/a	n/a					indeterminate		77.5	98	3.81	22								n
B205	adult	18	20	15.0-19.9	female	late	present	hexagonal	y			108	supine	both at sides	59.5	102	0.41	00								y
B206	subadult			subadult	undetermined	mid	present	rectangle				n/a			75.5	93	3.31	54								y
B207	adult	25	35	30.0-34.9	female?	late	present	tapered				93	supine	resting on pelvis	78.5	95	3.76	22								y
B208	subadult	0.5	1	.50-0.99	undetermined	late	present	unidentified				n/a			77	96	3.7	22								n

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B209	adult	40	50	45.0-49.9	male	late	present	hex-agonal					117	supine	resting on pelvis	94	0.43	-0.12	00			y			
B210	adult	35	45	40.0-44.9	male	late	no coffin	no coffin	y			88	supine	resting on pelvis	116	0.22	-0.37	00	y		y				
B211	adult			adult	male?	late	no coffin	no coffin		y		95	supine	resting on pelvis	77	3.93	3.25	15A				y			
B212	subadult	4.5	5.5	05.0-5.9	undetermined	mid	present	hex-agonal?				85	indeterminate		82.5	3.85	3.6	23B				y (no cranium)			
B213	adult	45	55	50.0-54.9	female	mid	present	hex-agonal	y			93	supine	l. at side, r. on pelvis	84.5	3.93	3.49	32				y			
B214	adult	45	55	50.0-54.9	male	late	present	hex-agonal	y	y		99	supine	resting on pelvis	79.5	4.84	3.4	15A	y			y			
B215	infant	0	0.16	.00-0.49	undetermined	mid	present	four-sided?	y			111	indeterminate		81.5	4.57	3.45	15A				y			
B216	infant	0	0.16	.00-0.49	undetermined	Imid	present	rectangle	y			104	indeterminate		78.5	4.47	4.33	23B				y			
B217	adult	17	19	15.0-19.9	male	late	present	hex-agonal				100	supine	resting on pelvis	64.5	1.34	0.97	00				y			
B218	subadult	0.5	3.5	02.0-2.9	undetermined	mid	present	unidentified				105	supine		89	3.48	3.39	11				y			
B219	subadult	4	5	04.0-4.9	undetermined	Imid	present	unidentified	y			87	supine	right at side	71.5	2.2	1.71	35				y			
B220	subadult			subadult	undetermined	mid	present	tapered				95	n/a		78	3.75	3.32	22				y			
B221	adult	30	60	45.0-49.9	male	early	present	tapered	y			96	supine	resting on pelvis	83.5	3.55	3.36	15A			y	y			
B222	adult			adult	male?	Imid	present	hex-agonal				95	supine		76.5	0.24	0.05	00				y (no cranium)			
B223	adult	25	35	30.0-34.9	female	late	no coffin	no coffin				101	supine	resting on pelvis	66.5	2.69	2.26	00				y			

Burial	Age			Sex	Temporal Group	Coffin		Artifacts			Position of Remains			Location					Soil Analysis		Preservation		
	Age Category	Age-Low	Age-High			Age Group	Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series		Dental Modification	Stature
B224	subadult	0.5	1.33	01.0-1.9	undetermined	mid	present	four-sided				86	indeterminate		77.5	97	2.39	2.26	22				y
B225	subadult	0.5	1.25	.50-0.99	undetermined	late	present	four-sided	y			112	indeterminate		64.5	95.5			20		y		y
B226	infant	0	0.17	.00-0.49	undetermined	early	present	tapered	y	y		105	indeterminate		83	77	3.69	3.63	15A			y	y
B227	undetermined			undetermined	undetermined	early	present	four-sided				96	indeterminate		77	84	4.22	3.02	15A				n
B228	adult			adult	male?	late	present	hexagonal				85	supine		86	55	4.2	4	23A				n
B229	subadult	6.75	11.2	09.0-9.9	undetermined	mid	present	unidentified	y			108	supine r. at side, l. on pelvis		83.5	72	4.22	3.79	15A				y
B230	adult	55	65	55+	female	late	present	hexagonal	y	y		120	supine both at sides		45.5	106	0.73	0.36	00				y
B231	subadult			subadult	undetermined	mid	present	four-sided					indeterminate		77.5	97	2.9	2.65	22				y
B232	subadult			subadult	undetermined	mid	present	unidentified					indeterminate		77.5	97	2.41	2.2	22				y
B233	n/a			n/a	n/a	mid	present	rectangle				90	n/a		73	127	1.84	1.74	00				n
B234	infant	0	0.5	.00-0.49	undetermined	mid	present	tapered				107	n/a		77.5	96.5	2.24	2.21	22				y
B235	adult	28	42	35.0-39.9	female	mid	present	hexagonal		y		85	supine resting on pelvis		71.5	123	1.44	0.76	35				y
B236	subadult	4	5	04.0-4.9	undetermined	late	present	hexagonal	y			90	supine		84.5	53.5	3.86	3.7	23A				y
B237	undetermined			undetermined	undetermined	early	present	four-sided?				183	supine		80	55.5	4.11	4	23B				n
B238	adult	40	50	45.0-49.9	male	mid	present	hexagonal		y		102	supine resting on pelvis		78.5	62	3.43	3.04	15A			y	y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Soil Analysis		Preservation	
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series	Dental Modification	Stature		Botanical Analysis
B239	subadult	1.5	3.5	02.0-2.9	undetermined	mid	present	tapered	y				109	supine		83.5	70	3.8	3.54	15A				y
B240	subadult	0.88	2.66	01.0-1.9	undetermined	mid	present	hexagonal?				90	supine		79.5	95.5	2.73	2.5	22				y	
B241	adult	55	65	55+	female	late	present	hexagonal	y			94	supine	resting on pelvis	54.5	121	-0.18	-0.56	53	y			y	
B242	adult	40	50	45.0-49.9	female	late	present	hexagonal	y	y		90	supine	resting on pelvis	49.5	117	-0.3	-0.8	00				y	
B243	adult	40	50	45.0-49.9	male	late	no coffin unidentified		y?			105	supine	resting on pelvis	57.5	121	0.1	-0.9	53	y			y	
B244	subadult	5	9	07.0-7.9	undetermined	late	present	four-sided	y			104	supine	r. at side, l. on pelvis	51.5	90	0.88	0.6	31				y	
B245	subadult	2.5	4.5	03.0-3.9	undetermined	mid	present	hexagonal	y			93	supine		75	85.5	3.55	3.31	00				y	
B246	subadult	0.5	2.9	.50-0.99	undetermined	mid	present	four-sided				92	indeterminate		82.5	70	3.77	3.54	15A				y	
B247	adult	35	49.9	40.0-44.9	male?	early?	present	unidentified				90	indeterminate		84.5	90	3.69	3.34	32				n	
B248	subadult	14	15	14.0-14.9	undetermined	mid	present	unidentified				90	supine		71.2	118.5	1.14	1.03	00				n	
B249	subadult	0.67	1.33	01.0-1.9	undetermined	early?	present	tapered				101	indeterminate		81	87	4.16	4.16	15A				y	
B250	adult			adult	undetermined	early	present	four-sided	y	y		98	indeterminate		80.5	84	4.07	3.81	15A			y	y	
B251	subadult	12	14	13.0-13.9	undetermined	lmid	present	hexagonal				101	indeterminate		79.5	79	3.73	3.43	15A				y	
B252	subadult	1	2	01.0-1.9	undetermined	late	present	hexagonal	y			115	supine	both flexed at sides	64.5	95.5			20				y	
B253	subadult	13	15	14.0-14.9	undetermined	lmid	present	hexagonal	y			96	supine	both at sides	82.5	65.5	4.02	3.26	15A				y	

Burial	Age				Sex	Temporal Group	Coffin		Artifacts			Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL			Stratigraphic Series	Botanical Analysis	
B254	subadult	3.5	5.5	04.0-4.9	undetermined	mid	present	unidentified					96	indeterminate		79.5	97.5	2.08	1.59	22	y		y	
B255	infant	0	0.17	.00-0.49	undetermined	mid	present	hexagonal?	y				90	indeterminate		79.3	117.9	1.81	1.79	25B			y	
B256	adult	40	60	50.0-54.9	male	mid	present	hexagonal					93	supine resting on pelvis		77.5	79	2.82	2.38	15A				y
B257	adult	30	40	35.0-39.9	male	late	present	other	y				100	supine resting on pelvis		72.1	64.5	3.21	2.85	34				y
B258	infant	0	0.5	.00-0.49	undetermined	mid	present	four-sided					104	indeterminate		85.5	78	3.21	3.21	11B	y			y
B259	adult	17	19	15.0-19.9	female?	late	present	hexagonal	y				105	supine resting on pelvis		40.5	102	0.47	0.09	46	y			y
B260	undetermined			undetermined	undetermined	mid	n/a	n/a					94	indeterminate		84.5	53.5	3.89	3.68	23A				n
B261	n/a			n/a	n/a	early	present	unidentified						n/a		87.5	80	3.5	3.23	11B				n
B262	adult	15	17	15.0-19.9	male?	late	no coffin	no coffin					94	supine resting on pelvis		38.5	120	-0.31	-0.84	00				y
B263	subadult			subadult	undetermined	early	present	tapered					105	indeterminate		88.5	74	3.2	2.85	11				y
B264	adult			adult	undetermined	early	present	unidentified						indeterminate		80	55	4.15	3.93	23B				n
B265	subadult	0.5	1	.50-0.99	undetermined	mid	present	hexagonal?	y				95	indeterminate		82	120	1.74	1.68	25B				y
B266	adult	25	35	30.0-34.9	female	late	present	hexagonal	y				105	supine resting on pelvis		38.5	113.5	-0.59	-1.01	00	y			y
B267	adult			adult	undetermined	lmid	present	hexagonal					105	supine both at sides		82.5	94	4.09	3.27	22				y
B268	infant	0	0.5	.00-0.49	undetermined	mid	present	hexagonal?	y				96	indeterminate		74.5	125.5	0.4	0.24	28				y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation						
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis							
B269																											n/a				n/a
B270	adult			adult	male	mid	present	unidentified							97	supine	l. at side, r. on pelvis		84.5	123.5	1.44	1.12	27					y			y
B271	adult	45	57	50.0-54.9	male	mid	present	hexagonal		y?					103	supine	resting on pelvis		76.5	65	3.7	3.12	15A								y
B272	subadult	0.25	0.75	.50-0.99	undetermined	early	present	four-sided							100	indeterminate			88.5	74.5	2.8	2.8	11								y
B273	undetermined			undetermined	undetermined	---	n/a	n/a								indeterminate			81.5	52.5	4.27	4.25	23B								n
B274																indeterminate			79.5	70	3.55	3.25	15A								n/a
B275	adult			adult	female?	mid	present	unidentified							96	supine			81	50	3.56	2.96	23B								n
B276	adult	20	24	20.0-24.9	female	late	no coffin	no coffin		y?					108	supine	resting on pelvis		35.5	118.5	0.05	-0.65	00								y
B277	subadult			subadult	undetermined	mid	present	unidentified							92	supine			77.5	51	4.01	3.85	00								n
B278	adult	45	55	50.0-54.9	male	late	no coffin	no coffin			y?				116	supine	resting on pelvis		42	103	-0.34	-0.72	46								y
B279	adult			adult	undetermined	early	present	four-sided							99	supine	resting on pelvis		76.5	75.5	3.32	3.13	15A								n
B280	adult			adult	female?	early	present	four-sided							96	supine			83	70	2.8	2.75	15A								n
B281	adult			adult	male?	early	present	four-sided			y				90	indeterminate			79.5	75	3.78	3.5	15A			y					y
B282	adult	32.5	42.5	35.0-39.9	male	early	present	four-sided							96	supine	resting on pelvis		77.5	71.5	3.35	2.71	15A								y
B283	subadult	0.33	0.67	01.0-1.9	undetermined	mid	present	hexagonal				y			104	indeterminate			76	123	1.16	0.83	28								y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B284	adult	21	28	20.0-24.9	male	mid	present	unidentified					86	supine	l. at side, r. on pelvis	80.5	115.5	2.09	1.46	25A			y		
B285	adult	20	30	25.0-29.9	female	mid	present	hexagonal					102	supine	resting on pelvis	80.5	64	3.57	3.01	15A			y		
B286	subadult	4.4	8.5	06.0-6.9	undetermined	mid	present	hexagonal?					89	supine	resting on pelvis	75	126	0.61	0.32	28			y		
B287	adult	18	20	15.0-19.9	male	mid	present	unidentified					95	supine	resting on pelvis	73.5	53	3.63	3.43	17			y (no cranium)		
B288	adult			adult	undetermined	mid	n/a	n/a						indeterminate		74.5	120	1.61	1.55	35			n		
B289	subadult	5	9	07.0-7.9	undetermined	Imid	present	tapered			y		89	indeterminate		81	125	1.73	0.99	26		y	y		
B290	adult	45	55	50.0-54.9	male	Imid	present	hexagonal			y		89	supine	left on pelvis	84	114	2.32	2.06	25C			y		
B291	subadult	3	5	04.0-4.9	undetermined	mid	n/a	n/a						indeterminate		82.5	94	4.01	3.55	22			n		
B292	adult			adult	undetermined	mid	present	unidentified						n/a		72.5	121	1.93	1.69	35			n		
B293	adult			adult	male?	mid	present	hexagonal					106	supine		82.5	94	3.55	3.37	22			n		
B294	subadult	0.5	1	.50-0.99	undetermined	mid	present	hexagonal			y		96	indeterminate		88	86.5	4.19	4.06	12			y		
B295	adult	30	50	40.0-44.9	female	mid	present	hexagonal			y		110	supine	resting on pelvis	82	70	2.59	2.19	15A			y		
B296	infant	0.5	2.9	infant	undetermined	mid	present	unidentified					68	indeterminate		84	98	4.2	3.92	22			n		
B297	adult	30	40	35.0-39.9	male	late	present	unidentified					106	supine		62.5	117.5	0.04	-0.05	00			n		
B298	subadult	0.67	1.33	01.0-1.9	undetermined	mid	present	unidentified						indeterminate		66.5	123	1.99	1.95	00			n		

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B299	adult	40	50	45.0-49.9	male	late	present	hexagonal	y				80	supine	resting on pelvis	68.5	123.5	1.32	0.65	00				y	
B300	infant			infant	undetermined	mid	present	hexagonal?	y				106	indeterminate		76	125.5	0.82	0.79	28				y	
B301	adult			adult	undetermined	mid	n/a	n/a					99	indeterminate		86	100.5	4.17	4.07	24				n	
B301a	undetermined			undetermined	undetermined	mid	n/a	n/a						indeterminate		86	100.5			24				n	
B302	adult			adult	female?	mid	n/a	n/a					99	indeterminate		88.5	99.5	3.96	3.31	24				n	
B303	subadult	0.5	1	.50-0.99	undetermined	mid	n/a	n/a	y				100	indeterminate		73.5	76.5			00				n	
B304	subadult	3	5	04.0-4.9	undetermined	mid	present	tapered					90	indeterminate		81.5	109	1.97	1.77	00				y	
B305	infant	-0.33	0.33	.00-0.49	undetermined	late	present	hexagonal	y				109	indeterminate		57	122	-1.11	-1.38	53				y	
B306	adult	28	44	35.0-39.9	male	mid	present	hexagonal					88	supine	r. at side, l. on pelvis	76.5	125	0.1	-0.52	28				y	
B307	adult	45	55	50.0-54.9	male?	early?	no coffin	no coffin					88	supine		82.5	116	2.02	1.63	25A				y	
B308	subadult			subadult	undetermined	early	present	four-sided					109	supine		84.5	109	1.31	0.96	25C				y	
B309	adult	20	25	20.0-24.9	male	late	no coffin	no coffin						supine	resting on pelvis	62	143.5	1.89	1.66	00				y	
B310	adult	44	52	45.0-49.9	female	mid	present	hexagonal		y			99	supine	r. flexed, l. at side	75.5	60	2.49	1.87	17			y	y	
B311	subadult	0.25	0.75	.50-0.99	undetermined	lmid	present	tapered	y				100	indeterminate		88.5	99.5	3.41	3.23	24				y	
B312	infant	0	0.3	.00-0.49	undetermined	mid	present	rectangle	y				94	supine		75	67	3.38	3.24	17				y	

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B313	adult	45	55	50.0-54.9	male	late	present	hexagonal	y	y			y?	102	supine	crossed left over right	114.5	-1.5	00				y		
B314	adult	40	50	45.0-49.9	male	lmid	present	hexagonal						97	supine		134		55				y		
B315	adult	30	40	35.0-39.9	female	mid	present	hexagonal?	y					88	supine	crossed over chest	127	1.41	27				y		
B316	adult	18	20	15.0-19.9	female	lmid	present	hexagonal	y					95	supine	both at sides	99.5	3.02	24				y		
B317	adult	19	39	25.0-29.9	male?	lmid	present	unidentified							supine		220	2.21	61				n		
B318	subadult	7.5	14	12.0-12.9	undetermined	mid	n/a	n/a						116	indeterminate		144	1.95	58				n		
B319	adult			adult	female	lmid	present	unidentified	y						indeterminate		249	2.25	62				n		
B320	subadult	2	4	03.0-3.9	undetermined	mid	present	unidentified	y					120	n/a		251.5	1.73	62			y	y		
B321	subadult	1	2	01.0-1.9	undetermined	mid	present	hexagonal	y					117	supine		143	0.39	58			y	y		
B322	adult			adult	female	late	n/a	n/a					y?	99	indeterminate		140	2.47	00				n		
B323	adult	19	30	20.0-24.9	male	late	no coffin	no coffin							supine	other	128.5		45				y		
B324	adult	25	35	30.0-34.9	female	mid	present	hexagonal						90	supine	other	132	1.83	56				y		
B325	adult	25	35	30.0-34.9	male	late	present	hexagonal	y					99	supine	both at sides	137.5	0.89	00				y		
B326	adult	45	55	50.0-54.9	male	mid	present	hexagonal			y			96	supine	resting on pelvis	135		57		y		y		
B327	adult	35	45	40.0-44.9	male	late	no coffin	no coffin						98	supine		129		47				y		

Burial	Age			Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location				Dental Modification	Stature	Soil Analysis		Preservation	
	Age Category	Age-Low	Age-High			Age Group	Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL			Skeletal Elevation (Low) ASL	Stratigraphic Series		Botanical Analysis
B328	adult	40	50	45.0-49.9	female	mid	present	hex-agonal	y				88	supine	both at sides	84.5	241						y	
B329	adult			adult	male	late	no coffin	no coffin					85	supine	resting on pelvis	56	128.5						y	
B329.1	adult			adult	undeter-mined	late	n/a	n/a						indeter-minate		56	128.5						n	
B330	adult	28	58	40.0-44.9	male	late	n/a	n/a						indeter-minate		58.5	140	0.72	0.36	00				n
B331	adult	30	35	30.0-34.9	undeter-mined	late	n/a	n/a						indeter-minate		58	137	0.52	0.5	00				n
B332	adult	35	40	35.0-39.9	male?	lmid	present	hex-agonal	y			92	supine	resting on pelvis	80.5	126	0.67	0.17	26				y	
B333	adult	45	55	50.0-54.9	male	lmid	present	rectangle			y	121	supine	r. at side, l. on pelvis	81.5	230.5	1.14	0.86	00				y	
B334	subadult			subadult	undeter-mined	mid	present	unidenti-fied	y			111	supine		89	251	1.63	1.55	62				y	
B335	adult	25	35	30.0-34.9	female	mid	present	hex-agonal	y			127	supine	resting on pelvis	84.5	248	0.36	-0.18	00			y	y	
B336	subadult	0.5	1	.50-0.99	undeter-mined	mid	present	hex-agonal?	y			92	indeter-minate		83	125.5	0.68	0.68	27				y	
B337	adult	40	50	45.0-49.9	male	late	no coffin	no coffin				116	supine	resting on pelvis	37	130	-0.67	-1.29	00				y	
B338	adult	33	65	45.0-49.9	female	lmid	present	hex-agonal	y			92	supine	crossed left over right	84.5	133.5	0.69	0.21	55				y	
B339	subadult			subadult	undeter-mined	mid	present	unidenti-fied				86	indeter-minate		83	123	1.39	1.39	00				n	
B340	adult	39.3	64.4	50.0-54.9	female	early	present	tapered	y		y	94	supine		88.5	237	0.27	-0.2	00			y	y	
B341	adult			adult	male	mid	present	hex-agonal	y		y	103	supine	resting on pelvis	87.5	229.5	1.26	0.85	37				y	y

Burial	Age			Sex	Temporal Group	Coffin		Artifacts			Position of Remains			Location					Dental Modification		Soil Analysis		Preservation
	Age Category	Age-Low	Age-High			Age Group	Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series	Stature	Botanical Analysis	
B342	adult	25	35	30.0-34.9	female?	late	present	hexagonal	y				104	supine	resting on pelvis	50	129	-0.73	-1.43	47			y
B343	adult	19	23	20.0-24.9	male	late	present	hexagonal	y			92	supine	resting on pelvis	59.5	130	-0.02	-0.26	00			y	
B344	adult	25	35	30.0-34.9	male?	mid	present	unidentified					indeterminate			87.5	255	0.84	0.02	00			n
B345	adult			adult	undetermined	mid	n/a	n/a					indeterminate			74.5	254	0.52	0.38	64			n
B346	adult	50	70	55+	female	late	present	hexagonal	y			117	supine	resting on pelvis	57.5	138.5	-0.25	-1.1	00			y	
B347	subadult	0.5	1	.50-0.99	undetermined	mid	present	hexagonal				98	indeterminate			73.5	130	0.97	0.74	00			y
B348	subadult	1	2	0.1-1.9	undetermined	mid	present	hexagonal	y		y	112	supine	resting on pelvis	66	138	1.62	1.35	00			y	
B349	infant	0	0.5	.00-0.49	undetermined	mid	present	unidentified				94	indeterminate			72	132	1.64	1.52	57			y
B350	undetermined			undetermined	undetermined	mid	n/a	n/a					indeterminate			82	133.5	1.18	0.21	55			n
B351	adult	50	60	55+	male	mid	present	hexagonal	y		y	106	supine	resting on pelvis	84.5	145	0.39	-0.05	00			y	
B352	adult			adult	male	lmid	present	hexagonal	y		y	100	supine	r. at side, l. on pelvis	67.5	131	1.47	0.99	56			y	
B353	adult	24	34	25.0-29.9	male	mid	present	hexagonal	y		y	112	supine	r. at side, l. on pelvis	84.5	230	1.13	0.69	00			y	
B354	adult	35	45	40.0-44.9	male	late	present	hexagonal				93	supine	resting on pelvis	44.5	129.5	-1.16	-1.66	45			y	
B355	adult			adult	undetermined	mid	n/a	n/a					indeterminate			74.5	235	3.19	3.19	65			n
B356	subadult			subadult	undetermined	mid	present	shared	y			128	supine			84.5	248	-0.01	-0.02	00			y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B357	adult	45	65	55+	male	Imid	no coffin	no coffin					109	supine	crossed right over left	72	228.5	-0.31	-0.88	00	y		y		
B358	adult			undetermined	female?	mid	present	unidentified					126	supine		89.5	230	1.93	1.7	00			n		
B359	subadult			subadult	undetermined	mid	present	unidentified					95	indeterminate		84.5	127.5	1.47	1.2	27			n		
B360	subadult			subadult	undetermined	mid	present	unidentified	y					indeterminate		75.5	235	0.24	-0.61	65			y		
B361	adult	33	57	45.0-49.9	male	early	present	tapered	y	y			85	supine		88.5	249	0.77	0.23	62			y		
B362	adult			adult	undetermined	Imid	present	unidentified	y				119	supine		69.5	235	-0.81	-1.25	66			y (cranium only)		
B363	subadult	1	2	01.0-1.9	undetermined	late	present	hexagonal	y				124	supine		49.5	135	-0.35	-0.5	00			y		
B364	adult	25	35	30.0-34.9	male	late	no coffin	no coffin					90	supine		44.5	143.5	-0.23	-0.39	00			y		
B365	adult			adult	female	mid	present	unidentified					195	supine		79.5	257.5	-0.06	-0.28	00			n		
B366	adult	34	62	45.0-49.9	undetermined	mid	present	hexagonal		y			118	supine		78	224	0.73	-0.68	38	y		y		
B367	adult	25	35	30.0-34.9	female?	mid	n/a	n/a						indeterminate		72	130	2.08	1.96	56	y		n		
B368	subadult	10.5	13.5	12.0-12.9	undetermined	mid	present	unidentified	y	y			95	supine		80.5	246.5	0.86	0.2	63			y		
B369	adult	40	50	45.0-49.9	male	late	no coffin	no coffin	y	y			83	supine		54	131	-0.21	-0.7	00			y		
B370	subadult	2	4	03.0-3.9	undetermined	mid	present	hexagonal?	y				75	supine		82	146.5	0.79	0.73	00			y		
B371	adult	25	35	30.0-34.9	female	mid	no coffin	no coffin					115	supine		69	235	-2.88	-3.4	66			y		

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B372	adult	25	35	30.0-34.9	female	mid	n/a	n/a								81	235	1.91	1.83	00					n
B373	adult	45	60	45.0-49.9	female	lmid	present	hex-agonal	y							70.5	132	-0.97	-1.39	56					y
B374	infant	0	0.25	.00-0.49	undetermined	mid	present	unidentified	y							72	132.5	1.36	1.27	57					y
B375	adult	16	18	15.0-19.9	female	mid	no coffin	no coffin	y			y				74.5	253	-0.4	-0.86	64					y
B376	adult	45	65	55+	male	lmid	present	hex-agonal	y							77	134.5	0.45	-0.06	59				y	y
B377	adult	32.6	57.8	45.0-49.9	female	lmid	no coffin	no coffin				y				75.5	235	-0.44	-0.93	65					y
B378	undetermined			undetermined	undetermined	mid	present	unidentified								75.5	235	-0.28	-0.28	65					n (not excavated)
B379	adult	30	40	35.0-39.9	male	mid	present	hex-agonal								71.5	215	0.16	-0.39	48					y
B380	adult	40	60	50.0-54.9	male	mid	present	hex-agonal	y							85	241	0.51	0.2	36					y
B381	undetermined			undetermined	undetermined	lmid	n/a	n/a								75.5	235	-0.68	-0.68	65					n (not excavated)
B382	subadult	4	5	04.0-4.9	undetermined	early?	present	four-sided	y							71.5	215	0.17	0.09	48					y
B383	adult	14	18	15.0-19.9	female	mid	present	hex-agonal	y							79	245	-0.76	-1.51	63					y
B384	adult	25	45	35.0-39.9	female	mid	present	hex-agonal								91.5	248	0.59	-0.23	61					y
B385	adult	40	60	50.0-54.9	female	mid	present	hex-agonal	y							86	251.5	0.83	0.4	00					y
B386	infant	0	0.3	.00-0.49	undetermined	late	present	unidentified								48	121.5	0.37	0.06	00					y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis	
B387	adult	34	44	35.0-39.9	male	early	present	tapered	y?				109	supine	resting on pelvis	78	227	-0.25	-1.23	38				y	
B388	adult	29	57	40.0-44.9	female	early	present	tapered	y				112	supine	resting on pelvis	75.5	222	-0.38	-0.88	52				y	
B389	adult			adult	female	early	present	tapered	y				100	supine	resting on pelvis	82	220	1.87	1.36	50			y	y	
B390	adult	25	35	30.0-34.9	male	mid	n/a	n/a				94	indeterminate			71.5	140	1.41	1.01	57				n	
B391	adult	16.5	19.5	15.0-19.9	male	lmid	no coffin	no coffin				90	supine	crossed left over right		68	140.5	1.69	1.36	57				y	
B392	adult	42.5	52.5	45.0-49.9	male	lmid	present	rectangle			y			supine	both at sides	71.5	140	1.04	0.87	57			y	y	
B393	infant	- 0.17	0.17	.00-0.49	undetermined	mid	present	hexagonal?			y		119	supine	both at sides	84	211	2.54	2.27	52			y	y	
B394	adult	16	25	25.0-29.9	undetermined	mid	n/a	n/a						indeterminate		59.5	185	-0.59	-0.94	00				n	
B395	adult	43	53	45.0-49.9	male	lmid	present	hexagonal			y		107	supine	both flexed at sides	76.5	135.5	-1.11	-1.56	59				y	
B396	subadult	6.5	8.5	07.0-7.9	undetermined	mid	present	hexagonal			y		108	supine	right at side	82.5	224	1.43	1.06	50				y	
B397	adult	30	40	35.0-39.9	female	mid	present	hexagonal			y		100	supine	resting on pelvis	87	229	0.51	0.17	37			y	y	
B398	adult	25	35	30.0-34.9	undetermined	mid	n/a	n/a			y	y?		indeterminate		93	255.5	0.67	0.52	00				n	
B399	infant	0	0.3	.00-0.49	undetermined	mid	present	rectangle			y		106	supine	l. at side, r. on pelvis	78	213	-0.08	-0.18	00				y	
B400	adult	25	35	30.0-34.9	male	mid	present	hexagonal			y		85	supine	other	65.5	130	2.09	1.66	56				y	
B401														n/a						n/a					n/a

Burial	Age			Sex	Temporal Group	Coffin		Artifacts			Position of Remains			Location				Dental Modification	Stature	Soil Analysis		Preservation			
	Age Category	Age-Low	Age-High			Age Group	Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East			Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL		Stratigraphic Series	Botanical Analysis	Pollen Analysis
B402	adult	39	65	adult	undetermined	early	present	tapered						100	supine	resting on pelvis	84.5	255	1.06	0.56	00			n	
B403	adult			50.0-54.9	male	mid	present	unidentified	y	y?				113	supine		93	255.5	1.12	0.42	00			n	
B404	adult			adult	female	early	present	tapered						96	n/a		79.5	165			00	y		n (empty coffin)	
B405	subadult	6	10	08.0-8.9	undetermined	mid	present	hexagonal?	y	y	y			119	supine	l. at side, r. on pelvis	83.9	211.8	2.22	1.75	52			y	
B406	infant	0	0.5	.00-0.49	undetermined	mid	present	hexagonal?	y					280	supine		68.25	253.5	0.02	-0.31	00			y	
B407															n/a						n/a				n/a
B408	adult			adult	male?	mid	n/a	n/a							indeterminate		79.5	158	0.5	-0.7	00				n/a
B410	adult			adult	female	mid	present	hexagonal				y		95	supine	left on pelvis	69.5	178	1.05	0.76	40				y
B412	infant	0	0	.00-0.49	undetermined	mid	present	unidentified	y						n/a		78.5	218.5	2.1	2.07	52				y
B413	adult	50	70	55+	female	mid	present	hexagonal	y					95	supine	left at side	62.5	175.5	0.97	0.46	00				y
B414	adult	39	59	45.0-49.9	male	mid	present	unidentified	y					112	supine	resting on pelvis	74	165	0.97	0.57	00				y
B415	adult	35	55	45.0-49.9	male	mid	present	hexagonal	y	y				99	supine	resting on pelvis	81	215	1.81	1.55	52		y		y
B416	adult			adult	undetermined	early	present	tapered						101	supine	both at sides	71.5	142	1.28	0.59	57				y (no cranium)
B417	subadult	9.5	14.5	12.0 - 12.9	undetermined	mid	present	unidentified	y						indeterminate		64.5	165	1.14	0.95	60				y
B418	adult	30	55	40.0-44.9	male	mid	present	unidentified	y					106	supine		64.5	163	0.86	0.57	60				y

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation	
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis		
B419	adult	48	62	55+	male	mid	present	hexagonal	y					117	supine		71.5	206.5	0.4	0.1	00				y	
B420	adult	35	45	40.0-44.9	male	mid	n/a	n/a							indeterminate		69.5	186.5	0.63	0.09	00				n	
B421															n/a						n/a					n/a
B422	undetermined			undetermined	undetermined	mid	present	unidentified							indeterminate		86.5	212.5	2.22	2.01	00					n
B423	n/a			n/a	n/a	mid	present	unidentified							indeterminate		67	162	0.74		60					n (not excavated)
B424	adult			adult	undetermined	mid	n/a	n/a							indeterminate		76	220	-1.07	-1.19	52					n/a
B425	adult			adult	female	mid	present	hexagonal						107	supine		79.1	253	0.35	0.09	00					n (not excavated)
B426	undetermined			undetermined	undetermined	early	present	tapered?							supine		69.5	141	1.52	1.31	57					n (not excavated)
B427	adult	16	20	15.0-19.9	male?	mid	present	hexagonal	y					91	supine		69.5	179	0.28	-0.06	40					y
B428	adult	40	70	55+	female	mid	present	unidentified	y					95	supine		66.5	147.5	1.57	1.06	00					y
B429	adult			adult	undetermined	mid	present	unidentified							supine		64.5	215			00					n (not excavated)
B430	n/a			n/a	n/a	mid	present	unidentified							n/a		84.5	215			00					n (not excavated)
B431	adult			adult	undetermined	mid	present	unidentified							supine		79.5	162	0.48	0.16	00					n
B432	adult			adult	undetermined	early	present	rectangle?	y					90	supine		78	220	-0.89	-1.06	52					y
B433	adult			adult	undetermined	mid	n/a	n/a							indeterminate		79.5	160.5			00					n

Burial	Age				Sex	Temporal Group	Coffin		Artifacts				Position of Remains			Location					Dental Modification	Stature	Soil Analysis		Preservation			
	Age Category	Age-Low	Age-High	Age Group			Coffin	Coffin Shape	Pins	Clothing	Jewelry	Other	Head Orientation (West of Grid North)	Body Position	Arms	Grid South	Grid East	Skeletal Elevation (High) ASL	Skeletal Elevation (Low) ASL	Stratigraphic Series			Botanical Analysis	Pollen Analysis				
B434	undeter- mined			undeter- mined	undeter- mined	mid	no coffin	Coffin										00						n				
B435	undeter- mined			undeter- mined	undeter- mined	n/a	no coffin	n/a										84.5	205	2.64	2.24	00						n

Appendix D: Site Excavation Forms

HCI, Inc.

PROVENIENCE SHEET - FOLEY SQUARE

CATALOG #: _____ BLOCK: _____ LOT: _____ EXCAVATION UNIT: _____

DATE: _____ BY: _____ STRATUM: _____ COORDINATES: _____

LOCATION OF DATUM: _____

DEPTHS BELOW TEMPORARY DATUM: (KEYED TO PLAN VIEW # _____)

OPENING: _____

CLOSING: _____

DESCRIPTION OF SOIL: _____

EXTENT OF STRATUM: _____

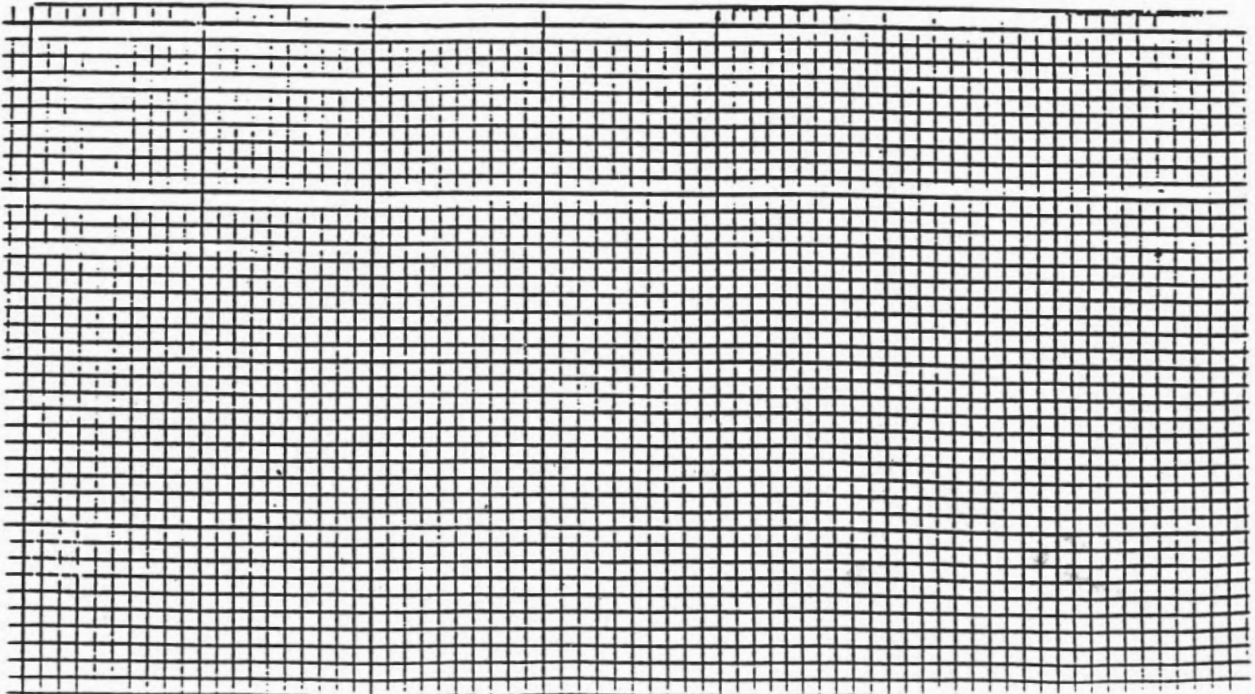
RELATION TO OTHER STRATA: _____

MATERIAL SAMPLED: _____

ASSOCIATED RECORDING: PLAN _____ PROFILE _____ PHOTO _____

COMMENTS: _____

SKETCH: _____ (PUT ADDITIONAL NOTES ON BACK)



JMA
Foley Square

BROADWAY BLOCK
BURIAL PROVENIENCE/DATA SHEET

BURIAL # _____ CATALOG# _____ COORDINATES _____ STRUCTURE/LOT _____
 EXCAVATION DATES: BEGIN _____ END _____ REMOVED _____ EXCAVATORS _____
 ASSOCIATED DRAWINGS _____ DATUM _____

ELEVATIONS: GRAVE PIT: OPEN _____ COFFIN: OPEN _____
 CLOSE _____ CLOSE _____
SKELETAL REMAINS: HIGHEST _____ WHERE? _____
 LOWEST _____ WHERE? _____
 CRANIUM _____ PELVIS _____

<p><u>DIMENSIONS:</u> <u>COFFIN:</u> (MAX.) LENGTH _____ WIDTH _____</p> <p><u>GRAVE PIT</u> (MAX.) LENGTH _____ WIDTH _____ DEPTH _____</p> <p><u>SKELETAL REMAINS</u> (MAX.) LENGTH _____ WIDTH _____</p>	<p>AGE _____ SEX _____</p>
---	---

<p><u>COFFIN TYPE:</u> HEXAGONAL _____ TAPERING _____ RECTANGULAR _____ GABLE LID _____</p> <p>NO COFFIN _____</p>	<p><u>HARDWARE:</u> NAILS _____ HANDLES _____ TACKS _____ NONE _____</p>
---	---

ARTIFACTS: _____

SAMPLES: _____

RELATION TO OTHER BURIALS: _____

———— NOTES ON BACK!!!! ————

BURIAL FORM

GSA SITE

Burial #

Elevation of Coffin

Dimensions of Coffin

Dimensions of Burial
(i.e., skeletal remains)

Elevation of Cranium

Elevation of Pelvis

Elevation at Highest Point
of skeletal remains

Where?

Elevation at Lowest Point
of skeletal remains

Where?

Age and Sex

Artifacts

Associations
(i.e., other burials)

Notes

Name of Excavator

Dates Excavated

Date Removed

Comments

JMA
Foley Square

BROADWAY BLOCK
BURIAL PROCEDURES CHECKLIST

BURIAL# _____
CAT.# _____
EXCAVATORS: _____

PHOTO: _____ (DATES)
DRAWN: _____ (DATE & ARTIST)
ASSESSED: _____ (DATES)

SOIL SAMPLES : CONTROL _____
LID _____ LID PRESENT? _____ THORACIC _____ AREA PRESENT? _____
STOMACH _____ AREA PRESENT? _____ TO LEHMAN _____
SACRUM _____ AREA PRESENT? _____ TO LEHMAN _____

WOOD : (SEPERATE SAMPLES FROM DIFFERENT COFFIN PARTS)
LID _____
SIDES _____
BOTTOM _____

NOTES ON SAMPLES : _____

ARTIFACTS : (DIRECTLY ASSOC. W/ BURIAL, ie. coins, buttons, cloth,
jewelry, etc.)
ACID FREE _____
BOXED _____
DELICATE ITEMS MARKED FOR CONSERVATOR _____
NO ASSOCIATED ARTIFACTS _____

HAIR/TISSUE : ACID FREE _____
BOXED _____
TO LEHMAN _____
NO HAIR/TISSUE _____

NOTES ON ARTIFACTS, HAIR & TISSUE : _____

BURIAL COMPLETION : ALL NAILS MAPPED? _____
ALL GRAVE FILL REMOVED? _____
GRAVE PIT CLEANED? _____
ALL RECORDS COMPLETE? _____
RECORDS TURNED IN? _____
OSTEO. FORMS IN BLACK FOLDER? _____
CHECKED OFF ON MASTER LIST? _____

MFAT
Metropolitan Forensic Anthropology Team
at Lehman College
Field Notes
Broadway-Foley Square Black Cemetery Site

Burial #: _____

p. 1 of 4

IN SITU SKELETAL INSPECTIONAL ANALYSIS

Burial #: _____
 Catalogue #: _____
 Block #: _____

DATE: _____

ASSESSOR/S: _____
 EXCAVATOR/S: _____

CONDITION OF REMAINS:

SKULL: Present Condition

(/)

Braincase: _____

	Present (/)			
	Right	Left	Decid.	Pern.
I1				
I2				
C				
P1				
P2				
M1				
M2				
M3				

Present

Condition

(/)

Mandible: _____

	Present (/)			
	Right	Left	Decid.	Pern.
I1				
I2				
C				
P1				
P2				
M1				
M2				
M3				

MPAT Field Notes
 By: _____ (initials)
 In Situ Skeletal Assessments

Burial #: _____
 p. 2 of 4

Vertebrae:

Cervical: _____

Thoracic: _____

Lumbar: _____

Sacrum: _____

Coccyx: _____

Sternum: _____

Ribs: _____

	Present (✓)		Condition:
	Right	Left	
Clavicle	Right	Left	_____
Scapulae	Right	Left	_____
	Right	Left	_____
Iliac	Right	Left	_____
	Right	Left	_____

Upper Limb:

Humerus	Right	Left	_____
	Right	Left	_____
Ulna	Right	Left	_____
	Right	Left	_____
Radius	Right	Left	_____
	Right	Left	_____
Hand:	Carpals: _____		
	Metacarpals: _____		
	Phalanges: _____		

Lower Limb:

Femur	Right	Left	_____
	Right	Left	_____
Patella	Right	Left	_____
	Right	Left	_____
Tibia	Right	Left	_____
	Right	Left	_____
Fibula	Right	Left	_____
	Right	Left	_____
Foot:	Tarsals: _____		
	Metatarsals: _____		
	Phalanges: _____		

MFAT Field Notes

By: _____ (initials)

In Situ Skeletal Assessments

Burial #: _____
p. 3 of 4

IN SITU MEASUREMENTS:	SIDE	DIMENSION
Maximum Lengths:		
Humerus:	_____	_____
Radius:	_____	_____
Innominate/Ilium:	_____	_____
Femur:	_____	_____
Tibia:	_____	_____
<hr/>		
Femoral Circumference: (Ø mid-shaft)	_____	_____
Innominate/Ilium Width:	_____	_____

SKY ASSESSMENTS

Skull:

Innominate:

Sacrum:

Femur:

Other:

Tentative Conclusion:

MFAT Field Notes

By: _____ (initials)
In Situ Skeletal Assessments

Burial #: _____
p. 4 of 4

RACE ASSESSMENTS

Skull:

Tentative Conclusion:

AGE ASSESSMENTS

Teeth:

Vertebral Lipping:

Other:

PATHOLOGIES/ANOMALIES

SPECIAL NOTES/COMMENTS:

Appendix E: Inventory of Non-Skeletal Material from Graves and Grave Shafts

