

City Hall Rehabilitation Archaeology Project 2010-2011 Volume 2

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Prepared for: Mayor's Fund to Advance New York City

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City Hall Park
2010-2011 Excavation Report

Appendix A:

Archaeological Testing Plans, Procedures, Protocols and Testing Memorandums

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January 23, 2010

Cultural Resource Management (Archaeological) Services

As part of the proposed City Hall Renovation project, Beyer Blinder Belle, Architects & Planners LLP (BBB) has retained the services of a Cultural Resource Management (CRM) (Archaeological) firm.

In order to meet existing City of New York regulations relating to archaeology, the City of New York – Landmarks Preservation Commission (LPC) has set forth specific requirements for archaeological services. The CRM firm retained by BBB will meet all of the requirements of the LPC.

The CRM firm will work in consort with the on-site contractor(s) to ensure all LPC requirements are met. The CRM firm will be on site to either monitor or excavate specific areas either prior to or during the contractor's excavations in support of the underpinning of the existing foundation, the test trenching for the location of the existing utilities and potentially either excavation or monitoring of the excavation for the installation of the upgraded utilities.

A CRM work plan and an Unanticipated Finds plan have been created for the project, which both the CRM firm and the contractor will follow. During monitoring, the CRM firm will have the authority to halt excavation in the event that significant buried resources are uncovered, as determined by the on-site archaeologist. The contractor will be allowed to continue excavation in the affected area upon completion of the archaeologist's inspection.

CHRYSLIS ARCHAEOLOGICAL CONSULTANTS

Cultural Resource Specialists



To: Larry Gutterman, AIA, LEED AP, Associate Partner
Beyer Blinder Belle- Architects & Planners LLP
From: Alyssa Loorya and Christopher Ricciardi/Chrysalis Archaeological Consultants, Inc.
Date: March 1, 2010
Re: City Hall – Archaeological Scope of Work/Monitoring Plan - REVISED

INTRODUCTION:

City Hall is a landmarked structure located in City Hall Park, New York, New York. City Hall Park, having been occupied by municipal institutions since the early eighteenth century, has a proven high level of archaeological sensitivity and significance and is part of the African Burial Ground and the Commons Historic District. The proposed multi-phase renovation of City Hall has the potential to impact historic cultural resources on site. This plan identifies potential resources, the potential impact to such resources and a proposed cultural resource management (archaeological) plan that includes monitoring/testing, an unanticipated finds and human remains discovery plan that establishes protocols should the discovery of archaeological resources occur when an archaeologist is not on site. This plan is specifically relative to the utility upgrade from Broadway to the west side of City Hall, the underpinning of the eastern basement foundation and the construction of the sub-basement. Due to its landmark status LPC must review and approve (by issuing a permit) all subsurface work.

The purpose of this cultural resource plan is to: 1) identify potential impact areas; 2) develop a technical approach to identify and mitigate potential cultural resources in the impact areas; 3) develop a historical and archaeological context(s) for the analysis and interpretation of any potential archaeological resources that may be uncovered within the Area of Potential Effect (APE); 4) outline the lines of communication that will be employed with regard to cultural resources throughout the project; 5) detail the protocol to be followed in the event that significant unanticipated cultural remains are uncovered; 6) detail the protocol to be followed in the event human remains are discovered; 7) provide all necessary services related to the cultural resource process during the overall construction project.

For this Phase of the project archaeological monitoring will occur in the field west of City Hall during test pit excavation to locate pre-existing utilities. If deemed necessary by LPC archaeological monitoring may occur in other additional areas of sub-surface work.

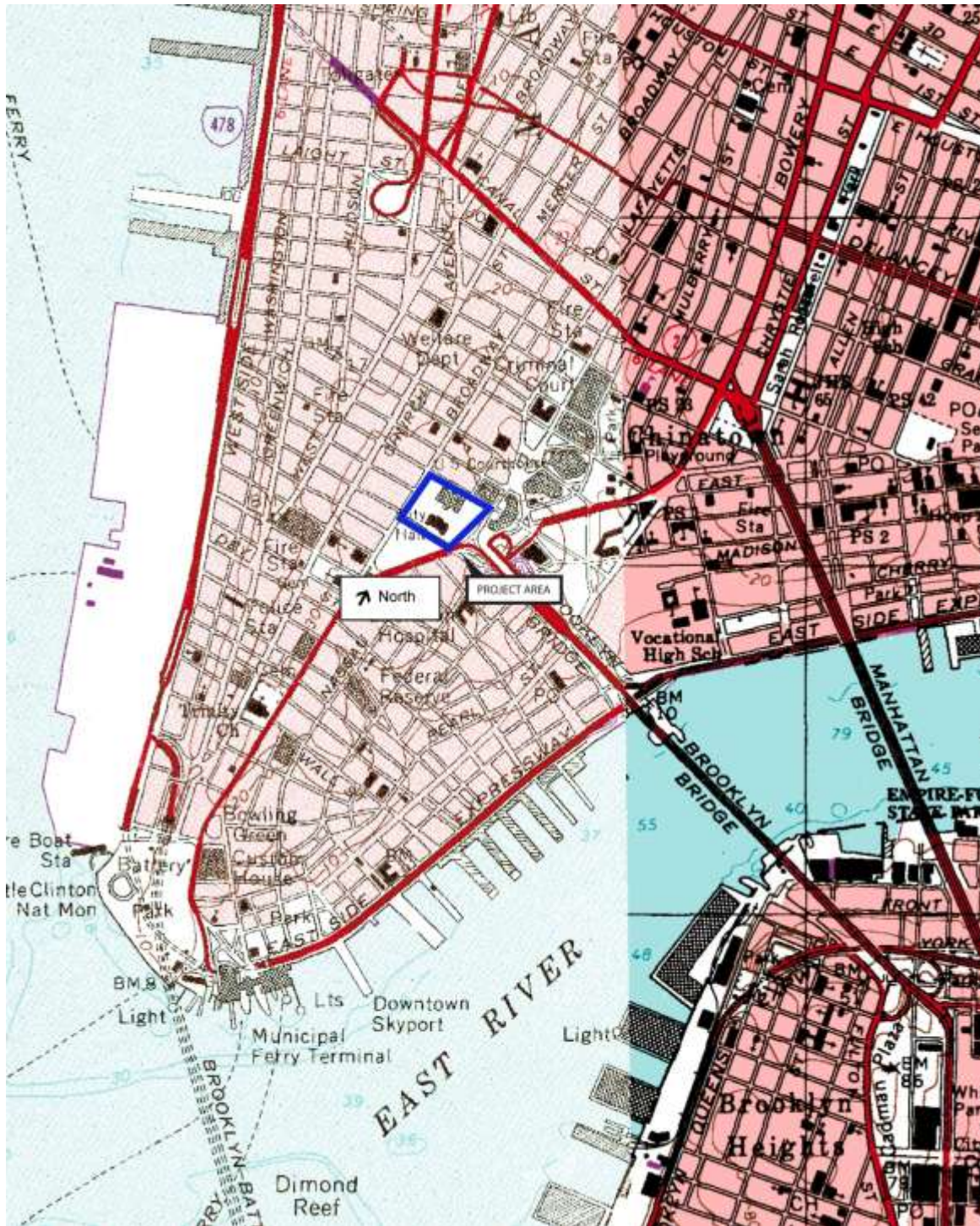
All work to be conducted as part of this Scope will be performed by an archaeologist(s) that meets the professional qualifications as outlined in the LPC guidelines (LPC 2002:7). These qualifications are also applicable to any specialists whose services may be required as part of this project.

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PROJECT DESCRIPTION:

The proposed renovation of City Hall will occur in several phases. This plan only addresses two phases of the project; 1) Sub-Basement Construction and Foundation Underpinning and 2) excavation for utility upgrades in the area of Broadway, proceeding east to City Hall (Map 01).



Map 01: Project Area Map

Sub-Basement/Foundation Underpinning

The underpinning process will serve to stabilize the structure of City Hall. In preparation for underpinning several jet grout columns will be injected within the confines of the existing basement of City Hall. As part of this new support system, excavations will be required along the northeastern portion of City Hall for the installation of soldier piles. The exterior excavation is to extend no more than one foot (1') from the existing retaining wall and no more than two feet (2') from the existing foundation wall every eight feet (8').

This will also facilitate structural stability for the excavation of a new sub-basement. The proposed sub-basement will be located in the eastern wing of City Hall. Excavation will extend to a depth of fourteen feet (14') below the current basement floor.

Excavation to locate existing utility lines and perform utility upgrades

In preparation for the installation of new and upgraded utilities, a series of test pits will be excavated to locate the existing utility lines west of City Hall. A utility trench will be excavated from Broadway to City Hall in the location of the pre-existing utility trench. Utilities will be installed within this trench as an in-kind replacement. Upgrades may require that the limits of the pre-existing utility trench may have to be widened and/or excavated to a greater depth.

CULTURAL RESOURCES REGULATIONS:

City Hall Park is within the African Burial Ground and the Commons Historic District which is an archaeological historic district designated by LPC. As such, all sub-surface construction works and impact are subject Landmarks Law with regard to archaeology. Plans for all subsurface work proposed for City Hall Park must be reviewed and approved by LPC before it that work may occur. LPC must issue a permit for such work.

Archaeological resources, identified as the physical, or material, remains of past activity, are categorized into 'prehistoric' (remains associated with Native American people and their activities such as tools or refuse from tool making activities and habitation sites) or 'historic period' (remains associated with the post-European colonization period of the New York area such as battle sites, foundations, wells and privies).

SUMMARY OF ARCHAEOLOGICAL SENSITIVITY:

New York City Hall is a New York City, New York State and National Historic Landmark. Designed by McComb and Mangin, City Hall was built from 1803 to 1811. The property occupied by City Hall also has a great deal of historic significance. Formerly known as the Common, it was utilized as early as 1692 and was heavily used and densely populated throughout the last three quarters of the eighteenth century. Since 1735, with the construction of the First Almshouse, the property has been occupied by various municipal institutions. During the Revolutionary War, British soldiers were barracked on site. Institutional use continued until the turn of the nineteenth century, when the focus began to shift toward governmental use.

The long-term significant occupation of the site has led it to be the subject of several historic and archaeological studies. Three of these have direct significance to the current project: Baugher, Bankoff and Winter (1989), Hunter Research (1998) and Parsons Environmental (1999) (See Bankoff and Loorya 2007)¹.

The following is excerpted from Loorya, *in process*.

In 1989 the City of New York Landmarks Preservation Commission (LPC) archaeologist Sherene Baugher along with Drs. H. Arthur Bankoff and Frederick A. Winter of Brooklyn College, CUNY conducted work within City Hall Park. The excavation was undertaken in preparation for the proposed installation of a new sub-surface utility tunnel that would connect City Hall with Tweed Courthouse. The excavation was conducted as part of the Brooklyn College Summer Archaeological Field School and focused on exploring a foundation wall discovered during earlier field testing, north of City Hall (Baugher 2001 and Bankoff 2007).

Over the course of the three-week project several discrete contexts, determined by Dr. Baugher, to be related to the First Almshouse were recovered. Analysis of the materials revealed information about the daily activities of Almshouse residents, particularly with regard to sewing and button-making activities.

In a 2001 article, Baugher used the analysis to explore the perception of and responses to the poor in eighteenth century New York City. It is her contention that the Almshouse and its setting demonstrated a popular concern for the welfare of the poor (Baugher 2001, 2009).

Additional construction works in City Hall Park between 1989 and 1998 have required archaeological monitoring. Hunter Research undertook a project in 1994, which was technically not within the park itself but just north of Tweed Courthouse, along Chambers Street. The project resulted in the recovery of over 4000 artifacts from various mixed contexts (Hunter 1994).

Following field work, Hunter Research was engaged to conduct an extensive map and site history of City Hall Park. The goal of this study was to identify the location and extent of historic structures on the property. The Hunter Research report includes several composite maps that show the configuration of City Hall Park during different time-periods. This map was later modified to include information from the 1998-1999 excavations at City Hall Park (Map 02). Additionally, it contained an inventory of all the known structures that are documented to have stood on the property. This inventory included physical descriptions and measurements where available (Hunter 1998).

¹ A listing of all the cultural resource management reports on file with the City of New York – Landmarks Preservation Commission related to City Hall Park is located in the reference section of this plan.

The report presents a heavily used and densely populated property. Several structures, all documented to house large numbers of people, occupied the property simultaneously. Most prominent of these structures are the First Almshouse, the Gaol (Jail), the Bridewell and a series of barracks structures. While there is some mention of fences that possibly delineated portions of the property there was no determinative evidence of this either in primary documentary sources or archaeologically (Hunter 1998).

The archaeological testing by Parsons Environmental, in 1999, has been the most extensive work undertaken on the site to date. This occurred as part of the complete renovation of City Hall Park. The archaeological testing documented and confirmed the relatively undisturbed nature of archaeological deposits on the property. Many deposits, including burials were found within 1' - 2' feet of the surface. Analysis demonstrated that the majority of archaeological materials were concentrated in an area dedicated to refuse disposal during the historic period of occupation (Loorya, *in process*). This area, which was not fully excavated in 1999, is located east and northeast of City Hall (Map 02).

Basement/Interior Underpinning (Area of Potential Effect (APE) 1)

Prior to the construction of City Hall this area was occupied by the First Almshouse (1735-1797). It is likely that excavation for the basement of City Hall disturbed, or destroyed, a significant portion of the Almshouse foundation. However, it is not known how deep the Almshouse foundation extended or whether or not it had a basement. The basement of City Hall extends approximately six feet (6') below current grade. In preparation for the actions proposed in this plan, test probes were conducted in the basement. Although the specific report has not been reviewed, it was reported that brick remnants were identified in several of the probes (Map 03).

Excavation to locate existing utility lines (Area of Potential Effect (APE) 2)

Project plans call for an upgrade to the existing electrical utility which runs west to east from Broadway into City Hall (Map 03).

The upgrade is proposed to be an in-kind replacement that would keep within the boundaries of the existing utility trench. However, it has been stated that the upgrade may require the pre-existing trench to be expanded.

The area of the existing utility trench is just south of the supposed location of the Bridewell (1775-1803).

Archaeological testing in 1999 identified a segment of the Bridewell's northern foundation wall. A brick cistern, associated with the construction and early occupation of City Hall was also identified in this general vicinity.



As part of the utility upgrade a five foot by five foot by five feet deep (5' x 5' x 5') manhole will be installed in the area of the west path. It has also been proposed that the existing basement entrance along the western side of City Hall be modified/expanded to meet the Americans with Disability Act (ADA) code and to accept wheel-chair access. At this time plans are not available for the ramp and the specific impact is not known.

PROPOSED PHASE IB INVESTIGATION PROTOCOL:

The following testing protocol describes the cultural resource management tasks to be performed for impact areas. The proposed work will be conducted in accordance with the National Historic Preservation Act of 1966, as amended, and the Advisory Council on Historic Preservation's "Protection of Historic and Cultural Properties" (36 CFR 800). All work will also be conducted pursuant to New York State Office of Parks, Recreation and Historic Preservation (NY SHPO) guidelines for such projects (New York Archaeological Council [NYAC 1994]). The cultural resources specialists who will perform this work will satisfy the qualifications specified in 36 CFR 61, Appendix A. The Principal Investigator for the Stage IB investigations will be certified by the Register of Professional Archaeologists (RPA).

Phase IB fieldwork is designed to ascertain the presence/absence, type and extent of archaeological resources on a site. Its goal is to determine whether significant (i.e., National Register eligible) resources that could be adversely affected by project construction are extant within the project area.

The following sets forth the plan for Phase IB archaeological monitoring for this site, including a framework for research issues to be addressed and proposed fieldwork activities. It also discusses additional mitigation measures that would be undertaken should archaeological resources be encountered during the archaeological investigations, including artifact analysis, written reports, and further documentary research if necessary.

AREA OF POTENTIAL EFFECTS:

Basement/Interior Underpinning

The underpinning process will require the excavation of several areas along the northeastern foundation of City Hall. Additional excavation for the proposed sub-basement will extend an additional fourteen feet (14') below the current basement. If any foundation remnants associated with the Almshouse exist in this area they will likely be encountered during this process. Excavation along the exterior of City Hall has a moderate to high potential to uncover information regarding the construction City Hall and, potentially, the Alms House.

Excavations along foundations may uncover what is commonly referred to as the "builder's trench". It has been demonstrated that when "builder's trenches" are backfilled materials may be incorporated into the fill. These materials may provide information about the construction period and the myriad of research regarding the site formations that have been raised regarding City Hall Park. There is also the possibility that remains from the Alms House period may be uncovered in these areas as well.

Although it is the recommendation that an archaeologist be present to monitor the excavation along the exterior foundation of City Hall, based on email communication from the LPC on Wednesday, February 3, 2010, archaeological monitoring of this portion of the project will not be required. It was the determination of the LPC that:

“...it is unlikely that significant archaeological resources will be impacted by this work and so we do not recommend archaeological testing or monitoring.”
(Sutphin 2009).

However, it is the recommendation of this plan, and LPC, an archaeologist be on call and that the project has an Unanticipated Finds Plan (attached), in the event that unanticipated cultural resources finds are uncovered. This plan details the protocols to be followed should unanticipated discoveries be made and bringing in the archaeologist(s) to investigate the find and coordinate with the City of New York Department of Design and Construction (DDC), the City of New York Department of Parks and Recreation (Parks) and Beyer Blinder Belle, Architects & Planners LLP (BBB), Hill International (Hill) and the LPC.

Excavation to locate existing utility lines

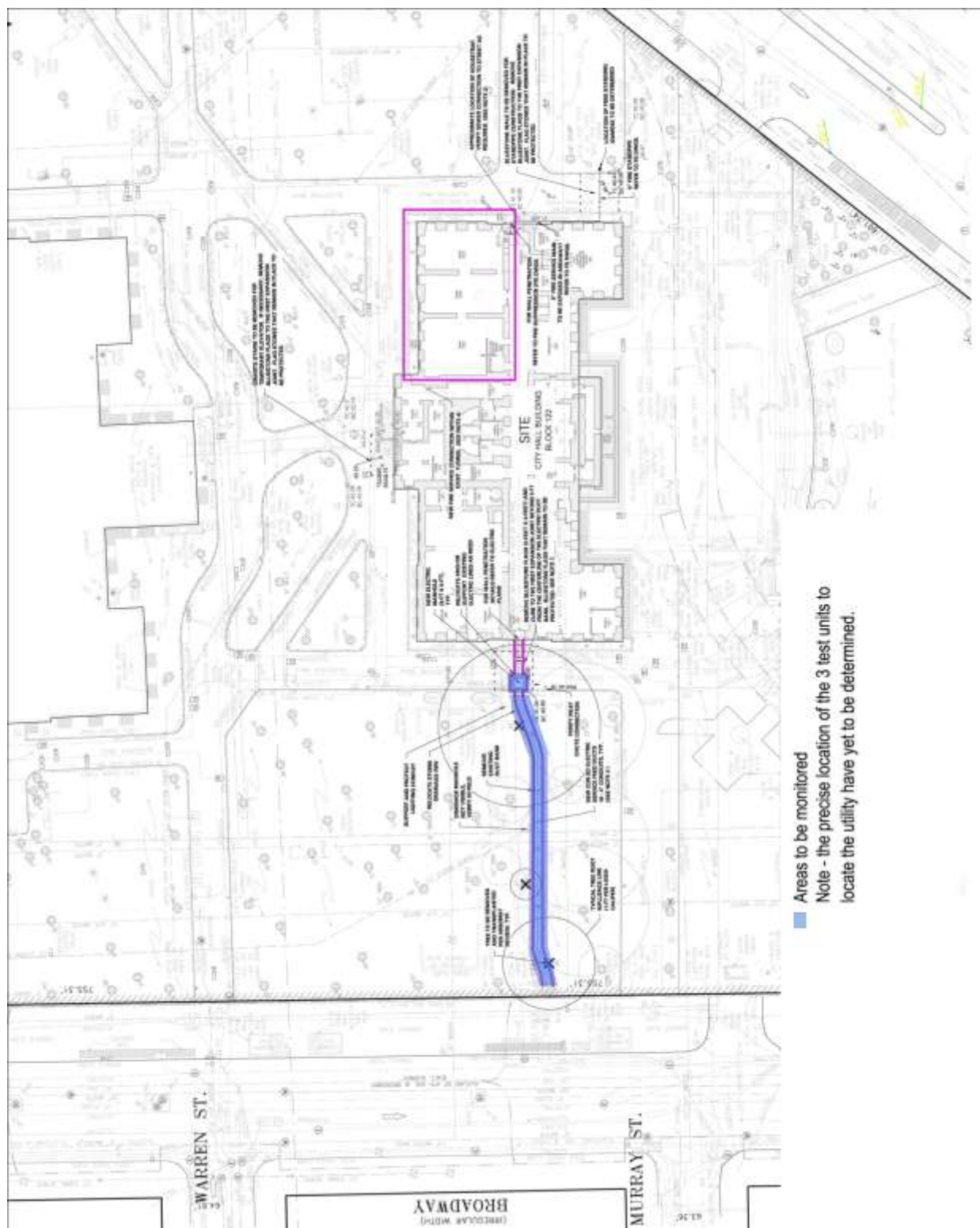
Current plans call for the contracted construction company to excavate three test pits to locate the utility prior to trenching for the upgrade work. Upon completion of the excavation of the test pits a final design and excavation plan for the utility trench will be determined. It is proposed to maintain the current location of the utility trench, but to slightly widen and deepen the trench, as necessary, to accommodate the proposed upgrades.

Archaeological Monitoring of the test pits to be excavated will occur. As the proposed construction plans call for three test pits to be excavated in succession, it is anticipated that one archaeological monitor will be needed for this work (Map 04).

In the event that potential significant material remains are uncovered the archaeologist will coordinate with LPC, DDC, PARKS, HILL and BBB as to define a testing protocol for the area prior to full excavation by the contractor. Depending on the outcome of the coordination, Phase IB or II archaeological testing along the utility trench line may be required.

If the initial test pits do not reveal potentially significant material remains, it may still be recommended that the larger excavation for the utility trench should be monitored. The potential to uncover significant material remains is high for this area and monitoring will insure that if remains are uncovered, the on-site archaeologist can document the discovery. The LPC may require additional monitoring based upon the results of the testing and the utility installation plans that are developed.

As part of the utility upgrade a five foot by five foot by five foot (5' x 5' x 5') utility box is to be installed along the western path. It is recommended that the excavation for this upgrade be monitored.



Map 04: Area of Archaeological Monitoring

It has also been proposed that the existing basement entrance along the western side of City Hall be modified to be ADA accessible. Monitoring of the excavation of this area is recommended as well as it may be possible to uncovering information regarding the construction of City Hall itself and/or the Alms House. If significant material remains are uncovered, as with the utility trench area, coordination between LPC, DDC, PARKS, HILL, BBB and the contractor will be initiated to determine the best methodology for the recovery of information. However, there are currently no construction plans available for this work. However, monitoring of the excavation should be taken into consideration once work plans are drafted and the impact can be determined.

RESEARCH ISSUES:

Historical research identifies the period from 1737 to 1811 as the most active and densely populated period of City Hall Park's history, then known as the Common. This period reflects the beginning of institutional use with the establishment of the First Almshouse in 1735 and the end of such use with a definitive shift toward legislative use (i.e. the seat of government) following the construction of City Hall in 1811.

Based upon the known history of City Hall Park, or the Common, several avenues of research can be explored through historical and archaeological analysis. These have been documented in the several reports to date on City Hall Park. Among the historical, social and cultural research possibilities that may be considered are 1) the history of the Commons as cultural space; 2) institutional archaeology; 3) barracks/military archaeology and 4) city sanitation.

The areas that will be impacted during this project are located in the vicinity of the First Almshouse (1735 - 1797) and the Bridewell (1775 - 1838). These two municipal institutions housed the poor, orphans and the indigent and prisoners respectively. Some historians allude that conditions in almshouses and perceptions of the poor were on par with those of prisoners. The City of New York *Minutes of the Common Council* state that crowded conditions led to a comingling of Almshouse and Bridewell residents.

Though a significant, dedicated area for refuse disposal has been identified within the Common it would be imprudent to assume that smaller refuse deposits or sheet deposits don't exist elsewhere on the property. An area of the former location of the gaol (jail) contained a sheet deposit that was likely the result of accumulative use of the area and/or dropped materials that were destined for the dedicated disposal area. There also remains a potential that the building foundations of these, and several other structures, still exist beneath the surface. Uncovering this can provide confirmation and/or clarification of the layout and use of the property during different time periods.

The Bridewell remained extant, though its function changed, during the construction of and during the early years of City Hall. With the construction of City Hall, the overall use of the property shifted and there were infrastructural developments throughout the property. Among these was the construction of a series of brick cisterns. Though several were uncovered in previous excavation, the inter-relation of the cisterns to one another and to City Hall itself remains indeterminate.

This project, and any future projects within City Hall Park, have the opportunity to add to the already sizable assemblage that exists. The existing collection includes several primary context features. Adding to that collection may further lend itself to an ongoing multi-faceted historical archaeological study of the property and its inhabitants during the period of occupation. Appendix A contains a list of several Cultural Resource Management (archaeological) site reports from City Hall Park.

ARCHAEOLOGICAL MONITORING:

Archaeological monitoring is defined as “the supervision by an archaeologist of a construction project’s excavation. The purpose is to insure that archaeological resources are not disturbed or that unforeseen discoveries are handled properly. Monitoring is used in cases where there is a possibility that the excavation might uncover archaeological resources but there is no satisfactory way to sample the site, and consequently, no valid way to determine where the resources might be.” (LPC 2002:13).

Archaeological monitoring will be provided during excavation of the utility test pits, and/or other areas of subsurface work that LPC may require, in order to ensure that archaeological resources are not overlooked and that all cultural resources encountered during construction are adequately protected from unnecessary impacts. Monitoring is conducted so that the impacted resources are adequately recorded prior to construction. All monitoring activities will be in compliance with the LPC’s Guidelines for Archaeological Work in New York City (2002) and NYAC’s Guidelines for the Use of Archaeological Monitoring as an Alternative to Other Field Techniques.

The areas being monitored have been previously impacted by the construction of the existing structure and utility installations. Proposed plans require the archaeological monitoring of three test pits and excavation for the utility box. Depending on the size and number of construction activities, one or more archaeologist may be present to monitor excavation activities located in archaeologically sensitive areas within archaeologically sensitive depths. The archaeologist will observe construction localities cited above and will record all archaeological resources, or suspected resources, uncovered during construction activities. Recordation will include vertical and horizontal location of all resources encountered. Furthermore, the archaeologist will also maintain drawings, photographs, and descriptions of all encountered resources as well as an up-to-date log of all monitoring activities, including the date, time and duration of all monitoring episodes, accompanied with a description of the activity being monitored.

In the event that archaeological deposits are encountered, the archaeologist will be permitted to halt excavation to examine the soil and/or potential resource in the trench more closely. The archaeologist will be permitted to halt excavation for a period of up to eight hours (8) to allow time for photography, drawing of profiles, screening of removed soil for artifacts, removal of soil samples, hand excavation, and any other actions deemed necessary to determine the nature, extent, and potential significance of the discovery. If more than eight hours (8) are required to document an intact deposit the archaeologist will notify and consult with all construction personnel, BBB, HILL, DDC, PARKS and LPC, of the additional time needed.

If work stoppages occur: the construction contractor may only relocate to an area where archaeological monitoring is not required. However, if excavation is to occur in another potentially sensitive area, additional archaeological staff will be brought on site to monitor this area while work documenting the intact deposit occurs.

If the resources encountered do not appear significant the on-site professional archaeologist will notify LPC. Following this notification the appropriate construction personnel will be informed when construction may be resumed.

If intact historical resources are encountered, additional documentary and archaeological research may be necessary in order to further understand the potential significance of the resources.

IF INTACT ARCHAEOLOGICAL DEPOSITS ARE FOUND:

If resources are encountered that are determined by the on-site archaeologist to be potentially significant, e.g. appearing to meet eligibility criteria for listing on the National Register of Historic Places (NR-eligible), the archaeologist will notify all agreed upon relevant parties, including, but not limited to, LPC, DDC, PARKS, HILL, BBB and the contractor.

LPC will be consulted to determine if further field testing and/or mitigation is necessary. If no additional testing is required, the archaeologist will notify the construction contractor/manager that work may resume once documentation of the resources has been completed. The construction contractor should plan, schedule, and execute their work in a manner that such work stoppages will not result in a total shutdown of any construction work.

DETERMINATION OF NATIONAL REGISTER ELIGIBILITY:

If this phase identifies potential City, State or Federal NR-eligible resources that will be impacted by the Project, additional Phase II or III (mitigation) work may be required. If required, and depending on the type and extent of resources encountered, a new scope of work and contract for appropriate mitigation measures will need to be created in consultation with LPC, DDC, PARKS, HILL, BBB and the contractor.

METHODOLOGY:

During all excavation, assistance will be provided to the archaeological team by the construction personnel, if needed. This may include, but would not be limited to, pumping water from excavation areas, shoring trenches, meeting all OSHA regulations, and machine excavating non-sensitive levels to further reveal the resource(s). Construction personnel will allow the archaeologist access to the excavation area at a maximum of 60-minute intervals as requested to enter and observe soils and stratigraphy within the excavation area.

In the event that archaeological deposits are encountered, professional standards for excavation, screening, recording of features and stratigraphy, labeling, mapping, photographing, and cataloging will be applied.

Documentation of archaeological deposits may require soil sampling or the excavation of a test unit. All soils from the test units will be screened through ¼-inch-mesh hardware cloth and excavated by natural strata. Soils from both the trenches and units will be described using the Munsell color system and standard texture classifications. All artifacts recovered during screening will be retained, with the exception of bulk materials such as concrete rubble, brick, large metal objects, ash coal, cinders, and slag. In the case of such materials, a sample will be described from each provenience and the remainder will be quantified and discarded in the field. Recovered artifacts will be bagged according to their unique provenience and transported to the laboratory for processing, conservation, and analysis. An artifact catalog, recording the depth and location of each recovered artifact, will be created. Soil profiles, cultural features, etc. will be described, photographed in digital format and illustrated by measured drawings in metric scale in plan and vertical perspective, as appropriate.

HUMAN REMAINS:

Prior to the start of the project, the archaeologist will notify Dr. Bradley Adams of the City of New York - Office of the Chief Medical Examiner that excavation in City Hall Park will be occurring which has the potential of encountering human remains. The archaeologist will coordinate with Dr. Adams to develop a notification protocol with his office to ensure a timely response by all parties.

In the event that human remains are encountered during construction, the archaeologist will halt all construction activities in the area surrounding the find and contact LPC, DDC, PARKS, HILL, BBB and the contractor. Unless otherwise directed, DDC will immediately notify both the City of New York Police Department and the Office of the Chief Medical Examiner of the find. The DDC will notify other parties as directed by LPC or as indicated by city/state law. The archaeologist will contact the on-call forensic anthropologist. Once the law enforcement agencies have determined that they have no concerns regarding the remains, the archaeologist(s), will begin a more detailed archaeological assessment of the find's significance and the potential effect of construction.

If the find is determined to be an isolated, disarticulated, or displaced human bone(s) not part of a deliberate or isolated burial, such as is occasionally found in areas created by landfilling or in deposits of fill, or is completely disturbed by previous construction activities, LPC will be consulted to allow construction to resume, subject to any further mitigation that may be required by city, state, and/or federal law.

If it is determined that intact, or potential intact interments are present, the forensic anthropologist will be brought on-site to document the interment(s). This does not include removal of the burial. LPC requires that all burials be protected in place and construction be redesigned to avoid impacting them. If this redesign is not possible, then LPC must review and approve the excavation at a public hearing. Additionally an archaeological mitigation plan must be developed in consultation with and approved by LPC.

ARTIFACT ANALYSIS AND CURATION:

All artifacts will be cleaned and catalogued. Historical artifacts will be analyzed in terms of material type, form, function, and temporal attributes (e.g., Noël Hume 1969, South 1977, Miller 1991). Detailed analysis will include the identification of the Terminus Post Quem (TPQ) of artifacts for each context and the mean beginning and end dates for assemblages. This information will be used to establish context and to determine whether assemblages represent primary or secondary deposits.

Any artifact collection removed from the project site will be the property of the project site owner, in accordance with NYAC, the New York State Office of Parks, Recreation and Historic Preservation (NY SHPO) and LPC guidelines, in this instance, PARKS, the operator of City Hall Park. CAC will properly prepare the collection for curation. Upon completion of the laboratory analysis the artifacts will be returned to PARKS for long-term curation. It is the responsibility of PARKS to arrange for the long-term curation of the collection in an appropriate facility, such as the New York State Museum, or other comparable facility. It is recommended that any artifacts recovered be stored with the collection from the 1999 excavation, currently stored at the Brooklyn College Archaeological Research Center (BC-ARC), Brooklyn College, CUNY, Brooklyn, New York.

REPORT RESULTS:

A report documenting the results of the monitoring and any other background and/or documentary research, field efforts, and artifact analyses will be prepared according to LPC Guidelines (2002) and the New York Archaeological Council standards (1994). In addition, the report will include determinations regarding the potential National Register eligibility of any artifact deposits and/or features and recommendations for additional investigations, if necessary.

Draft reports will be submitted to HILL, BBB, DDC, PARKS and LPC for comments and review. Regulatory approval lies with LPC. Upon approval of the draft report by LPC, a final report will be produced. Both digital and printed copies of the final report will be provided to all parties. Unless otherwise directed, each party will receive two printed and two digital copies of the final report.

ADDITIONAL DUTIES:

As part of the overall cultural resource management project, the archaeologist(s) will participate in coordination meetings that discuss excavation procedures, plans and schedules related to the areas of concern raised in this plan. The archaeologist(s), if requested, will provide in field update reports. Time sheets will be kept for both in field and off site work. Off site work includes, but is not limited to: creation of update reports, transcription of field notes, laboratory analysis, report writing and production, etc. Time sheets will be digitally submitted to BBB in accordance with a schedule determined by both parties. Finally, as outlined in the Unanticipated Discoveries Plan, the archaeologist(s) will conduct a onetime training with the construction crew to inform them of the historic nature of the property and to advise them on what cultural resource remains may be uncovered within City Hall Park.

REFERENCES/EMAIL:

City of New York – Landmarks Preservation Commission.

2002 Archaeological Guidelines for work within the City of New York.
Report on file - City of New York – Landmarks Preservation Commission.
New York, New York.

Sutphin, Amanda.

2009 Email from February 3, 2010 see below:

From: "Amanda Sutphin" <ASutphin@lpc.nyc.gov>

Date: Wed, 3 Feb 2010 15:55:02 -0500

To: Cali Jr., Salvatore<CaliS@ddc.nyc.gov>

Cc: Larry Gutterman<LGutterman@BBBARCH.com>; Kelly (CityHall), Philip<pkelly1@cityhall.nyc.gov>; Gregory Biesiadecki<gbiesiadecki@Langan.com>; Jared Knowles<JKnowles@lpc.nyc.gov>; Mary Beth Betts<MBetts@lpc.nyc.gov>

Subject: Archaeological Issues for North Wall Section

Hello:

Based on my conversation with Greg Biesiadecki of Langan, and the drawing he provided today of the section of the north end of the areaway from S-204, it is my understanding that one foot will be excavated to the north of the existing area way retaining wall on the NE side of City Hall and that every eight feet along the length of the wall, two feet will be excavated north of the retaining wall for the soldier piles. Given this understanding, it is unlikely that significant archaeological resources will be impacted by this work and so we do not recommend archaeological testing or monitoring.

However, we recommend that an unanticipated discovery plan be developed in the event that we are wrong and something of potential archaeological significance is encountered during this work. The plan should note that excavation would stop in the area of discovery and the consultant archaeologist would be called to come to the site to evaluate the discovery as well as LPC. Based on our meeting of 1/20, I know Chrysalis is now working on this and we would like to review it when it is completed.

Best,
Amanda

Amanda Sutphin, RPA
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Appendix A:

Cultural Resource Management (archaeological) Reports on City Hall Park

Bankoff, H. Arthur and Alyssa Loorya.

- 2008 The History and Archaeology of City Hall Park.
Report on file – City of New York Landmarks Preservation Commission. New York, New York.

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- 1990 The Archaeological Investigation of the City Hall Park Site, Manhattan. For: The New York City Department of General Services. LP-1901.
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Grossman and Associates, Inc.

- 1988 Archaeological Sensitivity Evaluation and Testing Recommendations for the Proposed Subterranean Utilities Corridor Between City Hall and Tweed Court House, City Hall Park, New York City.
Report on file – City of New York Landmarks Preservation Commission. New York, New York.

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- 1991 The Buried History of City Hall Park: The Initial Archaeological Identification, Definition and Documentation of Well-Preserved Eighteenth Century Deposits and the Possible Structural Remains of New York City's First Almshouse.
Report on file – City of New York Landmarks Preservation Commission. New York, New York.

Hartgen Archaeological Associates, Inc.

- 2004 Archaeological monitoring Con Edison utility trenches, Chambers Street, Manhattan. Prepared for Consolidated Edison. Report on file with the City of New York Landmarks Preservation Commission. New York, New York.

Hunter Research, Inc.

- 1994 Analysis of Cultural Materials Including Human Skeletal Remains Retrieved from Soils Originating from Chambers Street North of Tweed Courthouse at City Hall Park. Borough of Manhattan, New York City. LPC 96-0856, SR94-0004, LPC 93-2917; LP-1901. Report on file – City of New York Landmarks Preservation Commission. New York, New York.

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London, Marilyn R.

- 2004 New York City Hall Park: Analysis of Partial, Scattered and Incomplete Human Skeletal Remains Recovered During the 1999 Renovation of the Park Report on file – City of New York Landmarks Preservation Commission. New York, New York.

Loorya, Alyssa.

- In press The History of Archaeology of City Hall Park. Doctoral Dissertation. Department of Anthropology and Archaeology, the City University of New York's Graduate Center. New York, New York.

Parsons Engineering Science

- 1999a *Reconstruction of New York City Hall Park: The Archaeological Sensitivity of Proposed Construction Impacts*. Prepared by Parsons Engineering Science for Barney Skanska USA and City of New York Department of Parks and Recreation. Report on file with the City of New York - Department of Parks and Recreation – Olmsted Center. Queens, New York.
- 1999b *New York City Hall Park Reconstruction Project: Archaeological Excavations and Monitoring, Preliminary Report*. Report on file with the City of New York - Department of Parks and Recreation – Olmsted Center. Queens, New York.
- 2000a *New York City Hall Park Reconstruction Project: Background and Scope of Field Research*. Report on file with the City of New York - Department of Parks and Recreation – Olmsted Center. Queens, New York.
- 2000b *New York City Hall Park Reconstruction Project: Archaeological Excavations and Monitoring, Revised Preliminary Report*. Report on file with the City of New York - Department of Parks and Recreation – Olmsted Center. Queens, New York.

Redding, Mark, Mauricio Ferreira, Kate Morgan and Anthousa Ridge.

- 1995 City Hall Park/2 Archaeological Site Report: The J.C. Decaux Public Lavatory Pilot Installation Project in NYC's City Hall Park. Report on file – City of New York Landmarks Preservation Commission. New York, New York.

CHRYSA LIS ARCHAEOLOGICAL CONSULTANTS

Cultural Resource Specialists



To: Larry Gutterman, AIA, LEED AP, Associate Partner
Beyer Blinder Belle- Architects & Planners LLP
From: Alyssa Loorya and Christopher Ricciardi/Chrysalis Archaeological Consultants, Inc.
Date: May 12, 2010
Re: City Hall – Archaeological Scope of Work/Monitoring Plan – Addendum 01 –
Basement Extension Test

INTRODUCTION:

This memorandum serves as Addendum 01 to the City Hall – Archaeological Monitoring Plan (Loorya and Ricciardi 2010). The Unanticipated Finds and Human Remains Protocol plan remains as is. These plans were previously approved by the City of New York – Landmarks Preservation Commission (LPC).

City Hall is a landmarked structure located in City Hall Park, New York, New York. City Hall Park, having been occupied by municipal institutions since the early eighteenth century, has a proven high level of archaeological sensitivity and significance and is part of the African Burial Ground and the Commons Historic District. As such, the LPC requires that cultural resource management issues be incorporated into construction proposal that include sub-surface work as actions such as these require a permit from the LPC.

The original Scope of Work for Phase I of the City Hall Renovation project recommended a combination of archaeological testing and monitoring in specific areas based on the proposed construction plans. Since approval, the originally proposed construction plans have been modified.

PROJECT DESCRIPTION (UPDATED):

Sub-Basement/Foundation Underpinning

The original plans for the sub-basement construction included excavation along the northeastern end of City Hall extending no more than one foot (1') from the existing retaining wall and two feet (2') from the existing building foundation. It was determined by the LPC that this area had been previously impacted by the construction of the City Hall and archaeological testing and/or monitoring was not required. However, the LPC also stated that if the proposed plan changed, monitoring and/or testing may be required based on the revised information.

An increase in the number of electrical conduits required to service the building required the original plans to be modified. The revised plans now call for the excavation to extend approximately five feet (5') from the retaining wall along an approximate thirty foot (30') length of the north side of the building beginning at the eastern end of City Hall. The approximate impact depth will be fourteen feet (14') below grade.

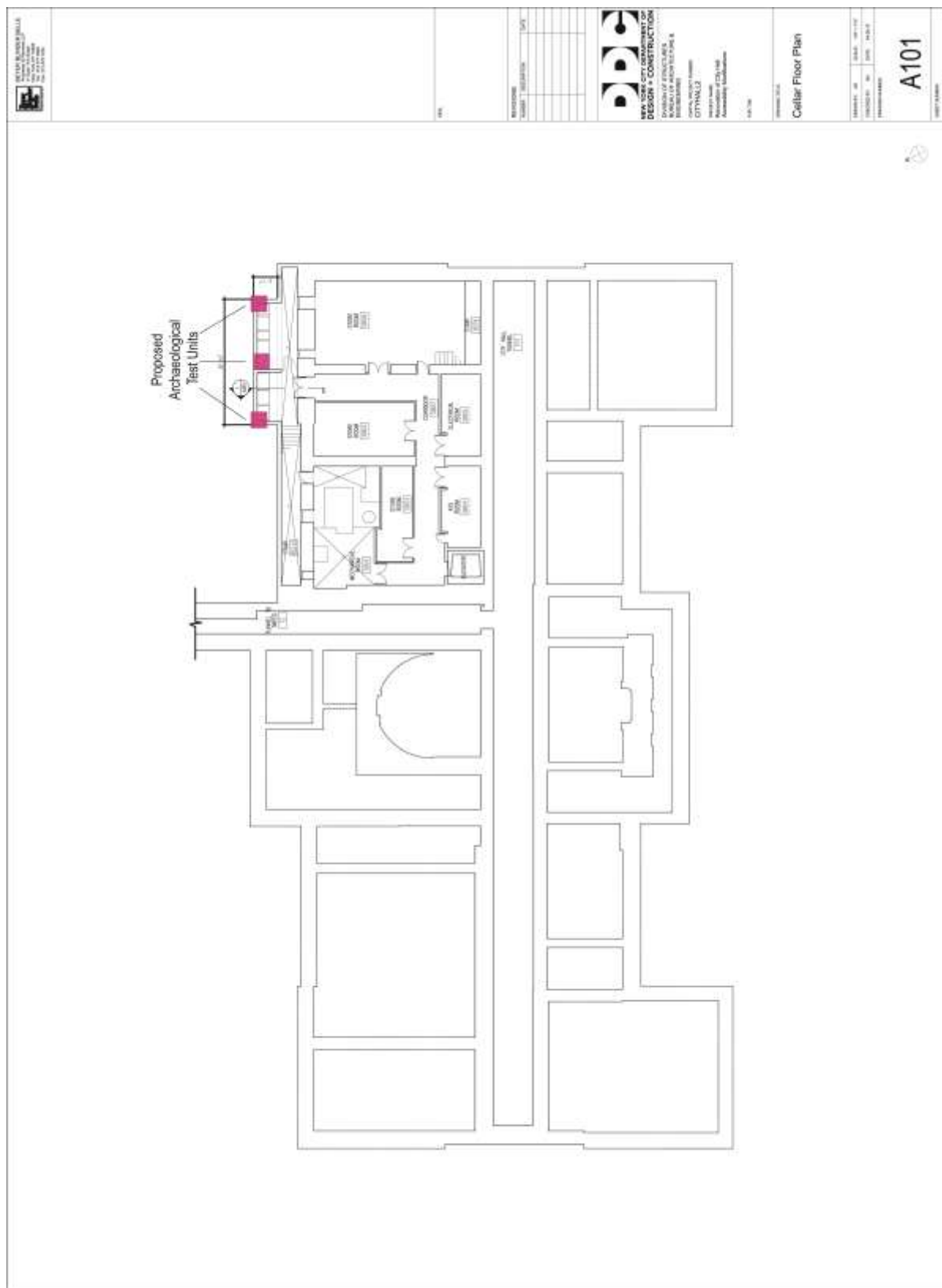
In consultation with the LPC and the project planners, it was determined that three test units would be excavated along the thirty foot length of the proposed excavation trench. Additionally, if in situ, significant, buried cultural resources are uncovered during this testing, in consultation with the LPC, additional test units or expansion of the testing area may be required (Map 01).

The proposed work will be conducted in accordance with the Guidelines for Archaeology as set forth by the LPC, and the National Historic Preservation Act of 1966, as amended, and the Advisory Council on Historic Preservation's "Protection of Historic and Cultural Properties" (36 CFR 800). All work will be conducted pursuant to New York State Office of Parks, Recreation and Historic Preservation (NY SHPO) guidelines for such projects (New York Archaeological Council [NYAC 1994]). The cultural resources specialists who will conduct this work will satisfy the qualifications specified in 36 CFR 61, Appendix A. The Principal Investigator for the Phase IB investigations will be certified by the Register of Professional Archaeologists (RPA).

SUMMARY OF ARCHAEOLOGICAL SENSITIVITY:

As detailed in the original Scope of Work (Loorya and Ricciardi 2010), New York City Hall is a New York City, New York State and National Historic Landmark. Designed by McComb and Mangin, City Hall was built from 1803 to 1811. The property occupied by City Hall also has a great deal of historic significance. Formerly known as the Common, it was utilized as early as 1692 and was heavily used and densely populated throughout the last three quarters of the eighteenth century. Since 1735, with the construction of the First Almshouse, the property has been occupied by various municipal institutions. During the Revolutionary War, British soldiers were barracked on site. Institutional use continued until the turn of the nineteenth century, when the focus began to shift toward governmental use.

The area of City Hall was originally occupied by the First Almshouse (1735-1797). The footprint of City Hall encompasses the footprint of the Almshouse and it is likely that excavation for the basement of City Hall disturbed, or destroyed, the Almshouse foundation. The basement of City Hall extends approximately six feet (6') below current grade but it is not known how deep the Almshouse foundation extended or whether or not it had a basement. In preparation for the underpinning process, as discussed in the original plans, test probes were conducted in the basement. It was reported that brick remnants were identified in several of the probes.



The property surrounding the Almshouse was used for a variety of activities by inmates. It is possible that the rear of the property contained a privy, and potentially other outbuildings, that may have been part of the complex. It is not known if the rear of the property was ever used for burials. If any foundation remnants associated with the Almshouse remain in this area they will likely be encountered during the proposed construction.

Excavations along the foundation of City Hall may uncover what is commonly referred to as a “builder’s trench”. It has been demonstrated that when “builder’s trenches” are back-filled cultural materials may be incorporated into the fill. These materials may provide information about the construction period and the site formation of City Hall Park. Excavation along the exterior of City Hall has a moderate to high potential to uncover information regarding the construction City Hall and, potentially, the Almshouse.

Additionally, any impacts, protocols and cultural resource work, as defined in the earlier scope, remains in effect as well.

ARCHAEOLOGICAL TESTING AND METHODOLOGY:

Three archaeological test pits will be excavated in the area of the proposed duck bank. Each unit will measure three feet by three feet (3’ x 3’) with the possibility of expanding to five feet by five feet (5’ x 5’), if necessary, and will be excavated to a depth of eight feet (8’) or to sterile soil. All test units will be hand excavated by crew to be provided by DDC, BBB, Hill and Rockmore. No excavation for these units will occur without the direction and supervision of the archaeologist. The archaeological team will consist of the Principal Investigator/Field Director and, as needed, a field technician to assist. The archaeologist will observe the excavation and will record all archaeological resources, or suspected resources, uncovered. Recordation will include vertical and horizontal location of all resources encountered. Furthermore, the archaeologist will also maintain drawings, photographs, and descriptions of all encountered resources.

During excavation construction personnel will assist the archaeological team as needed. This may include, but is not limited to, excavation, shoring of test units and aide in meeting all OSHA regulations such as OSHA approved safe access to the excavation area.

Test units will be excavated stratigraphically. All soils will be screened through ¼-inch-mesh hardware cloth and excavated by natural strata. Soils will be described using the Munsell color system and standard texture classifications. All artifacts recovered during screening will be retained, with the exception of bulk materials such as concrete rubble, brick, large metal objects, ash coal, cinders, and slag. In the case of such materials, a sample will be described from each provenience and the remainder will be quantified and discarded in the field. Recovered artifacts will be bagged according to their unique provenience and transported to the laboratory for processing, conservation, and analysis. An artifact catalog, recording the depth and location of each recovered artifact, will be created. Soil profiles, cultural features, etc. will be described, photographed in digital format and illustrated by measured drawings in metric scale in plan and vertical perspective, as appropriate.

If resources are encountered that are determined by the on-site archaeologist to be potentially significant, the archaeologist will notify all agreed upon relevant parties, including, but not limited to, LPC, DDC, BBB and HILL. If deemed necessary, in consultation with LPC, the excavation area of the test units may be expanded.

If intact cultural/historic resources are encountered, additional documentary and archaeological research may be necessary in order to further understand the potential significance of the resources. LPC will be consulted to determine if further field-testing, documentary research and/or mitigation is necessary in those instances.

ARTIFACT ANALYSIS AND CURATION:

All artifacts will be cleaned and catalogued. Historical artifacts will be analyzed in terms of material type, form, function, and temporal attributes (e.g., Noël Hume 1969, South 1977, Miller 1991). Detailed analysis will include the identification of the Terminus Post Quem (TPQ) of artifacts for each context and the mean beginning and end dates for assemblages. This information will be used to establish context and to determine whether assemblages represent primary or secondary deposits.

Any artifact collection removed from the project site will be the property of the project site owner, in accordance with NYAC, the New York State Office of Parks, Recreation and Historic Preservation (NY SHPO) and LPC guidelines, in this instance, PARKS, the operator of City Hall Park. Chrysalis Archaeology will properly prepare the collection for curation. Upon completion of the laboratory analysis the artifacts will be returned to PARKS for long-term curation. It is the responsibility of PARKS to arrange for the long-term curation of the collection in an appropriate facility, such as the New York State Museum, or other comparable facility. It is recommended that any artifacts recovered be stored with the collection from the 1999 excavation, currently stored at the Brooklyn College Archaeological Research Center (BC-ARC), Brooklyn College, CUNY, Brooklyn, New York.

HUMAN REMAINS:

The protocol for actions to occur in the event that human remains are uncovered during this, or any, phase of the project, is fully documented in the LPC approved Unanticipated Discoveries and Human Remains Protocol (Loorya and Ricciardi 2010).

To summarize, prior to excavation, coordination with Dr. Bradley Adams of the City of New York - Office of the Chief Medical Examiner that excavation in City Hall Park will be occurring which has the potential of encountering human remains will be undertaken. The archaeologist will co-ordinate with Dr. Adams to develop a notification protocol with his office to ensure a timely response by all parties.

In the event that human remains are encountered during construction, the archaeologist will halt all activities in the area surrounding the find and contact LPC, DDC, PARKS, BBB and HILL. Unless otherwise directed, DDC will immediately notify both the City of New York Police Department and the Office of the Chief Medical Examiner of the find. The DDC will notify other parties as directed by LPC or as indicated by city/state law. The archaeologist will contact the on-call forensic anthropologist. Once the law enforcement agencies have determined that they have no concerns regarding the remains, the archaeologist(s), will begin a more detailed archaeological assessment of the find's significance and the potential effect of construction.

If the find is determined to be an isolated, disarticulated, or displaced human bone(s) not part of a deliberate or isolated burial, such as is occasionally found in areas created by landfilling or in deposits of fill, or is completely disturbed by previous construction activities it will be removed. LPC will be consulted to determine if any further mitigation may be required by city, state, and/or federal law.

If it is determined that intact, or potentially intact interments are present, the forensic anthropologist will be brought on-site to document the interment(s). This does not include removal of the burial. LPC requires that all burials be protected in place and construction be redesigned to avoid impacting them. If this redesign is not possible, then LPC must review and approve the excavation at a public hearing. Additionally an archaeological mitigation plan must be developed in consultation with and approved by LPC.

REPORT RESULTS:

A Technical Memo will be produced documenting the results of the archaeological testing of this area. The Technical Memo will be prepared according to LPC Guidelines (2002) and the New York Archaeological Council standards (1994). In addition, the Technical Memo will include recommendations for additional investigations, if necessary.

The Technical Memo will be submitted to BBB, DDC and LPC for comment and review. Regulatory approval lies with LPC. Both digital and printed copies of the Technical Memo will be provided to all parties. Upon completion of the overall project, all Technical Memo's will be incorporated into the draft and final site reports.

Finally, this, and all Technical Memo's from the various phases of the City Hall Park restoration will be incorporated into a final Phase IB Report for the project.

REFERENCES:

Loorya, Alyssa and Christopher Ricciardi.

2010a City Hall – Archaeological Scope of Work/Monitoring Plan and Unanticipated Discoveries and Human Remains Protocol. Report on file – City of New York – Landmarks Preservation Commission. New York, New York.

CHRYSLIS ARCHAEOLOGICAL CONSULTANTS

Cultural Resource Specialists



To: Larry Gutterman, AIA, LEED AP, Associate Partner
Beyer Blinder Belle- Architects & Planners LLP
From: Alyssa Loorya and Christopher Ricciardi/Chrysalis Archaeological Consultants, Inc.
Date: March 2, 2010
Re: City Hall – Unanticipated Discoveries and Human Remains Plan - REVISED

City Hall Park is within the African Burial Ground and the Commons Historic District which is an archaeological historic district designated by LPC. As such, all sub-surface construction works and impact are subject Landmarks Law with regard to archaeology. Plans for all subsurface work proposed for City Hall Park must be reviewed and approved by LPC before it that work may occur. LPC must issue a permit for such work.

The Unanticipated Discoveries Plan is to be used as a guide for the construction company during portions of the Renovation of City Hall project that are not required to be monitored by the archaeologist(s). Unanticipated Discoveries resources are defined as any cultural resources found during construction in any portion of the project site not monitored by the archaeologist. Cultural resource discoveries that require immediate reporting and notification to Beyer, Blinder, Belle (BBB), Hill International (Hill) and the construction coordinator include, but are not limited to, human remains and recognizable, potentially significant concentrations of artifacts, features, or other evidence of human occupation.

All work to be conducted as part of this Plan will be performed by an archaeologist(s) that meets the professional qualifications as outlined in the LPC guidelines (LPC 2002:7). These qualifications are also applicable to any specialists whose services may be required as part of this project.

BBB and/or Hill and their construction coordinator will appoint a Resident Engineer (RE), who is a member of the Supervisory team, to coordinate with the professional archaeologist for implementation of the Unanticipated Discovery Plan. The RE will obtain, review, and file on site this Unanticipated Discoveries Plan. The RE will initiate implementation of the Unanticipated Discoveries Plan by sponsoring an awareness session with the on-site construction management personnel, equipment operators and laborers prior to the beginning of excavation. The on-call archaeologist will conduct the awareness session to ensure the proper dissemination of information. Attendance at this session should be mandatory for any personnel working on the project.

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Cultural resource discoveries, that require reporting and notification to the Resident Engineer include:

1. Any human remains, i.e. all skeletal (components or intact) and/or coffin, coffin parts/furniture, interments
2. Any recognizable, potentially significant concentrations of artifacts, features, or other evidence of human occupation. Examples include, but are not limited to: areas where concentrations of cultural resource (artifact) remains are uncovered including material remains such as pottery, glass, shells, architectural materials (bricks), faunal (bone) remains, etc. Trash deposits from the many institutions that occupied City Hall Park may also be encountered in sheets or pockets below ground surface.
3. Infrastructure, Street Features and building remains, including but not limited to pre-twentieth century utilities and external fixtures, intact architectural features, wells, vaults and building foundations. Utilities installed below the ground in streets and sidewalks pre-dating the twentieth century may be important. There is a significant potential to uncover the remains of the various building structures that were located within current day City Hall Park. City Hall is constructed atop the location of the First Almshouse (1735-1797). Foundation remains constructed of stone or brick may be encountered.
4. Shaft Features: Shaft features, including but not limited to, wells, privies, and cisterns are typically round, square, or rectangular pits that are made of brick or stone. During the 1999 renovation of City Hall Park several brick cisterns were located at relatively shallow depths. These had been used during the early years of City Hall's occupation to provide water in case of fire and for other non-potable uses. Shaft features are often filled with trash deposits when they are no longer used and could include broken dishes, food remains, drinking glasses, and other objects such as nails or buttons.
5. Pre-contact Period Archaeological Resources: Native American resources that have been encountered in sites within the City of New York include, but are not limited to, shell heaps, pottery, stone tools (arrowheads, spear points) and stone flakes that are byproducts of tool-making.

In the event that previously unanticipated archaeological resources are found during construction in any portion of the project site, the following procedures will followed:

1. If the unanticipated discovery of artifacts or historic cultural resource remains, as defined above, occurs during construction, all work will immediately stop in the area of the find to protect the integrity of the find. Work may not resume in the area of the find until the archaeologist has provided BBB, Hill and/or the RE with permission to inform the construction crew to proceed with excavation work.

2. The construction contractor/foreman will immediately notify the designated on-site RE of the find.
3. The RE will immediately notify BBB, Hill, DDC, PARKS, LPC and the archaeologist of the find. The notification will include the specific location of the discovery within the disturbed area of the project site and the nature of the discovery. The RE will identify the location and date of the discovery on the project plans and have the location of the find flagged/fenced to insure its safety and the avoidance of impacts.
4. The archaeologist will coordinate an on-site archaeological consultation to evaluate the find.
5. The archaeologist will conduct an on-site assessment of the find. If necessary, the archaeologist will coordinate with the RE to direct the contractor to flag or fence off the archaeological discovery location and direct the contractor to continue work in another portion of the area.
6. The archaeologist will then promptly notify BBB, DDC, PARKS and LPC of the preliminary significance of the find.
7. The contractor will not restart work in the area of the indentified archaeological resource until the RE has granted clearance, after receiving word from the archaeologist that the archaeological resource has been fully examined.

Once the above procedures have been followed, further action will depend on the nature of the cultural resources uncovered. If the discovery is determined to lack significance by the archaeologist in consultation with LPC, then BBB and/or the RE will be informed of clearance for the contractor to resume work.

If the unanticipated find is determined to be culturally sensitive or significant, the following procedures will be followed:

1. The archaeologist will promptly notify LPC of the find. This notification will explain why the archaeologist believes the resource to be significant and will define a scope of work for further evaluation of the significance of the resource. All work to evaluate significance will be confined to the area of potential effect. Notification will also contain an evaluation of the project's effect on the resource.
2. The archaeologist will conduct a more detailed assessment of the cultural resource to determine its significance and the potential effect of construction.

3. The archaeologist will document the find in accordance with the LPC Guidelines for Archaeological Work within New York City. All work will also be conducted pursuant to New York State Office of Parks, Recreation and Historic Preservation (NY SHPO) guidelines for such projects (New York Archaeological Council [NYAC 1994]).

4. BBB/Hill/DDC will notify other parties, as directed by LPC, or as indicated by City/State law.

5. If, after further assessment, the find is determined to be significant, and continuing construction may damage more of the site, then the archaeologist, BBB, Hill, DDC and PARKS will consult with the LPC and other parties regarding further mitigation and appropriate measures for recovery and/or appropriate measures for site treatment. These measures may include, but are not limited to:

- Archaeological investigation of the resource;
- Visits to the site by the LPC and other parties;
- Preparation of a mitigation plan for approval by the LPC;
- Implementation of a mitigation plan;
- Approval to resume construction following completion of the fieldwork component of the mitigation plan.

Neither mitigation, nor construction work may proceed without LPC approval, which may include issuing a permit, of the mitigation plan.

6. If the find is determined to be isolated or completely disturbed by previous construction activities, the archaeologist will consult with the Resident Engineer, BBB, Hill, DDC, PARKS and LPC and will request approval to resume construction.

7. The RE will notify the construction contractor of clearance to resume work once all investigations have been completed.

UNANTICIPATED DISCOVERY OF HUMAN REMAINS PROTOCOL:

Human remains should be treated with great care and respect. Human remains may be encountered as primary burials or as fragmentary remains. As defined by LPC, “Primary burials are burials which have not been disturbed since interment or which have been only potentially disturbed. They may contain remains of coffins, complete skeletons, and artifacts associated with the burial such as shroud pins, buttons, or jewelry. Disarticulated bones, and fragments of bones, are considered to be fragmentary remains” (LPC 2002:18). Further, according to the New York Archaeological Council (NYAC) policy, the discovery of intact, in situ, articulated human remains and items of cultural patrimony as defined by Section 3001 of the Native American Graves Protection and Repatriation Act (NAGPRA) requires special consideration and care.

Prior to the start of the project, the archaeologist will notify Dr. Bradley Adams of the City of New York - Office of the Chief Medical Examiner that excavation in City Hall Park will be occurring which has the potential of encountering human remains. The archaeologist will coordinate with Dr. Adams to develop a notification protocol with his office to ensure a timely response by all parties.

In the event that suspected human remains and/or human remains are uncovered, the Resident Engineer will promptly flag and fence off the site and protect the site from damage and disturbance if human remains are discovered. At all times human remains must be treated with the utmost dignity and respect. The following procedures will be followed in the event that human remains are discovered:

1. The RE will notify the archaeologist, BBB, Hill, DDC and PARKS. The archaeologist will immediately notify LPC.
2. Unless otherwise directed, the RE will immediately notify both the City of New York Department of Police and the Medical Examiner’s Office of the find and will cooperate with both agencies fully.
3. Once, if, the Law Enforcement agencies have determined that they have no concerns regarding the remains, the archaeologist will begin a more detailed archaeological assessment of the significance of the remains and the potential effect of construction. The RE will notify other parties, including next of kin, if known, as directed by the LPC, or as indicated by City/State law.
4. If it is determined that intact interments are present and may be disturbed by continuing construction, then the archaeologist will consult with the LPC, and other parties regarding additional measures to avoid or mitigate further damage. These measures may include:

- Formal archaeological investigation of the site;
- Visits to the site by LPC and other parties;
- Preparation of a mitigation plan including procedures for disinterment, under the direction of a Forensic Anthropologist and re-interment, for approval by LPC;
- Implementation of the mitigation plan; and
- Approval to resume construction following completion of the fieldwork component of the mitigation plan and approval by LPC.

Neither mitigation, nor construction work may proceed without LPC approval, which may include issuing a permit, of the mitigation plan.

5. If the find is determined to be an isolated disarticulated, displaced human bone(s), such as is occasionally found in areas created by landfilling or in deposits of fill, or completely disturbed by previous construction activities, then the archaeologist will consult with the RE, LPC and other parties, and will request approval to resume construction, subject to any further mitigation that may be required by city, state and/or federal law.

6. The Resident Engineer will notify the Construction Contractor of clearance for the Contractor to restart work once granted.

REPORT RESULTS:

If investigations related to Unanticipated Discoveries and/or Human Remains occur, a report documenting the results of these investigations and any other background and/or documentary research, field efforts, and artifact analyses will be prepared according to LPC Guidelines (2002) and the New York Archaeological Council standards (1994). In addition, the report will include determinations regarding the potential National Register eligibility of any artifact deposits and/or features and recommendations for additional investigations, if necessary.

Draft reports will be submitted to HILL, BBB, DDC, PARKS and LPC for comments and review. Regulatory approval lies with LPC. Upon approval of the draft report by LPC, a final report will be produced. Both digital and printed copies of the final report will be provided to all parties. Unless otherwise directed, each party will receive two printed and two digital copies of the final report.

CHRYSLIS ARCHAEOLOGICAL CONSULTANTS

Cultural Resource Specialists



To: Larry Gutterman, AIA, LEED AP, Associate Partner
Beyer Blinder Belle - Architects & Planners LLP
From: Alyssa Loorya and Christopher Ricciardi/Chrysalis Archaeological Consultants, Inc.
Date: June 18, 2010
Re: City Hall – Bid Package 2 – Archaeological Comments

Chrysalis Archaeological Consultants, Inc., (Chrysalis), has reviewed the Second Bid Package information provided by Beyer Blinder Belle - Architects & Planners, LLP (BBB) on Thursday, June 17, 2010. The plan outlines the installation of new concrete pathways/ramps and fire stand pipes.

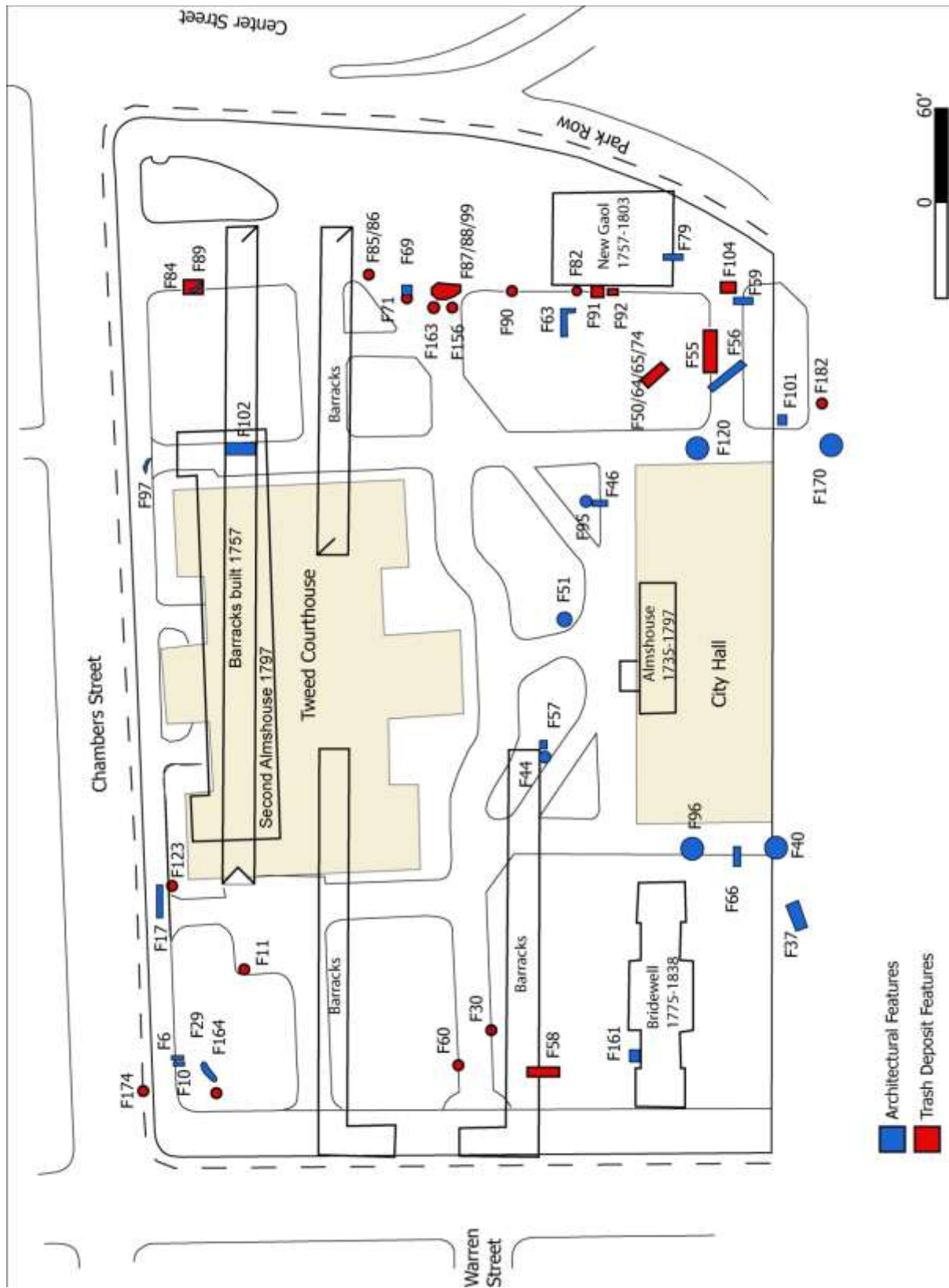
The Cultural Resource Management (Archaeological) Services states in that a pre-existing plan for this project area has already been developed. This work was not part of the original Scope that CAC reviewed. As such, a specific work plan for this area was not developed. However, the Unanticipated Finds Plan does cover this area, and all areas within City Hall Park, and remains in effect.

Based on the archaeological composite of City Hall Park to 2000 Map (Map 01), and the current excavation work taking place along the northeastern wall of City Hall, there is a possibility that remains from the Alms House and associated features may be present in that proposed area. Additionally, previous excavations have identified cultural remains in that general vicinity.

Otherwise, Chrysalis does concur with the text as it relates to Archaeological Services in that test units and/or monitoring will have to occur in this area either prior to, or during contractor services. Based on the current site conditions, Chrysalis recommends that a series of test units be excavated prior to the start of contractor work in the areas of the stand pipe locations in order to determine if buried cultural resources are present in the area.

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Map 01: Combined Archaeological Site Map for City Hall Park to 2000.

CHRYSLIS ARCHAEOLOGICAL CONSULTANTS

Cultural Resource Specialists



To: Larry Gutterman, AIA, LEED AP, Associate Partner
Beyer Blinder Belle - Architects & Planners LLP
From: Alyssa Loorya and Christopher Ricciardi/Chrysalis Archaeological Consultants, Inc.
Date: June 13, 2010
Re: City Hall Project – Archaeology Update

Chrysalis Archaeological Consultants, Inc. (Chrysalis), has been retained by Beyer Blinder Belle - Architects & Planners, LLP (BBB) to provide, in part, archaeological consultation on the various regulations and requirements for Cultural Resource Management (CRM) issues for the City Hall Restoration Project.

As part of our responsibilities, Chrysalis is supposed to provide advice, guidance and recommendation to the greater City Hall Park team independently from any other team member, organization and/or agency.

Recent events at City Hall show the uncertainty that CRM brings to a construction project. Frankly, without exposing an entire project area, one never knows what one may encounter. At the onset of this project, Chrysalis informed BBB and the larger team through written, email and verbal communications that the site of City Hall has the potential to be completely covered with buried cultural resources that would require some form of action.

With the ultimate goal of CRM is to provide information to the client on the potential impacts to buried cultural resources and how best to either avoid or mitigate for them, at City Hall, our initial recommendation was to conduct all archaeological investigations up front.

By the opinion of the regulatory agency, it was determined that, till now, all CRM activities would be conducted in a “piece-meal” fashion, that is conducting limited test “here and there” as plans were developed. Their rationale was that this would reduce the cost, impacts and time that CRM may cause the project. Unfortunately, that has not turned out to be the case.

We have, and continue, to advice that this site is so rich and significant that it is inevitable that any below proposed below ground excavation will have some impact on the cultural resources. Therefore, we, once again, recommend that based on the initial proposed plans, archaeological excavation be undertaken

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CHRYsalis ARCHAEOLOGICAL CONSULTANTS
Cultural Resource Specialists



To: Amanda Sutphin, Director of Archaeology
City of New York – Landmarks Preservation Commission
Larry Gutterman, AIA, LEED AP, Associate Partner
Beyer Blinder Belle - Architects & Planners LLP
From: Alyssa Loorya and Christopher Ricciardi/Chrysalis Archaeological Consultants, Inc. and
Edward Morin, Principal Investigator, URS Corporation
Date: June 25, 2010
Re: City Hall Park Project – “In Field” Material Remains Handling/Processing Procedure¹

As part of the overall City Hall Park Cultural Resource Management Project, URS Corporation (URS) and Chrysalis Archaeological Consultants, Inc., (CAC) have developed the following procedural outline for the handling of material remains as they are excavated in field.

Material remains fall into two categories; artifacts, which are objects that have been either made or manipulated by humans and ecofacts, which are biological objects such as bone (faunal and human) and other natural items. This procedure will not discuss human remains. Issues relating to the uncovering of human remains are covered under a separate procedure. Additionally, this procedure does not outline the general steps taken once material remains arrive in the laboratory facility. All Federal, State and Local guidelines will be followed for laboratory procedures.

This protocol includes an understanding of “triage²”, where fragile or unique material remain(s) are separated from the larger collection to receive priority evaluation and assessment for individual conservation needs. The conservation triage protocol includes categorizing the remain(s) through a ranking system that is based on their physical properties and chemical and biological stability.

The ranking system places objects into three basic categories: 1) stable - requiring no immediate treatment; 2) highly reactive - whereby conservation is deemed ill-advised since treatments will not mitigate their present status; this category may include metals that are almost completely consumed and converted to oxides that were exhausted through the natural course of deterioration and are deemed stable but not in need of treatment; and 3) reactive - materials that may be stabilized through a conservation regimen. Except for material remain(s) that are extremely degraded and a singular representation or rare type, priority treatment will be given to those specimens in the middle range condition (i.e. deteriorated but treatable).

¹ This outline is based on the bulletin: SHA Conservation: Handling Freshly Excavated Artifacts on Site. http://www.sha.org/research_resources/conservation_faqs/handle.cfm

² As defined and referenced in the *SHA Conservation: Handling Freshly Excavated Artifacts*.
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These distinct material remains will receive immediate attention by lab personnel. For this group of finds, it is critical to understand the chemical and physical reactions that are occurring to this particular data set. It is widely understood that upon excavation, inherent data within the find can be rapidly lost due to the change in environment. For example, manufacturing information, motifs, dates, inscriptions, etc. can be present in a tenuously preserved state that can be retrieved if conservation efforts are undertaken shortly after excavation.

Many conservation techniques can be utilized during the excavation phase for fragile and friable objects. Conservation materials will be readily available during excavation to aid the archaeologists in maximizing the recovery and stabilization of unique artifact materials. Techniques such as proper supporting, handling, and bagging will be utilized, as well as proper materials such as polyethylene bags, acid free tissue and other inert materials.

All artifacts, including but not limited to, ceramics, glass, buttons – including bone buttons, metals (various), etc., will be placed in archival safe plastic bags. Holes are punched through the bag for ventilation and the provenience information is written in black permanent ink on the outside of the bag. If remain(s) is considered to be fragile, they will be wrapped in acid free tissue paper and placed within its own bag. If the item is too fragile for a bag, it will be placed within a hard plastic container with the provenience information printed on the outside of the container.

All artifacts, whether in their own container or in bags, will be kept out of the direct sunlight and transported to the laboratory facility as soon as possible for initial cleaning and cataloguing. All standard laboratory practices will be followed.

Ecofacts, such as faunal remains (i.e. animal bones), upon excavation are immediately separated from artifacts. In general, depending on the specific condition of the remain(s), all materials are placed in archival safe plastic bags. Holes are punched through the bag for ventilation and the provenience information is written in black permanent ink on the outside of the bag. If remain(s) are considered to be fragile, they will be wrapped in acid free tissue paper and placed within their own bag or other sturdy container. If the item is too fragile for a bag, they will be placed within a hard plastic container with the provenience information printed on the outside of the container.

All ecofacts, whether in their own container or in bags, will be kept out of the direct sunlight and transported to the laboratory facility as soon as possible for initial cleaning and cataloguing. All standard laboratory practices will be followed.

Additionally, should a unique artifact or ecofact be uncovered in an extreme state of fragility or exceptional environmental conditions, i.e. water-logged, in-field personnel may consult with the laboratory specialists at URS for further recommendations.

General Points:

- Use stable, archival quality storage such as archival quality polyethylene or polypropylene bags
- Do not over fill bags
- Do not pack large heavy objects with smaller fragile objects
- Do not mix materials (particularly different types of metal i.e.: iron with copper alloy...)
- Avoid placing bags in direct sunlight/ leaving artifacts on walkways or edge of excavations
- More often an object is handled the more chance for damage
- Punch holes in plastic containing metals

Material Specific Points:

- Wrap fragile artifacts in acid free tissue paper
- Do not wash metals, keep metals as dry as possible
- Keep organic materials (textile, leather, wood and bone) in same conditions as found... Wetting and/or drying lead to structural damage
- Dry organics (leather, wood, bone) usually very brittle- Bag them separately in perforated bag and place them in a sturdy container for support. Allow them to lie flat and provide support to all parts when transporting.
- Damp Organics Place in archival quality zipper bag. Spray small amount of water into bag- mist don't over saturate. Double bag to slow evaporation.
- Never place paper towels in contact with damp artifacts (most contain acids that can harm artifacts).
- Waterlogged organics- often have little structural strength of their own- Lift carefully.
- Fill a plastic bag or Tupperware/Rubbermaid with enough water to cover object. Place object in bag only after bag filled with water. Carefully seal bag and place in a second bag to prevent leaking. Avoid excess movement of bag and contents.
- Do not wash organic materials as surfaces can be fragile
- Store damp or waterlogged organics in a refrigerator when brought in from field**.

**Notify lab staff about artifacts that will need to be refrigerated on arrival at the Burlington Lab.

APPENDIX I: Storage of Excavated Materials (In- Field) Chart

Material Class	Dry/Damp Conditions	Wet/Waterlogged Conditions
Ceramic (porous and vitreous)	Ceramic can survive a wide range of conditions, but avoid widely swinging humidity, which can activate salt crystallization. Crystal growth can damage ceramic bodies and surface treatments.	Store in tap water or deionized water. Avoid prolonged wet storage, which may encourage biological growth (molds and slimes) on the ceramic, causing stains. Active water changes during desalination discourages biological growth. Cold storage also discourages biological activity. Consult a conservator.
Glass	As for ceramic. Note that glass "corrosion" is moisture-activated. If there is active weathering or spalling of surfaces, consider controlled humidity storage, between 20% and 40% RH.	As for ceramic.
Stone	As for ceramic.	As for ceramic.
Metal (ferrous)	Store in desiccated (less than 20% RH) environment.	Storage solutions should be kept at pH greater than 8 to reduce corrosion rates. This is usually accomplished with 2-5% sodium carbonate or sodium sesquicarbonate. Metal ions in solution often will act as a biocide. Consult a conservator as soon as possible.
Metal (non-ferrous)	As for ferrous metals.	As for ferrous metals, but be aware that carbonate solutions may activate new forms of corrosion. Store lead and other white metals in tap water only.
Wood	Keep in controlled environment, ca. 55% RH. Changes in RH will cause dimensional stresses, leading to cracking and shape change.	Store in tap water, or in mixed tap/salt water if from a saline environment. Keep in dark cool place to reduce biological activity. Consult a conservator as soon as possible.
Leather	As for wood.	As for wood.
Bone/ tooth/ horn/ Ivory	As for wood.	As for wood.
Composite (metal/organic)	Compromise between the needs of the most sensitive material - robust organic materials can tolerate low RH (to about 30% RH) needed to reduce metal corrosion rates, but the rate of RH decrease should not be abrupt.	Wet organic materials can tolerate pH between 8 and 9, but no higher than that. Keep in a cool, dark place to reduce biological activity (but metal ions may act as a fortuitous biocide). Consult a conservator as soon as possible.

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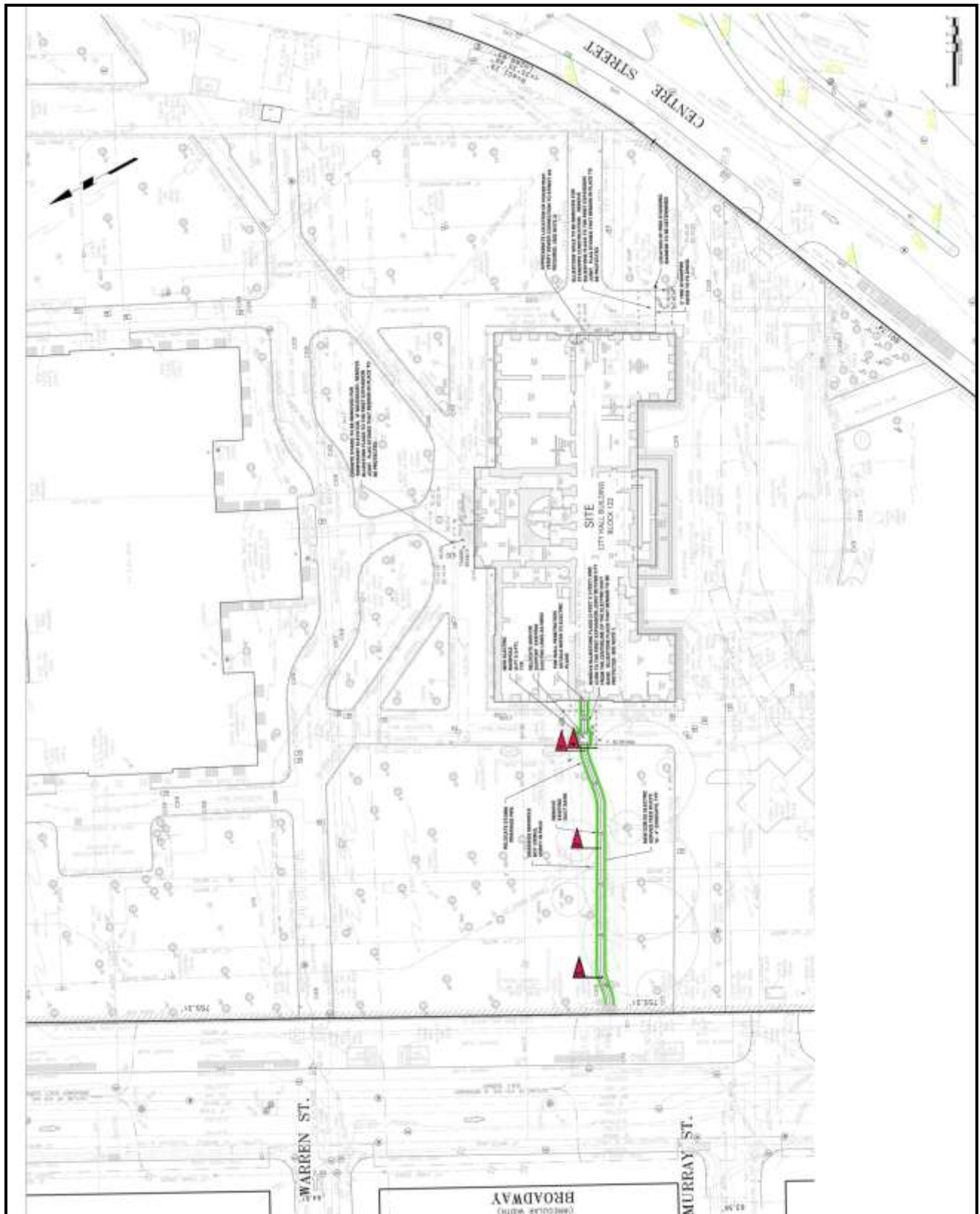
MEMORANDUM FOR THE RECORD

To: Amanda Sutphin, City of New York - Landmarks Preservation Commission
From: Alyssa Loorya, Chrysalis Archaeological Consultants, Inc.
CC: Larry Gutterman, Beyer Blinder Belle - Architects & Planners LLP
Date: April 19, 2010
Re: City Hall (Park) – Utility Trench Test

On March 31 and April 1, 2010 four test pits were excavated in the western field of City Hall from Broadway to City Hall (Image 01) to locate the pre-existing electrical utility (Map 01). This work is in advance of the proposed electrical upgrade of City Hall. Archaeological monitoring occurred during the excavation to ensure that any uncovered cultural resources were identified and documented; and in hopes of determining the extent of impact of the pre-existing utility trench.



Image 01: City Hall Park – looking west towards Broadway



Map 01: City Hall Park – Western Field Utility Test Trench Map

Test Unit 1

Test Unit 1 was located immediately west of the bluestone path and curb west of City Hall. It measured 53" by 15.7". The utility was located at 27.5" below surface. The unit was excavated to 47.2" below surface on the south side of the utility and 55" on the northern side of the utility.

The top stratum was composed of topsoil followed by a stratum of a dark loamy fill to the level of the utility. The utility consists of three 4" electric lines in a triangle configuration. Immediately beneath the utility, extending outward on the northern side was a rough concrete pour. The concrete extends 20.5" north of the utility.

The northern area of the test unit uncovered a paver stone, along the northern wall, at 3' below surface. The stone measures 10" north to south and was 3" thick. The full width of the stone was not exposed. The soil beneath the stone is a hard packed light brown soil that appears to have had a sandy texture. This soil is an undisturbed context and it is likely that the paver stone was in a primary context as well. There is an 8" gap between the southern edge of the paver and the concrete pour beneath the utility (Image 02).



Image 02: Test Unit 01 - Completed

The southern side of the utility has a different profile. The concrete pour identified beneath the utility does not extend beyond the edge of the utility on the southern side. At the base of the utility a stratum consisting of disassociated bricks, clam shells, oyster shell, a mammal bone, unidentified metal and clinker was uncovered.

There was no evidence of a construction trench on either side of the utility. The area beneath the utility is undisturbed and the area adjacent to the utility (beyond 5" – 8") was minimally disturbed.

Test Unit 2

Test Unit 2, located at the mid-point between City Hall and the electrical connector box, measured 49.2" by 11.8" and was excavated to a depth of 40". The utility was uncovered at 27.5" below surface. The soil throughout the trench was a loamy dark soil, similar to topsoil. There were no inclusions of any kind. As with test unit 1 there was no evidence of a construction trench. The soil immediately adjacent to either side of the utility was noticeably darker but only extended 3" – 4" on either side (Image 03).



Image 03: Test Unit 02 - Completed

Test Unit 3

Test Unit 3 was located approximately 20' east of the electrical connector box and measured 47.2" by 11.8". The utility was located at 40". The final excavation depth was 44".

This unit had a different composition than the previous two test units. Following removal of 6" of topsoil, the soil was dark loamy soil with several rocks. Other materials included a large piece of sheet metal and clinker.

Exposure of the utility revealed a different configuration. In this unit the utility lines were arranged on one level, 3 lines side by side. There was also a fourth unidentified utility line located above the 3 electrical lines. As with the previous units there was no evidence of a construction trench (Image 04).



Image 04: Test Unit 03 - Completed

This fourth unidentified utility line was of concern as it is situated above the electrical lines that will be removed and replaced. In consideration of this Langan and DDC sought to identify this utility and its path. Permission and an amendment to the existing permit were obtained from LPC to proceed with a fourth test unit.

Test Unit 4

Following a tone-out performed by SoftDig a fourth test unit was excavated to confirm the path of and location where the unidentified utility enters City Hall. This fourth unit was located approximately 6' from Test Unit 1.

Test Unit 4 measured 31.4" by 17.7" and was excavated by shovel. At 15.7" below surface a 9" wide concrete form was uncovered and extended beyond the final excavation depth of 29.5".

The northern side of the unit consisted of a brown loamy soil. No artifacts were observed. At 29.5" below surface two parallel 1" wires were uncovered and excavation was halted. The concrete form was still present and appeared to continue (Image 05).



Image 05: Test Unit 04 - Completed

Along the southern side of the utility the soil consisted of a brown loamy soil. Throughout the area several different types of building materials were uncovered including brick, granite, a gray stone and brownstone (Image 06).



Image 06: Test Unit 04 – Bricks and Sandstone

The unidentified utility was located at 19.6” below surface confirming that it was not associated with the electrical lines that were the focus of this investigation. As with the electrical lines observed in test units 1 – 3, the excavation impact for the installation of this utility was minimal.

Recommendations

Minimal information with regard to material/cultural remains was uncovered during excavation of these test units. However, the method of excavation utilized by the contract company did not adequately allow for unobstructed observation of the excavation by the contract company. Due to the use of a vacuum method, the test units were small and the view obstructed by the equipment being used (Image 07). The excavation method utilized high pressure air displacing the soil and a large vacuum tube suctioning the material into a container. Observation was only possible after the material was removed.

Although only a minimal amount of material remains were recovered from the units and sifting through the soil collected in the canister, the test units excavation revealed different profiles and contexts in each of the test units with regard to the surrounding soils. Undisturbed contexts were observed within 2 of the 4 test units. Excavation also revealed that the existing utilities were not encased in concrete and that the excavation trench for its installation caused a minimal impact to the surrounding soils. The excavation for the existing utility install did not exceed 3" to 5" on either side of the utility lines.

Current project plans call for increased electrical service to City Hall with the installation of 12 to 16 new electrical service lines. Once installed, these lines will be encased in a concrete form. Preliminary plans call for the excavation of a 3' wide utility trench that will extend to a minimum depth of 3' to 4'. Both the increased number of electrical lines and the concrete encapsulation will require extensive excavation of an area significantly larger than the impact of the existing electrical utilities. .

The areas of Test Unit's 1, 2 and 3 exhibited limited disturbance from previous utility work. In consideration of the proposed impact for the new electrical utilities it is recommended that archaeological monitoring occur during excavation for the proposed utility trench

At this time it appears that the area of Test Unit 4 will not be impacted by the proposed utility work. Therefore no additional cultural resource work is recommended for that immediate area at this time. However, should future construction plans call for a subsurface impact in the area of Test Unit 4 it is recommended that cultural resource monitoring should occur in that area as well.



Image 07: Excavation by Air Blowing/Vacuuming

CHRYSLIS ARCHAEOLOGICAL CONSULTANTS

Cultural Resource Specialists



MEMORANDUM FOR THE RECORD

To: Amanda Sutphin, City of New York – Landmarks Preservation Commission
Douglas Mackey – New York State Office of Parks, Recreation and Historic Preservation
From: Alyssa Loorya and Christopher Ricciardi, Chrysalis Archaeological Consultants, Inc.
Date: July 5, 2010
Re: Comments on “Vacuum” Method of Archaeological Monitoring

This Memorandum for the Record (MFR) is with regard to recent Archaeological Monitoring that Chrysalis Archaeological Consultants, Inc., (Chrysalis) undertake at New York City’s, City Hall during March and April 2010. We would like to express their concerns regarding the “New York State Approved” methodology of what we term “Vacuum” excavation for a utility trench.

Background:

As part of the current renovation of New York’s, City Hall, testing to locate a pre-existing utility trench was undertaken. The project, under the auspicious of the City of New York – Department of Design and Construction (DDC) and the City of New York – Department of Parks and Recreation (Parks), called for a new methodological approach to test for the trench location. As opposed to hand excavation or the use of a back-hoe, a combination of compressed air hose, pulverizing the ground and dirt to loosen the soil, and a vacuum hose, that drew in the dislodged soil from the ground into a storage container.

According to the DDC, Parks and the construction company, Softdig, this methodology was approved for use by New York State Office of Parks, Recreation and Historic Preservation (NY SHPO). Chrysalis was told, at that time, that the rationale for the use of this method was to create the “least” amount of impact and complete the task faster, and hence, at a less costs, than the traditional method of hand or mechanical excavation.

Although the current project falls under the regulatory control of the City of New York – Landmarks Preservation Commission (LPC), since the methodology was previously approved by the State, they could not object to it use. However, when LPC officials came to the site to witness the excavation process, they raised similar concerns that we present in this MFR.

Excavation:

Excavation began by hand, digging a small, starter hole. Upon completion of the hole, an air hose was inserted into the ground and the compressor turned on. Dirt was violently ejected from the ground and captured by the vacuum hose (Image 01).



Image 01: Air and vacuum hose being used

Test Unit 1

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The top stratum was composed of topsoil followed by a stratum of a dark loamy fill to the level of the utility. The utility consists of three 4" electric lines in a triangle configuration. Immediately beneath the utility, extending outward on the northern side was a rough concrete pour. The concrete extends 20.5" north of the utility.

The northern area of the test unit uncovered a paver stone, along the northern wall, at 3' below surface. The stone measures 10" north to south and was 3" thick. The full width of the stone was not exposed. The soil beneath the stone is a hard packed light brown soil that appears to have had a sandy texture. This soil is an undisturbed context and it is likely that the paver stone was in a primary context as well. There is an 8" gap between the southern edge of the paver and the concrete pour beneath the utility (Image 02).



Image 02: Test Unit 01 - Completed

The southern side of the utility has a different profile. The concrete pour identified beneath the utility does not extend beyond the edge of the utility on the southern side. At the base of the utility a stratum consisting of disassociated bricks, clam shells, oyster shell, a mammal bone, unidentified metal and clinker was uncovered.

There was no evidence of a construction trench on either side of the utility. The area beneath the utility is undisturbed and the area adjacent to the utility (beyond 5" – 8") was minimally disturbed.

Test Unit 2

Test Unit 2, located at the mid-point between City Hall and the electrical connector box, measured 49.2" by 11.8" and was excavated to a depth of 40". The utility was uncovered at 27.5" below surface. The soil throughout the trench was a loamy dark soil, similar to topsoil. There were no inclusions of any kind. As with test unit 1 there was no evidence of a construction trench. The soil immediately adjacent to either side of the utility was noticeably darker but only extended 3" – 4" on either side (Image 03).



Image 03: Test Unit 02 - Completed

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Test Unit 3 was located approximately 20' east of the electrical connector box and measured 47.2" by 11.8". The utility was located at 40". The final excavation depth was 44".

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Exposure of the utility revealed a different configuration. In this unit the utility lines was arranged on one level, 3 lines side by side. There was also a fourth unidentified utility line located above the 3 electrical lines. As with the previous units there was no evidence of a construction trench (Image 04).



Image 04: Test Unit 03 - Completed

This fourth unidentified utility line was of concern as it is situated above the electrical lines that will be removed and replaced. In consideration of this Langan and DDC sought to identify this utility and its path. Permission and an amendment to the existing permit were obtained from LPC to proceed with a fourth test unit.

Test Unit 4

Following a tone-out performed by SoftDig a fourth test unit was excavated to confirm the path of and location where the unidentified utility enters City Hall. This fourth unit was located approximately 6' from Test Unit 1.

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Image 05: Test Unit 04 - Completed

Along the southern side of the utility the soil consisted of a brown loamy soil. Throughout the area several different types of building materials were uncovered including brick, granite, a gray stone and brownstone (Image 06).



Image 06: Test Unit 04 – Bricks and Sandstone

The unidentified utility was located at 19.6” below surface confirming that it was not associated with the electrical lines that were the focus of this investigation. As with the electrical lines observed in test units 1 – 3, the excavation impact for the installation of this utility was minimal.

Recommendations

Minimal information with regard to material/cultural remains was uncovered during excavation of these test units. However, the method of excavation utilized by the contract company did not adequately allow for unobstructed observation of the excavation by the contract company. Due to the use of a vacuum method, the test units were small and the view obstructed by the equipment being used (Image 07). The excavation method utilized high pressure air displacing the soil and a large vacuum tube suctioning the material into a container. Observation was only possible after the material was removed.

Although only a minimal amount of material remains were recovered from the units and sifting through the soil collected in the canister, the test units excavation revealed different profiles and contexts in each of the test units with regard to the surrounding soils. Undisturbed contexts were observed within 2 of the 4 test units. Excavation also revealed that the existing utilities were not encased in concrete and that the excavation trench for its installation caused a minimal impact to the surrounding soils. The excavation for the existing utility install did not exceed 3" to 5" on either side of the utility lines.

Current project plans call for increased electrical service to City Hall with the installation of 12 to 16 new electrical service lines. Once installed, these lines will be encased in a concrete form. Preliminary plans call for the excavation of a 3' wide utility trench that will extend to a minimum depth of 3' to 4'. Both the increased number of electrical lines and the concrete encapsulation will require extensive excavation of an area significantly larger than the impact of the existing electrical utilities. .

The areas of Test Unit's 1, 2 and 3 exhibited limited disturbance from previous utility work. In consideration of the proposed impact for the new electrical utilities it is recommended that archaeological monitoring occur during excavation for the proposed utility trench

At this time it appears that the area of Test Unit 4 will not be impacted by the proposed utility work. Therefore no additional cultural resource work is recommended for that immediate area at this time. However, should future construction plans call for a subsurface impact in the area of Test Unit 4 it is recommended that cultural resource monitoring should occur in that area as well.

CHRYsalis ARCHAEOLOGICAL CONSULTANTS
Cultural Resource Specialists



To: Larry Gutterman, AIA, LEED AP, Associate Partner
Beyer Blinder Belle - Architects & Planners LLP
From: Alyssa Loorya and Christopher Ricciardi/Chrysalis Archaeological Consultants, Inc.
Date: June 13, 2010
Re: City Hall – Electrical Test Pit Plan (Warren Street to City Hall)

Chrysalis Archaeological Consultants, Inc. (CHRYsalis), has reviewed the preliminary Electrical Test Pit Plan (from Warren Street to City Hall) provided by Beyer Blinder Belle - Architects & Planners, LLP (BBB) on Friday, June 11, 2010 (Map 01). The plan outlines twenty-four (24) five by five square foot (5'x5') archaeological test pits located along the proposed route.

The City of New York – Landmarks Preservation Commission (LPC) will require that the width and depth of the proposed excavation area, including the man holes and electrical conduits, be included on the plan. Without this information, they may not approve the plan.

As outlined in Map 02, an archaeological composite of City Hall Park to 2000, the proposed plan may impact two of the British Barracks that is believed to have been located east and south of Warren Street.

CHRYsalis believes that the number and size and pattern of the test pits is adequate to determine:

- a) If remnants of the British Barracks and associated activities are in that location, and if so, the extent of the structural remnants and the potential impact of the electrical conduit.
- b) Uncover potential outbuildings and trash features associated with the Barracks.
- c) Uncover other potential archaeological features and/or deposits within the proposed excavation area.

CHRYsalis concurs with the statement from BBB regarding the “hatched” areas of the plan in that additional test pits may be required in these areas.

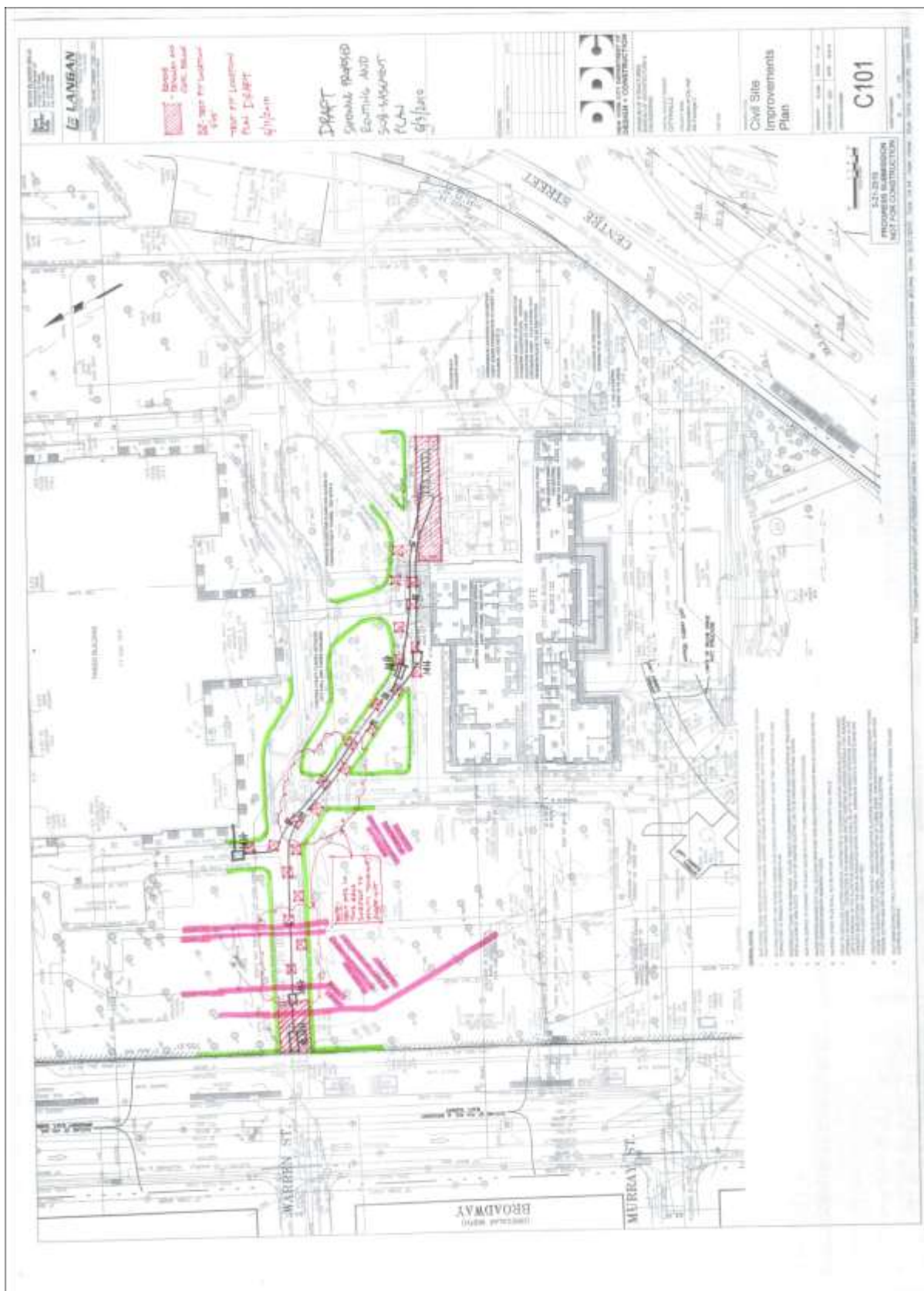
However, it may be prudent, at this time, to include an additional test pit within the hatched area across from Warren Street. It is likely that LPC will require additional excavation in this area – unless it is proven beyond a doubt that it is fully disturbed.

Should the path of the electrical conduits fall outside the area already excavated in the northeastern end of City Hall as part of the sub-basement work, CHRYsalis recommends that additional test pits be located in this area.

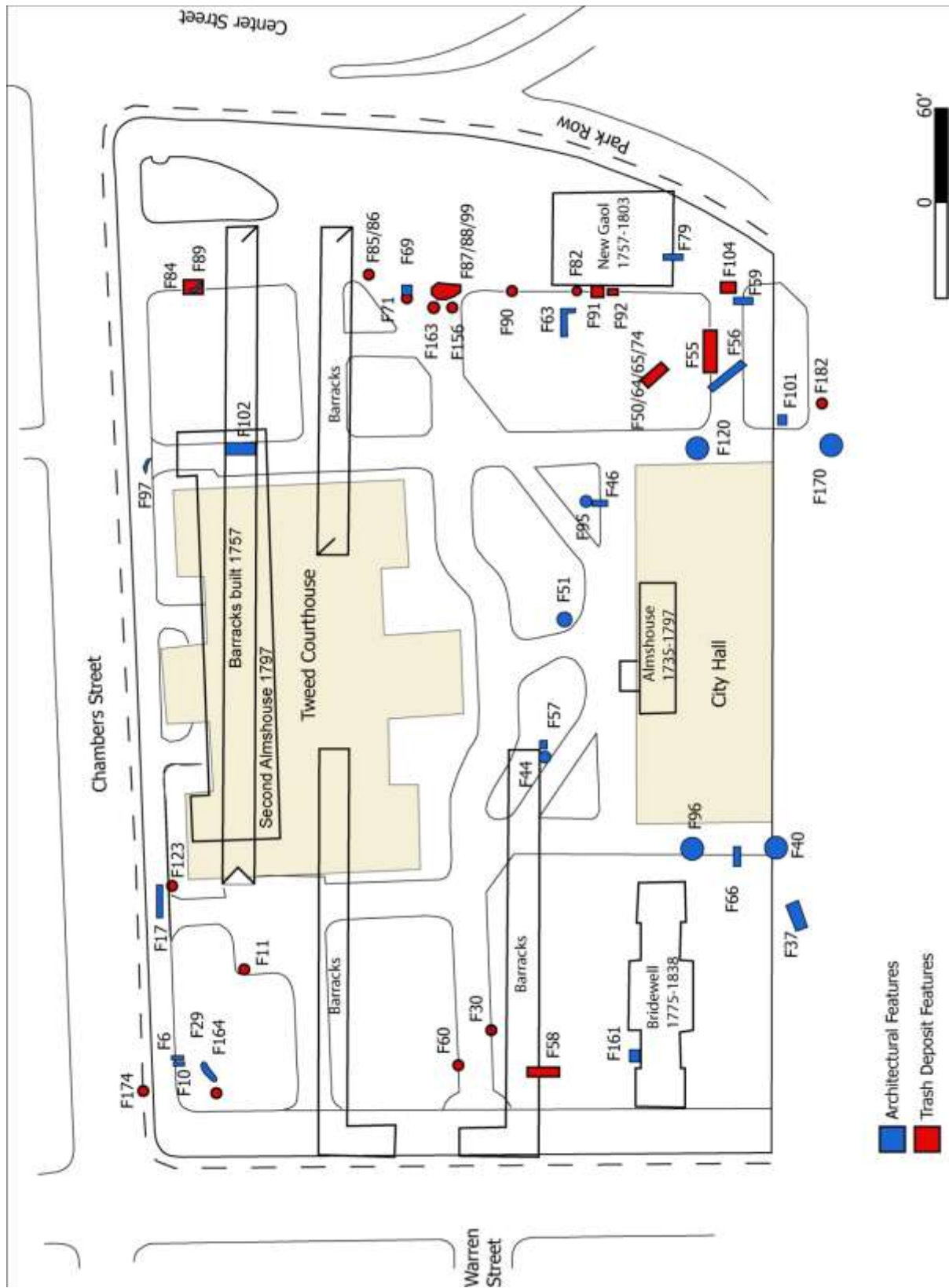
CHRYsalis would like to note that even though 24 test pits are proposed, based on field conditions, and in consultation with the LPC, fewer, or more, test pits may be excavated. Finally, LPC may require archaeological monitoring in addition to the proposed test to ensure that areas not covered by the test pits are evaluated during excavation for the electrical conduit.

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Map 01: Proposed Archaeological Testing Area for the Electrical Trench



Map 02: Combined Archaeological Site Map for City Hall Park

CHRYsalis ARCHAEOLOGICAL CONSULTANTS

Cultural Resource Specialists



To: Larry Gutterman, AIA, LEED AP, Associate Partner
Beyer Blinder Belle - Architects & Planners LLP
From: Alyssa Loorya and Christopher Ricciardi/Chrysalis Archaeological Consultants, Inc.
Date: July 4, 2010
Re: City Hall – Proposed Electrical Line Location (06-30-10) – Archaeological Comments

Chrysalis Archaeological Consultants, Inc., (CHRYsalis), has reviewed the Revised Electrical Line and Archaeological Test Pit proposal provided by Beyer Blinder Belle - Architects & Planners, LLP (BBB) on Thursday, July 1, 2010. The plan, labeled C1010, outlines the new routes for the two proposed electrical lines (Map 01).

The current proposal calls for approximately fifty (50) 5x5x5 foot test pits along both routes. Additionally, there are four man-hole locations that will require a larger test area and the excavation of almost the entire northeastern back portion of City Hall, which is currently being tested as part of the sub-basement work.

Based on the archaeological composite of City Hall Park to 2000 Map (Map 02), and the current excavation work for the sub-basement occurring along the northeastern section of City Hall, there is a possibility that significant historic remains may be encountered by both proposed electrical lines.

The line running from just north of the Murray Street along Broadway (Line 1) following the existing parking area to the west of City Hall may encounter architectural remains. During the last excavation, work in the area to the west of City Hall and south of the proposed location of the Bridewell, several architectural feature remains were uncovered. However, this area, along with the portion south of City Hall, has undergone the least amount of testing and therefore, the least amount of information is known about these areas.

Additionally, the current excavations have revealed the foundation remains of the Alms House and other late to early nineteenth century features along the northeastern section of City Hall. One may assume that the potential exists for additional features along the northwestern portion of City Hall.

The line running from the west side of Tweed Courthouse to City Hall (Line 2) has the potential to cross the bath of one of the Barracks. Although no other architectural feature has been uncovered along the remaining of the proposed path, there is a high potential for uncovering remains along the proposed pathway.

If the current plan remains, and archaeological excavation is conducted prior to the proposed construction work, CHRYsalis estimates that it may take as much four to five months of daily work to uncover the proposed approximately fifty 5x5x5 foot test pits, the four man-holes and the rest of the northeastern area.

In informal, general, discussions at City Hall on Friday, July 2, 2010 between DDC, Hill and CHRYsalis several proposals for work were discussed. However, CHRYsalis would like to make formal recommendations in this paper on the proposed electrical trench work.

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As with all of City Hall Park, there is a high potential for the uncovering of buried historic resources, including human remains. No plan will reduce the risk factors of excavation. With the current proposal, CHRYSALIS has identified several major risk factors that could potentially affect the route of the electrical line.

Normally, the archaeological process allows for the removal of features if they are uncovered to allow for a general proposed construction plan to occur after recordation. However, as City Hall Park is a Landmarked site and an Archaeological Landmark, removal of features are generally not allowed. Redesigns of proposed plans are called for in the event of the uncovering of major features.

To best mitigate the potential issues, CHRYSALIS would like to propose the following plan of action to test the proposed lines.

Assumption 1:

CHRYSALIS assumes that prior to this work occurring, full excavation will be completed of the current area, the sub-basement test. This includes excavation of the entire area extending east to west, from the existing north end jut-out staircase to the eastern end of City Hall and north to south from the existing excavation trench to the concrete curb.

Excavation of this area should be completed prior to the testing for the electrical line. It is estimated that it will require up to fifteen (15) business days to finish the excavation in this area.

Assumption2:

The following schedule assumes that no major feature, burial and/or material remains will be uncovered during this test. If major features, burials and/or material remains concentrations are uncovered, the schedule will have to adjust accordingly.

Line 1:

We recommend a two-fold action on regarding this line. The excavation should be done in two phases. During Phase I – the testing/excavation of the area to the north and west of City Hall – excavation should be completely undertaken of this line and not in the test pit fashion as proposed. This way, the construction company can then follow behind the archaeologists and prep the trench for installation as soon as the archaeological testing is completed, thus saving on time and the future excavation cost of that area. Our reasoning is that there is more flexibility in these two areas if something is uncovered to slightly move the trench one way or another and it will speed the process. It is estimated that this area will required up to forty (40) business days to excavate.

However, the portion of Line 1 coming from Broadway to the bend leading to the west of City Hall must be first tested archaeologically and should not be immediately followed by the construction crew for line installation. As this area has not previously been tested archaeologically, the risk is greater for finding materials and/or features in this area that may require a change in the proposed electrical line. It is estimated that this area will require up to twenty (20) business days to excavate.

Line 2:

The line from Tweed Courthouse to City Hall must be tested archaeological prior to the construction company excavating the entire line for the electrical installation. This area has a high risk and high potential for uncovering the Barracks and other associated features. Unlike the north and west portion of City Hall for Line 1, there does not appear to be “flexibility” in this area and therefore it is prudent to expose the area to see if it is viable for use as the utility trench. It is estimated that this area will require up to fifty (50) business days to excavate.

As with the test for the sub-basement, all artifact remains will be removed from site, sorted, washed, cleaned, catalogued, counted and re-bagged for storage. This work will be done off site at various laboratories. It is not possible to estimate a schedule for this work as it will be based on the number of remains uncovered.



Map 01: Current Proposed Electrical Trench Locations and Archaeological Test Locations.



To: Larry Gutterman, Beyer Blinder Belle - Architects & Planners LLP
From: Alyssa Loorya and Chris Ricciardi - Chrysalis Archaeological Consultants, Inc.
Date: July 9, 2010
Re: In Progress Field Report #01

Beginning May 2010 Chrysalis Archaeological Consultants (Chrysalis) began archaeological testing in the northeast section behind City Hall. This area was identified as the potential location for the proposed utility vault associated with the new sub-basement. Initially three test units, measuring five feet by five feet (5' x 5'), to be excavated to the maximum proposed construction impact depth or to sterile soil, were proposed.

Each of the units, located immediately adjacent to the 1950s retaining wall over a thirty foot (30') span featured a stone wall abutting the retaining wall. Significant concentrations of eighteenth century artifacts were also observed and recovered. The wall was constructed of varying types of stone including brownstone, quartz and fieldstone. Its composition and mortar also suggested an eighteenth century date.

As this area is known to have been in the general location of the 1735 Almshouse, which had been demolished for the construction of City Hall, the City of New York - Landmarks Preservation Commission (LPC) recommended that the full extent of the wall be determined. This led to the excavation of a five foot (5') wide area immediately north of the existing 1950s retaining wall along the entire length of the east wing of City Hall, approximately seventy-six feet (76'). A total of sixteen (16) test units were excavated over a three-week period and revealed several historic and archaeological features and recovered approximately thirty-five thousand (3500) artifacts and approximately two thousand (2000) faunal remains.

The initial feature discovered is the above-mentioned wall. This wall is believed to be the northern wall of the eighteenth century Almshouse. Dr. Allan Gilbert, of Fordham University and an expert on local historic building materials, visited the site to assess the construction of this feature. In Dr. Gilbert's opinion the wall is an early eighteenth century construction consistent with the Almshouse construction date. At the request of LPC, Jablonski Building Associates took mortar samples for further dating and analysis.

Other features revealed were a drainage channel constructed of brick and fieldstone and two brick structures of undetermined function, though one may have been an icehouse with associated drainage. The full extent of these features has not yet been uncovered. At the western end of the excavation area a substantial brick domed cistern was uncovered. This capped cistern, with a thirteen foot (13') diameter, was truncated by the 1950s retaining wall construction. A break in the top of the cistern indicates that it is filled with cultural resource materials. However, this has not been investigated further as of yet.

The brick cistern appears to have been situated at the western end of the Almshouse. Dr. Gilbert's opinion is that it dates to the post-Revolutionary War period, the last quarter of the eighteenth century, and is likely associated with the final years of the Almshouse.

During excavation two (2) trash deposit features were uncovered. One appears to be a mid to late eighteenth century midden that was likely associated with the Almshouse. This feature primarily consisted of large skeletal elements of bovine, and other, mammals. Pottery shards, pipe stems and bowls, glass, a bone handled fork and bone button blanks were also recovered. The second trash deposit appears to date from the early to mid nineteenth century and associated with the early years of City Hall. Among the materials in this ashy laden deposit were faunal remains, pottery shards, window glass, drinking glasses, liquor bottles, buttons and an 1806 coin.

During excavation soils were screened through quarter-inch ($\frac{1}{4}$) mesh for artifact recovery. All artifacts were retained, with the exception of bulk materials such as concrete rubble, brick, large metal objects, ash coal, cinders, and slag. In the case of bulk materials, a sample was taken from each provenience and the remainder noted and discarded in the field. The artifacts recovered during screening from the overall excavation area are currently in the lab for washing, identification and cataloging.

All cultural features and soil profiles have been documented photographically and with scaled maps measured in plan and vertical perspective. Soils are described using the Munsell color system and standard texture classifications.

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Image 01: Initial discovery of the stone wall in Test Unit 2



Image 02: Potential Ice House or other feature associated with drainage in Test Unit 11



Image 03: Excavation of Faunal Remains



Image 04: Brick & Fieldstone drainage channel (Test Units 12, 13 and 14)



Image 05: Brick and Fieldstone drainage channel and flagstone path (Test Units 13 & 14)



Image 06: Brick domed cistern and flagstone path (Test Units 9 & 10)



Image 07: Brick domed cistern and unknown brick feature (Test Units 9, 10, 15 and 16)



Image 08: Northeast excavation area, looking east



Image 09: Northeast excavation area, looking east



Image 10: Northeast excavation area, looking east



Image 11: Documenting a section of the eighteenth century wall feature



Image 12: Bakelite button stamped with an 1851 patent date.



Image 13: Ceramic egg cup



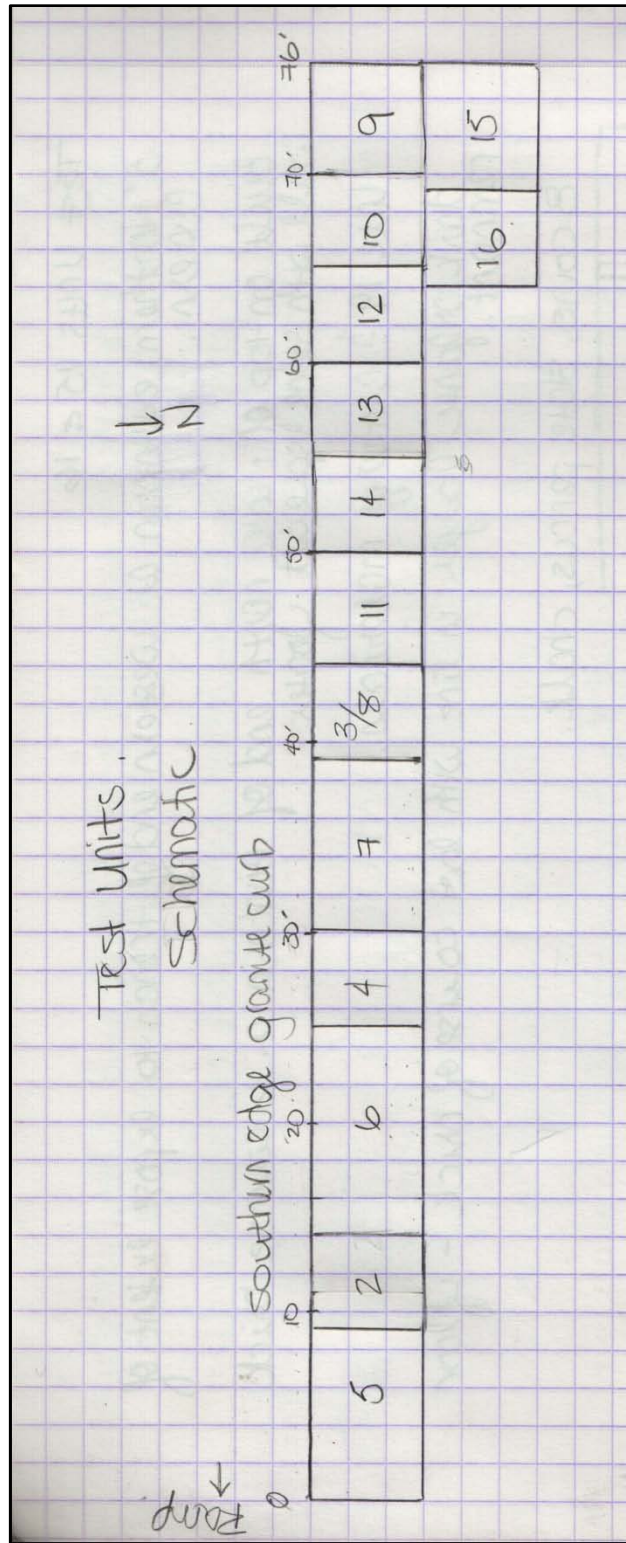
Image 14: Nineteenth Century bottle



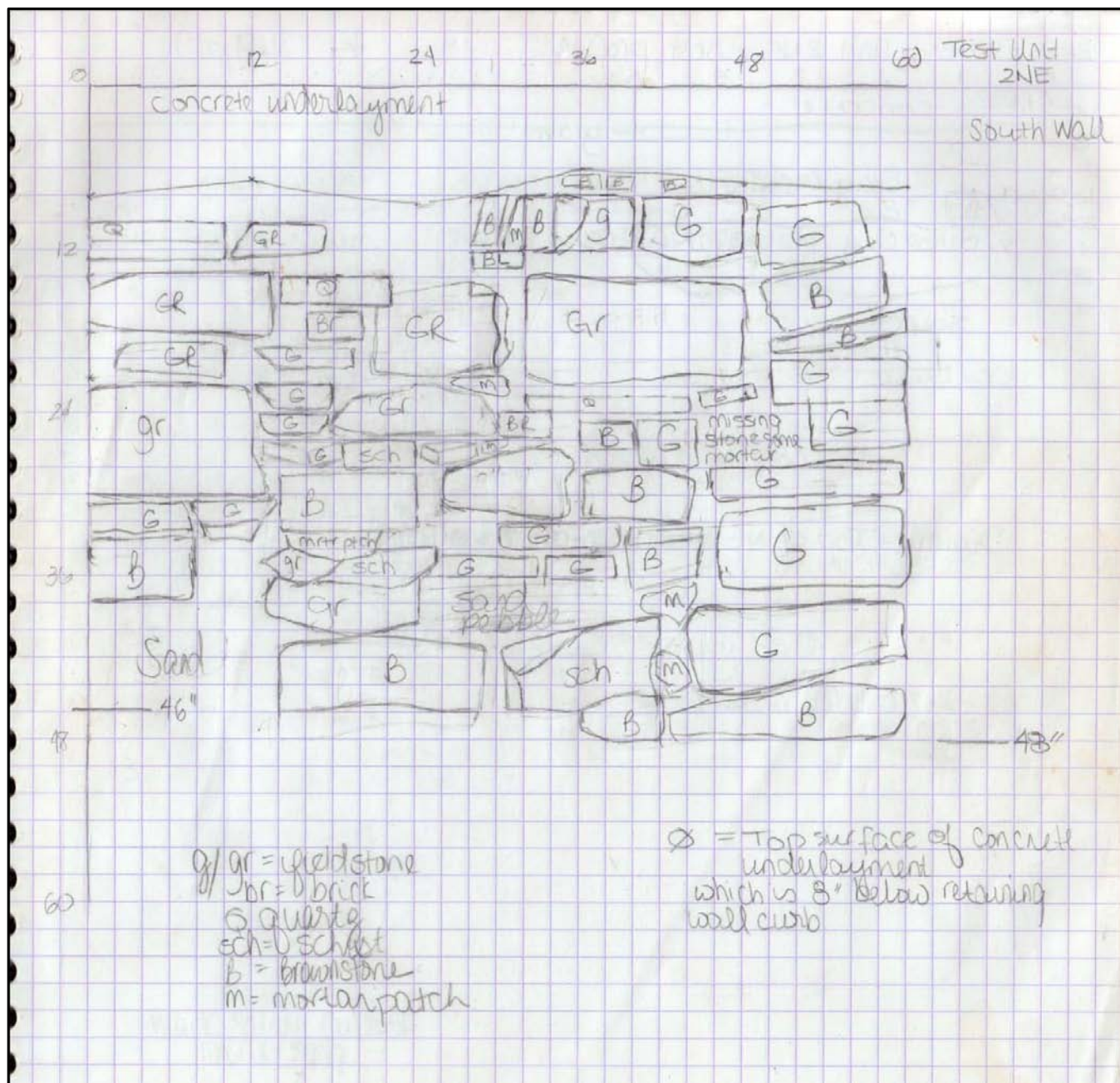
Image 15: Drinking tumblers



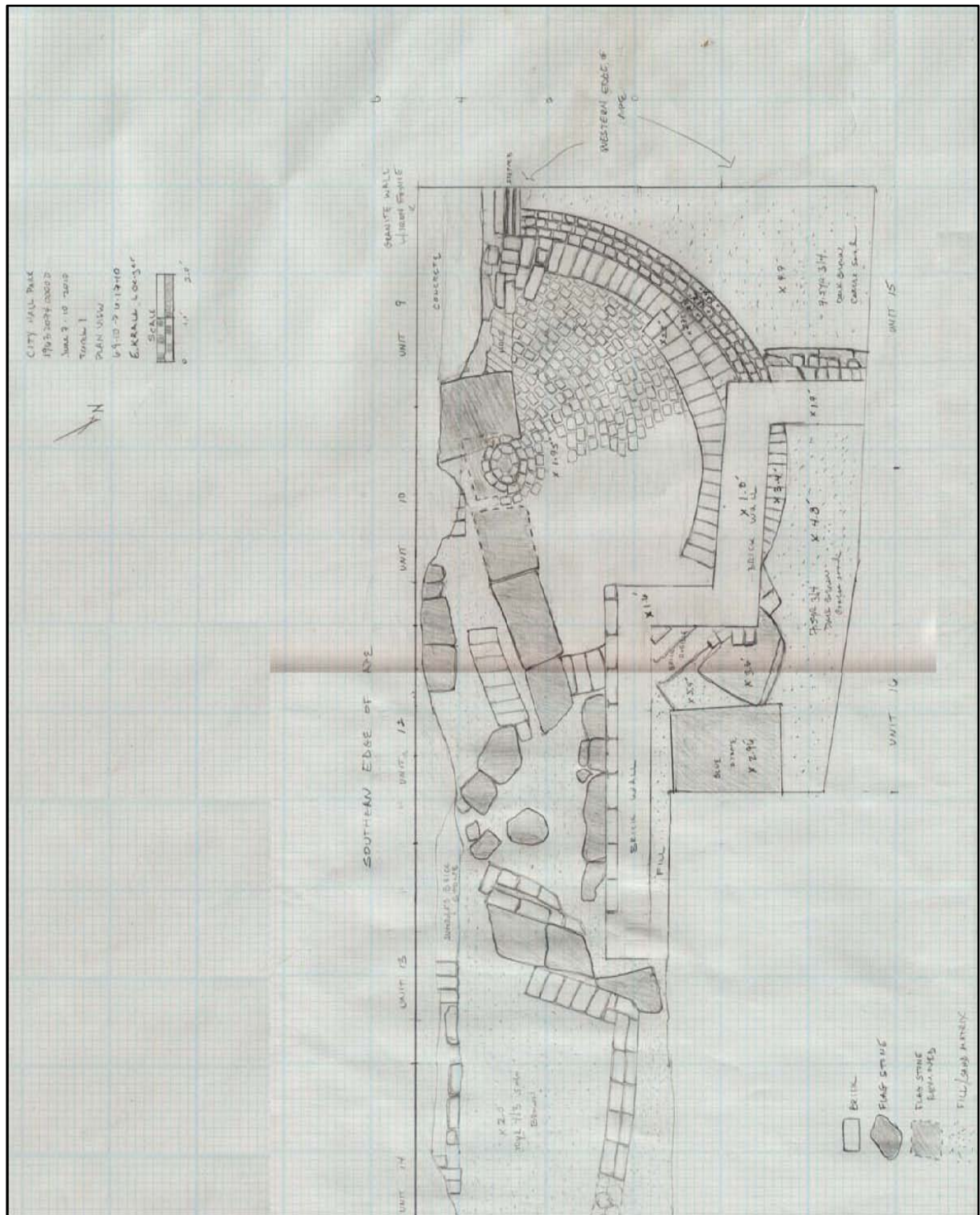
Image 16: Copper, bone, porcelain and shell buttons and bone button blank



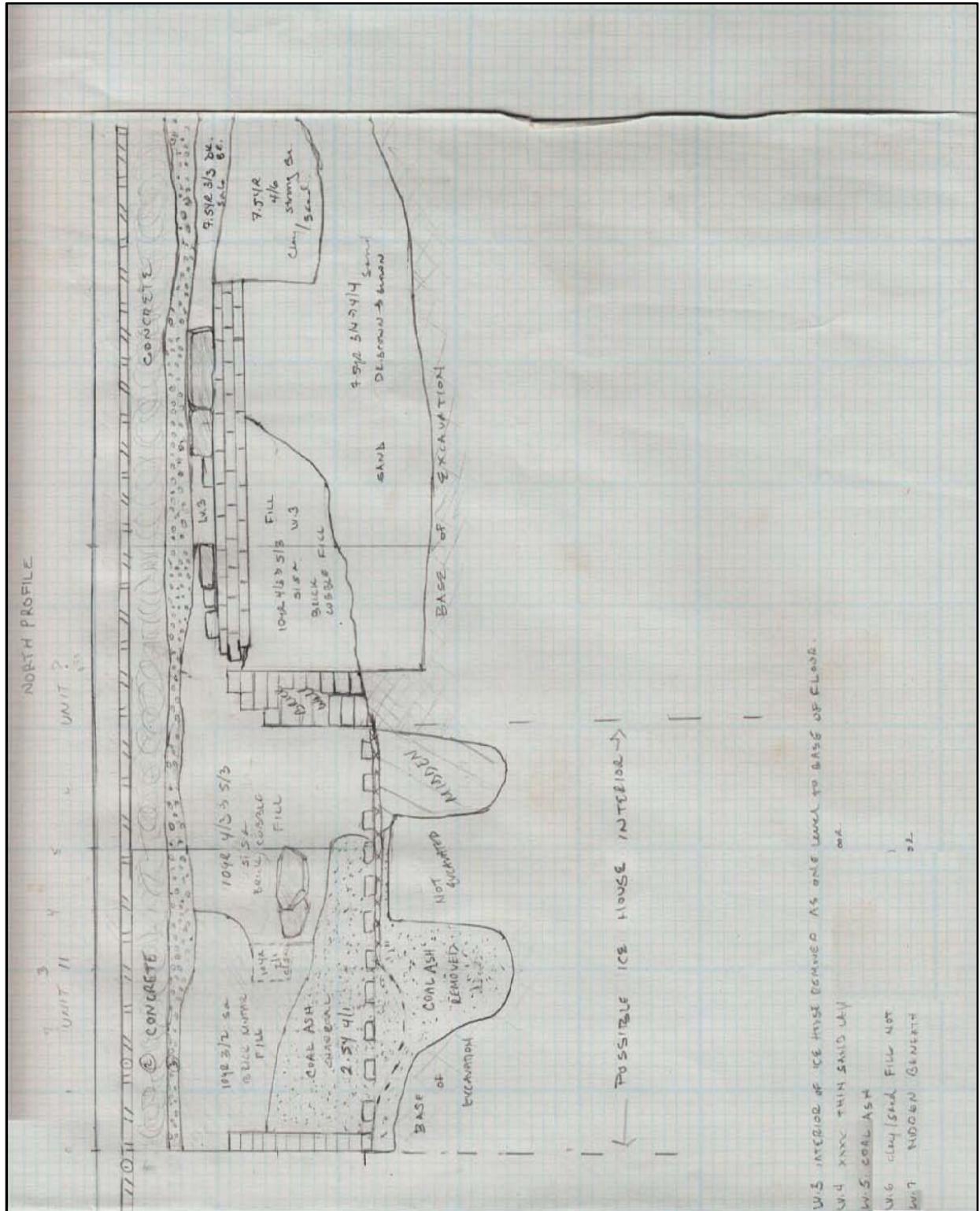
Map 01: Excavation Test Unit Plan Northeast Area of City Hall



Map 02: South Profile Schematic - Test Unit 2 - Almshouse Wall Northeast Area of City Hall.



Map 03: Plan View Map Section 50' – 76' (Test Units 9, 10, 12, 13 and 14) - Features 02 and 03 - Northeast Area of City Hall





To: Larry Gutterman, Beyer Blinder Belle - Architects & Planners LLP
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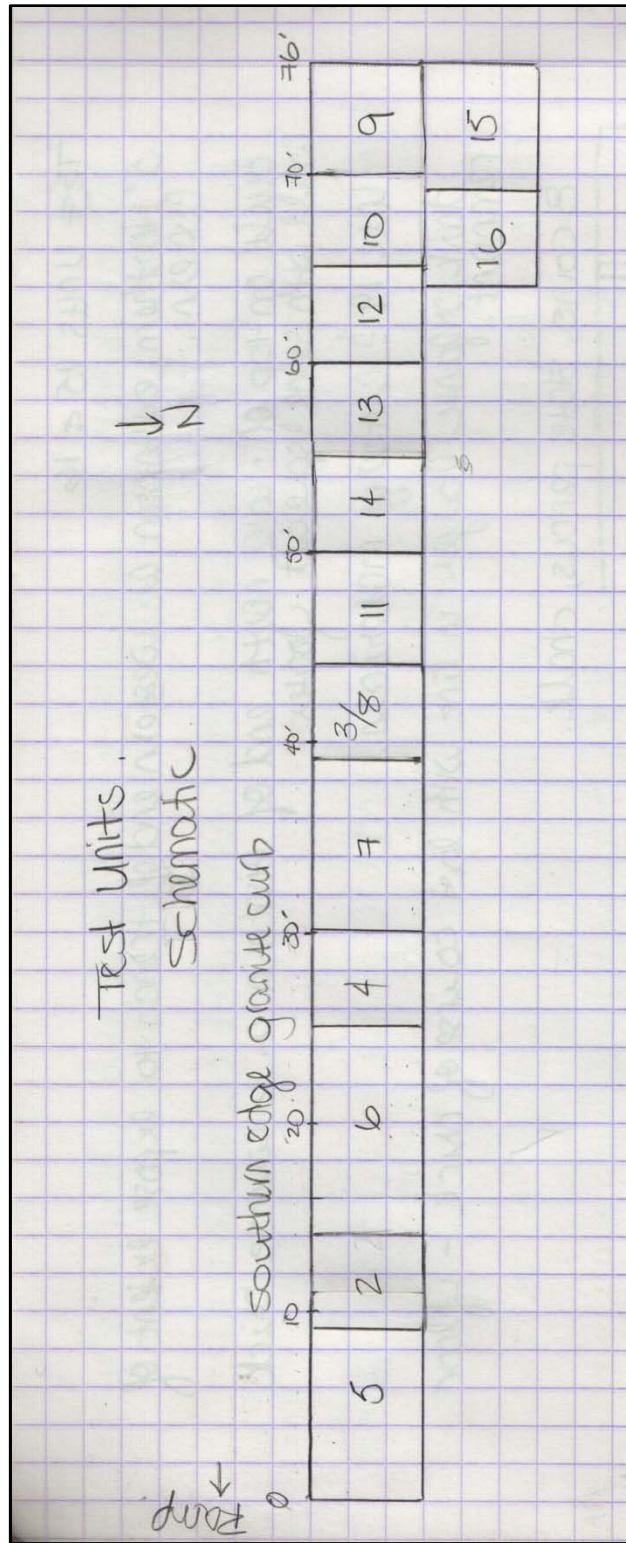
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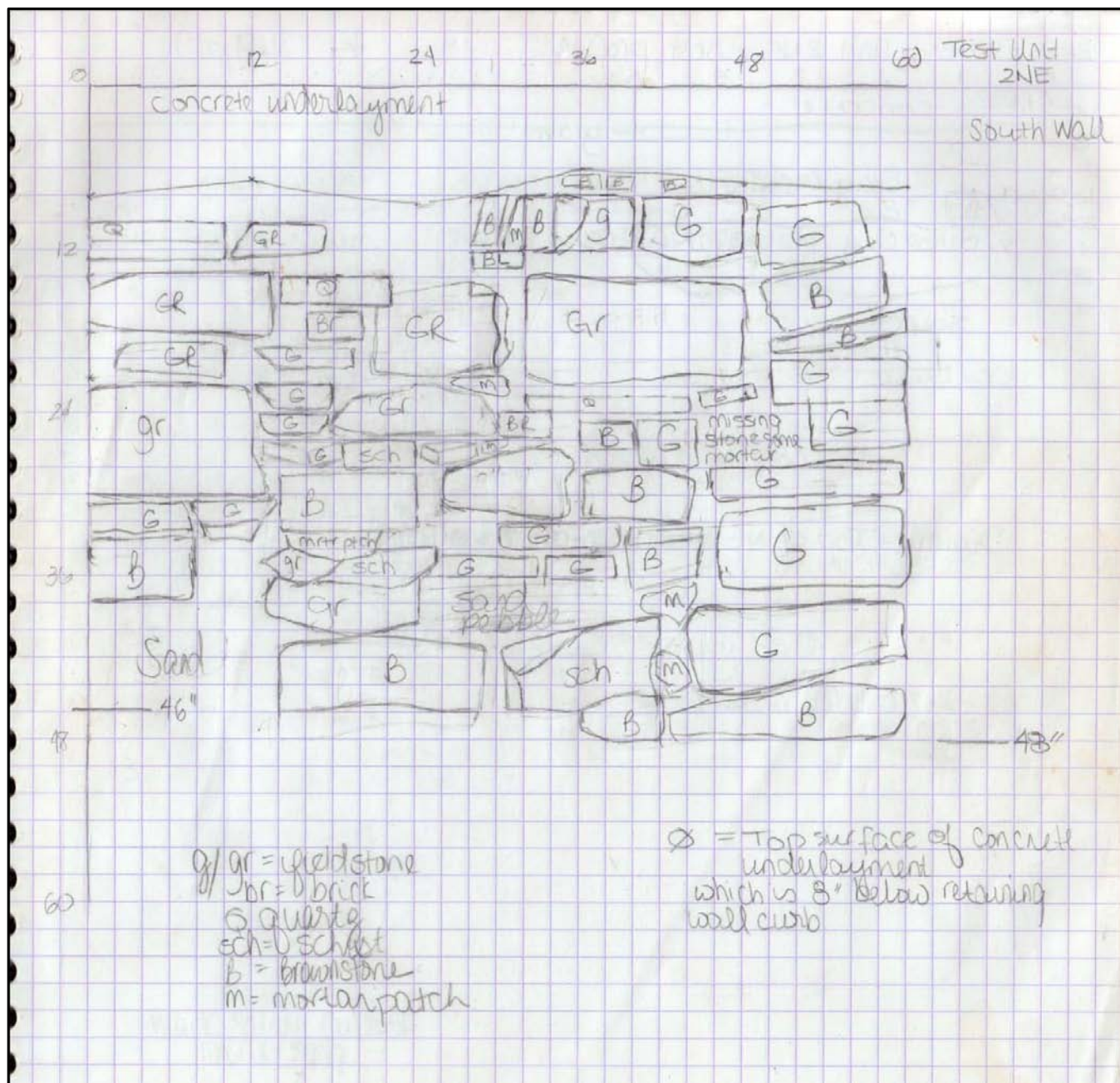
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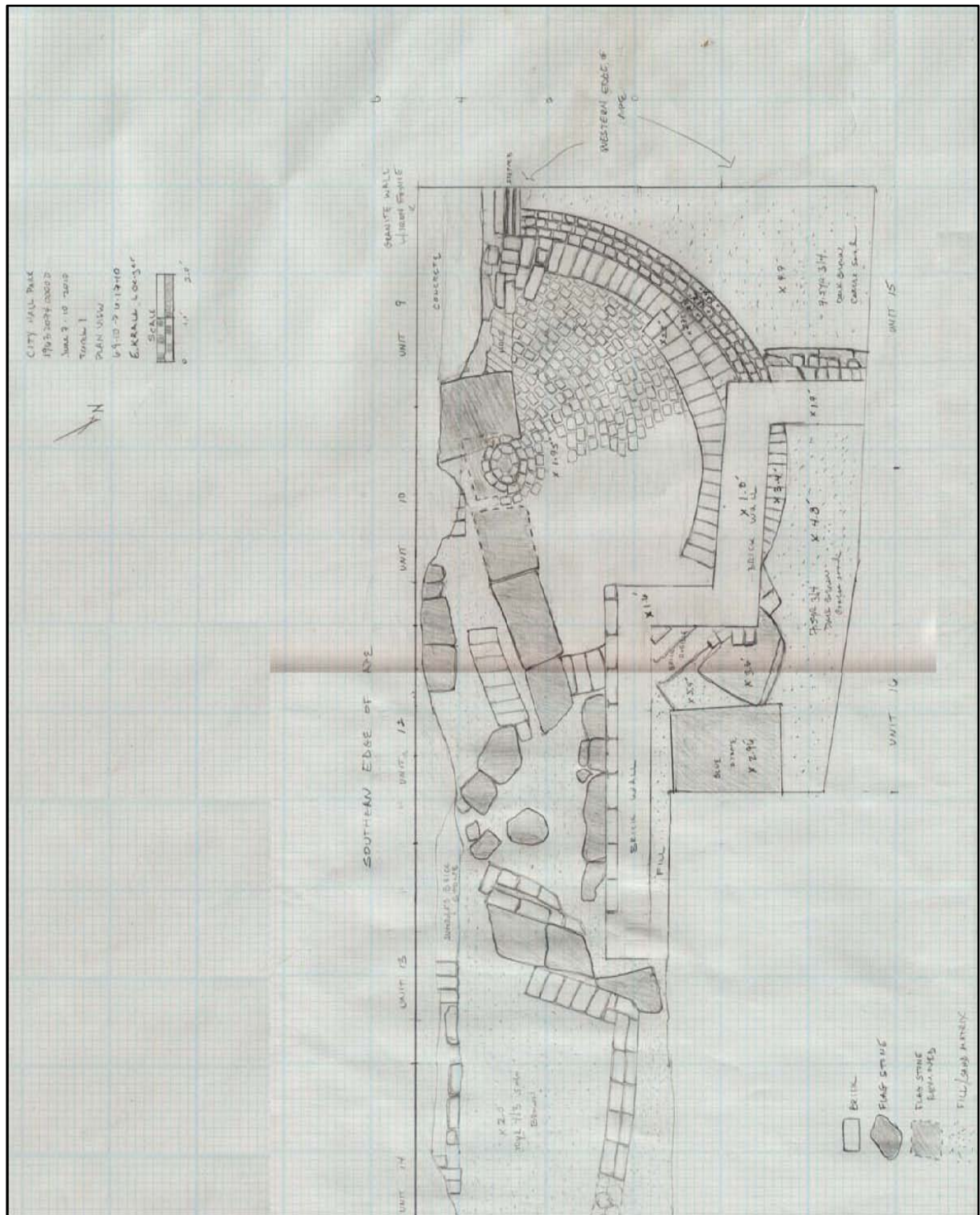
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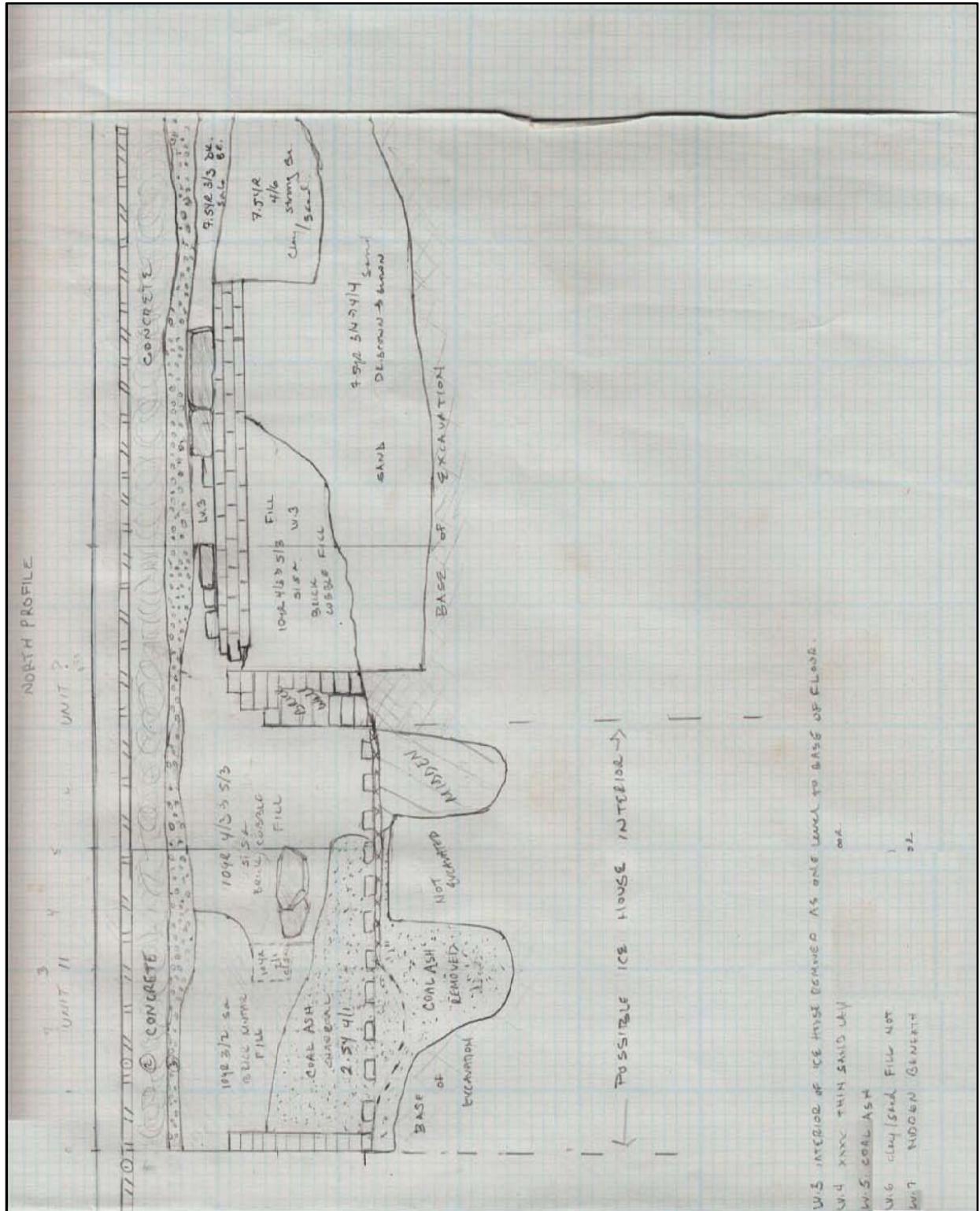


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To: Larry Gutterman, Beyer Blinder Belle - Architects & Planners LLP
From: Alyssa Loorya and Chris Ricciardi - Chrysalis Archaeological Consultants, Inc.
Edward Morin, URS Corporation
Date: October 13, 2010
Re: Memorandum for the Record - Mitigation Outline and Northeastern Field Update

At the request of Beyer Blinder Belle - Architects & Planners LLP (BBB), Chrysalis Archaeological Consultants, Inc. (Chrysalis) and URS Corporation (URS) have been asked to propose mitigation measures for the removal of several archaeological features within the northeastern portion of City Hall Park, in advance of a presentation to the City of New York – Landmarks Preservation Commission (LPC).

PART I: DESCRIPTION OF FEATURES WITHIN THE NORTHEASTERN VAULT AREA¹:

Beginning May 2010, Chrysalis and URS began archaeological testing in the northeast area behind City Hall. This area was identified as the proposed location for a utility vault and stairway access associated with the proposed new sub-basement.

FEATURE 1

Feature 1 is a stone and rubble wall. Originally this was thought to be a remnant of the eighteenth century Almshouse which stood in this location from 1735 until 1797. The wall materials and construction are consistent with an eighteenth century date (Gilbert 2010). Several types of stone including schist, fieldstone, brownstone and brick form the wall. Artifact materials adjacent to and alongside the wall are indicative of kitchen refuse and date from the eighteenth century to the early nineteenth century.

Test excavations along other portions of the extant concrete retaining wall around City Hall also exhibit similar stone and rubble walls. A reconsideration of the identity of this feature suggests that it is likely an original retaining wall associated with the construction of City Hall.

¹ This section complements the previously submitted, In-Progress Field Report #01 (09 July 2010).

FEATURE 2

Feature 2 is a brick domed cistern that had its southern end impacted, i.e. truncated by the construction of the areaway and retaining wall. A majority of the feature remains intact however and exists as a prime example of eighteenth century construction.

Feature 2 predates City Hall and was likely constructed in the last quarter of the eighteenth century for the First Almshouse which stood in the vicinity. The cap of the thirteen foot (13') diameter cistern, outside the areaway, remains intact. Excavation alongside the exterior of the feature determined its depth to be eight feet (8') below modern grade.

FEATURE 3

Feature 3 is a square brick structure with a laid brick floor. The interior of the feature measures seven feet by four and a half feet (7' x 4.5'), the walls are one foot (1') thick and extend four and a half feet (4.5') below datum. The bricks are pressed brick which have a circa 1850 date (Jablonski 2010). The original function of the feature is unknown but it was used for trash disposal and drainage during its history. A mid-nineteenth century drain led directly to the western side of the feature where a deliberate opening was present.

Two distinct trash deposits were found in conjunction with Feature 3. An ash laden deposit was excavated from within the interior and extended to the floor of the feature. The assemblage dates to the mid-nineteenth century containing pearlware pottery, an egg cup, glass tumblers, an 1806 coin and a bakelite button marked with an 1851 patent date.

The second trash deposit was located beneath the floor of the feature. This was also an ashy deposit and contained both eighteenth and early nineteenth century pottery.

FEATURE 4

Feature 4 was a support structure associated with City Hall, possibly an outdoor kitchen. The brick structure has an interior dimension of thirteen and a half feet by six and a half feet (13.5' x 6.5') with one foot (1') thick walls. Along the southern end of the feature is a six foot by two and a half feet (6' x 2.5') extension with a large stone slab beneath an ashy layer. This area was possibly a hearth. The brick foundation walls are constructed atop several courses of a stone spread footer. The walls were exposed at one and a half feet (1.5') below datum. The southwest corner of the structure was built atop the northeastern edge of Feature 2, the brick cistern, which protrudes into the feature.

Further suggesting that this structure served as an outdoor kitchen is its alignment relative to the original kitchen with City Hall's basement, now Room 8C. Beneath the plaster walls, along the north wall of the room is evidence of a doorway that was bricked up and replaced with a window during one of the many renovation phases that occurred. Excavations within the areaway located a door stoop which would lead along the eastern side of Feature 4.

This feature pre-dates Feature 3 but was likely in use during the same period. Feature 3 post-dates the cistern. Among the artifacts were several coins, one dated 1888.

FEATURE 7

Feature 7 is a brick circular shaft feature that was located beneath the northeast corner of Feature 4. This feature pre-dates Feature 4 and the bricks dated to the eighteenth century. The feature extended to depth of five feet (5') below the base Feature 4. Its function remains unknown as it was too shallow for a well and is likely too small for a privy.

FEATURE 8

Feature 8 is an eight and a half foot (8.5') diameter stone well, constructed of schist. Though several different soils were observed within the feature no artifacts were recovered. Excavation of the well only occurred to a depth of five feet (5'). The water table within this area is approximately thirty feet (30') below surface; therefore the feature was not fully excavated and material remains may still be present at the lower levels of the feature.

After Feature 8 ceased to be used for its original function it was repurposed for drainage. Two nineteenth century drains were directed into the feature.

FEATURES 9, 10 AND 11

These features are three brick drains that date to the mid-nineteenth century based upon the brick used in their construction. Two of the three lead to and drain into Feature 8.

PART II: PROPOSED MITIGATION MEASURES:

Based on the current proposal by the City Hall Restoration project, several buried cultural resource features require removal from the northeastern area behind City Hall to facilitate portions of the project. This is to allow for the installation of a new utility vault in association with the proposed new sub-basement for City Hall. As the project area lies within the existing African Burial Ground and The Commons Historic District, all archaeological resources are protected under the jurisdiction of the LPC. Prior to the removal of any significant archaeological resource(s), the LPC requires a mitigation plan to offset the proposed, premeditated destruction of the historic archaeological record. This plan requires approval by the LPC prior to the implementation and removal of any of the resources within the area in question.

Should the project receive approval for the removal of these resources specific protocols should be detailed and agreed upon for their removal. Minimally the deconstruction and removal of the features should be monitored and documented by the archaeological team. Additionally, following the removal of the features additional excavation should occur within the area to determine the depth of sterile soil. The removal of Feature 8, the eighteenth century well, should entail full Phase III archaeological excavation.

Chrysalis and URS propose the following additional documentation measures occur in conjunction with the re-excavation and removal of features within the northeast area.

I. Professional Photographic Documentation

The features proposed for removal are significant historically and are well preserved examples of eighteenth and nineteenth century construction within New York City. Although archaeologists take photographs of their work, they are technical photos. A professional photographer with experience in photographing archaeological and/or architectural features should be engaged to visually document the area.

Professional photographers bring a different focus from that of the archaeologists. These photographs would not only become part of the formal record, but could also be used for proposed public outreach, in museum displays, as educational materials and in publications.

The archaeological team has worked with and recommends three photographers. Fred Conrad has an ongoing series documenting New York City's historic architecture in the New York Times and recently documented the ship uncovered at the World Trade Center. Chester Higgins Jr. is a freelance photographer who has worked with Archaeology Magazine and photographed several New York City archaeological sites and collections including the African Burial Ground and the Hendrick I. Lott House. Patrick Andrade is a freelance photographer who has documented both global news stories and landscapes.

II. Three-Dimensional (3D) Digital Imaging

There are many methodologies for recording archaeological and architectural sites. Mapping and photography are two of the most common and obvious methods. However, with the recent explosion of Geographic Information Systems (GIS) analysis' and three-dimensional (3D) imaging technology, it is now possible to "re-create" a site digitally.

It is recommended that prior to removal of the *in situ* features, 3D digital imaging be employed to fully document the site. This mapping will allow the general public to view and experience or study the features *in situ*, to scale, and in context. The results from this mapping can be made available to the public and researchers in several ways including the Internet, informational kiosks, and as in-school classroom materials. 3D digital imaging will also create a unique record of the site that can be readily accessible to researchers including architects, historians and archaeologists for future study.

Recent examples of this type of archaeological data collection include a survey of the NY SHPO facilities at Peebles Island and at the recent discovery of the wooden ship discovered at the World Trade Center site. The 3 digital imaging of the ship has provided a 3D graphical model that aided in the recordation and deconstruction of the feature. It will also aid in the analysis, interpretation and preservation of the discovery.

Corinthian Data Capture, LLC, (Corinthian) who has pioneered this work and undertook the two projects cited above, was asked to provide an initial proposal for data collection. The basic recordation process produces a 3D image that is scalable, can be zoomed for greater detail and can be rotated on all planes. The scaled data can be incorporated into GIS mapping systems. Additionally, more complex, scans are possible as well. Corinthian's proposal is attached as Appendix B.

Additionally, it is recommended that the project consider employing this methodology for other aspects of the overall project. This technology has many practical applications to architectural preservation and restoration including the ability to provide detailed modeling of a structures interior and exterior façade; and can focus on specific architectural features to serve as a guide for restoration.



Example of 3D imaging of the ship discovered at the World Trade Center site. Courtesy of Corinthian Data Capture – not available for publication.

Chrysalis and URS propose the following additional mitigation measures for the removal of the resources referenced in Part I of this Memorandum.

1. Interpretive Signage

City Hall Park is a highly significant historic site within New York City. Its history is rich and multi-faceted and it is one of the prime archaeological sites within New York City. Interpretive signage, commonly seen at historic sites and popular attractions, can provide detail and information of the area. High definition images and text can ensure that, although no longer extant, the general public can still “view” these archaeological resources and be provided with historic and interpretive information. These can be placed throughout the existing City Hall Park, and surrounding area to detail the archaeological history of the park.

A series of color, four-foot by two-foot (4’x2’) high pressure laminate signs. While upkeep of the signs would have to become part of the routine upkeep of the park, this would be minimal. High-pressure laminate signs are resistant to UV rays, scratching, impact and graffiti.

An excellent example of interpretive signage for a historic and archaeological site is the Château Saint Louis beneath boardwalk at Old Québec City.

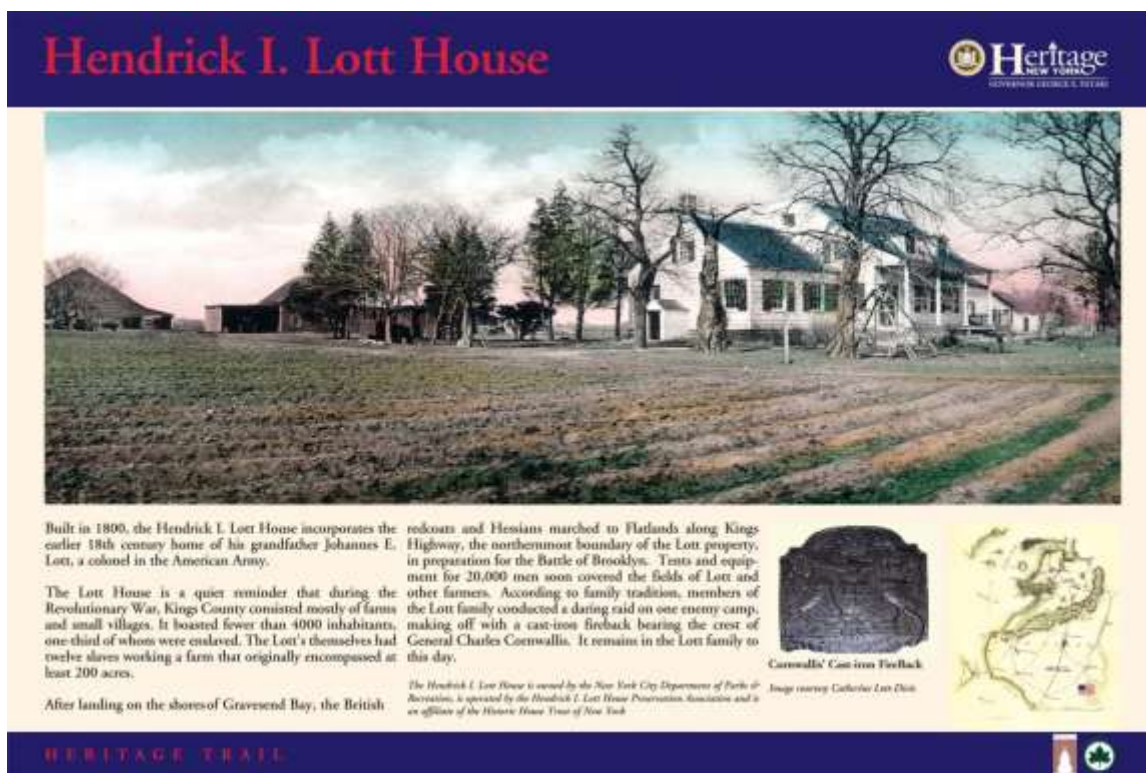


Interpretive signage in Old Québec City



Interpretive signage in Old Québec City

Members of the archaeological team recently worked with Fossil Industries, to produce a series of signs for the Revolutionary War Heritage Tourism Trails and signage for the Hendrick I. Lott House as part of the Underground Rail Road) Heritage Tourism Trail on behalf of the New York State Office of Parks, Recreation and Historic Preservation.



An example of signage from the Revolutionary War Heritage Tourism Trail

2. Informational Guide for City Hall Docent Tours

The Public Design Commission offers weekly tours of City Hall to the public through its docent program. In June, several of the docents visited the archaeological excavation and expressed interest in additional information about the archaeology and overall history of the site. An information guide outlining the larger history and significance of City Hall Park as well as the archaeological discoveries should be created. This would include the area where resources have been destroyed and/or removed.

The northeast area of City Hall contains several features related to the early years of City Hall and many artifacts have been recovered from these features. This information can be used by the docents during their tours of City Hall and made available to the many groups that tour the park.

The time involved with the creation of an information guide is minimal. Distribution can be facilitated in two manners. The first is as a digital source or as a printed distribution. A printed product can be limited to the design commission or made available to the public through the New York City information booth located near the southwest corner of City Hall Park.

3. Educational Program (for grade and high schools)

An educational module on the history of City Hall and City Hall Park would be of great value and should be developed. A stand-alone educational module or packet can be utilized as part of the pre-existing fourth, seventh and tenth grade Department of Education.

The proposed module will present a project-based learning experience that will incorporate several subject areas including social studies, Science, Mathematics and Language Arts. It will be designed for teacher use so that educators can incorporate the materials to best suit their teaching methods and practices. A range of information including a history, selected readings, suggested Aims and Activities, ample lesson plans and supporting resources. All materials will address and meet with New York City and New York State Learning Standards.

Chrysalis has successfully undertaken similar projects working with City Hall Academy through the New York City Department of Education (DOE) (within Tweed Courthouse), the New Jersey Institute of Technology and individual historic associations to produce and implement in-class historic and archaeological programs.

Modules can be tailored to specific grade levels or a generally applicable module can be produced. The educational module can be made available prior to school tours of City Hall and through the Department of Education or through their web site.

See Appendix C for an example of a module created for the New Jersey Institute of Technology and the Brooklyn High School of the Arts Historic Preservation program.

4. Web Site

A web site detailing the archaeology of City Hall and City Hall Park can reach a widespread audience of varying interests and should be highly considered.

A web Site dedicated to the project would include information about the overall site and from the multiple archaeological projects that have occurred at City Hall Park. This web site will be static, once created and uploaded it will not require daily maintenance. The site should be interactive with images, maps and video embedded into multiple layers of the site. It will provide a general overview, detail specific information, and contain excavation and artifact images, 3D models of archaeological features and video of the excavation, etc.

The web site can be hosted by an outside source or through by The City of New York's nyc.gov web page.

The development of a web site should be outsourced to a professional firm. A firm with experience developing similar web sites is the New York City based Something Digital. Something Digital has produced content for the New York Historical Society and is currently producing an archaeology themed web page for the Millennium Gas-Pipeline project within New York State, being overseen by The New York State Office of Parks, Recreation and Historic Preservation (NY SHPO).

Other examples of archaeological web sites are:



<http://www.phillyarchaeology.org/>



<http://www.jefpat.org/archaeology.html>

<http://www.texasbeyonhistory.net/>

5. Popular Publication

Popular publications can take many forms including a popular book, a “coffee-table” book or print media such as magazines and newspapers. Popular publications have the potential to reach a wide spread audience within the City and can be used as a resource in schools or universities.

All archaeological projects under the guise of Cultural Resource Management (CRM) require the production of a final report. However, formal CRM reports are technical publication and are generally not “reader-friendly”.

It is proposed that a formal publication for the City Hall Park Project be produced beyond the CRM technical report. Such a publication can tell the story of City Hall Park’s history and the archaeology in a format suitable for a larger audience.

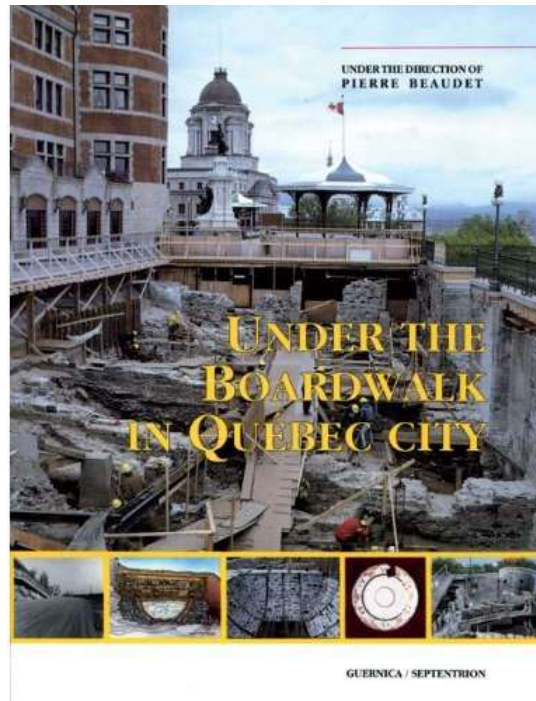
A recent New York City example is the African Burial Ground, which produced several versions of the site report and made available to the public through the project web site.



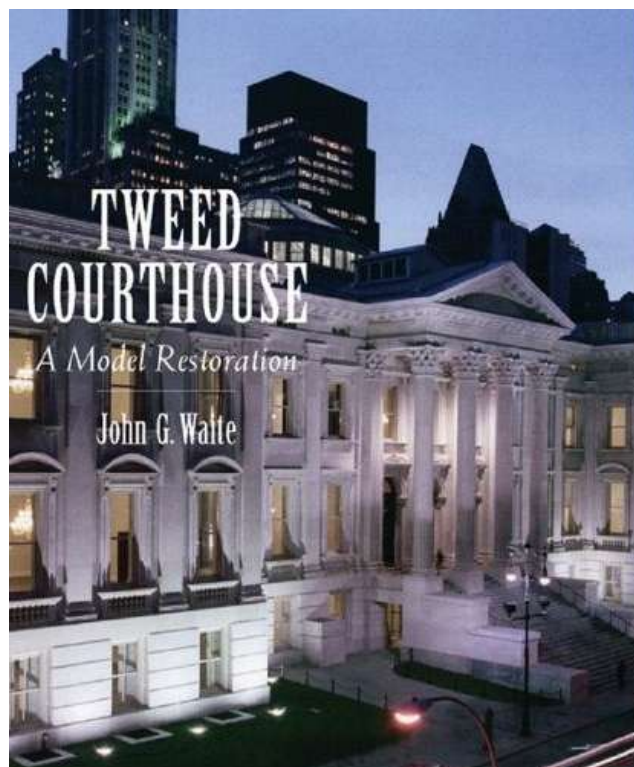
Draft Management Recommendations for the African Burial Ground



Another example is *Under The Boardwalk In Quebec City*, which details a significant archaeological site in Québec City.



A public-friendly coffee-table book that is non-technical and graphics heavy could detail both the archaeology and architectural restoration of City Hall. Two examples of such a publication are *Tweed Courthouse: A Model Restoration* and



Production of a book would require outside funding or backing by a distribution company, such as The City of New York, the City University of New York or any number of local educational institutions (NYU Press) or a private company, such as Anchor Books, which sponsors a series of picture books on “old” New York.

A book will allow New Yorkers to experience the history and archaeology of City Hall Park.

Publication in popular print media should also be considered and is strongly encouraged. Archaeologists are free to write articles for academic publications. Rarely are archaeological projects reported to the public. The project should lobby for a NY Time article as well as write an article for Archaeology Magazine. Doing so will share the project with New York City and archaeology interested community while it is current.

6. Poster Exhibition and Post Card Series

Posters are an effective means of providing information to the public; they are portable and inexpensive to produce.

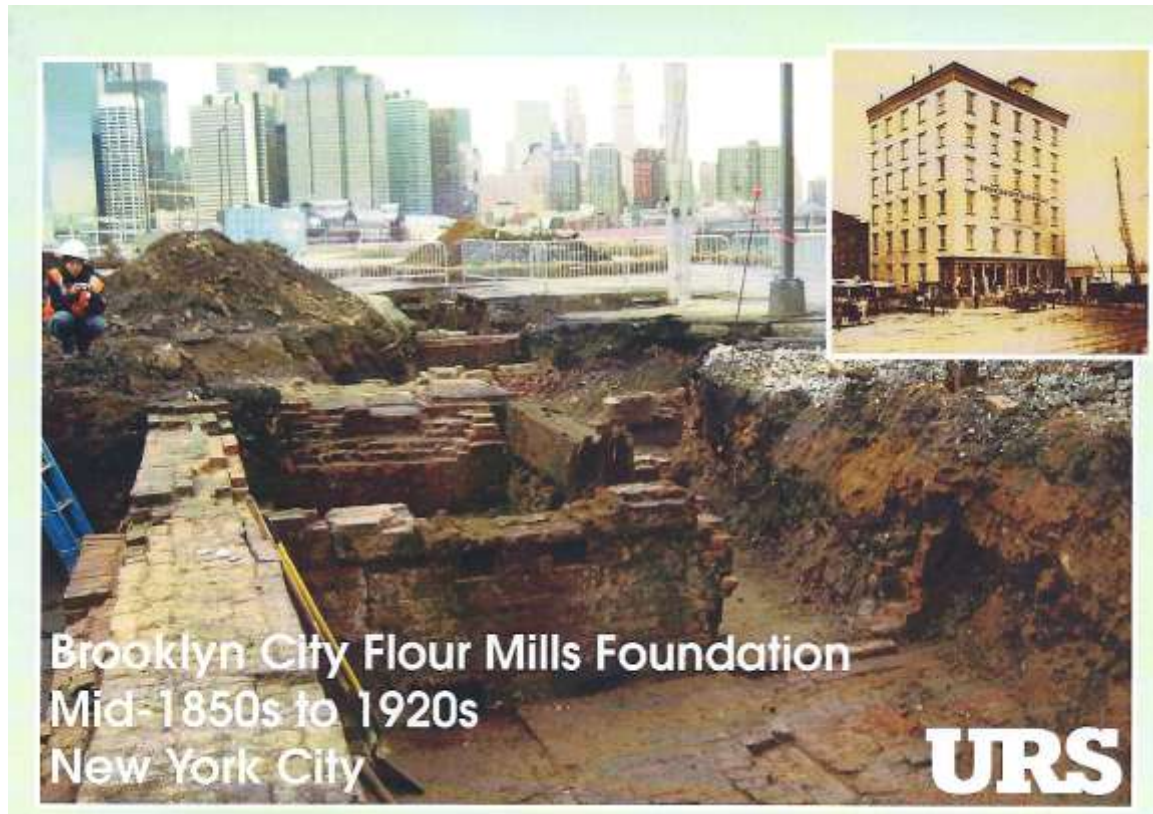
Using imagery and minimal text posters can convey an array of information and media in an artistic display.

URS has created several popular and successful posters on behalf of the Council for Northeast Historical Archaeology (CNEHA) artifact series. These posters reflect artifacts as “time telling” tools.

It is suggested that the project present a poster art exhibit within City Hall Park for public viewing. These posters can contain examples of historic images and photographs of the material culture of City Hall Park. Such an exhibit can be linked to the 200th Anniversary of City Hall. Beyond this, the exhibition could go on display at the Museum of the City of New York.

As part of this a complementary post card and small posters can be produced. A series of post cards can highlight the archaeological features and the artifacts associated with the project. URS has a successful ongoing post card series that presents the various archaeological projects they’ve undertaken.

Both the post cards and posters can be provided to institutions such as schools, museums, libraries and historical societies; as well as sold the public through places such as the New York City Store



Example from the URS postcard series.

7. Expose the Cistern for public viewing.

A potential mitigation technique would be to leave the large circular cistern exposed *in situ* and viewable to the public. Preservation in place promotes access to historic resources for the public or availability for future research. Leaving the cistern *in situ* and exposed would provide a preservation example and informational resource. Commonly archaeological features that remain “exposed” for viewing are protected by a clear surface that allows for sub-surface viewing.

However, considering the significance of the cistern as the lone remaining feature of what is a complex archaeological landscape and a prime example of late eighteenth century construction, it is suggested to project consider means to leave to cistern completely exposed *in situ*. Exposed archaeological features and sites can be seen in Québec City, Montreal and at the Tower of London.



Example of exposed archaeological feature in Québec City; this feature is part of a larger permanent archaeological exhibit.

Several mitigation measures have been present, each having its merits. This is not an exhaustive list of potential measures. Other mitigation that may also be considered are: a television/cable program or video of the excavation. Portions of the overall project are already being filmed, a short documentary focusing on the history and archaeology can be produced. Such a film could be used by either by broadcast or cable television and for educational and museum institutions. This documentary could be produced and shown on The City of New York's own channel (Channel 25) as part of their ongoing series on New York City History.

The project can develop a travelling museum exhibition using the artifacts recovered from the features. These exhibits can be set up in formal institutions (i.e. museums or art galleries), or in public locations such as office buildings, tourist areas, within the NYC Subway, etc. A permanent exhibit could be created within City Hall. Another exhibition option is to work with the MTA to present a “Light Box” exhibit of artifacts within the Brooklyn Bridge/City Hall Subway Station or the in-process Fulton Street Transit Center. The MTA produce such an exhibit for the artifacts recovered as part of the South Ferry project.

Lastly the archaeological team would hope have support in developing a conference session to be presented in several venues including at major archaeological conferences (such as Society for Historical Archaeology, Society for American Archaeology, CNEHA and the Professional Archaeologists of New York City. This could be expanded into a public lecture series.

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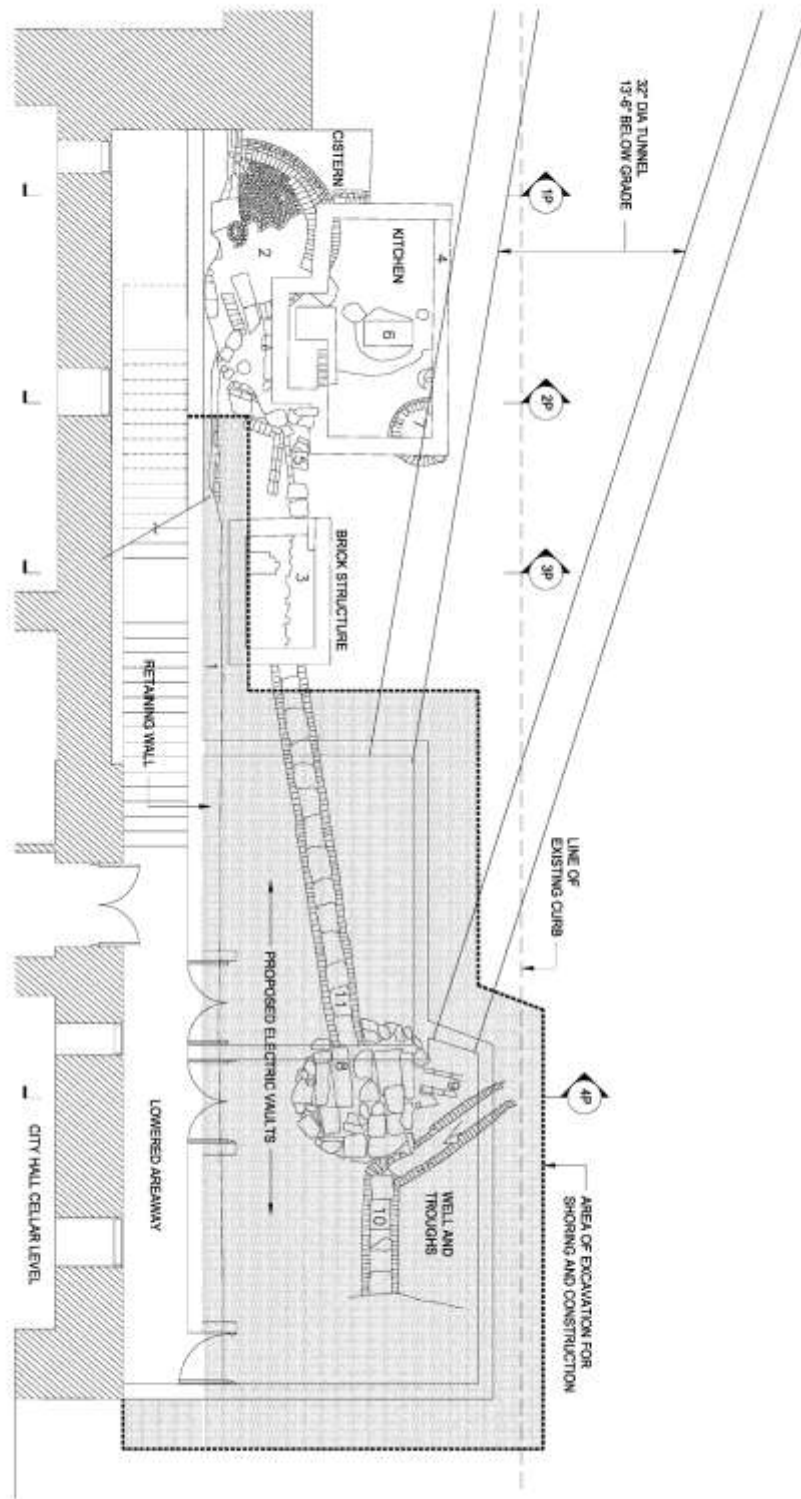
To: Larry Gutterman, Beyer Blinder Belle - Architects & Planners LLP
From: Alyssa Loorya and Chris Ricciardi - Chrysalis Archaeological Consultants, Inc.
Edward Morin and Daniel Eichinger, URS Corporation
Date: November 3, 2010
Re: Memorandum for the Record - Mitigation Outline and Northeastern Field Update

At the request of the City of New York – Landmarks Preservation Commission (LPC), Chrysalis Archaeological Consultants, Inc. (Chrysalis) and URS Corporation (URS) were asked to formulate a plan for the deconstruction and removal of several *in situ* archaeological features in the northeast area behind City Hall. This plan is part of the larger mitigation plan that will be required by the LPC for the loss of these landmarked and National Register eligible features as this area falls within the landmarked, African Burial Ground and The Commons Historic District.

As previously outlined in the In-Progress Field Report #01 (09 July 2010) (Loorya and Ricciardi 2010) and City Hall Park - Mitigation Outline and Northeastern Field Update (13 October 2010) (Loorya, Ricciardi and Morin 2010), the northeast area is the proposed location for a new utility vault that will encompass an area approximately forty-one feet by twenty feet (41' x 20') with an impact depth of twenty feet (20'). Implementing this new construction requires the removal of several archaeological features that were uncovered and documented in June 2010 (Map 01).

Eleven architectural features were uncovered in the northeast vault area:

- Feature 01: Retaining wall
- Feature 02: Domed brick cistern
- Feature 03: Nineteenth century brick structure
- Feature 04: Outdoor kitchen foundation
- Feature 05: Nineteenth Century brick and stone drain (removed)
- Feature 06: Wooden box (excavated)
- Feature 07: Circular brick shaft feature
- Feature 08: Eighteenth century stone well
- Feature 09: Nineteenth Century brick and stone drain
- Feature 10: Nineteenth Century brick and stone drain
- Feature 11: Nineteenth Century brick and stone drain



Map 01: Proposed area of the new vault – requiring the removal of all in situ, landmarked, potential eligible National Register, archaeological features

The City Hall Renovation Project is proposing several mitigation approaches in response to the requested full or partial removal of six of these archaeological features (detailed in the report by Loorya, Ricciardi and Morin 2010). These include, but are not limited to, Three-Dimensional (3D) imaging of the features and high resolution photography prior to the controlled deconstruction of the resources. The following plan details the preparation process to allow for the above mentioned mitigation and the ensuing controlled deconstruction of the resources.

I - Removal of clean fill

The removal of the clean fill in the Northeast Vault Area is necessary to fully expose the area prior to the 3D imaging and the high resolution photography. This work is to be performed by the construction contractor (Rockmore) and is presently slated for completion by November 3, 2010. This entails re-excavating the clean fill that was placed within the area in July and August 2010, and in limited instances, excavating previously untouched areas, to an overall depth of five feet (5') below grade. For the most part, this should not require strict monitoring by the Chrysalis/URS archaeological team, other than to ensure proper care during the process. Strict monitoring will be required in the case of the large well feature, as the area to its north was not previously excavated. An archaeological monitor must be present during this process. The removal of the soils between the ice house and retaining wall will also require the presence of an archaeological monitor, as this area has also not been previously excavated. If it is decided that any other areas that were not previously excavated (i.e. not presently containing clean fill) are to be impacted, then an archaeological monitor must be present during excavation. Any artifacts encountered will be retained and bagged according to the proper provenience.

II - Preparation of Northeast Vault Area

Following the removal of the clean fill to a depth of five feet (5') within the Northeast Vault Area by Rockmore, all archaeological features will be cleaned by the archaeological team prior to the LPC site visit, 3D digital imaging, and high resolution photography. The archaeological team will utilize small hand tools, such as trowels, whiskbrooms, dustpans, and paintbrushes, to remove the final vestiges of clean fill from the features and make them "photo-ready". Any additional artifacts encountered during this process will be bagged according to established proveniences. Although unlikely, if any previously undiscovered deposits/features are encountered, they will be documented and/or screened. It is assumed that these tasks will require two to three days. Assuming the clean fill, and any other encountered soils, is removed by Wednesday November 3, 2010, cleaning of the features should be completed by Monday November 8, 2010.

III – Digital Imaging and Photography

The Three-Dimensional (3D) imaging is to be performed by Corinthian Data Capture and is scheduled for Tuesday November 9, 2010. High resolution photography of the northeast vault area will be performed by a professional photographer hired in consultation with the City of New York – Department of Design and Construction (DDC) and City Hall. The selection and scheduling of the photographer is being coordinated by Louise Levi, representing DDC.

IV - Deconstruction of select archaeological features

Following the removal of all soils to the required depth, the visit by LPC Commissioners, including their concurrence of the overall mitigation plan, and the digital imaging and photographing of the site, the removal of specific features, or elements thereof, will commence (Map 01). The six archaeological features to be removed include the brick drains (Features 09, 10 and 11) associated with the well and cisterns, a southern portion of the nineteenth century brick structure (Feature 03), the initial five feet of the eighteenth century well (Feature 08), and a majority of the northeast retaining wall (Feature 01). The removal of each feature involves specific issues and methodologies, which are detailed below.

It is proposed that the deconstruction of the features occur in the following order.

Brick Drains (Features 09, 10 and 11) (Image 01)

These features will be carefully deconstructed by the archaeological team in five foot (5') sections. This will allow the recordation of any artifacts encountered or interior deposits within discrete proveniences. Brick and bluestone samples will be retained, with special attention paid to any bricks with maker's marks. The remaining structural elements will be placed into five gallon buckets or a wheel barrow and removed from the vault area with the aid of the Rockmore construction laborers. As there is approximately fifty-five linear feet (55') of brick drain to be removed, it is estimated that this task will require four days. It is assumed that the services of two to three construction laborers will be available for this task.



Image 01: Feature 11 – Brick Drain

Nineteenth Century Brick Structure (Feature 03) (Image 02)

Although the current plans only require the removal of the southern wall and relatively small portions of the eastern and western walls of this feature, the removal of a larger section will be necessary. Due to the interlocking nature of the running bond construction method, if the northern section of the feature is to retain structural integrity, larger sections of the eastern and western walls must be removed. Additionally, the southern wall of the feature is approximately six to eight inches north of the northeast retaining wall. In order to accomplish the deconstruction of the retaining wall, the removal of a greater than anticipated portion of the brick feature will be needed to gain the necessary working space. Therefore, it is likely that the entire southern half of Feature 03 will have to be removed.

The archaeological team will carefully deconstruct the southern half of Feature 03, retaining both representative brick samples and any individual brick's with maker's marks. The remaining structural elements will be placed into five gallon buckets or a wheel barrow and removed from the vault area with the aid of the Rockmore construction laborers. All artifacts encountered will be retained and given appropriate provenience designations. As approximately half of the nine and a half feet by four and a half feet (9.5 x 4.5) feature is to be removed, it is estimated that this task will require two to three days. It is assumed that the services of two to three construction laborers will be available for this task.



Image 02: Feature 03 - potential early nineteenth century brick feature.

Well (Feature 08) (Image 03)

The large nature of the stones that comprise the well necessitates its deconstruction by the Rockmore construction laborers. The archaeological team will closely monitor the removal of the initial five feet of the well, but the actual work is best suited to those familiar with demolition work and the safest way to accomplish such work. As the well stones are dry laid, unpowered hand tools may suffice. The archaeological team will ensure that proper care is utilized, especially as archaeological remains may be recovered from between the cobblestones. Any artifacts will be retained and bagged according to already established proveniences. As for the well stones themselves, it would be unwarranted to simply dispose of these large, shaped stones. Creative re-use of these materials would be preferable; possibly for beautification projects associated the City of New York - Department of Parks and Recreation. It is estimated that with the assistance of three to four laborers, this task will require two to three days.



Image 03: Feature 08 – Well – also showing portions of Feature 11 – Brick Drain.

Retaining Wall (Feature 01) (Image 04)

Similar to the well, the large nature of its structural components, and of the feature itself makes its removal problematic. Although the archaeological team will closely monitor the deconstruction of the retaining wall, the actual work is best suited to those familiar with demolition work and the safest way to accomplish such work. Additionally, because the wall is tightly mortared and its southern face is encased in concrete, powered hand tools (e.g., chipping guns and jack hammers) will most likely be necessary. The archaeological team is not qualified

for such work; Rockmore construction laborers are best suited to this task. The archaeological team will ensure that proper care is utilized, especially as further archaeological remains may be recovered from between the stones. Any additional artifacts will be retained and bagged according to already established proveniences, or new ones as necessary. All materials will be removed from the area by the Rockmore construction laborers. The estimated time for completion of this task is dependent upon time and manpower requirements of the construction managers. The timing of this event is also dependent on the construction managers and the construction schedule.



Image 04: Feature 01 – stone retaining wall (general area)

IV – Additional Testing in Specified Areas

Following the removal of the above features, limited archaeological testing will be required in two specific areas. The area beneath the floor of southern half of the nineteenth century brick feature (Feature 3) contained a late eighteenth century trash pit or midden. In order to allow further bulk excavation in this area, the archaeological team will first need to clear this area of any remaining historic deposits. Testing will consist of a single five foot by five foot (5' x 5') test excavation unit, or its areal equivalent, to be excavated by the archaeological team. A second five foot by five foot (5' x 5') test unit will be excavated adjacent to the retaining wall and to the east of Feature 3, as a second midden was located in this area during earlier testing. All test units will be excavated stratigraphically and cease when virgin soil is reached. All soil will be screened through quarter inch ($\frac{1}{4}$) hardware mesh and all artifacts bagged according to their appropriate proveniences. Standard URS forms will document the excavations, and representative profiles will be drawn to scale and photographed when the excavation concludes. Any additional features found within the units will also be excavated and fully documented.

Given the assistance of two Rockmore construction laborers to remove screened soils, it is estimated that each unit will require two to three days (2-3), for a total of four to six days (4-6).

Although unlikely, it is also possible that the re-excavation of the clean fill and removal of the listed features will uncover further deposits or features. These will be dealt with as needed and in a similar fashion. If necessary, excavation techniques and time estimates to complete these tasks will be determined at that time.

References:

Loorya, Alyssa and Christopher Ricciardi.

- 2010 City Hall Park, In-Progress Field Report, Number 01 (09-July-201).
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New York, New York.

Loorya, Alyssa, Christopher Ricciardi and Edward Morin.

- 2010 City Hall Park - Mitigation Outline and Northeastern Field Update (13 October 2010). Report on file with the City of New York – Landmarks Preservation Commission. New York, New York.



To: Amanda Sutphin, Director of Archaeology – Landmarks Preservation Commission
Richard Southwick and Larry Gutterman – Beyer Blinder Bell Architects
Salvatore Cali, Jr. City Hall Project Manager – Department of Design and Construction
Alexandra Ramos - Department of Design and Construction
From: Alyssa Loorya and Christopher Ricciardi - Chrysalis Archaeological Consultants, Inc.
Date: June 14, 2011
Re: City Hall – Bridewell Additional Testing Proposal

INTRODUCTION:

This Memorandum For The Record (MFR), is provided by Chrysalis Archaeological Consultants, Inc. (Chrysalis) to the City of New York – Department of Design and Construction (DDC), the City of New York – Landmarks Preservation Commission (LPC) and Beyer Blinder Bell Architects (BBB) and outlines options for additional Cultural Resource Management (Archaeological) study of the eighteenth century Bridewell as required in the determination by the LPC as part of the Manhole #3 Expansion project.

The area of Manhole #3, to the northwest of City Hall, required expansion as part of the overall Micro-Tunneling project. Archaeological monitoring was part of that work and it was noted that the area had previously shown the potential for significant buried archaeological resources.

During excavation several significant, and substantial, architectural features, were uncovered as well as significant material deposits. Initially this included a wide staggered stone structure, believed to be a base for stairs and a brick shaft feature (Image 01). Archaeological excavation was expanded to determine the extent of the features and attempts to identify them. This confirmed that the stone feature extended north and south. Its construction of large mortared sandstone appeared to be eighteenth century in nature. Its location suggests that it was part of the eighteenth century Bridewell prison. The brick shaft feature appeared to have a nineteenth century date based upon its construction materials and its provenance having impacted the existing, therefore earlier, stone feature.

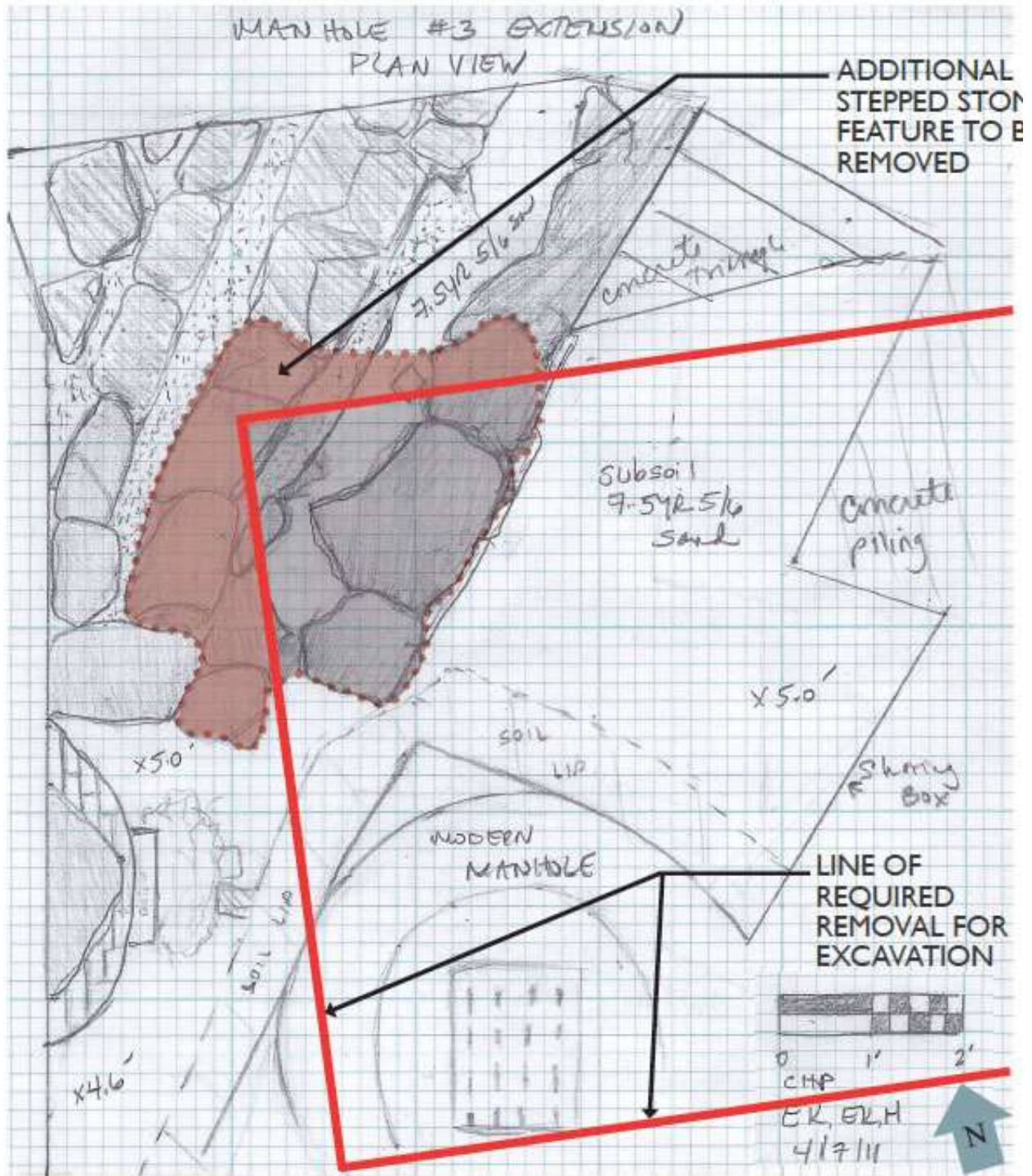
A portion of the stone feature required removal for excavation work to proceed. Work was temporarily halted while the project presented their discovery and requested permission to remove a portion of the stone features from the LPC (April 19, 2011) (Map 01).



Image 01: Manhole #3 Expansion area – exhibiting archaeological features

The LPC granted permission to remove the requested portion of the features uncovered. Additionally, the LPC required the following as a condition of the removal:

- a) Controlled deconstruction to be performed under supervision by the project archaeologist.
- b) “...that additional archaeological testing will be undertaken to better define this discovery...” (Appendix A).



AREA OF REQUIRED REMOVAL

Map 01: Deconstruction Plan Map

The deconstruction of the required portion of the stone feature revealed additional archaeological features or aspects of the same feature. The stepped stone feature sat atop a vaulted brick ceiling. After consultation with, and permission from the LPC, continued removal of this newly discovered feature exposed a two foot thick exterior schist stone foundation wall. The interior area of this structure beneath the brick vaulted ceiling was filled with a dense mix of building mortar including eighteenth century brick. Continued excavation documented the dry-laid foundation wall continuing to a depth of thirteen and a half feet (13.5') below surface, culminating with a five foot (5') width of laid stone. The expanded width is likely representative of a load bearing mechanism for the large stone structure. Beginning at approximately eight feet (8') below surface the amount of rubble had significantly lessened and a dense artifact deposit was exposed. The materials recovered represent only a small portion of the deposit as the remainder clearly visible in the profile lay outside the excavation area. Among the artifacts are several pipe bowls and stems, a range of near complete early nineteenth century pottery and a significant amount of faunal material.

A preliminary date of the assemblage is consistent with the demolition date of the Bridewell and the building materials and features are consistent with the known descriptions of the Bridewell structure.

It is the working hypothesis that the stone archaeological features and the trash deposit recovered within are all directly related to the Bridewell. The brick shaft feature is a post Bridewell construction dating to the mid to late nineteenth century. However, its depth and original function remain undetermined.

SUMMARY OF ARCHAEOLOGICAL SENSITIVITY:

Designed by Theophilus Hardenbrook, the Bridewell was constructed in 1775(Image 02). It initially served as a debtor's prison and a house of reform for those convicted of lesser crimes. During the Revolutionary War the British used the prison to house American Prisoners-of-War. After the War, its function returned to use as a "correctional" facility beginning in 1803.

City Hall was constructed to the east of The Bridewell (Image 03). The Bridewell remained in use as a prison until 1838, when it was demolished.

The Bridewell is described as having been a large masonry structure with a three story central wing. The side wings were two storeys each. The Bridewell sat atop a raised basement and each section of which had several bays. It is believed to have measured thirty-nine feet by one hundred forty-six feet (39' x 146').

The property surrounding the Bridewell was used for a variety of activities by inmates. This included two forges in which prisoners made nails.



Image 02: The Bridewell



Image 03: The Bridewell

The substantial stone foundation feature uncovered as part of the Manhole #3 Expansion project is consistent with a large masonry structure such as the Bridewell. The construction materials of the stone feature are also consistent with historic descriptions and images of the Bridewell (as referenced and depicted in volumes such as the Minutes of the Common Council, Stokes, the LPC Designation Report and various cultural resource reports such as Hunter 1993).

Discovery of the Bridewell foundation marks the first time within City Hall Park that the remnants of an eighteenth century structure have been identified within near one hundred percent certainty. Additionally, the western side of City Hall has only been subject to minimal utility installations or other construction episodes and minimal archaeological testing. In consideration there is a high probability that a majority of the Bridewell foundation and associated material remains undisturbed beneath the surface.

The opportunity to “better define this discovery” is twofold. The possibility exists to document a near complete eighteenth century structure; a distinct rarity in not only City Hall Park, but Manhattan and New York City itself. Additionally the potential for further recovery of artifacts deposits that can be definitively associated with the Birdwell would allow opportunity to learn about the activities, diet and general lifeways of these eighteenth century residents.

Chrysalis proposes the following options or paths forward to meet the LPC required additional archaeological investigation with regard to the Bridewell.

OPTION 1: ADDITIONAL ARCHAEOLOGICAL TESTING SCOPE AND METHODOLOGY:

Despite all the archaeological testing and excavation that has occurred within City Hall Park, the area of the west field has undergone the least amount of subsurface disturbance. Additionally, the remains of the Bridewell itself, or materials associated with it, had never been definitively identified as part of any project. The discovery of the Bridewell wall is of major significance with a high level of sensitivity for further archaeological potential. Further, archaeological testing can allow the project to document this historic structure and potentially uncover materials directly associated with the inmates of this penal institution.

The following testing procedure is recommended to further define the Bridewell:

1. Continue excavation of the existing Manhole #3 expansion area to the north further exposing the existing feature. Based on projected measurements and location of the Bridewell, this provides the best opportunity to locate a corner of the structure. Locating a corner will provide a basis to better extrapolate the location of the remainder of the structure.
2. Excavate two five foot by five foot (5' x 5') test units – to further recover and investigate an area in which artifact materials and soil features were identified during the manhole expansion.

3. Excavate eighteen (18) approximately three foot by three foot (3' x 3') test units. This would allow for the definition of the building's size and location. Units would only be excavated to the exposure of the foundation to allow for configuration and documentation.

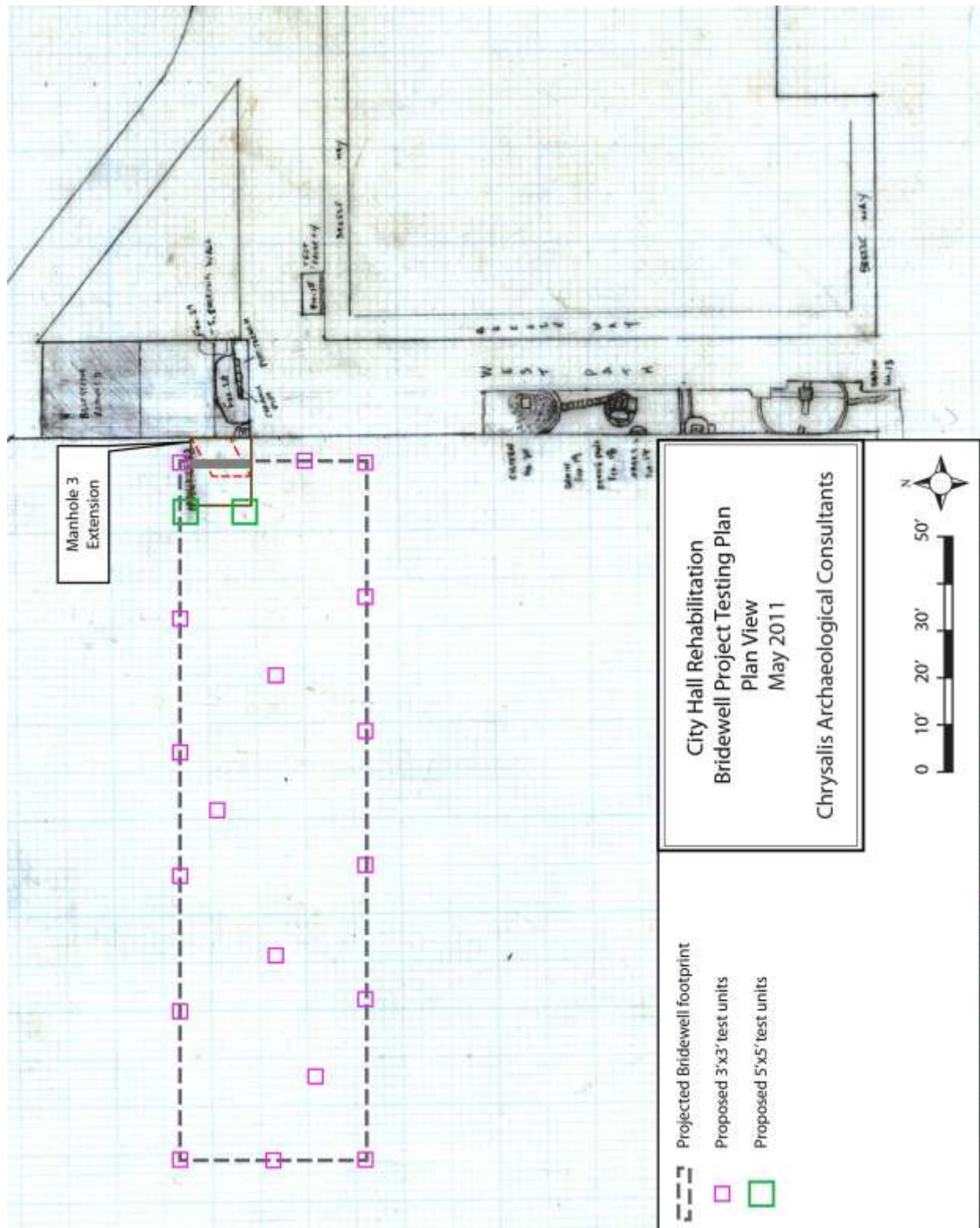
Map 02 outlines the proposed excavation plan for the Bridewell Project. It should be noted that the size of the feature, denoted by the dotted line, is based on the historical dimensions for the Bridewell provided in the 1994 Hunter Research report (Hunter 1193, 1994) (Map 02). It is anticipated that the Bridewell should be in this general location based on existing historical information and the recent discoveries.

The first unit excavated would be positioned immediately adjacent/abutting the Manhole #3 extension to chase the already exposed feature. Based on known information it is hoped a corner of the structure will be exposed. Exposing a corner of the structure would provide a base to extrapolate the size and location of the Bridewell foundation. This would enable us to better focus further testing to expose the wall.

Two five foot by five foot (5' x 5') test units would be excavated adjacent to the Manhole #3 extension. This will help to document the previously exposed cultural features and soils including the brick shaft feature and artifact deposits. Though dated to the nineteenth century, the total depth of the shaft feature has yet to be determined. Its original function is also undetermined at this time. During excavation of the Manhole #3 Expansion, several artifacts were recovered adjacent to the stone feature. The stratigraphy suggested the possibility of a trash pit but excavation was halted before the area could be completely investigated. Excavating adjacent to, and encompassing this area, will allow a better definition of the feature's boundaries. It would also provide the opportunity of exposing the northern Bridewell wall.

Eighteen (18) three foot by three foot (3' x 3') test units will be spaced at approximately twenty-five foot (25') intervals, along the proposed footprint of the Bridewell foundation. However, it should be noted that by locating corners of the structure, the number of test units may be reduced. These test units would be positioned to trace the foundation, identifying a more precise size and location of the structure. Depth of the units may vary, dependent on the topography, but based on the excavation in the Manhole #3 extension, the units will likely extend to approximately five feet (5') below surface.

Four of the 3x3 test units would be positioned within the probable "interior" of the structure to help determine if there are in situ cultural materials present and the depth of fill or modern soils in this area. This information would be of great value to the LPC for potential future work that may occur in the area.



Map 02: Proposed Testing Plan for the assumed Bridewell outline

All test units will be hand excavated by the archaeological team. The archaeologists will record all archaeological resources are exposed. Recordation will include vertical and horizontal location of all encountered resources. The archaeologist will also maintain drawings, photographs, and descriptions of all resources, as necessary.

During excavation, construction personnel may be called upon to assist the archaeological team with meeting all OSHA regulations such as OSHA approved safe access (i.e. shoring) to the excavation area, should the need arise. For example, the proposed 5x5' unit would require shoring. Also, the project may consider having construction personnel aid in the portions of the excavation as this may reduce the overall duration of the project.

Test units will be excavated stratigraphically. Soils will be screened through ¼-inch-mesh hardware cloth, as necessary. All soils will be described using the Munsell color system and standard texture classifications. All artifacts recovered during screening will be retained, with the exception of bulk materials such as concrete rubble, brick, large metal objects, ash coal, cinders, and slag. In the case of such materials, a sample will be retained from each provenience and the remainder will be quantified and discarded in the field. Recovered artifacts will be bagged according to their unique provenience and transported to the laboratory for processing, conservation, and analysis. An artifact catalog, recording the depth and location of each recovered artifact, will be created. Soil profiles, cultural features, etc. will be described, photographed in digital format and illustrated in measured drawings in plan and vertical perspective, as appropriate.

Should additional unexpected cultural resources be encountered, that are determined by the on-site archaeologist to be potentially significant, the archaeologist will notify all agreed upon relevant parties, including, LPC, DDC and BBB. If deemed necessary, in consultation with all parties, the scope of testing may be expanded.

DOCUMENTARY RESEARCH:

Additional limited documentary research should be undertaken in order to further define and document this highly significance resource. City Hall Park has been well researched historically. However, with the advent of increased availability of digital resources (i.e. many obscure or hard to find eighteenth and nineteenth century histories, it is recommended that a limited resource survey relevant to the Bridewell be undertaken. Also, limited research into eighteenth century penal institutions should be undertaken as a means of providing further context for this significant resource.

ARTIFACT ANALYSIS AND CURATION:

All artifacts will be cleaned and catalogued. Historical artifacts will be analyzed in terms of material type, form, function, and temporal attributes (e.g., Noël Hume 1969, South 1977, Miller 1991). Detailed analysis will include the identification of the Terminus Post Quem (TPQ) of artifacts for each context and the mean beginning and end dates for assemblages. This

information will be used to establish context and to determine whether assemblages represent primary or secondary deposits.

Faunal remains will be dry-brushed, sorted and cataloged according to species. Analysis will quantify species, provide MNI and document butchering.

Any artifact collection removed from the project site will be the property of the project site owner, in accordance with the LPC, New York Archaeological Council (NYAC) and the New York State Office of Parks, Recreation and Historic Preservation (NY SHPO) guidelines. Chrysalis will properly prepare the collection for curation. Upon completion of the laboratory analysis the artifacts will be returned to the City of New York for long-term curation. It is the responsibility of the City to arrange for the long-term curation of the collection in an appropriate facility, such as the New York State Museum, or other comparable facility. It is recommended that any artifacts recovered be stored with the collection from the 1999 excavation, currently stored at the Brooklyn College Archaeological Research Center (BC-ARC), Brooklyn College, CUNY, Brooklyn, New York.

HUMAN REMAINS:

The protocol to follow in the event that human remains are uncovered during this, or any, phase of the project, is fully documented in the LPC approved Unanticipated Discoveries and Human Remains Protocol (Loorya and Ricciardi 2010).

In the event that human remains are encountered during excavation, the archaeologist will halt all activities in the area surrounding the find and contact LPC, DDC and BBB. Unless otherwise directed, DDC will immediately notify both the City of New York Police Department and the Office of the Chief Medical Examiner of the find. The DDC will notify other parties as directed by LPC or as indicated by city/state law. The archaeologist will contact the on-call forensic anthropologist. Once the law enforcement agencies have determined that they have no concerns regarding the remains, the archaeologist(s), will begin a more detailed archaeological assessment of the find's significance.

If the find is determined to be an isolated, disarticulated, or displaced human bone(s) not part of a deliberate or isolated burial, such as is occasionally found in areas created by landfilling or in fill deposits, or is completely disturbed by previous construction activities it will be removed. LPC will be consulted to determine if any further mitigation may be required by city, state, and/or federal law.

If it is determined that intact, or potentially intact interments are present, the forensic anthropologist will be brought on-site to document the interment(s). This does not include removal of the burial. LPC requires that all burials be protected in place and construction be redesigned to avoid impacting them.

REPORT RESULTS:

A Report will be produced documenting the results of the archaeological testing of this area. The report will be prepared according to LPC Guidelines (2002) and the NYAC standards (1994).

The report will be submitted to BBB, DDC and LPC for comment and review. Regulatory approval lies with LPC. Both digital and printed copies of the report will be provided to all parties.

OPTION 2: LIMITED ADDITIONAL ARCHAEOLOGICAL TESTING SCOPE AND METHODOLOGY:

In consideration of the project's financial constraints, a minimized, yet highly focuses, testing strategy is a second option.

Option 2 would focus on expanding the already exposed area of Manhole #3 and consists of the following:

- a. Continue to excavate from the northern edge of the existing area. Based on documented resources there is a high probability of exposing the northeast corner of the Bridewell within a few feet from the existing trench area. In excavating this area, it would help to establish a base to mark the location of the Bridewell.
- b. Excavate a five by five foot (5'x5') unit at the northwest corner of the existing trench to further investigate the above noted cultural strata and hopefully expose the northern wall of the Bridewell. When this unit reaches the already exposed area it would be expanded one to two feet (1' - 2') south and east to include the already exposed edges of the cultural strata (i.e. the existing pit feature).
- c. Test to locate the southeast corner of the structure to ascertain one length of the foundation wall of the Bridewell. This information can then be compared to historic information regarding the size of the Bridewell.

Option 2 would require the assistance from the construction crew to build trench shoring as excavation would extend below five feet (5'). However, this work would be independent of the current construction work schedule and therefore would not impact or hinder the construction schedule.

It is estimated that the time to complete the field work portion of the tasks in Option 2 would require approximately 20 business days (4 weeks).

OPTION 3: ADDITIONAL ARTIFACT ANALYSIS – 2010 NORTH FIELD PROJECT:

Understanding the financial constraints of the project, Chrysalis proposes a third option that meets the spirit of the LPC requirement for additional archaeological work based on the preliminary findings of the Manhole #3 Expansion Project.

As opposed to additional field work a recommended option is to utilize funds that would be required for the additional field testing for the existing laboratory analysis and report phase of the 2010 archaeological work. Using the funds could allow the project to reinstate tasks and analyses that had to be eliminated and/or reduced in scope, due to budget constraints.

These funds could be used to restore to the analysis and report to its full potential. Areas to which funding would be restored include: faunal analysis, flotation analysis and additional documentary research.

REFERENCES:

Hunter, Richard and Associates.

1993 Archaeological Sensitivity Study: African Burial Ground and the Commons Historic District – Borough of Manhattan, City of New York, New York – Historic Resource Guide. Report on file – City of New York – Landmarks Preservation Commission. New York, New York.

1994 African Burial Ground and the Commons Historic District. Report on file – City of New York – Landmarks Preservation Commission. New York, New York.

Loorya, Alyssa and Christopher Ricciardi.

2010 City Hall – Archaeological Scope of Work/Monitoring Plan and Unanticipated Discoveries and Human Remains Protocol. Report on file – City of New York – Landmarks Preservation Commission. New York, New York.

Appendix A:
LPC Determination Letter



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



June 3, 2010

ISSUED TO:

John Natoli
DPR
Olmsted Center
Flushing Corona Park
Flushing, NY 11368

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 109297
MISC 10-9303
0 CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 10-8708 on May 13, 2010, for a proposal to prepare the site to restore City Hall. Subsequently, the staff received a request to amend the permit.

The proposed amendment consists of a plan prepared by the Department of Design and Construction titled, "Temporary Power for Press Trailer," showing the location of an electrical conduit south of City Hall which will be approximately 110' long and excavated to a depth of 6 inches. This plan was submitted as a component of the application for the amendment.

With regard to this proposed amendment, the Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 10-8708 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of

approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.



Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL. 212 669-7700 FAX: 212 669-7780



June 4, 2010

ISSUED TO:

John Natoli
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY 11368

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 109384
MISC 10-9358
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 10-8944 on May 21, 2010, for a proposal to archaeologically test an area proposed for excavation related to the proposed restoration of City Hall. Subsequently, the staff received a request to amend the permit.

The proposed amendment is to excavate 7' northward from the existing retaining wall adjacent to the areaway for its entire length on the northeast side of City Hall to further expose the historic wall(s) that has been uncovered this week during archaeological testing. This proposal was submitted by the Department of Design and Construction as a component of the application for the amendment.

With regard to this proposed amendment, the Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 10-8944 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

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approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.



Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



June 15, 2010

ISSUED TO:

John Natoli
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY 11368

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 109746
MISC 10-9651
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 10-8944 on May 21, 2010, for a proposal to archaeologically test an area proposed for excavation related to the proposed restoration of City Hall. Subsequently, the staff received a request to amend the permit.

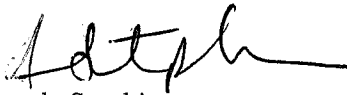
The proposed amendment consists of a request to fully expose a beehive cistern that has been uncovered during the archaeological testing. This request was submitted as a component of the application for the amendment.

With regard to this proposed amendment, the Commission finds that the plan is consistent with the scope of work described in the initial approval; therefore, SRB 10-8944 is hereby amended to incorporate the above-referenced proposal.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this

filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read 'A. Sutphin'.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007
TEL: 212 669-7706 FAX: 212 669-7780



July 7, 2010

ISSUED TO:

John Natoli
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY 11368

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 110391
MISC 11-0424
CITY HALL
HISTORIC DISTRICT
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 10-8708 on May 13, 2010, for a proposal to prepare the site to restore City Hall. Subsequently, the staff received a request to amend the permit.

The proposed amendment consists of a plan prepared by the Department of Design and Construction titled, "Exterior Survey Instrumentation Plan, GE-101," and "AMTS Conceptual Details- GE-202," showing the location of the AMTS foundation to be placed 45' from the northeast corner of City Hall. The excavation will be 5' deep and 3' wide and 3' long. This plan was submitted as a component of the application for the amendment.

With regard to this proposed amendment, the Commission finds that the drawings are consistent with the scope of work described in the initial approval and that the excavation will be archaeologically monitored; therefore, SRB 10-8708 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of

approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read 'A. Sutphin', with a stylized, cursive script.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



BINDING REPORT

ISSUE DATE: 07/12/10	DOCKET #: 110563	SRB #: SRB 11-0498
<u>ADDRESS</u> CITY HALL <u>City Hall</u> AFRICAN BURIAL GROUND	BOROUGH: MANHATTAN	BLOCK/LOT: 122 / 1

To the Mayor, the Council, and the Commissioners of DPR and DDC.

This report is issued pursuant to Sections 3020 and 854 (h) of the New York City Charter and Section 25-318 of the Administrative Code of the City of New York, which require a report from the Landmarks Preservation Commission for certain plans for the construction, reconstruction, alteration, or demolition of any improvement or proposed improvement which is owned by the City or is to be constructed upon property owned by the City and is or is to be located on a landmark site or in a historic district or which contains an interior landmark.

The proposed work consists of: (1) excavating 14'-6" deep, 15'-6" wide, and 18'-6" long for 5 manholes; (2) providing emergency power lines from Tweed Courthouse to City Hall which will require an excavation trench that is approximately 180' long, 7' wide and to a maximum depth of 6'-10"; (3) run new power lines from Broadway to City Hall which will require an excavation trench that is approximately 280' long, 7' wide and to a maximum depth of 6'-10"; and (4) to connect these new lines to City Hall on the northeast side of the building adjacent to archaeological features that were recently uncovered. This work is shown on a plan titled, "Utility Trenching and Monitoring Plan: New York City Hall Park," dated 7/10/10 and prepared by Beyer, Blinder, Belle and is all within The African Burial Ground and The Commons Historic District, as shown in the application submitted to the Commission by the Department of Design and Construction, and docketed as 11-0563, on July 12, 2010.

In reviewing this proposal, the Commission notes that the designation report for the African Burial Ground and the Commons Historic District states that the portion of lower Manhattan within the historic district has undergone intense public use since the mid-seventeenth century, resulting in the overlay of many significant historic improvements and resources--both above ground and below--all of which document the changing nature of the important area long devoted to communal, public, and civic purposes; and that, within the district, the African Burial Ground is historically significant in that it is one of the few preserved eighteenth-century African burial grounds in the Americas, and that it reflects the establishment at an early date of the

society of Africans in New York City, which had one of the largest urban populations of Africans in the American colonies. The report also cites the significance of structures related to the civic use of the Commons. The Commission notes that the location of the proposed work is outside the boundaries of the African Burial Ground, the boundaries of which have been established based on historical documents but may be adjacent to the Almshouse Burial Ground, and foundations related to the Almshouse, the Barracks, and the Bridewell.

With regard to this proposal, the Commission notes that significant archaeological resources have been discovered adjacent to the proposed work and that the applicant will be submitting a plan to the Commission for review and approval which will identify how those resources will be appropriately protected in place; that these features will be further excavated so that their extent and purpose may be better understood; the LPC further notes that archaeological monitoring and testing will be completed as part of the work according to the Landmarks Preservation Commission's "Guidelines for Archaeological Work in New York City," 2002 and the scope of work written by Chrysalis for the overall project; that in the event that intact, or partially intact, human remains are uncovered that a physical anthropologist will be called to the site to further identify what has been found and that if it is determined that they are intact the burial will be protected in place; and that should any significant archaeological resources be encountered that the project will be redesigned so they may be protected in place.

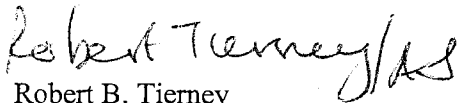
With regard to this proposal, the Commission finds that the proposed work will not require the removal of or damage to any significant above-ground features of the historic districts; that the removal of paving will be temporary in nature; that the new paving will match the surrounding paving to remain in material, color, and detail, and therefore that the new paving will blend unobtrusively with the surrounding street and sidewalk paving.

Based on these findings, the Commission determines the proposed work to be appropriate to The African Burial Ground and The Commons Historic District, and has no objection to the proposed work proceeding. The proposed work, therefore, is approved.

In issuing this report, the Commission stipulates that should human remains, or any potentially significant archaeological resources be encountered during the testing, the Amanda Sutphin (212) 669-7823 should be immediately contacted.

This report is issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original or historic building fabric is discovered. The Commission reserves the right to amend or revoke this permit, upon written notice to the applicant, in the event that the actual building or site conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The work is limited to what is contained in the perforated documents. Other work or amendments to this filing must be reviewed and approved separately. This report constitutes the permit; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read "Robert Tierney" followed by a stylized flourish or initials.

Robert B. Tierney
Chair

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



July 15, 2010

ISSUED TO:

John Natoli
DPR
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY 11368

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 110665
MISC 11-0622
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 10-8708 on May 13, 2010, for a proposal to prepare the site to restore City Hall. Subsequently, the staff received a request to amend the permit.


The proposed amendment consists of a plan prepared by the Department of Design and Construction titled, "Additional Probe," showing the location of a proposed probe located on the center walkway between Tweed Courthouse and City Hall to locate existing utilities. The proposed probe will be 7' x 5' and 5' deep. This plan was submitted as a component of the application for the amendment. The Commission notes that the proposed work area is within the likely disturbance zone created by the existing utility tunnel connecting Tweed Courthouse and City Hall and that in the event that work proceeds outside this disturbance zone, it will be archaeologically monitored.

With regard to this proposed amendment, the Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 10-8708 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

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civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read 'Amanda Sutphin', with a stylized, cursive script.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



July 30, 2010

ISSUED TO:

Joseph Wagner
DCAS
1 Centre St, 16th Fl
New York, NY 10007

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 111128
MISC 11-1038
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-307 of the Administrative Code of the City of New York, the Landmarks Preservation Commission, at the Public Meeting of June 15, 2010, following the Public Hearing of the same date, voted to approve a positive report for alterations at the areaway at the northeastern quadrant of the building, including excavation within the areaway, and the installation of a new metal stair and landing within the areaway and the installation of a new railing at the areaway which was then approved in Binding Staff Report 10-9738. In addition, pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on July 29, 2010.

The proposed amendment consists of the revised utility vault, underpinning and grouting plans to ensure the preservation in place of significant archaeological resources found on the northeast corner of City Hall prepared by Langan Engineering, the drawings are titled, SOE001.00, SOE101.00, SOE102.00, SOE103.00, SOE201.00, SOE202.00, SOE203.00, SOE204.00, and SOE301.00. This plan was submitted as a component of the application for the amendment.

With regard to this proposed amendment, the Commission notes that additional archaeology will be completed to determine if the areas to be excavated contain significant archaeological resources, and if so, that the project will be redesigned to protect them in place and that the archaeology will be completed as outlined in the LPC's Guidelines for Archaeology in New York City, 2002, and in the archaeological scope for the project. In addition, the Commission notes that the actual grout pipe locations will be placed to avoid impacting any archaeological resources which may require some shifting of the locations shown in SOE102.00- the final locations should be verified in the field by a foundation engineer in consultation with LPC. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and

disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read 'A. Sutphin', with a stylized, flowing script.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007
TEL: 212 669-7700 FAX: 212 669-7780



September 7, 2010

ISSUED TO:

John Natoli, PE
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY 11368

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 112328
MISC 11-2207
CITY HALL
HISTORIC DISTRICT
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on September 7, 2010.

The proposed amendment consists of excavating an additional area as shown on an amended plan prepared by Ted Frank of DDC dated September 7, 2010 to determine if the current utility path west of City Hall may be shifted to the east side of the western path to avoid impacting newly discovered archaeological features. This plan was submitted as a component of the application for the amendment.

With regard to this proposed amendment, the Commission notes that the purpose of the excavation is to determine if the proposed utility path may be shifted to avoid impacting archaeological resources. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

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prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read 'A. Sutphin', written in a cursive style.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



September 17, 2010

ISSUED TO:

John Natoli, PE
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY 11368

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 112623
MISC 11-2592
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

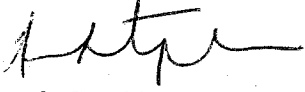
Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on September 17, 2010.

The proposed amendment consists of probing an area northwest of City Hall that is 20' x 35' and 25' deep as shown on the plan prepared by Ted Frank of DDC undated. This plan was submitted as a component of the application for the amendment.

With regard to this proposed amendment, the Commission notes that the purpose of the testing is to determine if a revised plan that is being considered will impact archaeological resources. The Commission further notes that the revision is being done so that other archaeological resources that have been encountered may be avoided. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

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A handwritten signature in black ink, appearing to read 'A. Sutphin', with a long horizontal flourish extending to the right.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



November 3, 2010

ISSUED TO:

John Natoli
Department of Parks and Recreation
Olmsted Center
Flushing Meadows
Corona, NY

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 113775
MISC 11-3835
CITY HALL
HISTORIC DISTRICT
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on October 30, 2010.

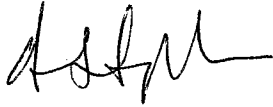
The proposed amendment consists of excavating an additional area measuring 36' L x 16' W x 17' deep by the southwest corner of Tweed Courthouse as shown on the plan prepared by Ted Frank of DDC titled, "SK-1 Revised," dated November 1, 2010. This plan was submitted as a component of the application for the amendment.

With regard to this proposed amendment, the Commission notes that the excavation will be archaeologically monitored as per protocols already established for this larger project. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be

prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read 'A. Sutphin', with a stylized, cursive script.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



November 9, 2010

ISSUED TO:

Joseph Wagner
DCAS
Municipal Bldg, 16th Fl
1 Centre St
New York, NY 10007

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 113527
MISC 11-4078
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-318 of the Administrative Code of the City of New York, the Landmarks Preservation Commission, at the Public Meeting of November 9, 2010 following the Public Hearing of June 15, 2010 voted to approve a proposal to install rooftop mechanical equipment, modify interior and exterior stairs, install fire suppression equipment and excavate an areaway at the northeast corner of the building. A copy of Binding Report, CRB 10-9738 which approved that work is appended.

Subsequently, the Commission received an application to amend the report, and at the Public Meeting of November 9, 2010, the Commission voted to approve the proposed amendment.

The proposed amendment consists of expanding the scope of work to include additional excavation at the northeast corner of the building; the installation of a utility vault on the northeast side of City Hall which will require the removal of significant archaeological features including: an 18th century well, a 19th century drain complex, an early 19th century retaining wall associated with City Hall, and a mid-19th century brick feature. The proposal is shown in boards, elevations, photographs, and drawings labeled "LPC-1-15," all dated November 9, 2010 and prepared by Beyer Blinder Belle and submitted as components of the application.

With regard to this proposed amendment, the Commission noted the City Hall designation report describes City Hall as a Federal style government building designed by Mangin and McComb and built between 1802 and 1811; and that the African Burial Ground and the Commons Historic District designation report states that the portion of lower Manhattan within the historic district has undergone intense public use since the mid-seventeenth century, resulting in the overlay of many significant historic improvements and resources--both above ground and below--all of which document the changing nature of the important area long devoted to communal, public, and civic purposes.

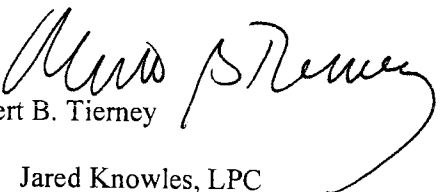
The Commission found that that extensive archaeological testing has been completed in the area which has informed the design of the below grade vault and the identification of the mitigation measures; that the proposed

design for the underground vault has been designed to allow for the protection in place of significant archaeological resources; that other resources will be excavated, removed and curated pursuant to approved archaeological standards; that the mitigation measures proposed, consisting of: (1) installing interpretive signage (2) documentation of features and their deconstruction including 3D imaging and a professional photographer, (3) a permanent exhibit in City Hall showcasing some of the discoveries, and (4) the creation of a website which will outline everything that has been learned about the project and will include educational modules for lesson plans, will allow the public to understand the significance of what has been uncovered; and that the proposed work is consistent with the scope of work described in the initial approval, therefore, CRB 10-9738 is hereby amended to incorporate the above-referenced drawings.

PLEASE NOTE that this Amendment is issued contingent upon the Commission staff's review and approval of the final plans for the interpretive signage, the exhibit, and the web site, and of the documentation, archaeological analysis, and final archaeological report.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.


Robert B. Tierney

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



December 3, 2010

ISSUED TO:

John Natoli, PE
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 114785
MISC 11-4757
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-318 of the Administrative Code of the City of New York, the Landmarks Preservation Commission, at the Public Meeting of November 9, 2010 following the Public Hearing of June 15, 2010 voted to approve a proposal to install rooftop mechanical equipment, modify interior and exterior stairs, install fire suppression equipment and excavate an areaway at the northeast corner of the building. Subsequently, the Commission received an application to amend the report, and at the Public Meeting of November 9, 2010, the Commission voted to approve the proposed amendment. Subsequently, on December 3, 2010 the Commission received a further request to amend the proposed amendment.

The Commissioners at the November 9, 2010 Meeting approved the removal of significant archaeological features including: a 19th century drain complex, an early 19th century retaining wall associated with City Hall, and a mid-19th century brick feature. The Department of Design and Construction is now proposing to remove an additional 4' of the 19th century retaining wall, the northern wall of the mid-19th century brick structure, and another segment of the 19th century drain as shown on "Area for Additional Archaeological Removals," prepared by Fred Weiss of Rockmore Contracting for the Department of Design and Construction and dated December 3, 2010.

With regard to this proposed amendment, the Commission notes that the deconstruction of the northern wall of the mid-19th century feature and the drain will be completed by the project archaeologists who will also archaeologically test under these features as appropriate and that the archaeologists will monitor the deconstruction of the rubble wall. In addition, the Commission notes that measures will be developed to protect the beehive cistern and the feature identified as the "kitchen" from the current construction as the proposed work is now directly adjacent to them. These measures should be reviewed by the project archaeologists. Finally, the Commission notes that the Department of Design and Construction has identified appropriate mitigation measures that were reviewed and approved by the Commission at the November 9, 2010 Public Meeting.

The proposed work is consistent with the scope of work described in the initial approval therefore, CRB 10-9738

is hereby amended to incorporate the above-referenced drawings.

PLEASE NOTE that this Amendment is issued contingent upon the Commission staff's review and approval of the final plans for the interpretive signage, the exhibit, and the web site, and of the documentation, archaeological analysis, and final archaeological report.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.



Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7730



December 3, 2010

ISSUED TO:

John Natoli, PE
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 114723
MISC 11-4730
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on December 2, 2010.

The proposed amendment consists of measures needed to improve the soil beneath existing underground structures in preparation for the microtunneling project. This includes: injecting grouting through pipes adjacent to an existing utility tunnel that begins by the north stairs of City Hall as shown on the plan prepared by DDC titled, "SOE104 Grouting Plan for Microtunneling," dated December 1, 2010 and injecting grouting through pipes adjacent to the property line box on Broadway to the west of City Hall as shown on the plan prepared by DDC titled, "SOE105 Grouting Plan for Microtunneling," dated December 1, 2010. These plans were submitted as a component of the application for the amendment. The grout pipes have a 2" diameter and the furthest distance laterally from the face of the utility structures to the injection pipe is 4 feet.

With regard to this proposed amendment, the Commission notes that the work is within previously disturbed soils and so the likelihood of impacting any archaeological resources is small. The Commission further notes that the project has a contingency plan for the unexpected discovery of any archaeological features which will be enacted in the unlikely event that something is found during this work. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawings.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

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A handwritten signature in black ink, appearing to read 'A. Sutphin', with a long horizontal flourish extending to the right.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780

also 11-4319 + 11-2077



December 14, 2010

ISSUED TO:

John Natoli, PE
DPR
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 115030
MISC 11-5029
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on December 14, 2010.

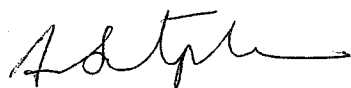
The proposed amendment consists of measures needed to improve the soil beneath existing underground structures in preparation for the microtunneling project. This includes excavating an area 3' out and 3' deep adjacent to the existing property line box and associated structures on Broadway east of City Hall as shown on a plan titled, "SOE 105 Detail Sketch Grouting at Property Line Box," dated December 14, 2010 and prepared by Sal Cali of the Department of Design and Construction.

With regard to this proposed amendment, the Commission notes that the work will be archaeologically monitored and finds that the drawing is consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be

prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read 'A. Sutphin', with a long horizontal stroke extending to the right.

Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



March 30, 2011

ISSUED TO:

John Natoli
DPR
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 117915
MISC 11-8196
CITY HALL
HISTORIC DISTRICT
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on March 29, 2011.

The proposed amendment consists of excavating an additional area measuring 8' x 7' x 23' deep by the southwest corner of Manhole #3 which is to the northwest of City Hall as shown on the plan prepared by Louise Levi of DDC titled, "MH#3 Jacking Layout," undated. This plan was submitted as a component of the application for the amendment.

With regard to this proposed amendment, the Commission notes that the excavation will be archaeologically monitored as per protocols already established for this larger project; that if any significant features are uncovered LPC will be immediately contacted about how to proceed; that any artifacts that may be found will be cleaned; and that the analysis and reporting of whatever may be found in this area will be incorporated into the broader archaeology report for the entire project. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this

filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.



Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007
TEL: 212 669-7700 FAX: 212 669-7780



April 6, 2011

ISSUED TO:

John Natoli, PE
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 118105
MISC 11-8408
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on April 6, 2011.

The proposed amendment consists of extending a trench that is now being excavated that was approved on March 29, 2011, 2' northward to further expose an archaeological feature that has been uncovered. The extension is by the southwest corner of Manhole #3 which is to the northwest of City Hall as shown on the plan prepared by Louise Levi of DDC titled, "MH#3 Jacking Layout," undated.

With regard to this proposed amendment, the Commission notes that the purpose of the additional excavation will be to uncover more information about the archaeological resource that has been found; that any artifacts that may be found will be cleaned; and that the analysis and reporting of whatever may be found in this area will be incorporated into the broader archaeology report for the entire project. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or

maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.



Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007
TEL: 212 669-7700 FAX: 212 669-7780



BINDING REPORT

ISSUE DATE: 04/14/11	DOCKET #: 118219	SRB #: SRB 11-8607
ADDRESS CITY HALL City Hall Park AFRICAN BURIAL GROUND	BOROUGH: MANHATTAN	BLOCK/LOT: 122 / 1

To the Mayor, the Council, and the Commissioner, Dept. of Parks and Recreation.

This report is issued pursuant to Sections 3020 and 854 (h) of the New York City Charter and Section 25-318 of the Administrative Code of the City of New York, which require a report from the Landmarks Preservation Commission for certain plans for the construction, reconstruction, alteration, or demolition of any improvement or proposed improvement which is owned by the City or is to be constructed upon property owned by the City and is or is to be located on a landmark site or in a historic district or which contains an interior landmark.

The Landmarks Preservation Commission has reviewed a proposal for the temporary installation of twenty-five (25) large-scale aluminum, wood and steel sculptures situated around Tweed Courthouse, City Hall and within City Hall Park; and the installation of two (2) sculptures within the lobby of City Hall, a designated Interior Landmark. The sculptures are associated with the exhibition titled "Sol LeWitt Structures, 1965-2006," to be installed beginning March 25, 2011, and removed by December 9, 2011, and will require excavation varying in depth from 6-20 inches. The proposal was shown in photomontages, site plan, and catalog of the artworks prepared by the Public Art Fund, and a written statement dated April 13, 2011, prepared by Jennifer Lantzas of the Department of Parks and Recreation.

In reviewing this proposal, the Commission notes that the African Burial Ground and the Commons Historic District designation report states that the portion of lower Manhattan within the historic district has undergone intense public use since the mid-seventeenth century, resulting in the overlay of many significant historic improvements and resources--both above ground and below--all of which document the changing nature of the important area long devoted to communal, public, and civic purposes; and that, within the district, the African Burial Ground is historically significant in that it is one of the few preserved eighteenth-century African burial grounds in the Americas, and that it reflects the establishment at an early date of the society of Africans in New York City, which had one of the largest urban populations of Africans in the American colonies. The report also cites the significance of structures related to the civic use of the

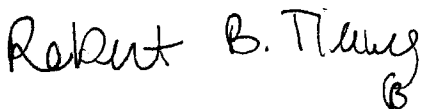
Commons. The Commission notes that the location of the work is within the boundaries of the Commons and is within an area known to be highly archaeologically sensitive.

With regard to this proposal, the Commission finds in accordance with the Rules of the City of New York, Title 63, Section 2-18, that the "temporary installation" is defined as an installation for one (1) calendar year or less; that the installations will cause no damage to significant protected architectural features of the property; and that an acceptable plan and time schedule for the dismantling of the property has been submitted to the Commission as a component of the application. In the case of artwork, the applicant has submitted a written instrument signed by the artist and the building owner that evidences the owner's authority to remove the artwork when the temporary installation permit expires and that waives any protection under applicable federal or state law afforded to the artist or artwork that would prevent such removal at the expiration of the temporary permit, including but not limited to, the Visual Artists Rights Act of 1990, 17 U.S.C. 101 et seq. and Article 14 of the New York State Law on Arts and Cultural Affairs. The Commission further finds that as the proposed work will be limited to the disturbance of only previously excavated areas there is low probability of encountering intact archaeological deposits, features, or human burials in the proposed work area. Based on these findings, the Commission determines the proposed work to be appropriate to City Hall Interior Landmark, City Hall Park, and the African Burial Ground and the Commons Historic District, and has no objection to the proposed work proceeding.

In issuing this report, the Commission stipulates that should artifacts, human remains, or other cultural material be encountered during the course of work, work should stop immediately pending Commission notification and review. If artifacts or other cultural material are encountered, contact Amanda Sutphin (212) 669-7823.

This report is issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original or historic building fabric is discovered. The Commission reserves the right to amend or revoke this permit, upon written notice to the applicant, in the event that the actual building or site conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The work is limited to what is contained in the perforated documents. Other work or amendments to this filing must be reviewed and approved separately. This report constitutes the permit; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Carly Bond.



Robert B. Tierney
Chair

cc: Richard Griggs, Public Art Fund; Amanda Sutphin, Director of
Archaeology/LPC; Jared Knowles, Deputy Director/Preservation



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007
TEL: 212 669-7700 FAX: 212 669-7780



ISSUED TO:

Joseph Wagner
DCAS
Municipal Building
1 Centre St
New York, NY 10007

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 118476
MISC 11-8698
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-318 of the Administrative Code of the City of New York, the Landmarks Preservation Commission, at the Public Meeting of April 19, 2011 following the Public Hearing of June 15, 2010 voted to approve a proposal to install rooftop mechanical equipment, modify interior and exterior stairs, install fire suppression equipment and excavate an areaway at the northeast corner of the building. A copy of Binding Report, CRB 10-9738 which approved that work is appended. In addition, on November 9, 2010, the Commission voted to approve a proposal to install a utility vault at the northeast corner of the building which required the removal of significant archaeological features. A copy of Miscellaneous/Amendment, MISC 11-4078 is appended.

Subsequently, the Commission received an application to amend the report, and at the Public Meeting of April 19, 2011, the Commission voted to approve the proposed amendment.

The proposed amendment consists of expanding the scope of work to include additional excavation to the northwest of the building to enlarge an existing manhole which will require the partial removal of a significant stone and mortar archaeological feature which may be a segment of the Bridewell, a prison from 1775-1838. The proposal is shown in boards, elevations, photographs, and drawings labeled "LPC-1-8," all dated April 19, 2011 and prepared by Beyer Blinder Belle and submitted as components of the application.

With regard to this proposed amendment, the Commission noted the City Hall designation report describes City Hall as a Federal style government building designed by Mangin and McComb and built between 1802 and 1811; and that the African Burial Ground and the Commons Historic District designation report states that the portion of lower Manhattan within the historic district has undergone intense public use since the mid-seventeenth century, resulting in the overlay of many significant historic improvements and resources--both above ground and below--all of which document the changing nature of the important area long devoted to communal, public, and civic purposes.

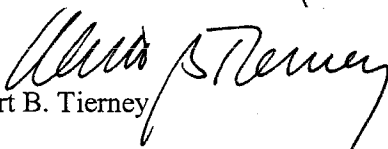
The Commission found the proposed design for the manhole extension has been designed to allow for the

protection in place of significant archaeological resources; that additional archaeological testing will be undertaken to further define this discovery; that a portion of one significant archaeological feature will be excavated, removed and curated pursuant to approved archaeological standards; and that the mitigation measures that were approved by the Commission at the Public Meeting of November 9, 2010 consisting of: (1) installing interpretive signage, (2) documentation of features and their deconstruction including 3D imaging and a professional photographer, (3) a permanent exhibit in City Hall showcasing some of the discoveries, and (4) the creation of a website, will also be applied to this archaeological feature; and that the proposed work is consistent with the scope of work described in the initial approval, therefore, CRB 10-9738 is hereby amended to incorporate the above-referenced drawings

PLEASE NOTE that this Amendment is issued contingent upon the Commission staff's review and approval of the final plans for the interpretive signage, the exhibit, and the web site, and of the documentation, archaeological analysis, and final archaeological report.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

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Robert B. Tierney

cc: Amanda Sutphin, LPC; Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007
TEL: 212 669-7700 FAX: 212 669-7780



April 15, 2011

ISSUED TO:

John Natoli, PE
DPR
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 118474
MISC 11-8642
CITY HALL
HISTORIC DISTRICT
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on April 15, 2011.

The proposed amendment consists of extending a trench that is now being excavated that was approved on March 29, 2011, 4' westward to further expose an archaeological feature that has been uncovered. The extension is by the southwest corner of Manhole #3 which is to the northwest of City Hall as shown on the plan prepared by Louise Levi of DDC titled, "MH#3 Jacking Layout," undated.

With regard to this proposed amendment, the Commission notes that the purpose of the additional excavation will be to uncover more information about the archaeological resource that has been found; that any artifacts that may be found will be cleaned; and that the analysis and reporting of whatever may be found in this area will be incorporated into the broader archaeology report for the entire project. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of

approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.



Amanda Sutphin

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007
TEL: 212 669-7700 FAX: 212 659-7780



May 12, 2011

ISSUED TO:

John Natoli
Department of Parks and Recreation
Olmsted Center
Flushing Meadows-Corona Park
Flushing, NY

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 119355
MISC 11-9928
CITY HALL
HISTORIC DISTRICT
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. Subsequently, the staff received a request to amend the permit on May 11, 2011.

The proposed amendment consists of excavating a utility trench from the existing tunnel that connects City Hall with the Tweed Courthouse to the new electrical vault that is on the northeast corner of City Hall. The proposed trench will be no more than 4' wide and 3' deep. All as shown on the plan prepared by Louise Levi of DDC.

With regard to this proposed amendment, the Commission notes that if the excavation will extend into soils beneath the existing gravel and concrete it will be archaeologically monitored as per protocols already established for this larger project; that if any significant features are uncovered LPC will be immediately contacted about how to proceed; that any artifacts that may be found will be cleaned; and that the analysis and reporting of whatever may be found in this area will be incorporated into the broader archaeology report for the entire project. The Commission notes that the excavation of soils above the existing tunnel do not need to be archaeologically monitored. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of

approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.

A handwritten signature in black ink, appearing to read 'A. Sutphin', with a long horizontal flourish extending to the right.

Amanda Sutphin

cc:



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007
TEL: 212 669-7700 FAX: 212 669-7780



September 19, 2011

ISSUED TO:

Joseph Wagner
DCAS
Municipal Building, 16th Fl
New York, NY 10007

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 124452
MISC 12-4788
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. In addition, the Commission voted to approve an application for the installation of a fuel cell on June 21, 2011 in this same area. Subsequently, the staff received a request to amend the permit on September 16, 2011.

The proposed amendment consists of excavating a gas line from Park Row to the areaway of City Hall on the eastern side of the building and then the line will run north to the fuel cell which will be placed northeast of City Hall after the Commission Binding Report is issued. The proposed trench will be 2' wide and 3' deep as shown on the plan prepared by Louise Levi of DDC titled, "6" Gas Main Preliminary Layout," undated. Additional trenching that is 4' long, 4' wide and a maximum of 7' deep will be excavated so the line may cross into the areaway on the east side of City Hall.

With regard to this proposed amendment, the Commission notes that the excavation will be archaeologically monitored and that the archaeological protocols that have been established for this project will be adhered to including that if significant archaeological resources are discovered, as determined by the Commission staff, the gasline will be shifted to avoid impacting them. The Commission further notes that the path of the gas line has been shifted south to avoid impacting an historic cistern that was discovered in 1999. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



December 21, 2012

ISSUED TO:

Joseph Wagner
DCAS
Municipal Building, 16th Fl
New York, NY 10007

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 139350
MISC 13-9242
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Binding Report, SRB 11-0498 on July 12, 2010, for a proposal titled, "Utility Trenching and Monitoring Plan," to install utilities from Broadway and the Tweed Courthouse to the northeast corner of City Hall. In addition, the Commission voted to approve an application for the installation of a fuel cell on June 21, 2011. Subsequently, the staff received a request to amend the permit on December 21, 2012.

The proposed amendment consists of excavating a gas line from Park Row to the eastern side of City Hall and then the line will run north to the fuel cell which will be placed northeast of City Hall as approved by the Commission Binding Report. The proposed trench will be 2' wide and 3' deep as shown on the plan prepared by DCAS titled, "Civil Site Gas Layout Plan C400" dated April 23, 2012 and submitted as part of this request.

With regard to this proposed amendment, the Commission notes that the excavation will be archaeologically monitored and that the archaeological protocols that have been established for this project will be adhered to including that if significant archaeological resources are discovered, as determined by the Commission staff, the gas line will be shifted to avoid impacting them. The Commission further notes that the path of the gas line has been shifted to avoid impacting an historic cistern that was discovered in 1999. The Commission finds that the drawings are consistent with the scope of work described in the initial approval; therefore, SRB 11-0498 is hereby amended to incorporate the above-referenced drawing.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or

maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.



Amanda Sutphin

cc: Jared Knowles, LPC

City Hall Park
2010-2011 Excavation Report

Appendix B:

Archaeological Training for Construction Personnel

CITY HALL ARCHAEOLOGICAL SENSITIVITY TRAINING



CITY HALL

- Built from 1803 – 1811
- Located in City Hall Park
- Part of the landmarked African Burial Ground and The Commons Historic District
- Several cultural and archaeological resources have been identified throughout City Hall Park

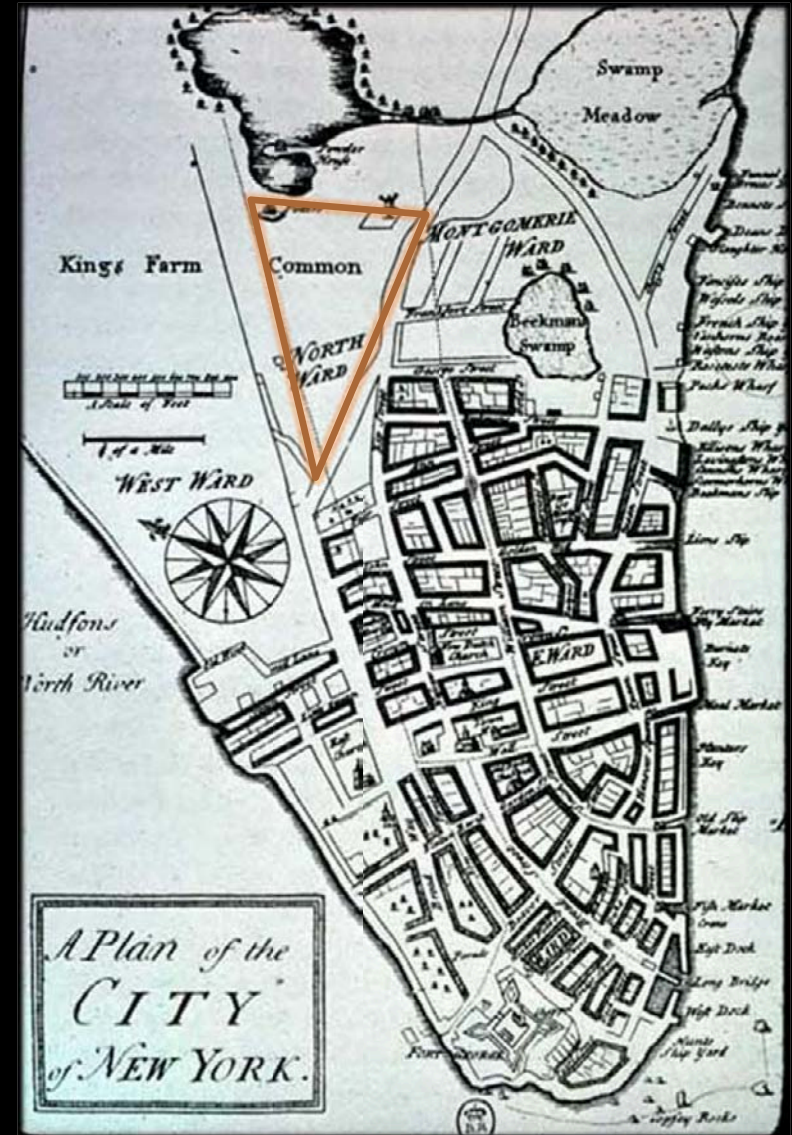


THE PURPOSE OF ARCHAEOLOGICAL SENSITIVITY TRAINING IS:

- To facilitate the identification of archaeological resources within City Hall Park during the renovation project
- Increase awareness among the project partners and employees and contractors concerning the importance of cultural resource related responsibilities and the project's commitments to the preservation and protection of cultural resources.

CITY HALL PARK HISTORY

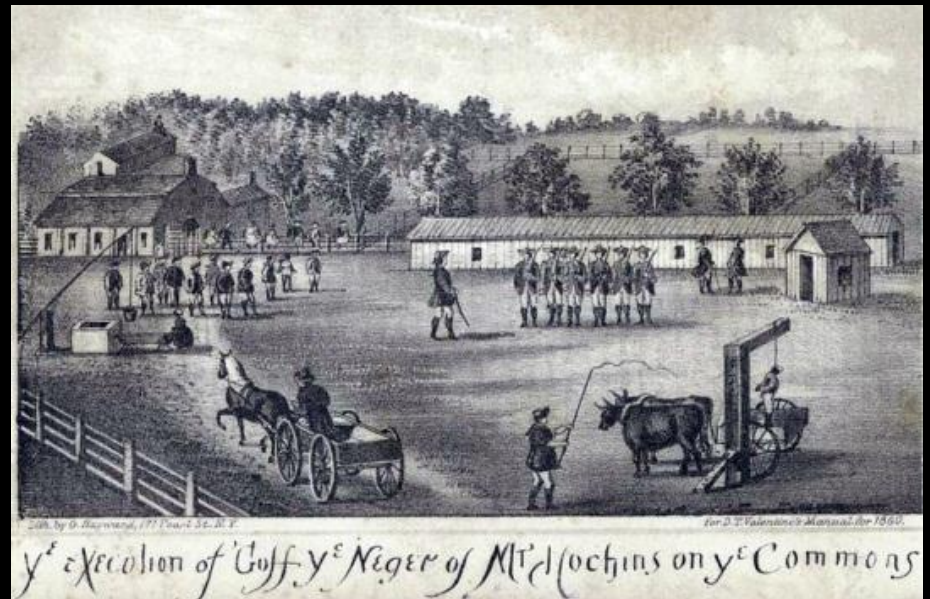
- Formerly known as The Common(s), a triangular plot of land bounded by modern day Broadway, Park Row and Centre Street, and Chambers Street.
- Early colonial use of the Commons, was as communal pasture, a Dutch tradition.
- Its location at the edge of the City made it an appropriate location for those groups considered “undesirable”.
- The first known governmental use of the Commons dates to an execution in 1691.



The Commons Area Is One The Most Important Historical Sites in NYC

The Commons were used as a public gathering space, either for celebration or demonstration. Opponents of British policies rallied at the Commons, and from 1766-1770. British soldiers cut down four of the five Liberty Poles erected by the “Sons of Liberty”.

- 1735 - The first Almshouse is built
- 1740s - The military begin using the Commons as a parade ground.
- 1757 - The Upper Barracks and New Gaol are constructed on the grounds.



ARCHAEOLOGY @ CITY HALL PARK

In 1999, approximately 400,000 archaeological remains were uncovered during construction providing new information about the 18th Century in New



ARCHAEOLOGISTS FOUND:

- Portions of Colonial and Revolutionary War Soldiers' Barracks.
- Artifacts associated with the Almshouse, which housed the ill and impoverished;
- Artifacts associated with the Bridewell and the New Gaol two prisons located on site.
- Human Remains

City Hall Park is one of the most important archaeological sites in New York City.

THE ALMSHOUSE

The primary function of the almshouse was to house the poor, the infirm and the impoverished. This included widows and orphans.

The Almshouse provided shelter and food but was also a workhouse designed to ensure that those who entered would acquire skills and knowledge to enable them to gain employment. A portion of the almshouse also served as an infirmary to treat the diseased poor.

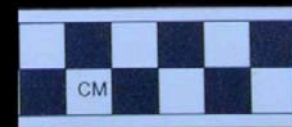
The First Almshouse (Poorhouse)

- Constructed in 1735.
- One of the first welfare and punitive institutions in the City.
- Demolished in 1797 for the construction of City Hall.

The Second Almshouse

- Constructed in 1796 in response to the destruction of the First Almshouse.
- Functioned as the first did, housing the poor until 1816 when the residents were moved further north in the City.
- In 1831 the second Almshouse was designated as part of City Hall. It was used for courts and public offices until it was destroyed by fire in 1854.

ALMSHOUSE ARTIFACTS



THE NEW GAOL (DEBTOR'S PRISON)

- Built in 1759 in response to the city's growing crime problem.
- Three story masonry building, located in the northeast of the Common.
- Originally intended to house convicted criminals, but served multiple functions throughout its history.
- Used debtors and prisoners of war during the French and Indian War.
- Located next to the almshouse
- Overcrowding of the Gaol led to the construction of the Bridewell in 1773
- During the Revolutionary War, the New Gaol was crowded with American prisoners.
- The Gaol continued to house prisoners until 1824.

THE BRIDEWELL

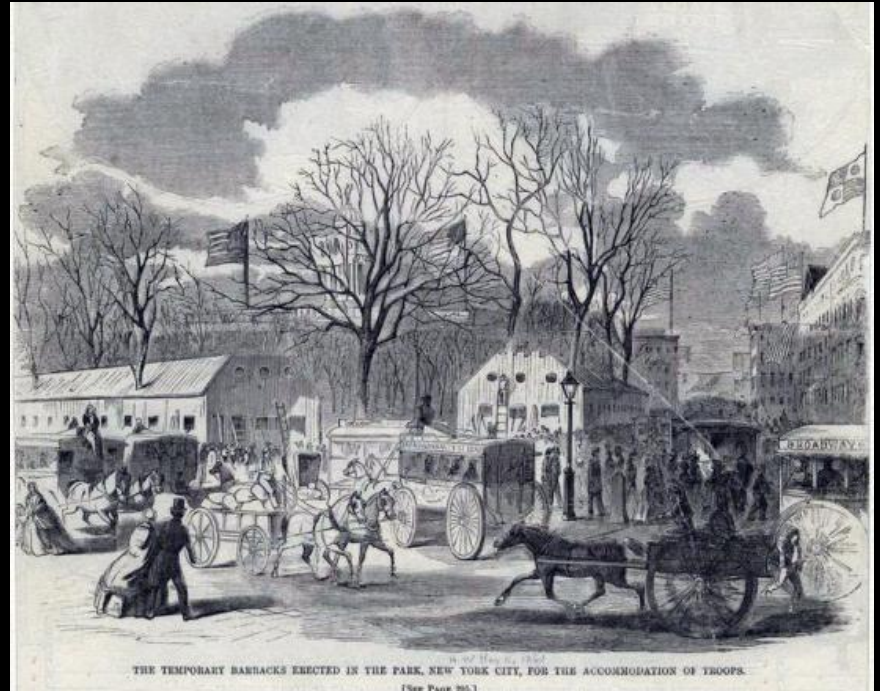
- Constructed in 1775.
- The Bridewell was meant to be a debtor's prison and workhouse.
- During the Revolution the British used the building as a prison for American Prisoner's of War.
- During the War of 1812, the occupying British again used the jail as a place to house POW's.
- After the War of 1812 that the Bridewell returned to it original intention as a general City jail.
- During the Revolution, American prisoners-of-war were housed in the Gaol and Bridewell (both prisons).



BRITISH BARRACKS

The British soldier's barracks are still a mystery. Were its residents Officers, Enlisted Men or Hessian Mercenaries?

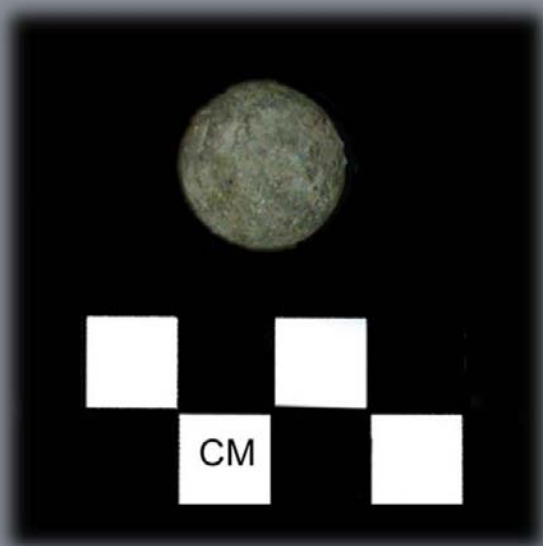
- British soldiers arrived to New York City in large numbers starting in 1756.
- Their original camps filled quickly and many soldiers were billeted in private homes. This soon became unacceptable to the homeowners.
- The Common Council of New York City approved the construction of barracks on the Common.
- Several barracks buildings were located on the site
- The British occupied New York until 1783 and again during the War of 1812.



BARRACKS ARTIFACTS



BARRACKS ARTIFACTS



WHAT ARCHAEOLOGISTS LOOK FOR...

BUILDING FOUNDATIONS & OTHER STRUCTURES



WHAT ARCHAEOLOGISTS LOOK FOR - POTTERY



WHAT ARCHAEOLOGISTS LOOK FOR – SMOKING PIPES



WHAT ARCHAEOLOGISTS LOOK FOR – HARDWARE, BUCKLES



WHAT ARCHAEOLOGISTS LOOK FOR – BUTTONS & COINS



WHAT ARCHAEOLOGISTS LOOK FOR – BUTTON BLANKS

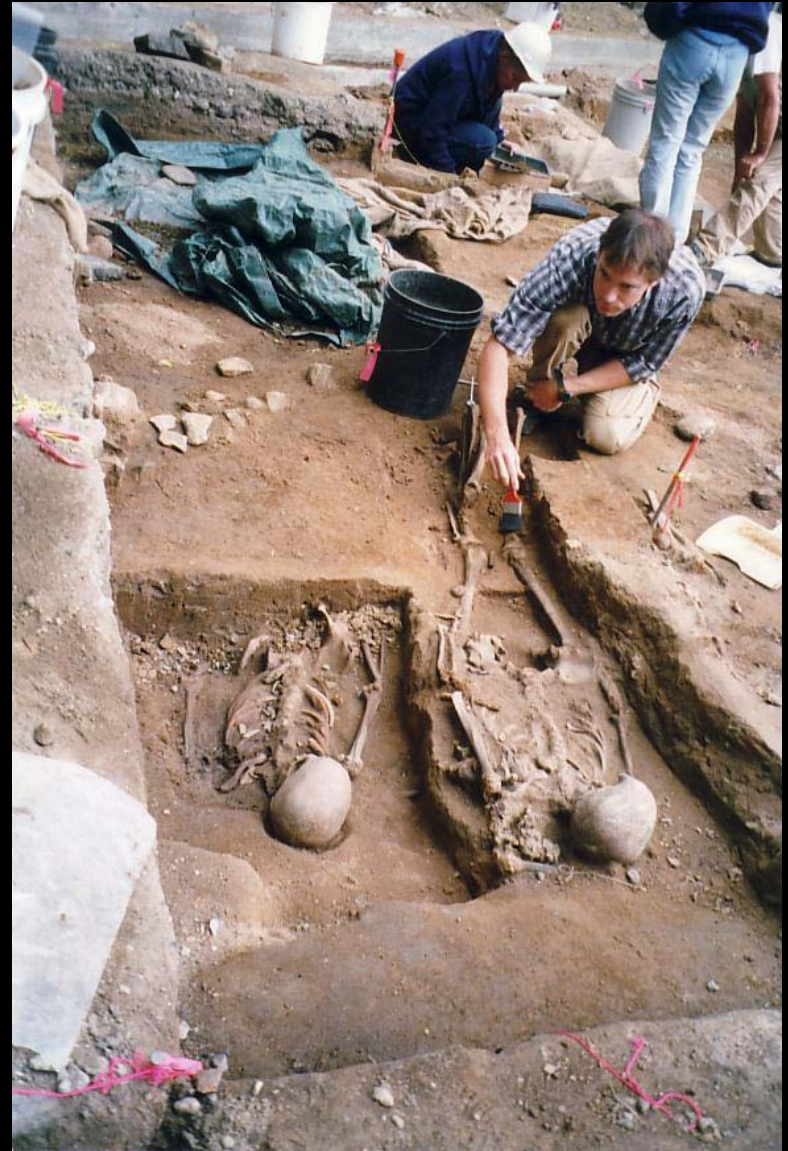


WHAT ARCHAEOLOGISTS LOOK FOR - BOTTLES



HUMAN REMAINS

- A cemetery once existed within the boundary of today's City Hall Park.
- Dozens of burials have been uncovered throughout the area.
- These were the remains of Almshouse residents and American POW's are believed to have been buried on site as well.
- Many were located **less than 1 foot** below the surface.



YOUR RESPONSIBILITIES

This project is unlike other construction projects you have worked on.

- All excavation must be done with care
- Keep an eye out for cultural resources ... artifacts, building foundations or human remains.
- It is your responsibility to follow archaeological procedures and protocol including the Unanticipated Discoveries Plan
- An 'unanticipated discovery' is an archaeological or cultural resource (e.g. a building foundation, pottery, nails, or human remains) that were not previously known.

PROTOCOLS

- **An archaeologist will always be on site while you are excavating**
- If you uncover any archaeological resource ... all digging must stop in that area.
- Immediately alert the archaeologist.
- The archaeologist will make an assessment of the discovery. This may require the archaeologist to enter the excavation pit/trench.
- Work CAN NOT continue until after the archaeologist gives the go ahead.

ARCHAEOLOGICAL RESOURCE DISCOVERY COMMUNICATIONS PROTOCOL

City Hall Park
2010-2011 Excavation Report

Appendix C:

LPC Presentations and Responses

PHOTOGRAPHY

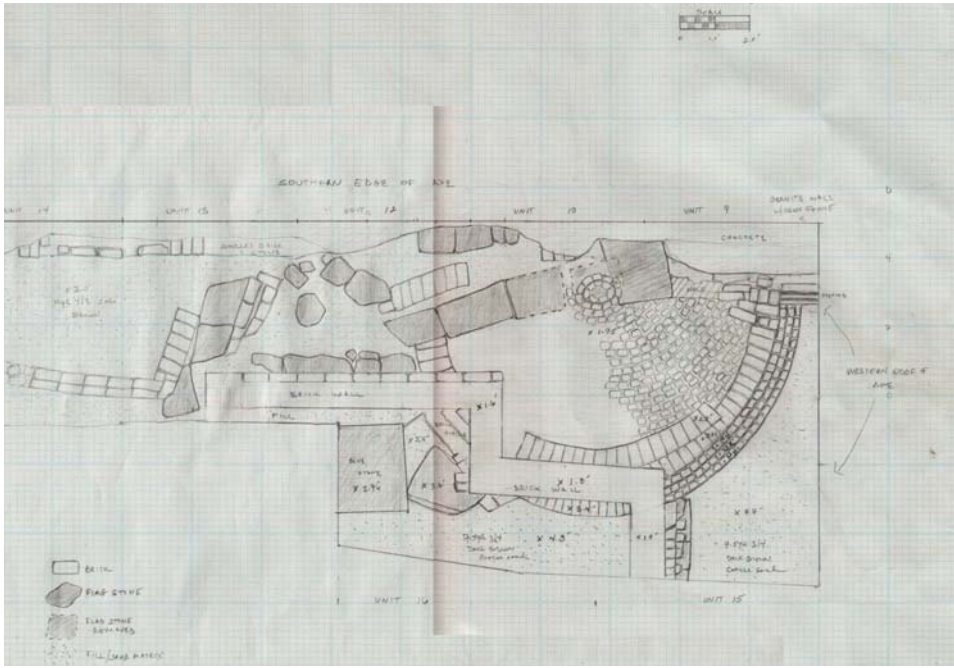
DOCUMENTATION

MITIGATION STRATEGY

- 1. Photography
- 2. Documentation
- 3. Interpretation
- 4. Exhibit



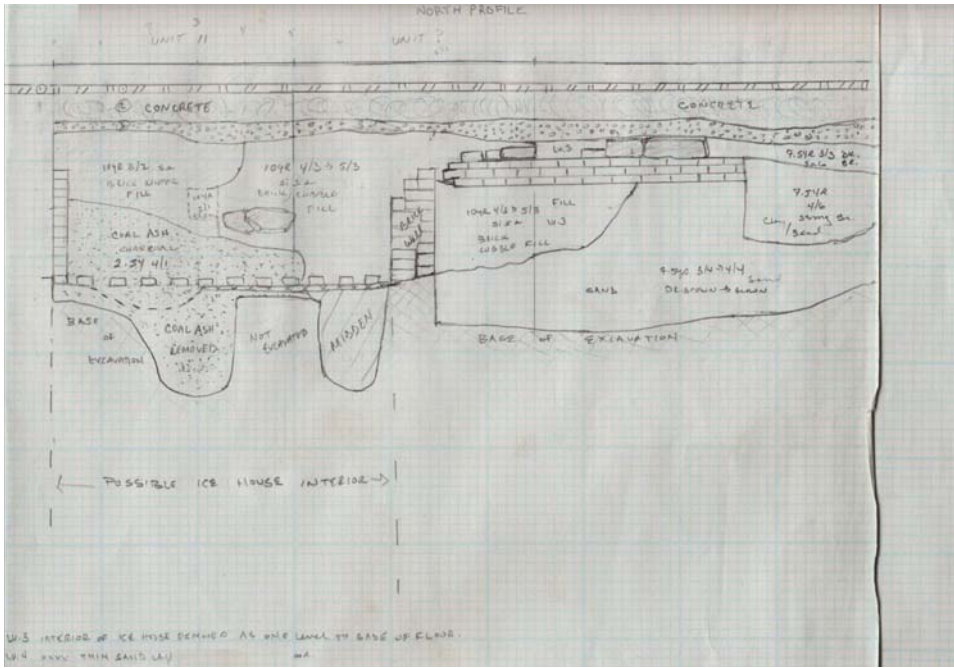
Brick and Fieldstone drainage channel and flagstone path



Plan View Map Section 50' – 76'



Brick domed cistern and outdoor kitchen

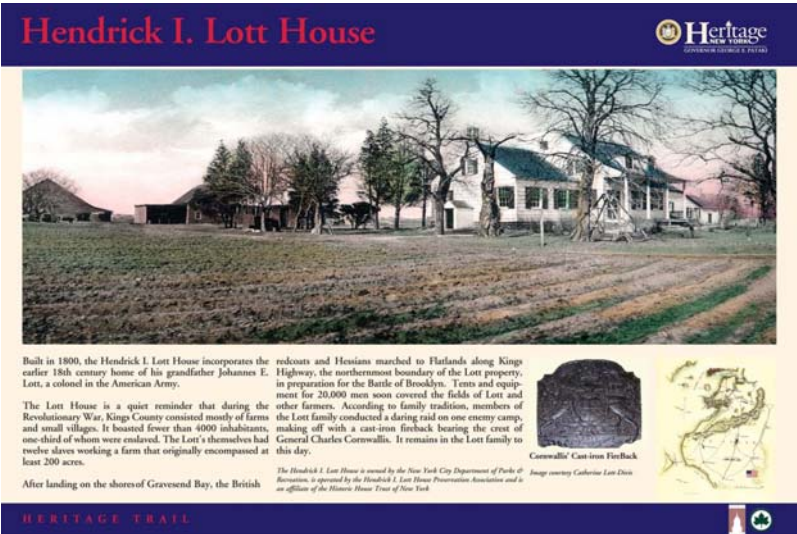


North Profile Schematic Section

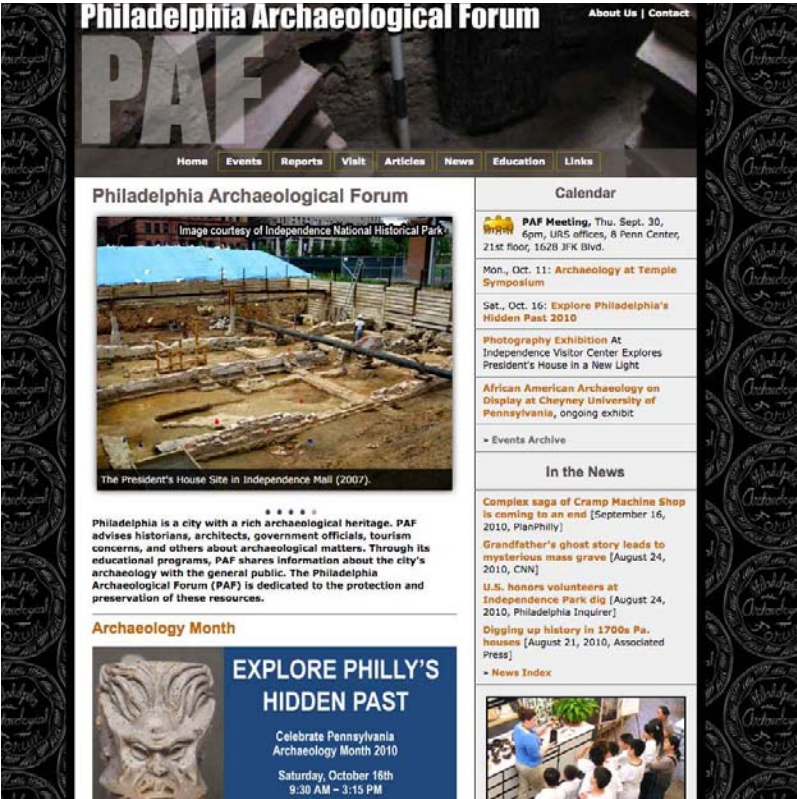
PROFESSIONAL PHOTOGRAPHY OF THE
ARCHAEOLOGICAL FEATURES WILL BE UNDERTAKEN

ARCHAEOLOGICAL REPORT WILL BE GENERATED

INTERPRETATION



Interpretive signage at Lott House, Brooklyn
SITE SPECIFIC SIGNAGE AT NORTHEAST CORNER OF CITY HALL



Website – Philadelphia Archaeological Forum

WEBSITE INFORMATION ON CITY HALL
ARCHAEOLOGICAL FINDINGS



Interpretive signage in Old Québec City



Exposed archaeological feature in Québec City

GLASS 'SIDEWALK WINDOW' TO
EXPOSED CISTERN

EXHIBIT / ARTIFACTS



Nineteenth Century bottle



Ceramic egg cup



Copper, bone, porcelain and shell buttons and bone button blank

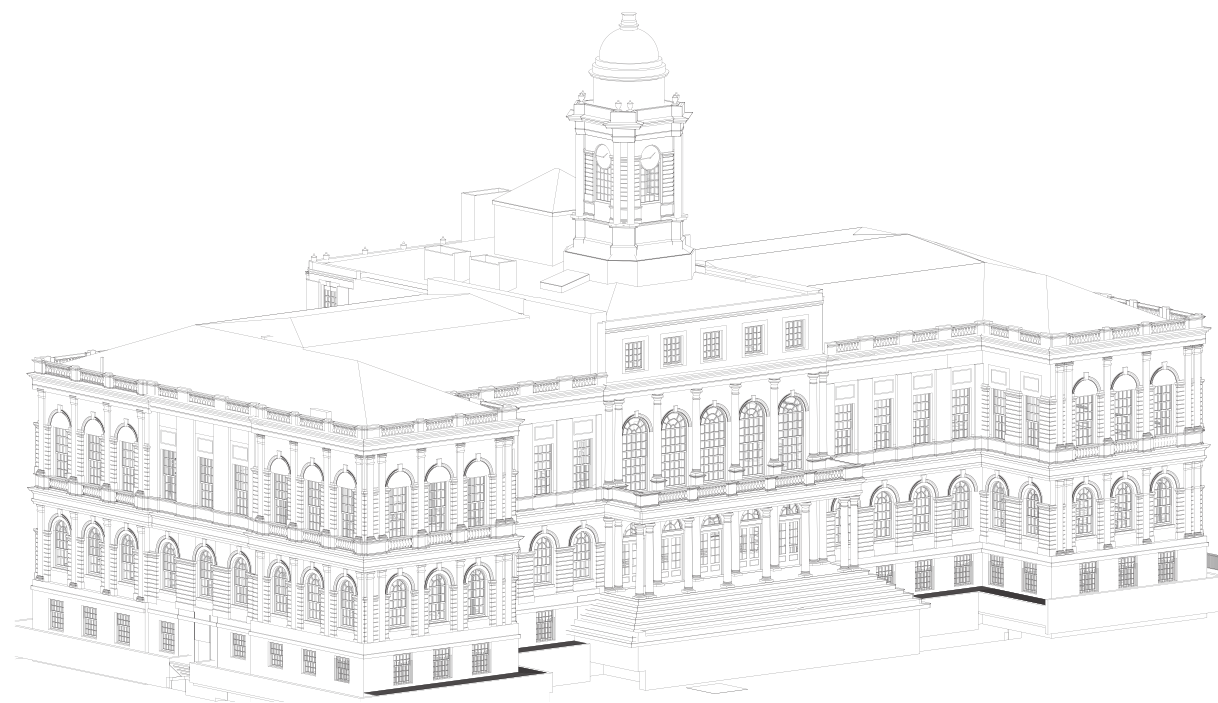


Drinking tumblers



Bakelite button stamped with an 1851 patent date

EXHIBIT OF ARTIFACTS IN CITY HALL. EXISTING CITY HALL PARK
ARCHAEOLOGICAL COLLECTION AT BROOKLYN COLLEGE



Presentation to the New York City Landmarks Preservation Commission

RENOVATION OF CITY HALL

BOROUGH OF MANHATTAN, NEW YORK

ARCHAEOLOGICAL FINDINGS & MITIGATION

MANHOLE #3

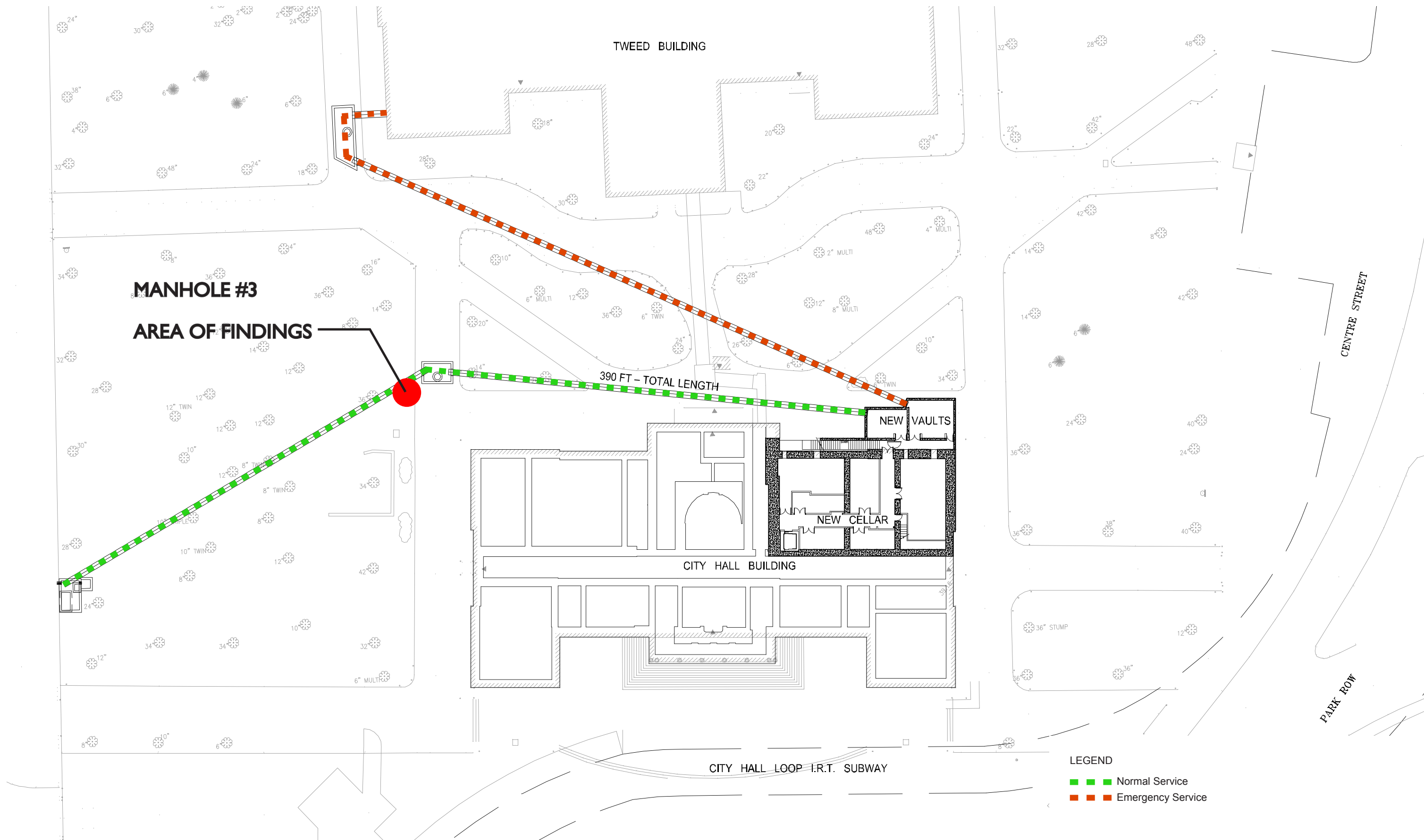


DIVISION OF STRUCTURES
BUREAU OF ARCHITECTURE &
ENGINEERING

Beyer
Blinder
Belle

Architects & Planners LLP

19 APRIL 2011



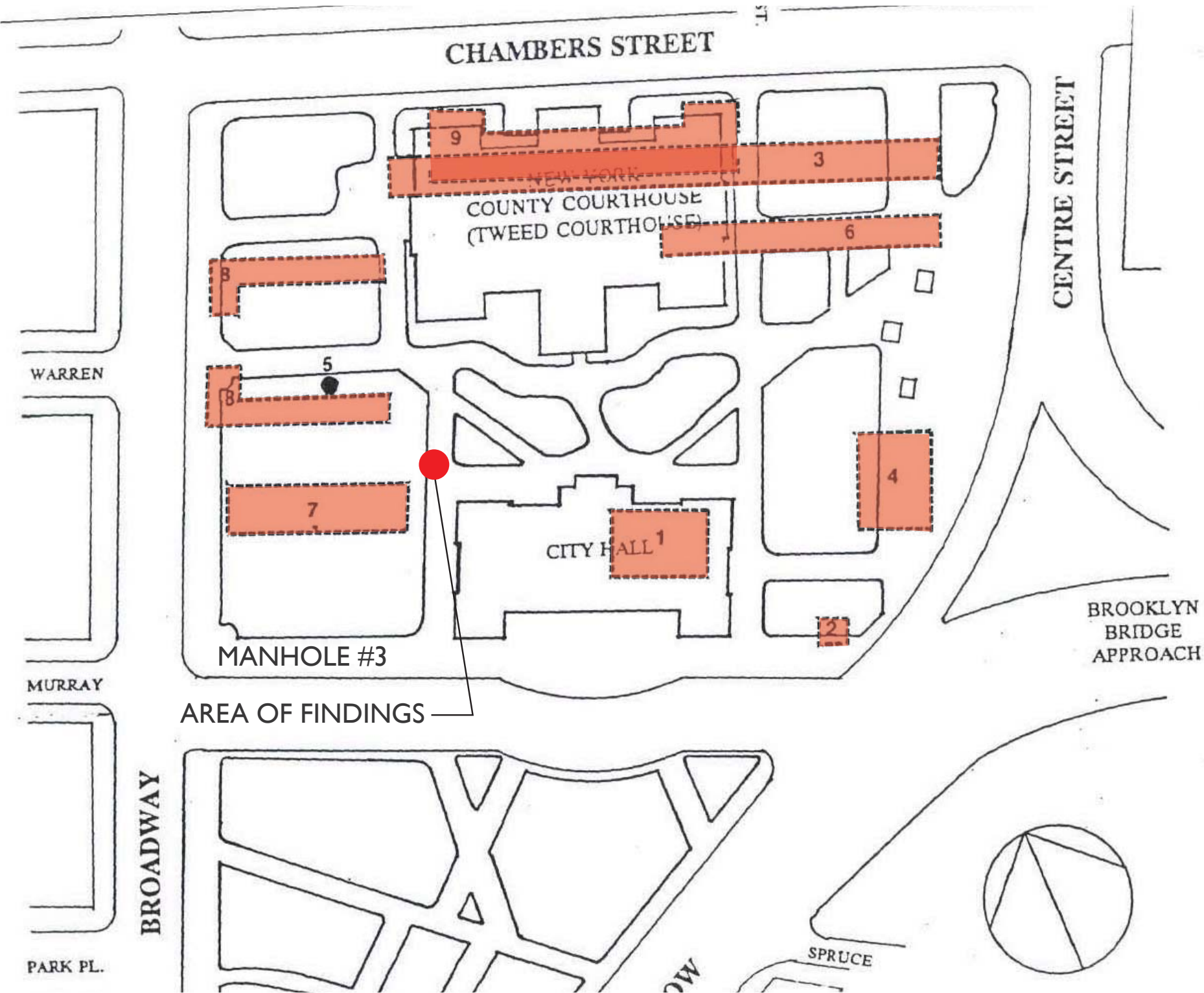
FROM: AFRICAN BURIAL GROUND AND
THE COMMONS HISTORIC DISTRICT
DESIGNATION REPORT

STRUCTURES BUILT IN THE 18TH CENTURY
KEY

- 1 FIRST ALMSHOUSE (1736-1797)
- 2 POWDER MAGAZINE (1747-1789)
- 3 UPPER BARRACKS (1757-1790)
- 4 GAOL [LATER, HALL OF RECORDS] (1757-1903)
- 5 5TH LIBERTY POLE (1770)
- 6 SECOND BARRACKS (c. 1774)
- 7 BRIDEWELL (1775-1838)
- 8 BRITISH BARRACKS (c. 1782)
- 9 SECOND ALMSHOUSE (1797-1857)

NOTE: BUILDING LOCATIONS ARE APPROXIMATE.
TEMPORARY BUILDINGS, OUTBUILDINGS,
GARDENS, FENCES, ETC. NOT SHOWN.

BASED ON HALL'S "A LANDMARK MAP OF CITY HALL PARK"
Figure 18







EXTENSION OF MANHOLE #3



AREA OF EXCAVATION



STEPPED STONE FEATURE



BRICK SHAFT FEATURE

BRICK SHAFT FEATURE

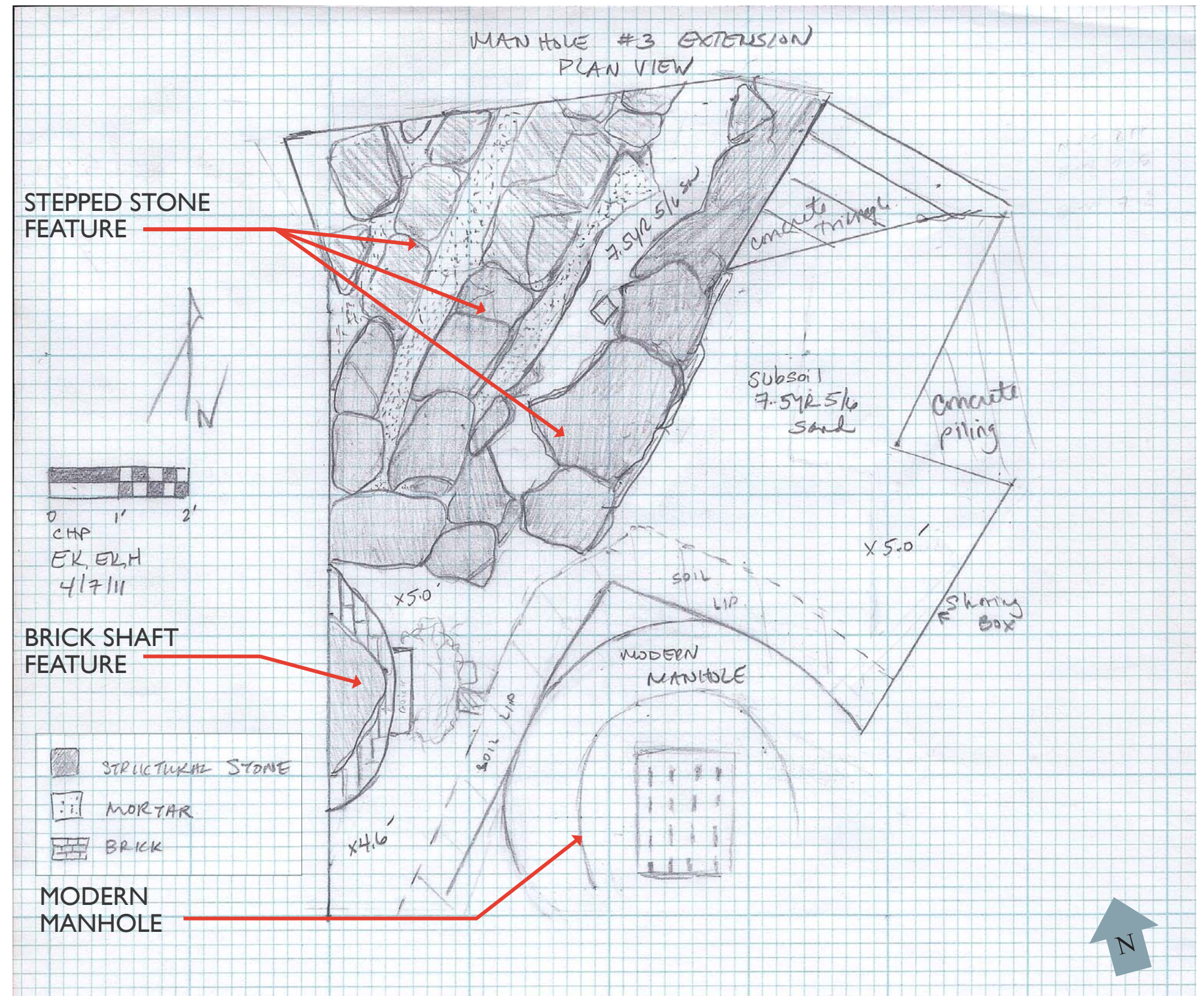
- Southwest corner of excavation
- Brick construction with mortar joints
- Early 19th century brick
- Excavated to 5 feet below grade
- Traditional well would not be set in mortar
- Ceramic drain pipe at 5 feet below grade may be part of a more modern storm drain system

STEPPED STONE FEATURE

- Northwest corner of excavation
- Stepped construction rises east to west
- Stones set in mortar
- Lowest step with dressed front (east) face and irregular back face
- Upper steps more uniform
- Predates brick shaft feature

BRIDEWELL

- Constructed in general vicinity of excavation
- Erected in 1775; demolished in 1838
- Dates consistent with several artifacts uncovered

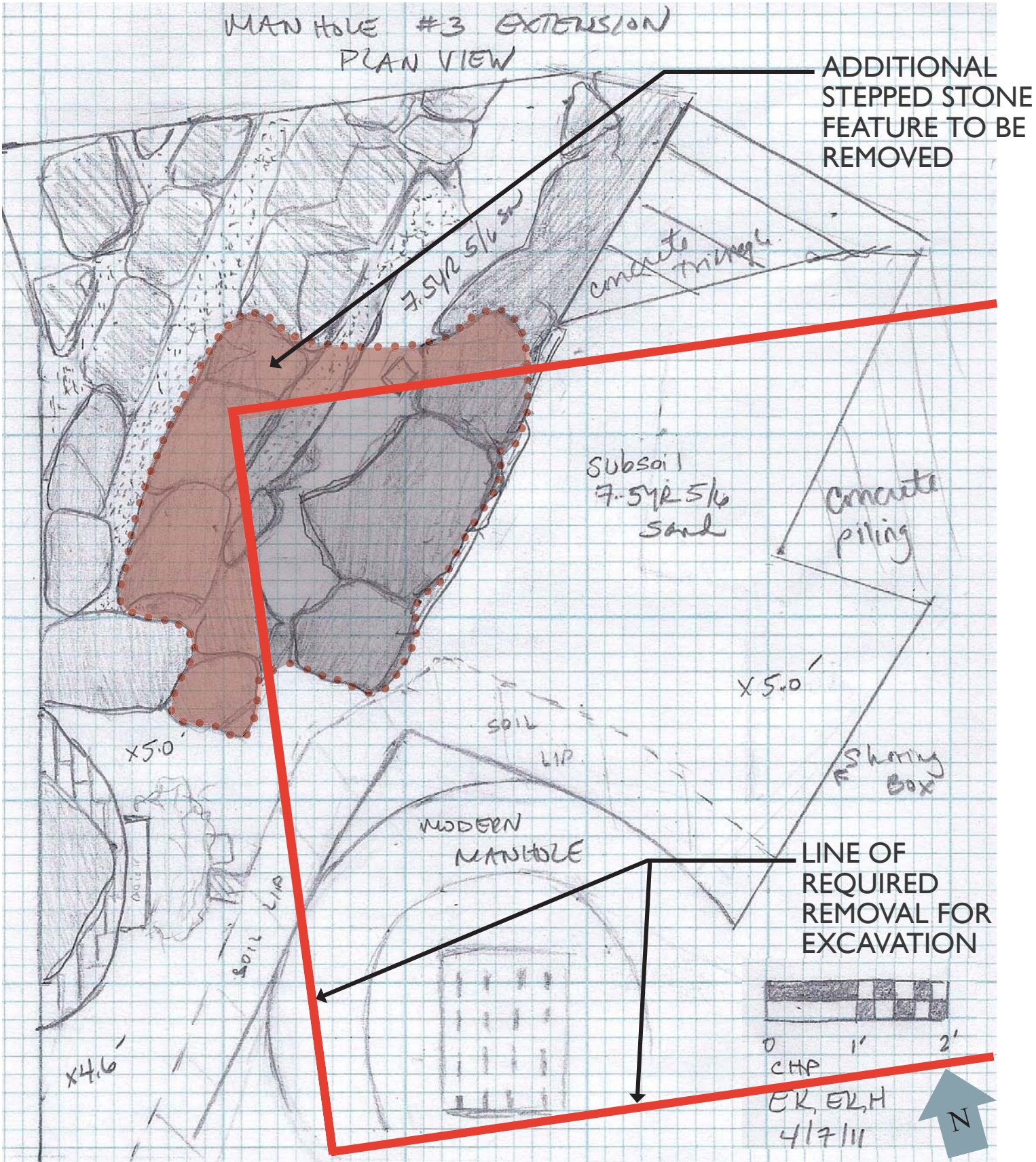


PROPOSED REMOVAL

- Manhole extended 8 feet to west to accommodate longer micro-tunnel boring machine
- 15 SF of feature to be removed (approx 4 ft x 5 ft)
- Extension of manhole to east not feasible due to location of existing trees and spacing of soldier piles



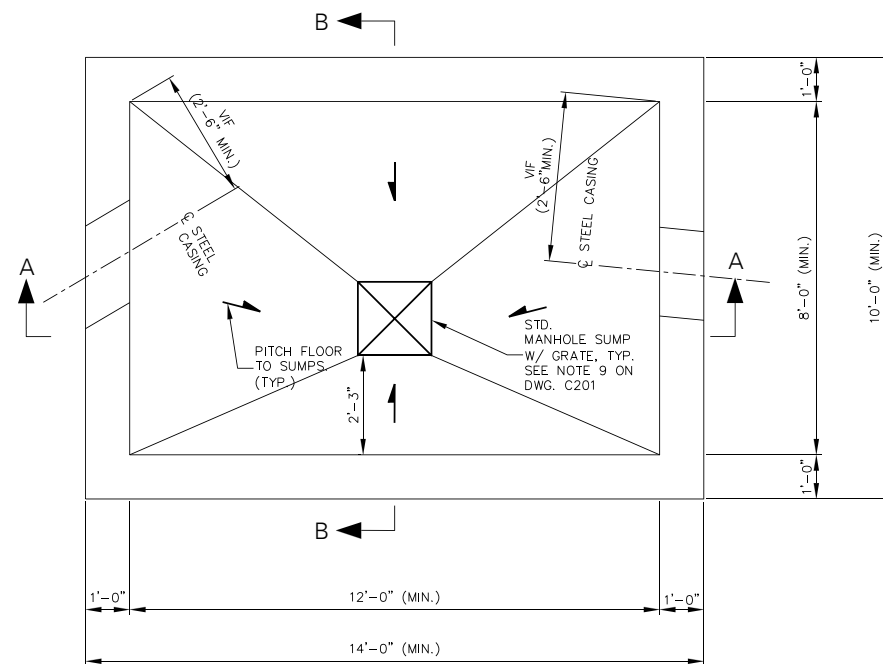
SITE PHOTO



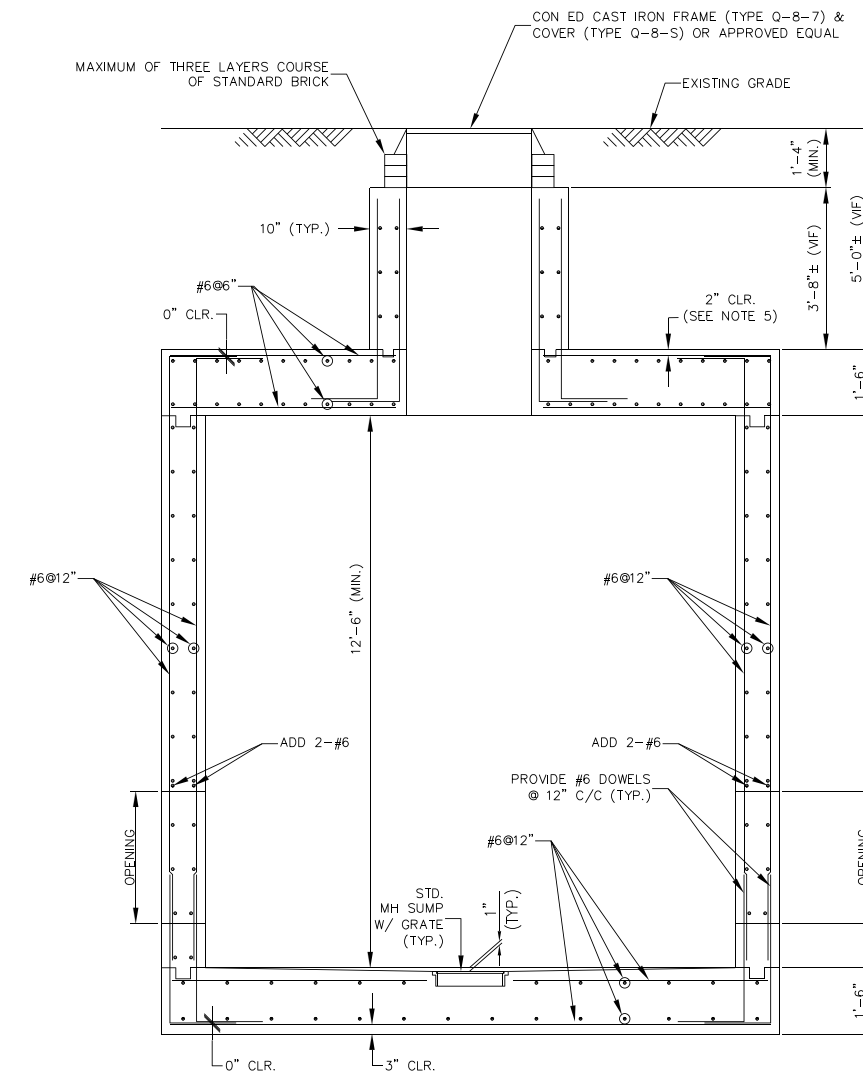
AREA OF REQUIRED REMOVAL

ARCHAEOLOGICAL FEATURES – PROPOSED REMOVAL

Project No: 2155.00



PLAN OF MANHOLE #3



SECTION OF MANHOLE #3

MITIGATION STRATEGY

- Further archaeological excavation to better understand uncovered features
- Further mapping of City Hall Park archaeological findings
- Archaeological report to include new findings
- 3D Imagery
- Photographic documentation
- Interpretation: exterior signage in City Hall Park
- Dedicated website information: www.nyc.gov
- Exhibit in City Hall of artifacts found



ARCHAEOLOGICAL FEATURES



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7780



November 9, 2010

ISSUED TO:

Joseph Wagner
DCAS
Municipal Bldg, 16th Fl
1 Centre St
New York, NY 10007

Re: **MISCELLANEOUS/AMENDMENTS**
LPC - 113527
MISC 11-4078
CITY HALL
City Hall
AFRICAN BURIAL GROUND
Borough of Manhattan
Block/Lot: 122 / 1

Pursuant to Section 25-318 of the Administrative Code of the City of New York, the Landmarks Preservation Commission, at the Public Meeting of November 9, 2010 following the Public Hearing of June 15, 2010 voted to approve a proposal to install rooftop mechanical equipment, modify interior and exterior stairs, install fire suppression equipment and excavate an areaway at the northeast corner of the building. A copy of Binding Report, CRB 10-9738 which approved that work is appended.

Subsequently, the Commission received an application to amend the report, and at the Public Meeting of November 9, 2010, the Commission voted to approve the proposed amendment.

The proposed amendment consists of expanding the scope of work to include additional excavation at the northeast corner of the building; the installation of a utility vault on the northeast side of City Hall which will require the removal of significant archaeological features including: an 18th century well, a 19th century drain complex, an early 19th century retaining wall associated with City Hall, and a mid-19th century brick feature. The proposal is shown in boards, elevations, photographs, and drawings labeled "LPC-1-15," all dated November 9, 2010 and prepared by Beyer Blinder Belle and submitted as components of the application.

With regard to this proposed amendment, the Commission noted the City Hall designation report describes City Hall as a Federal style government building designed by Mangin and McComb and built between 1802 and 1811; and that the African Burial Ground and the Commons Historic District designation report states that the portion of lower Manhattan within the historic district has undergone intense public use since the mid-seventeenth century, resulting in the overlay of many significant historic improvements and resources--both above ground and below--all of which document the changing nature of the important area long devoted to communal, public, and civic purposes.

The Commission found that that extensive archaeological testing has been completed in the area which has informed the design of the below grade vault and the identification of the mitigation measures; that the proposed

design for the underground vault has been designed to allow for the protection in place of significant archaeological resources; that other resources will be excavated, removed and curated pursuant to approved archaeological standards; that the mitigation measures proposed, consisting of: (1) installing interpretive signage (2) documentation of features and their deconstruction including 3D imaging and a professional photographer, (3) a permanent exhibit in City Hall showcasing some of the discoveries, and (4) the creation of a website which will outline everything that has been learned about the project and will include educational modules for lesson plans, will allow the public to understand the significance of what has been uncovered; and that the proposed work is consistent with the scope of work described in the initial approval, therefore, CRB 10-9738 is hereby amended to incorporate the above-referenced drawings.

PLEASE NOTE that this Amendment is issued contingent upon the Commission staff's review and approval of the final plans for the interpretive signage, the exhibit, and the web site, and of the documentation, archaeological analysis, and final archaeological report.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.


Robert B. Tierney

cc: Jared Knowles, LPC



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK, NY 10007

TEL: 212 669-7700 FAX: 212 669-7786



ISSUED TO:

Joseph Wagner
DCAS
Municipal Building
1 Centre St
New York, NY 10007

Re: **MISCELLANEOUS/AMENDMENTS**

LPC - 118476

MISC 11-8698

CITY HALL

City Hall

AFRICAN BURIAL GROUND

Borough of Manhattan

Block/Lot: 122 / 1

Pursuant to Section 25-318 of the Administrative Code of the City of New York, the Landmarks Preservation Commission, at the Public Meeting of April 19, 2011 following the Public Hearing of June 15, 2010 voted to approve a proposal to install rooftop mechanical equipment, modify interior and exterior stairs, install fire suppression equipment and excavate an areaway at the northeast corner of the building. A copy of Binding Report, CRB 10-9738 which approved that work is appended. In addition, on November 9, 2010, the Commission voted to approve a proposal to install a utility vault at the northeast corner of the building which required the removal of significant archaeological features. A copy of Miscellaneous/Amendment, MISC 11-4078 is appended.

Subsequently, the Commission received an application to amend the report, and at the Public Meeting of April 19, 2011, the Commission voted to approve the proposed amendment.

The proposed amendment consists of expanding the scope of work to include additional excavation to the northwest of the building to enlarge an existing manhole which will require the partial removal of a significant stone and mortar archaeological feature which may be a segment of the Bridewell, a prison from 1775-1838. The proposal is shown in boards, elevations, photographs, and drawings labeled "LPC-1-8," all dated April 19, 2011 and prepared by Beyer Blinder Belle and submitted as components of the application.

With regard to this proposed amendment, the Commission noted the City Hall designation report describes City Hall as a Federal style government building designed by Mangin and McComb and built between 1802 and 1811; and that the African Burial Ground and the Commons Historic District designation report states that the portion of lower Manhattan within the historic district has undergone intense public use since the mid-seventeenth century, resulting in the overlay of many significant historic improvements and resources--both above ground and below--all of which document the changing nature of the important area long devoted to communal, public, and civic purposes.

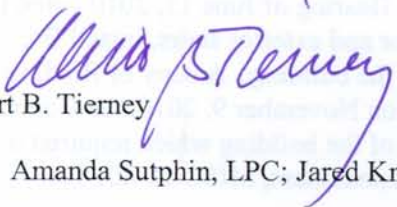
The Commission found the proposed design for the manhole extension has been designed to allow for the

protection in place of significant archaeological resources; that additional archaeological testing will be undertaken to further define this discovery; that a portion of one significant archaeological feature will be excavated, removed and curated pursuant to approved archaeological standards; and that the mitigation measures that were approved by the Commission at the Public Meeting of November 9, 2010 consisting of: (1) installing interpretive signage, (2) documentation of features and their deconstruction including 3D imaging and a professional photographer, (3) a permanent exhibit in City Hall showcasing some of the discoveries, and (4) the creation of a website, will also be applied to this archaeological feature; and that the proposed work is consistent with the scope of work described in the initial approval, therefore, CRB 10-9738 is hereby amended to incorporate the above-referenced drawings

PLEASE NOTE that this Amendment is issued contingent upon the Commission staff's review and approval of the final plans for the interpretive signage, the exhibit, and the web site, and of the documentation, archaeological analysis, and final archaeological report.

This amendment is being issued on the basis of the building and site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if the actual building or site conditions vary or if original building fabric is discovered. The Commission reserves the right to revoke this permit, upon written notice to the applicant, if the actual building conditions are materially different from those described in the application or disclosed during the review process.

All approved drawings are marked approved by the Commission with a perforated seal indicating the date of approval. The approved work is limited to what is contained in the perforated documents. Other work to this filing must be reviewed and approved separately. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Please direct inquiries to Amanda Sutphin.


Robert B. Tierney

cc: Amanda Sutphin, LPC; Jared Knowles, LPC

City Hall Park
2010-2011 Excavation Report

Appendix D:

Field Recording Forms

UNIT RECORD FORM

Page ___ of ___

Project: _____ Site: _____ Block: _____

Test Unit #: _____

SW Coordinates: N _____ E _____

Natural Stratum _____ Arbitrary Level _____ ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s) _____

Unit Dimensions: _____ m x m _____

Date: _____

Excavators: _____

Methods: _____

Mesh: (1/4) (1/8)



Strat _____
Lv. _____

Strat _____
Lv. _____

Strat _____
Lv. _____

Strat _____
Lv. _____

Strat _____
Lv. _____

Strat _____
Lv. _____

Strat _____
Lv. _____

SUMMARY FORM

SITE

BLOCK

Test Unit

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

URS Corporation FS Log

Field Log by LG, EKH

PROJECT: City Hall Park
 SITE / AREA: Norwalk 3 Extension

FS #	Locus/ Transect	STP #	TU #	Str/Lv	Fea. #	Fea Part	North	East	# Art Bags	#Flot. Samps	#Soil Samps	#C-14 Samps	Excav. Init	Excav. Date	Lab Init	Lab Date
466	Norwalk 3 W Ext.			General Collection					1				LG, EKH	4.18.11		
467	Norwalk 3 W Ext.			Strat IV					1				LG, EKH	4.19.11		
468	Norwalk 3 W Ext.			Strat IV					1				LG, EKH	4.19.11		
469	Norwalk 3 W Ext.			Strat IV					1				LG, EKH	4.19.11		
470	Norwalk 3 W Ext.				39				1				LG, EKH	4.20.11		
471	Norwalk 3 W Ext.				37				1				LG, EKH	4.20.11		
472	Norwalk 3 W Ext.				37				1				LG, EKH	4.20.11		
473	Norwalk 3 W Ext.			Strat I	37				1				LG, EKH	4.20.11		
474	Norwalk 3 W Ext.				39				1				LG, EKH	4.21.11		
475	Norwalk 3 W Ext.				39				1				LG, EKH	4.21.11		
476	Norwalk 3 W Ext.				39				1				LG, EKH	4.21.11		
477	Norwalk 3 W Ext.				42								LG, EKH	5/2/11		
478	Norwalk 3 W Ext.				42				2 plastic bags				LG, EKH	5/2/11		
479	Norwalk 3 W Ext.			General Collection					1				LG, EKH	4/6/11		
480	Norwalk 3 W Ext.			General Collection					1				LG, EKH	6/7/11		

City Hall Park
2010-2011 Excavation Report

Appendix E:

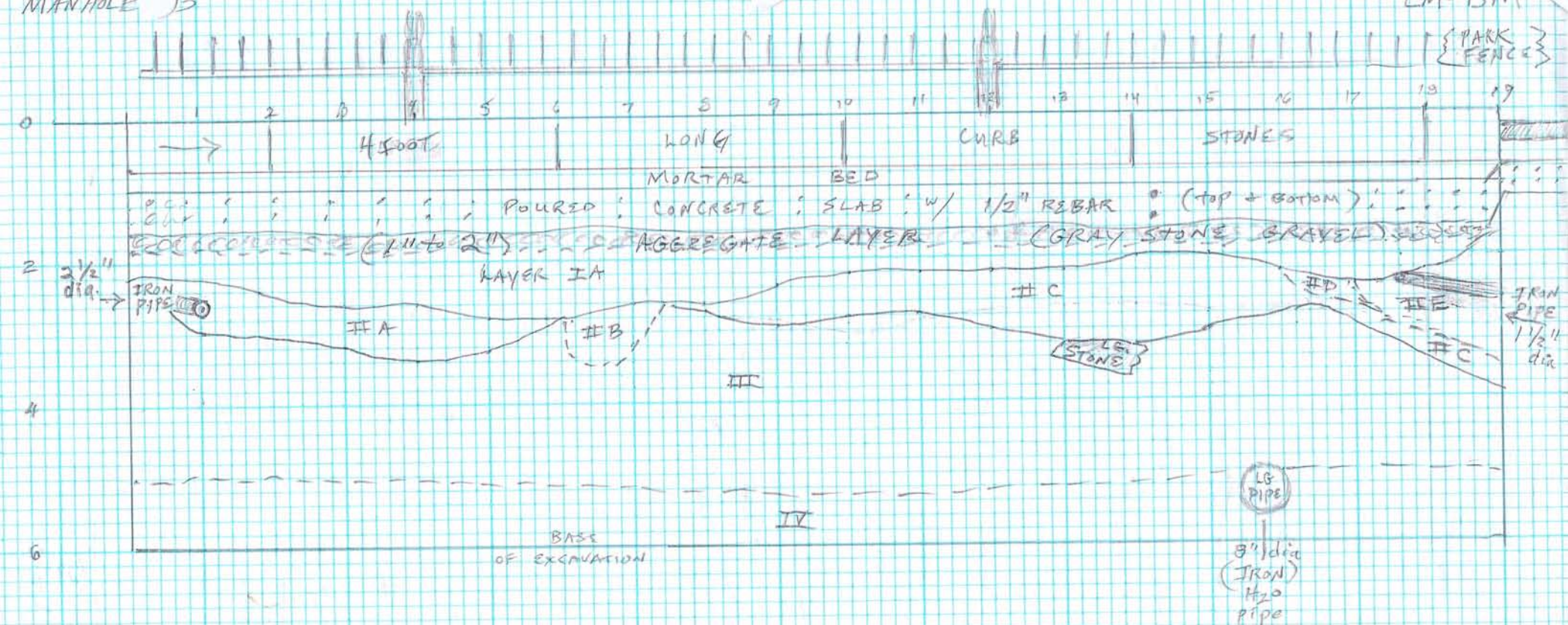
Field Maps and Notes

- E.01. Warren Street Path
- E.02. Tweed
- E.03. Northwest Area
- E.04. West Path
- E.05. Murray Street Path
- E.06. East
- E.07. Basement
- E.08. Northeast Area
- E.09. West Path North Manhole #3 and extension
- E 10. Northeast and Basement data points

CITY Hall PARK
MANHOLE 3

SOUTH WALL PROFILE

CHARYALIS
8-31-10
LM-DM



KEY TO SOILS

FILL
LAYER
OR
DEPOSIT

- IA 10YR 3/2 V. DRK GRYSH BRN SILT, SAND + GRAVEL w/ BRICK FRAGS + COAL DUST
w/ 4/2 DARK GRYSH BRN
- II A 7.5YR 4/6 STRONG BRN, 10YR 5/8 YELL BRN, 10YR 4/4 DRK YELL BRN (MIXED) COMPACT SILTY MED. SANDS (TRACE)
- II B 10YR 3/4 to 4/4 DARK YELLOWISH BRN COMPACT LOAMY SAND (MEDIUM)
- II C 7.5YR 4/6 STRONG BRN MEDIUM SAND w/ GRAVELS (V. COMPACT)
- II D 10YR 4/6 to 5/6 DRK YELL BRN to YELLOWISH BRN MED. SANDY CLAY MIX w/ GRAVELS (COMPACT)
- II E (SEE II A ABOVE)
- III 7.5YR 4/4 BRN to 5YR 4/4 REDDISH BRN MED. to CRS. SANDS, GRAVEL AND OCCASIONAL COBBLE
LOOSE WATERWORN (SMOOTH)
- IV 10YR 4/6, 7.5YR 4/6, 7.5YR 4/4 (stacked deposit) FINE to medium SANDS w/ trace silt (within layers visible)

CITY HALL PARK
MAN HOLE 3

AUG. 30, 2010
MONDAY
HAZY, WARM - HOT
DM - CM

AM: CREW: MAX, DASQUAL, DARREN, AL, JAY, JOHN.
AREA 19' N/S X 22' E/W. AT THIS PT. THE
Southern 1/2 IS EXCAVATED DOWN 5' BELOW THE
CONCRETE PAD. CREW WORKING THE NORTH 1/2.

South WALL PROFILE @ 6' (TOP of CORB Stone
Description Edge of PARK garden
+ Black iron fence)

0-8" = CORB Stone

8"-11" = Mortar Bed

11"-20" = Concrete PAD

20"-22" = aggregate/stone

22"-32" = undulating fill (MIXED) → V. Few items really
DR. BR, silty loam
w/ clay inclusions 18th-19th to 20th C. ARTIFACT

32"-72" = clean fill → occas. shell frag
DR. Red BR
Med coarse, sands - gravels
w/ occas. cobble

9:55 NYC SAFETY OFFICER CAME by & SAYS
Hole is too deep NEEDS to be Shored up
Before EXCAVATION can continue. Hole is
6' inclosed concrete footing but he doesn't
like the footing — waiting for resolution...

In the meantime all crew is out of the
hole work is STOPPED! problem negotiated and
RESOLVED — BACK TO WORK in about 1/2 hour.

PM. continue to EXCAVATE N 1/2, will complete
this AFTERNOON. — Man Hole will HAVE to be
Shored up before crew continues. Think total
Depth will be 14'.

City Hall

Park. PH III (3) (Manhole between City Hall + Turner Hall)

Aug. 24, 2010 - Tuesday - overcast - mild

Photo Log1. Photo Clean fill Removal
Reddish Br n med. Sands2. photo South wall
profile in
progress

3. PLANVIEW S 1/2 excavation

4. PROFILE of fill associated
w/ BRICK + concrete scatter

5. OVERVIEW - WEST.

cont on
page (2)

Fore man = Jay
black t = John
Lg. man = Alphonse
Red Hat = Darren
BRAIDS = Max
in shirt
gray shirt = pasqual

PM: Crew has removed
about 4 feet of material/
fill from 50% of an
area roughly 25' x 20'.
Exposed metal pipe
(electrical conduit)
Running through the
center and north and
south edges. (Look
like water pipe in the
south east). Exposed
about 2' below surface.

Fills below stone pavers
in general include.

I. paver bedding

II. Compact Rubble

Fill, occ. Brick Bat
coal, oyster shell,
14th. cent. items!III: Clean Fill / Reddish
br. Med. SANDS
1 pl Bristol St. WR

Aug. 26, 2010

THURSDAY

PHOTOS

G. / NONE TODAY

AM: crew - Jay, Darren, John
Paquial, AL, MAX

Bright, Clear,

Men continue excavation on
MAN HOLE 3. AREA TO EAST is
about 6' & JACK HAMMER WRB
continues & fills at this depth
appear to be mainly th. red BR
unstructured, moist sands - (clean)
no cultural materials being
found w/in.

P.M.: Noted 18th c. sign

WHITE SALT GLZ STONEWARE

From DARK FILL east of

IRON GRATED DRAIN (SQUARE)

A MIXED RUBBLE FILL w/ BRICK.

FRED CAME BY TO SAY THE
MAN HOLE SIZE WILL BE CHANGED
EXPAND WEST 2' TO 4'
OR NORTH/SOUTH (about 14').

Aug. 27, 2010

Friday

Pitolas

6.

AM: MAX, DARREN, JOHN, PASQUAL, AL

Bright, clear, Mild

Crew continues excavation of man hole working on leveling area @ 5' as well as opening up a 4' segment to the west to allow enough room for construction.

Soils continue to be the Red Br med. SANDS = clean fill.

PM: Crew made good progress - by touch.

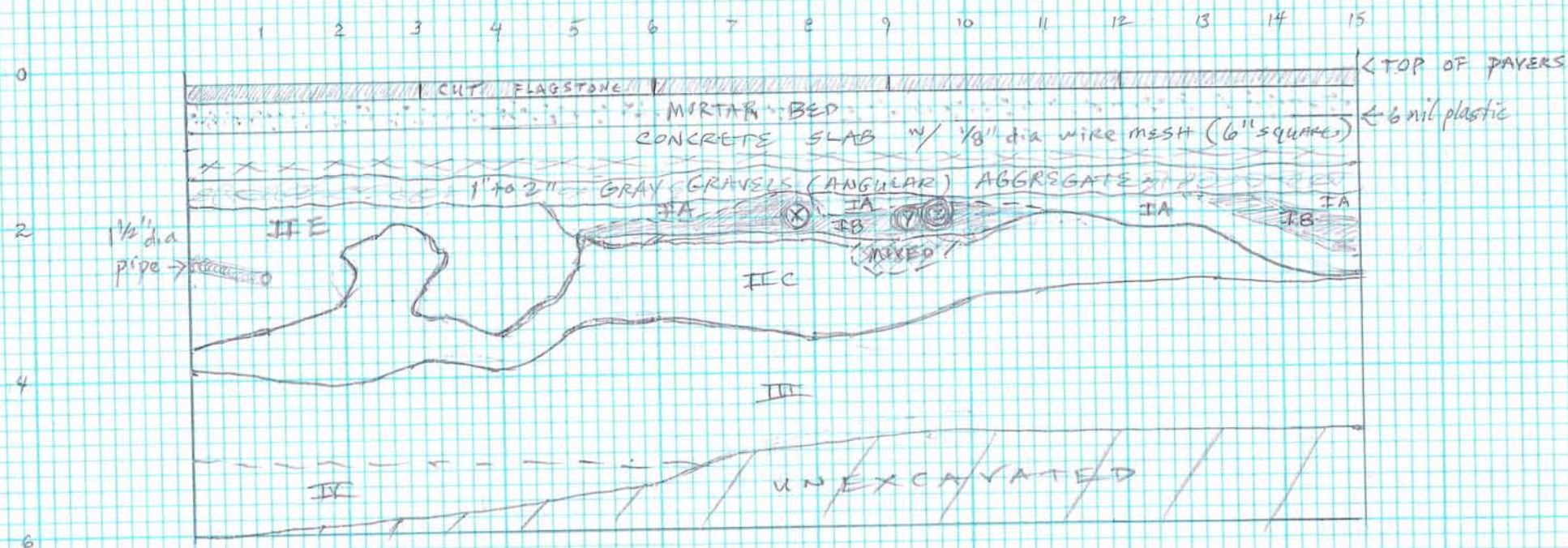
All concrete removed from west end.

Recovered cow bone, oyster shell, clam shell, a tp white sherd (all these items come from V. Compact pr. Br, clayed fill under concrete appears to be a redeposited fill.) and @ this point the only deposit which contains cultural material.

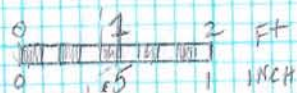
CITY HALL PARK
MAN HOLE 3

WEST WALL PROFILE

CHRVSA115
B-8 3 CM-DM



SCALE



KEY TO SOILS

- #A 10YR 3/2 v. drk gray brn silty sand w/ gravel, brick frags and coal pcs, to 4/0
- I.B 10YR 6/3 BROWNISH w/ 7/6 yellow med. sand "pipe bedding" fill
YELLOW (loose)
- #C 7.5YR 4/6 strong brn. med. sand w/ gravels (v. compact)
- II.E 7.5YR 4/6 w/ 10YR 5/3 4/4 and 4/6 mixed sil (compact
(backhoe trench fill) silty sand w/ coal, brick & concrete frags,
- III. 7.5YR 4/4 to 5YR 4/4 reddish brn med to cgs loose sands, gravels w/ occasional
cobble
- IV. 10YR 4/6, 7.5YR 4/6 and 7.5YR 4/4 stacked deposits (FN. to med. sands w/ trace
silt)

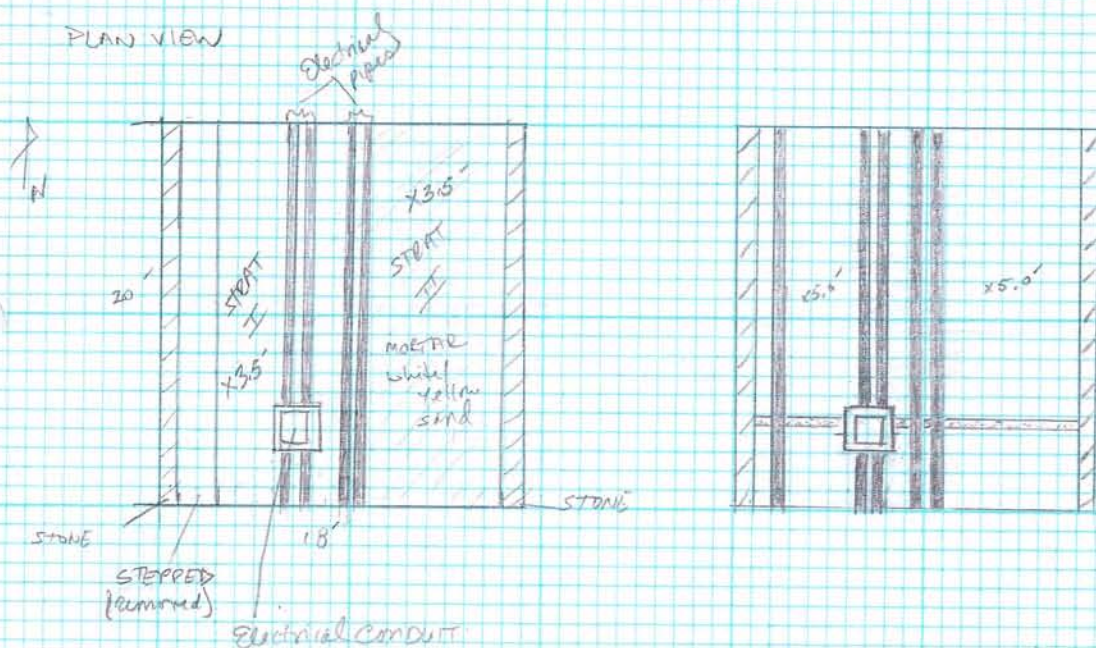
* PIPE
X = 4" dia steel pipe
Y = 3" dia steel
Z = 4" dia pipe
(ELECTRICAL CONDUIT)

TWEED HALL MANHOLE 1 - PHASE 2

8/16/10 Monitoring - City Hall park, west of Courthouse building, NW of City Hall 20' x 18'

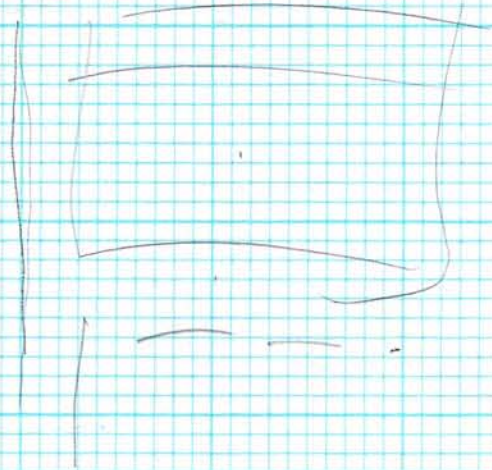
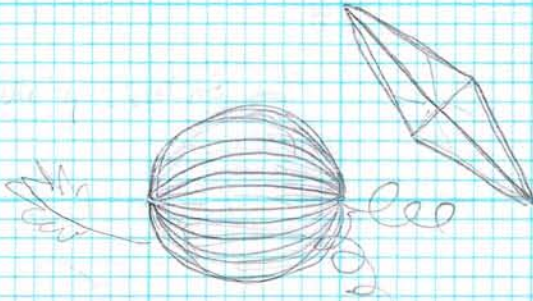
Trench monitoring - PERONI Construction Co.
TWEED MANHOLE #1

- Manually removed brick stone walkway and RCA to expose soils. Soils excavated by laborers. Encountered similar Strat I and Strat II (19th C fill deposit & 20th C) as cistern/ditch area. Modern utilities present: electric boxes, pipes, etc. Similar artifacts. Soil matrix is homogeneous, artifacts scattered, no discernible pattern of deposition. Notable artifacts: brass iron handle, leather shoe, kaolin pipe bowl, rockingham frag, bone, oyster shell sampled.
- Strat II: white/yellow sand encountered approx 1' below strat I. White/yellow sand may present in East 1/2 of trench.



- 8/19/10 Discrepancy over STEPPED soil on Western edge of Manhole
FEED from Rodman said to take it out
All soil was removed with Manhole #1 down to 5' below concrete block (approx 2.9' below curb)
Exposing electrical box, electrical pipes (6) + terra cotta pipe

tweed Hall manhole 1 - PHASE 2



TECHS

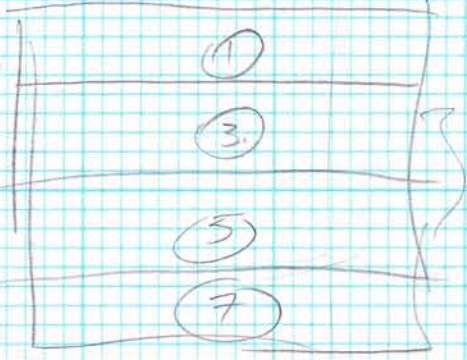
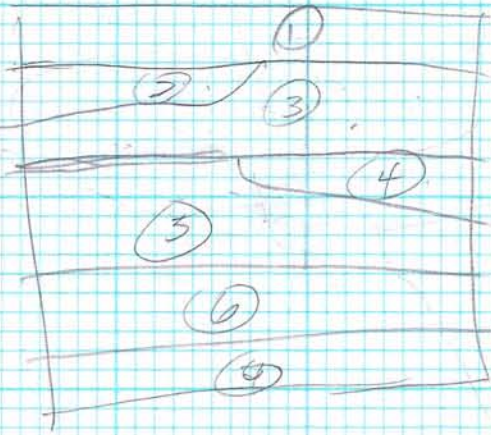
TON
JAMES
ZIG
CHRISN
LISA
ALEX A.
AMY S.
EILEEN KAO
NICUTCA
BUBBLES

FI

LONG
GEORGE
PAT MILLER
PARSONS
JAN CASSIDY
ED

FD

ELLEN KRAUL
TONY
DAN
DEN
KIM
MATT
T.



- ① STRA I
- ② STRA II
- ③ STRA II
- ④ STRA II
- ⑤ STRA II
- ⑥ STRA II
- ⑦ STRA II

2

4

6

8

10

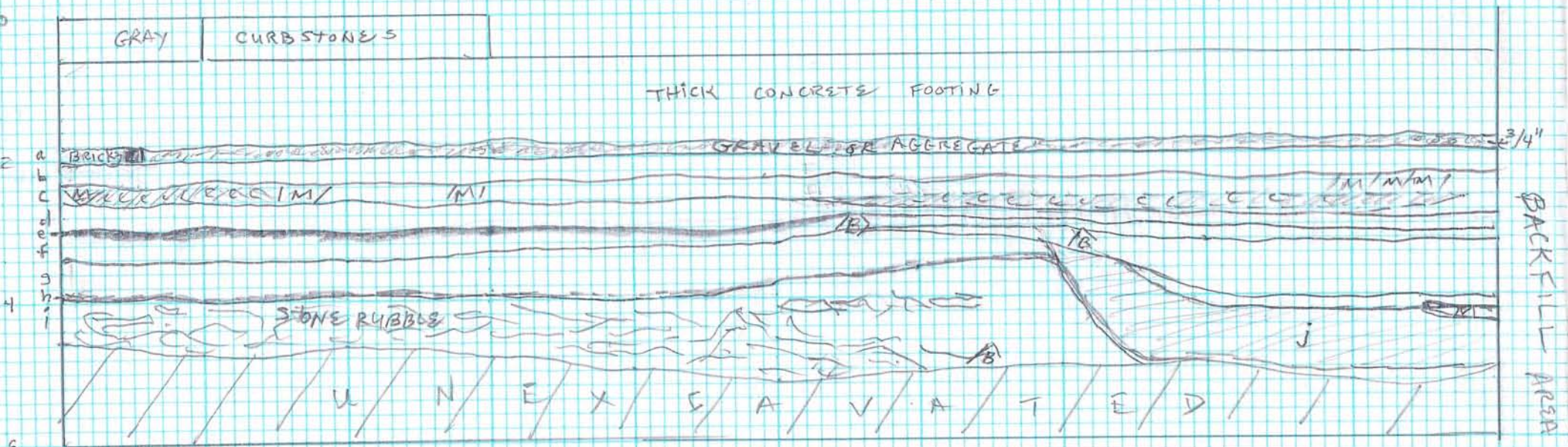
12

14

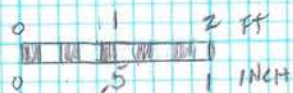
16

18

20



SCALE

* LAYERS ARE SHOWN
AS APPROX. THICKNESS

KEY

- a 1/2" to 3/4" gravel / aggregate (slab bedding) w/ concrete dust
- b 7.5YR 3/3 - 3/4 dark brn (v. compact) clayey CRS sand, w/ pebbles, sm. cobbles + shell frags.
- c 10YR 6/2 - 7/2 light gry compact silty med-coarse sand
- d 7.5YR 3/3 - 3/4 w/ 10YR 3/6 clayey CRS sand w/ shell + brick frags (loose fill)
- e black / gray coal, ash, AND DUST (very thin in places)
- f 7.5YR 4/6, 4/4 + 5/4, 5/6 med-coarse sand loose "clean" fill (re-deposited subsoils)
- g 10YR 3/2, 3/3, 3/4 dark brn, drk grayish brn compact clayey sand w/ 18th c. materials
- h 10YR 6/6 - 7/8 brownish to yellow silt to v. fn. sand (v. thin deposit)
- i micaceous SHIST STONE RUBBLE w/ in a reddish matrix (7.5YR 4/6)
- j 10YR 6/6 - 7/8 brownish to yellow silt to v. fn. sand (v. thin deposit)

MAN HOLE 2

9/1/10
WEDNESDAY
CM-DM


AM: Hazy, Hot, Humid $\pm 100^\circ$

CREW: Jay, Calvin, Darren, CARL (Joshie) AL (LATER ON.)

MAN HOLE 2 = 14' NORTH / SOUTH
22' EAST / WEST

AT THIS PT. MH2 IS ABOUT 4' DEEP. (CREW
CLOSE TO COMPLETING) MH2 WILL NEED TO BE
SHORED UP BEFORE CONTINUING DOWN.

SO FAR THE CULTURAL MATERIALS RECOVERED APPEAR TO BE
FROM A WIDE SPAN OF TIME (18th TO 20th C.), PERHAPS
LATE 1700'S TO LATE 1900'S. THE DENSITY IS
QUITE LOW FOR AN EXCAVATION OF THIS SIZE. THE
SOILS ARE VISIBLE LAYERS AT FTH W/ VARIOUS COMPOSITION
IE. COLORS, TEXTURES. IN S. WALL @ LEAST 10 VISIBLE
LAYERS. SHELL (CLAM + OYSTER) + BONE NOTED FROM @ LEAST
2 OF THE LAYERS (ALONG W/ COAL, BRICK + MORTAR).

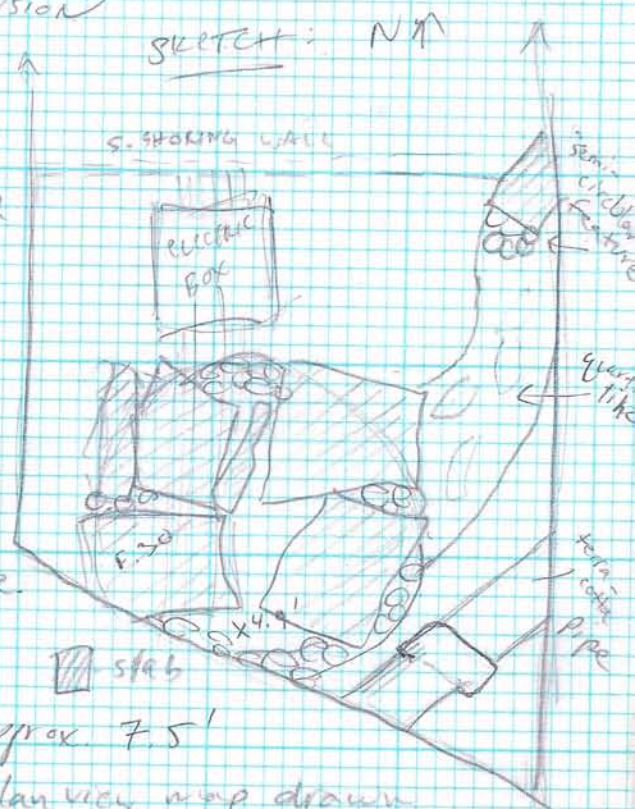


CITY HALL PARK
TWEED MANHOLE / 1st ~~SEMI~~ EXTENSION
FLA 30

11/10/10

Description

- Large circular shaft feature in south portion of first extension to Tweed Manhole 4.9' below bluestone path surface. Capped by v. large stone slabs approx. 3.8' x 2.9'. Schist and decaying quartz form a line leading to a stone slab-capped semi-circle w/in the east wall of Manhole - possibly a connecting drainage feature.
- Dry-laid schist makes up shaft feature walls.
- Interior diameter = 5.5', Outer approx. 7.5'
- Photographed w/ slab cap in place, plan view map drawn after cap removed to better reveal circular shaft dimensions

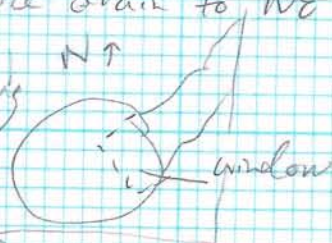


Bisected, E2 removed first

11/11/10

Level 1

- 1 - 10 YR S/S Salo w/ gravel, decayed rock, mortar frags; Artifacts: rouletted pipe stem, w.w., window + bottle glass, plastic, nails, penny
- ↳ mixed redeposited fill; west half removed, w/out screening
- 2' x 1.5' window dug along possible drain to NE to depth of 7' below bluestone to view stratigraphy & identify if drain opening is present
- ↳ no change in fill; increase in soil moisture; no artifacts visible; no drain opening visible - photographed wall profile + plan view



NORTH EDGE OF STORING BOX

EAST EDGE OF CURB

CONCRETE

CONCRETE

PIPE

SHAFT
FEATURE
FEATURE 30

BLUE
STONE

SOUTHERN
EDGE
OF
TRENCH

TERRA
COTTA
PIPE

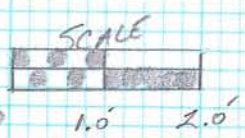
CONCRETE

x 4.5
365

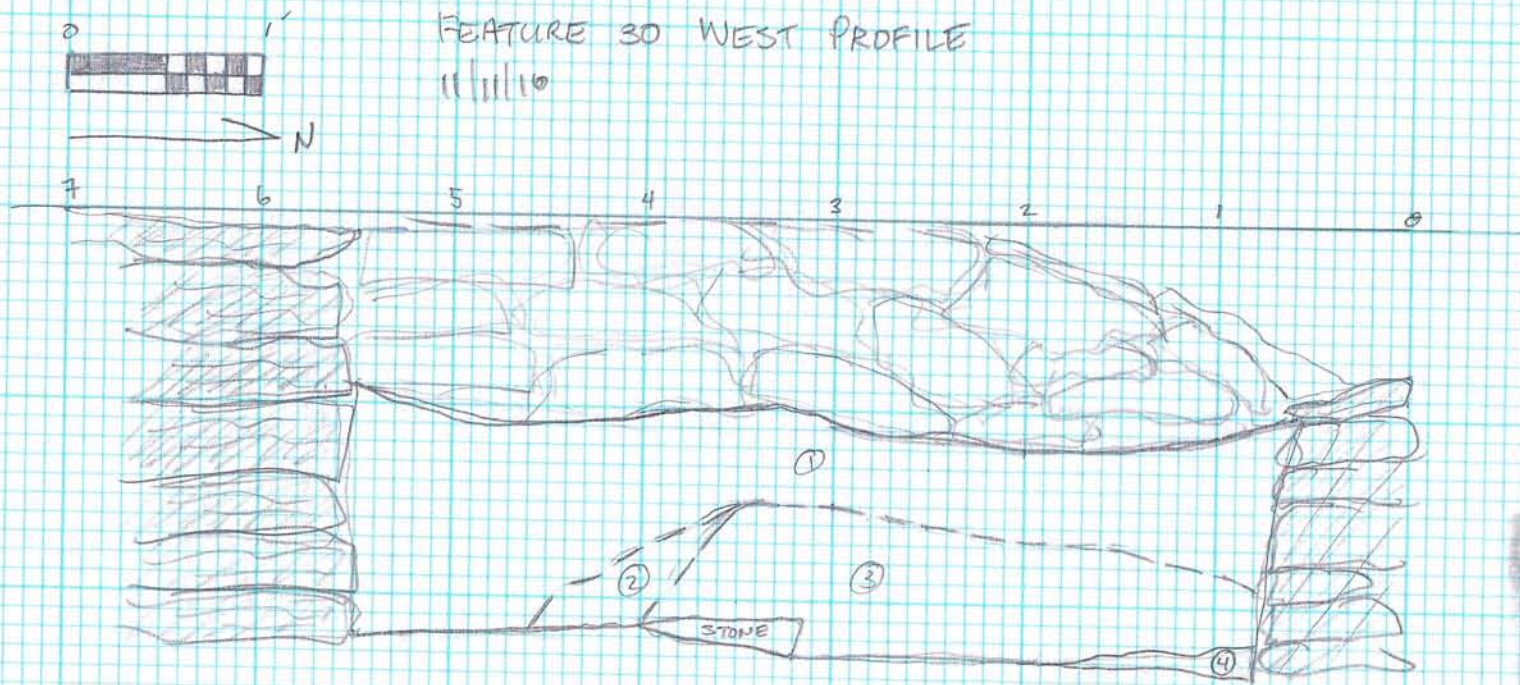
x 0.2

CITY HALL PARK
TRENCH MANHOLE
FEATURE 30 & 31
PLAN VIEW

N



CITY HALL
TWEED MANHOLE
FEATURE 30 WEST PROFILE
11/11/10



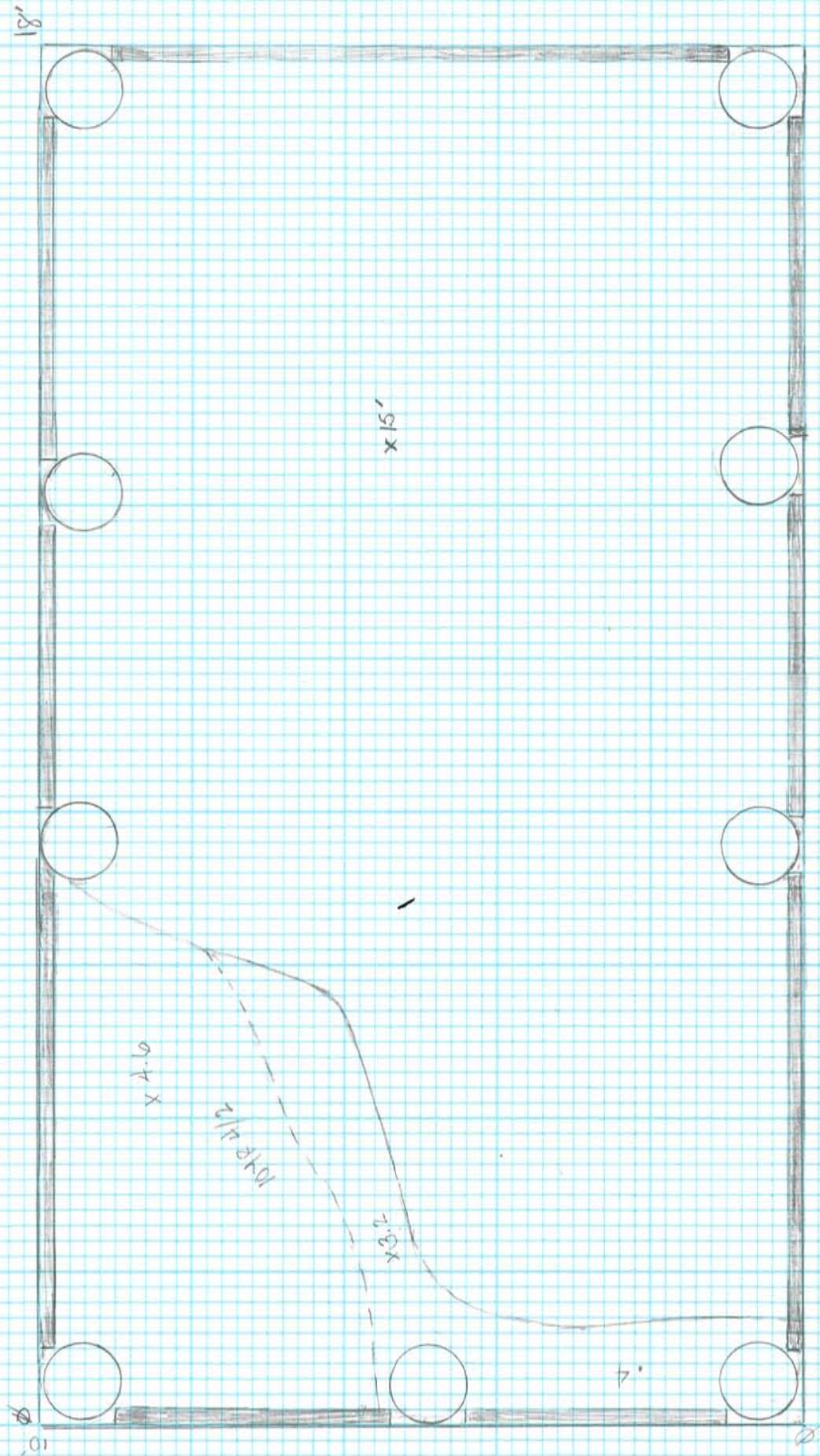
- ① Fill - Brown sand, 10 yr 5/3 w/ stones, decayed stones, very moist
- ② Fill - Grey brown sand, 10 yr 3/2 w/ decayed stones
- ③ Fill - Reddish sand, 7.5 yr 5/4, some stones, very coarse
- ④ Fill - yellow green, fine clay, sand 2.5 yr 3/5, no inclusions

- ☐ NEW STONES IN BACKGROUND
- ☒ WELL STONES

City Hall
 Tweed Manhole 2
 Plan View
 ALIDE



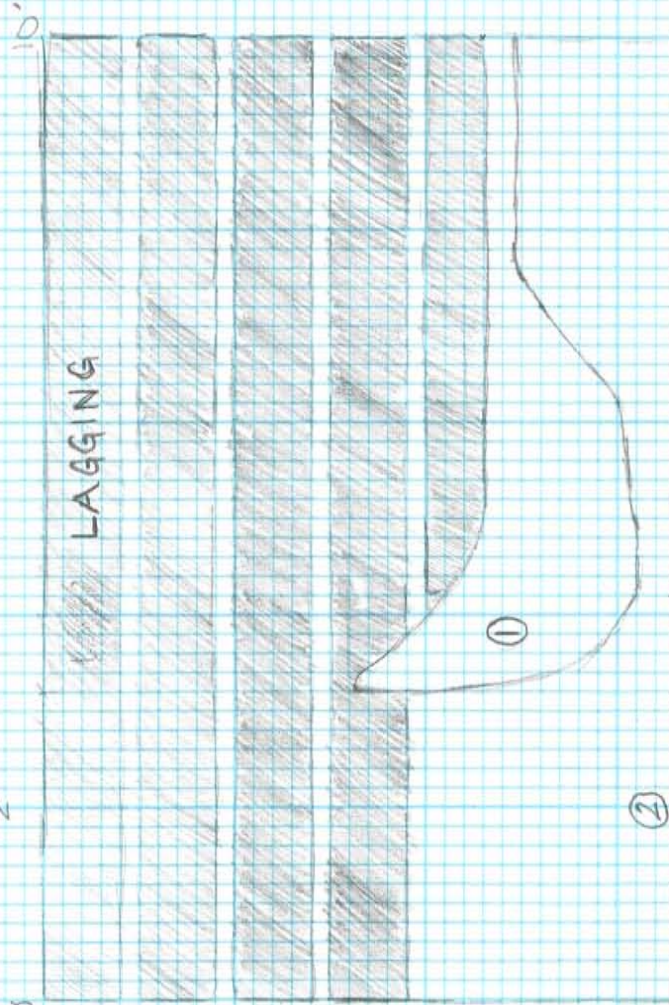
← Z



LAGGING
 SOLDIER PILES

Tweed ... hole 2
North profile 2 Sep 2011

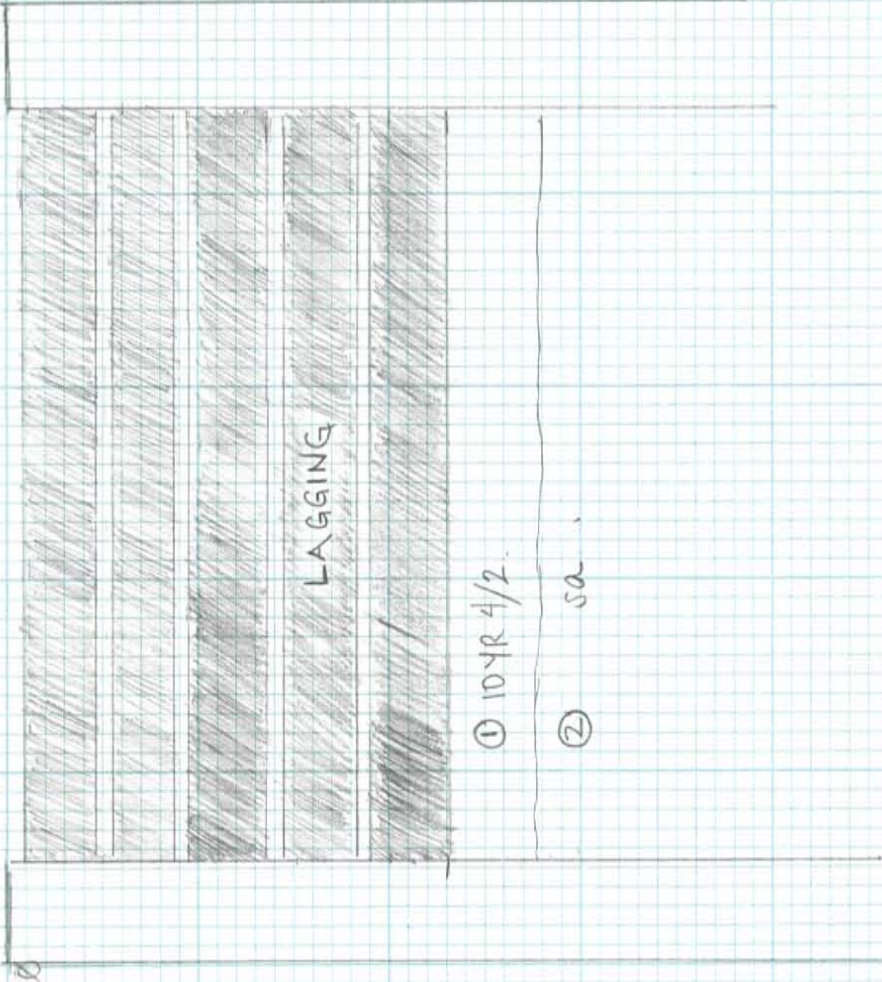
ALIDE



- ① 10-14 1/2 md. sa - gravelly, schist & quartz
- ② sa - natural sub. soil

Mechanically excavated

Tweed 1st Manhole 2
East Profile (post-excavation)
2 Sep 2011
AL, DE



Tweed Mahole # 2 Re-excitation.

2 Sep 2011

AL, DE, AG, ASI (Rockmore)

Prior to our arrival URBAN had mechanically excavated 4.6' from top of 1st lag board, approx. 4' bs. Area had then been filled with excavated sands from southern area of trench. Machine excavated.

URBAN re-excavated north half to 3.5' by backhoe.

Then manually to 4.6' - bottom of lagging.

Once exposed remainder of deposit. Dan, with help from Anthony (Rockmore), excavated cultural strat. All soils screened: pottery, metal, bone.

Deposit extended to approx. 6' bs.

STH WALL MARK
PHASE 4 MAINWALL #4
FOUNDATION IS



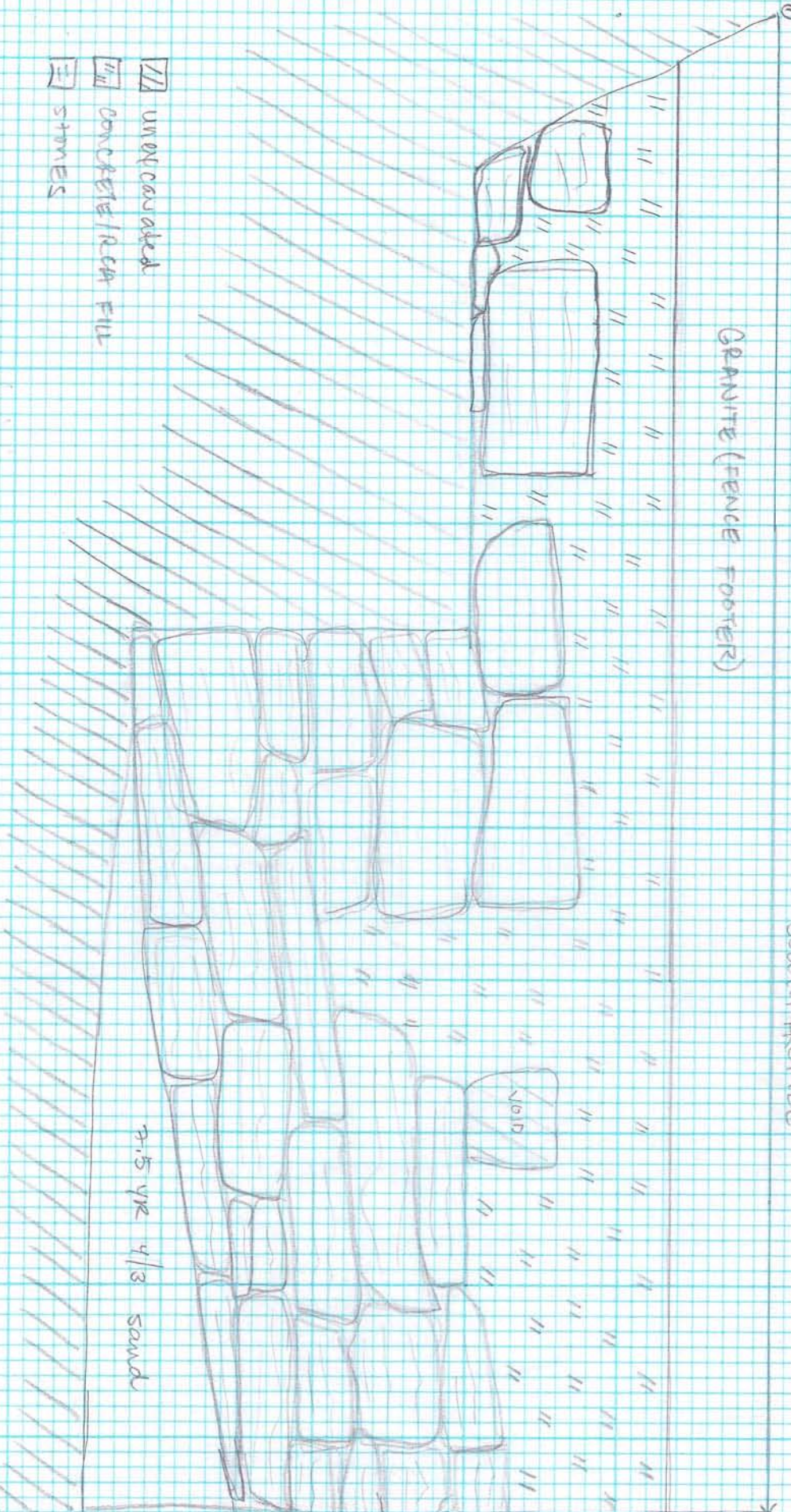
GRANITE (FENCE FOOTER)

SOUTH PROFILE

FENCE
CORNER
4.8 West
of STAN

- /// UNEXCAVATED
- |||| CONCRETE/RTCA FILL
- STONES

7.5 yre 4/3 sand



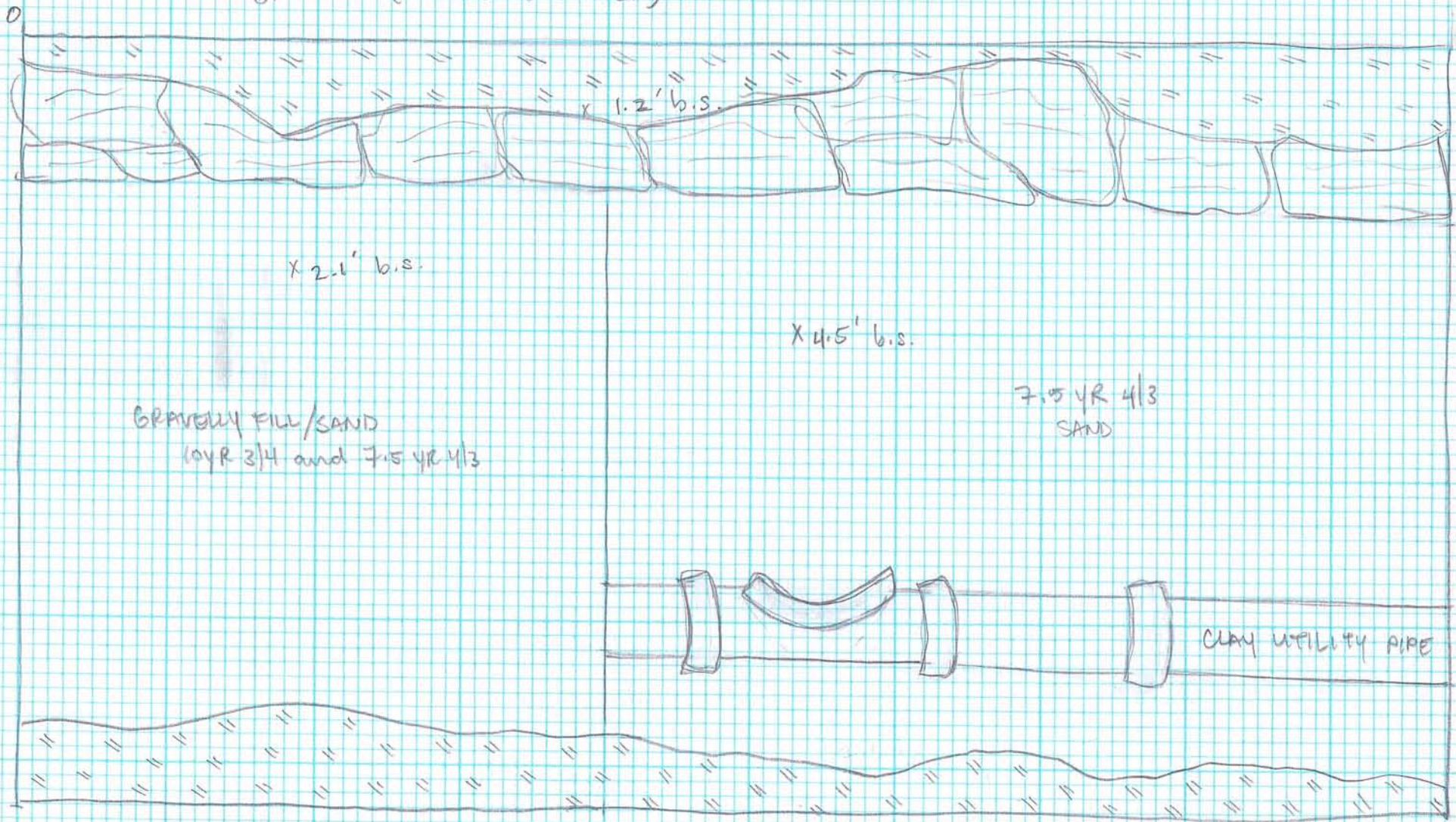
CITY HALL PARK
 PHASE 4 MANHOLE #4
 FEATURE 15



43'
 48'

PLAN VIEW

GRANITE (IRON FENCE FOOTER)



CONCRETE FILL

STONE WALL

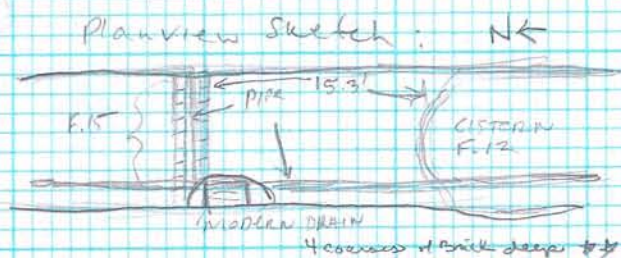
S = surface of granite fence footer

CITY HALL PARK
MURRAY ST. PATH/WEST SIDE C.H.

9/1/10

LG, EK

Feature 16



DESCRIPTION

- F.16 APPEARS AS BRICK WALLED DRAIN RUNNING E-W, 15.3' NORTH OF F.12 CISTERN WITHIN MURRAY ST./WEST SIDE CITY HALL TRENCH. 1 BRICK THICK WALLS, 4 COURSES DEEP WITH A METAL PIPE RUNNING THROUGH DRAIN CENTER (POSSIBLY ADDED LATER TO TAKE ADVANTAGE OF EXISTING DRAINAGE CHANNEL). F.16 MAY HAVE HAD A STONE CAP SIMILAR TO F.13, AS SEVERAL LARGE STONES THAT APPEARED TO BE FILL WERE REMOVED FROM THIS AREA BY THE CONSTRUCTION CREW.
- METAL PIPE THAT CUTS THROUGH F.12 CISTERN RUNNING N-S ALSO CUTS THROUGH F.16 JUST E. OF THE MODERN GRATED DRAIN.
- F.16 PASSES UNDER THE NORTH EDGE OF THE MODERN GRATED DRAIN - PERHAPS DRAINING INTO SOME AREA LATER REPURPOSED + USED AS LOCATION FOR THIS MODERN DRAIN.
- * CALLED FPA.66 BY PARSONS EXCAVATION + LABELED AS BRICK-LINED PATHWAY, ERRONEOUSLY DRAWN FURTHER SOUTH + NOT TO SCALE w/ LISTER *
- BRICK FLOOR VISIBLE ON INTERIOR 3 COURSES DOWN, WITH FIBER MATERIAL PACKED INTO N + S EDGES

ARTIFACTS: —

PLANVIEW DRAWN + PHOTOGRAPHED

CITY HALL PROP
WEST PATH
FEATURE 16 PLAINVIEW
9/1/10



11' →
TO CITY HALL
FENCE

BLUESTONE / E. TRENCH WALL

X 8.5' beyond
BLUESTONE

X 3.4'

F. 16

PIPE

WATER PIPE

WATER PIPE

WOODEN PIPE

WATER PIPE

CONCRETE LOGGE

CURB / W. TRENCH WALL

GRADED DRAIN

METAL

CONCRETE

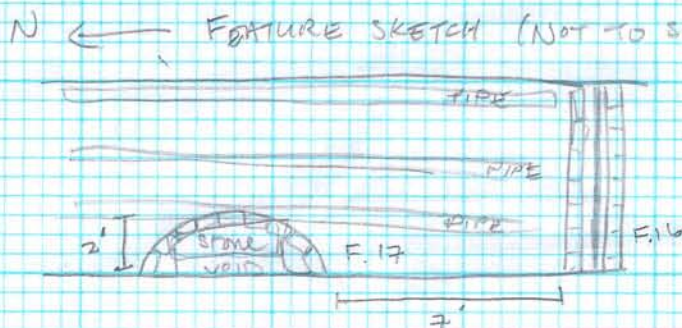
N
15.3' FROM CISTERN EDGE
TO S. EDGE F. 16

CONCRETE
CISTERN
N

9/2/10

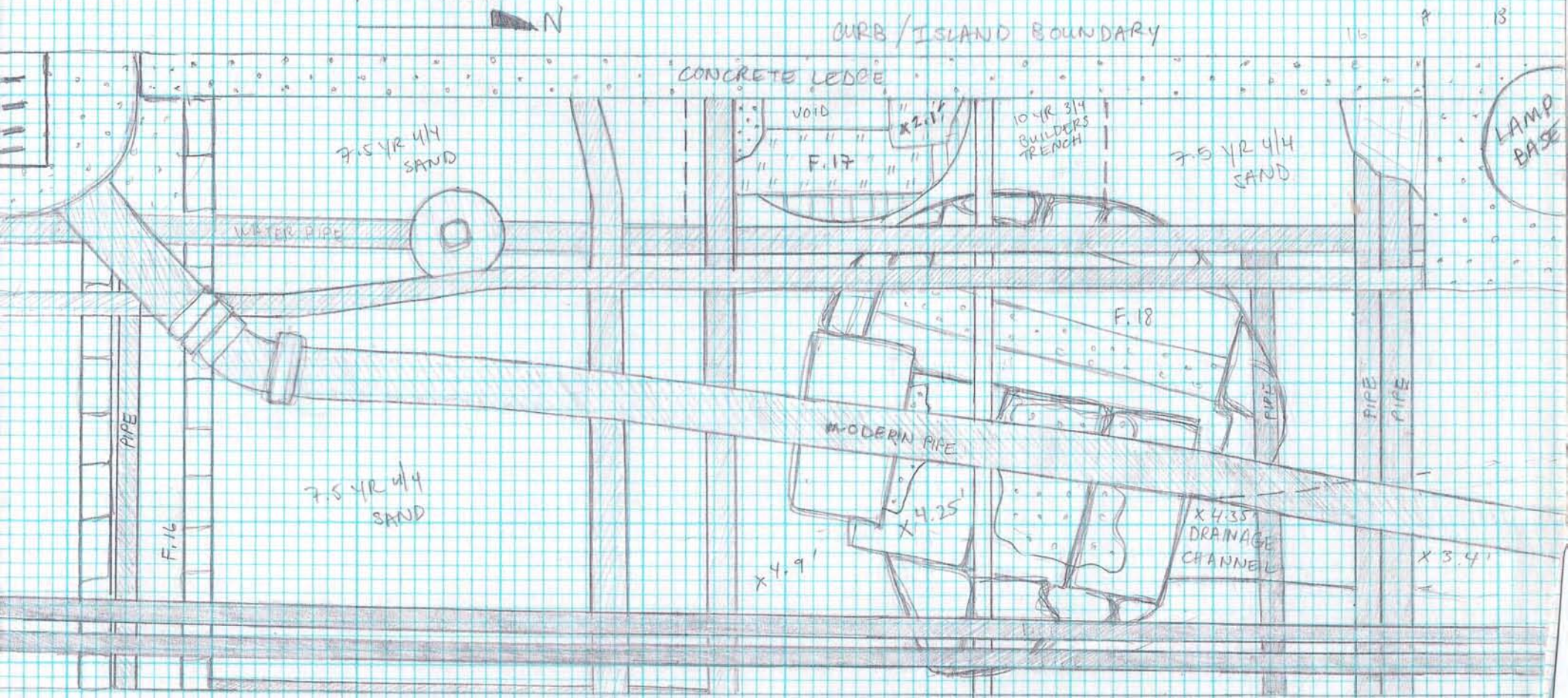
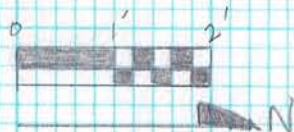
FEATURE 17 - SHAFT FEATURE




- Circular shaft feature discovered in trench of Murray St, west path as progressed northward. Constructed of brick, sand mortared in place, and discovered capped w/ large stone on East half. West half open w/ void large enough to shallowly investigate interior only, void extends below concrete ledge.
- F.17 located on west edge of trench, about 7' north of FEA. 16. East $\frac{1}{2}$ of shaft exposed only, extending about 2' east from concrete ledge, 2.65' east of curb/island boundary. About 11 courses of brick exposed, more, however investigation of final depth not possible at this time due to safety reasons.



- shallow excavations possible w/out removing large stone slab on east half of feature. trenching tool used to remove some soil, screened through $\frac{1}{4}$ " mesh.
- Artifacts:
 - discarded modern items including packing peanuts, plastic
 - historic artifacts: pipe stem fragment, ceramic (tin glazed)

CITY HALL PARK
WEST PATH
FEATURE 17 + 18 PLAN VIEW
9/2/10



-  CONCRETE
-  BRICK
-  STONE

*ALL DEPTHS TAKEN
FROM BLUESTONE WALKWAY

CITY HALL PARK

West PATH

FEATURE 18 + 19

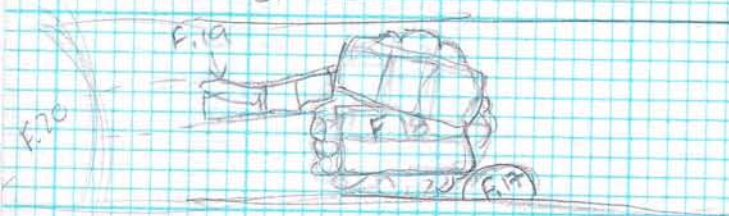
EKG, LG

9/2/10

✓ PHOTOGRAPHED + FORMALLY PLAN VIEWED

SKETCH:

← N



DESCRIPTION = CIRCULAR MORTARED STONE SHAFT FEATURE 7' IN DIAMETER FOUND JUST NE OF SMALLER SHAFT FEA. 17 AT DEPTH OF 4.25' BELOW THE BLUESTONE PAVERS. FEA. 18 IS CAPPED W/ LARGE STONE SLABS CEMENTED ATOP REDDISH SANDSTONE. SMALL AMOUNT OF CONCRETE W/ CEMENTED BRICK RUBBLE IS VISIBLE ON STONE CAP SLABS.

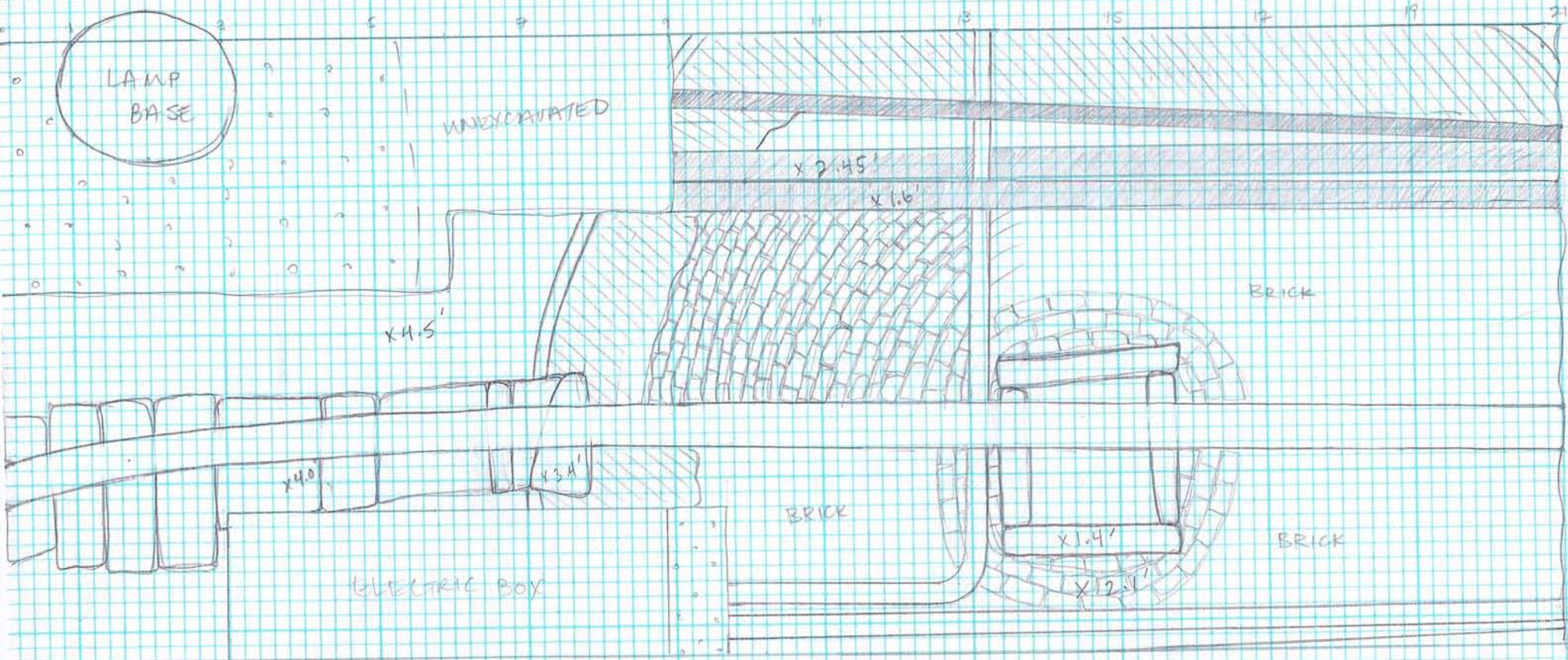
- FEA. 18 ABUTS F. 17. A STONE-CAPPED, BRICK-WALLED DRAIN EXTENDS NORTH FROM THE NE SECTION OF FEA. 18. SIMILAR TO THE OVERFLOW DRAIN (F. 13) EXTENDING SOUTH FROM FEA. 12 (CISTERN).



THIS DRAIN, FEATURE 19, RUNS DOWNHILL SOUTH FROM ANOTHER BRICK-DOMED CISTERN, FEA. 20. STONE SLAB CAP IS MORTARED IN PLACE. ELEVATION: FROM 3.4' @ F. 20 CISTERN TO 4.35' @ F. 18. WELL 3 COARSE OF LAID BRICK ATOP A FLAT BRICK DRAIN FLOOR.

ANALYSIS = FEA. 18 LIKELY A WELL BUILT TO CHANNEL OVERFLOW WATER FROM CISTERN; F. 20, CARRIED THROUGH THE STONE + BRICK DRAIN, F. 19. OR IT'S POSSIBLE F. 18 WAS A WATER WELL LATER REPURPOSED TO HANDLE THE CISTERN DRAINAGE.

ARTIFACTS - NONE COLLECTED CONCLUSIVELY FROM FEATURES (SOME GENERAL COLLECTION W/ W. + PIPE STEMS FROM SURROUNDING PATH FILL)

12" matches Plan View
 (see 13 & 18)



-  CONCRETE
-  PLASTER/MORTAR (indicated by diagonal lines)

13

14

15

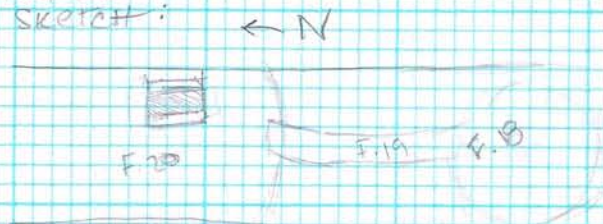
16

CITY HALL PARK

WEST PATH

FEB. 20

EN, LH
SKETCH:



9/7/0

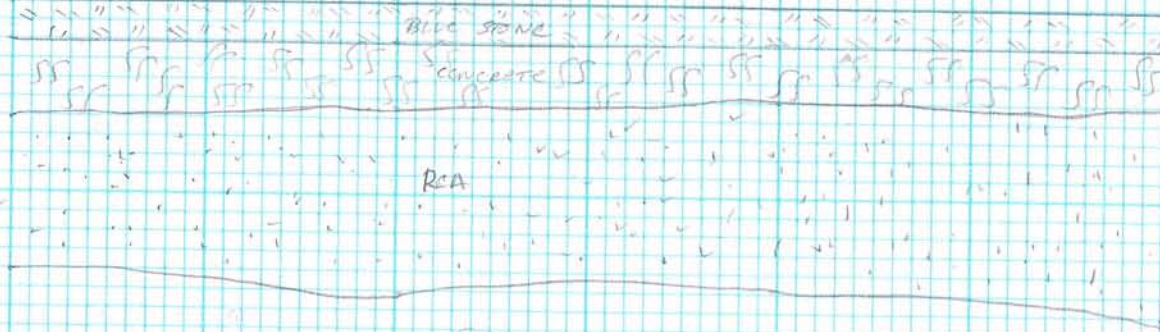
- DESCRIPTION: • BRICK-DOMED CISTERN 14' DIAMETER @ BELOW BLUE STONE WALKWAY. PLASTER/CEMENT WATERPROOFING ON DOME, ESPECIALLY INTACT BY THE OUTER PORTIONS OF THE DOME THAT MAY NOT HAVE BEEN DUG OUT IN PREVIOUS UTILITY TRENCH EXCAVATION. A UTILITY PIPE CUTS INTO THE WEST SIDE OF THE DOME (SAME PIPE THAT CUTS F.12 CISTERN). F.19, STONE-CAPPED OVERFLOW DRAIN RUNS SOUTH FROM THE SE SECTION OF THE CISTERN.
- COMPARED TO F.12 CISTERN TO THE SOUTH, F.20 APPEARS TO HAVE A STEEPER ANGLED DOME, AND SIDES THAT END GOING STRAIGHT DOWN RATHER THAN STEPPED BRICKS. BOTH CISTERNS HAVE A SQUARE STONE "CAP", LIKELY PLACE FOR PUMPING MECHANISM: THE N & S STONES IN F.20 MISSING, APPEAR TO HAVE BEEN REMOVED TO FIT MODERN WATER PIPE ABOVE THE CISTERN. F.20 DOES NOT HAVE A BRICK "CROSS" RAISED AROUND THE STONE-LINED SQUARE AS F.12 HAD.
- FULL NORTH EXTENT NOT REVEALED (LIKELY <1' HIDDEN) DUE TO A CHANGE IN THE WEST PATH TRENCH COURSE TO AVOID CUTTING OPEN THE CISTERN IN ORDER TO FIT THE PIPES BEING LAID.

ARTIFACTS:

CITY HALL PARK
MURRAY ST. PATH
FEA. 14 NORTH PROFILE
8/27/10
EK, CG



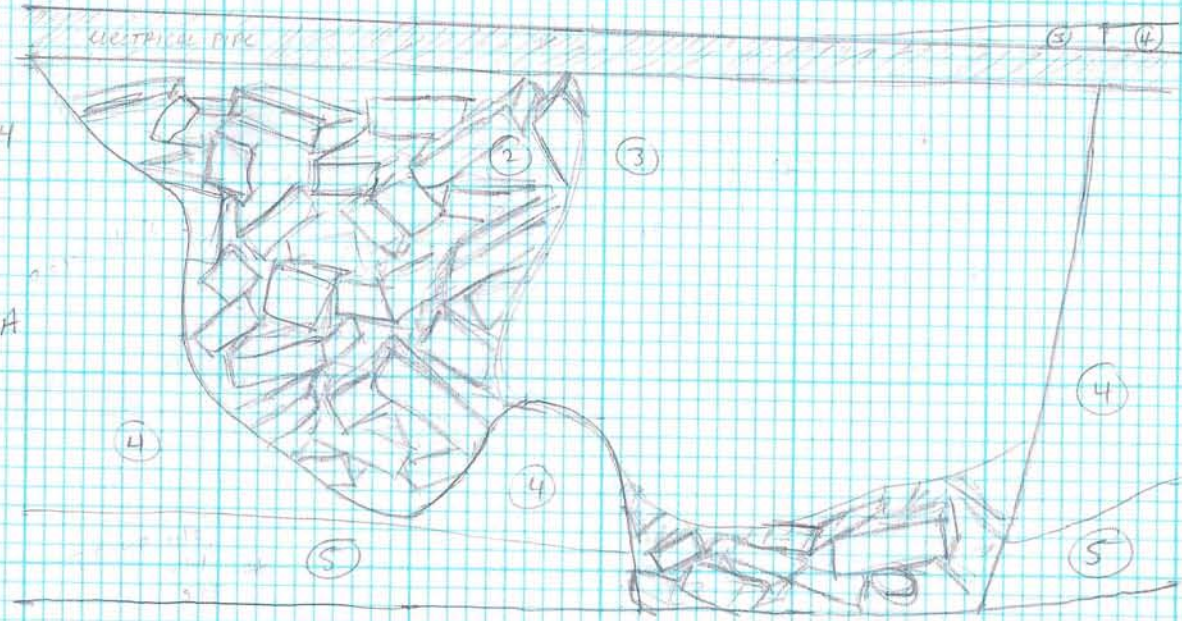
10' TO E. EDGE
ELECTRICAL BOX



KEY:

- ① 10 YR 5/4 SALO STRAT I
- ② 7.5 YR 4/4 SA + BRICK RUBBLE
- ③ 10 YR 4/6 CL
- ④ 7.5 YR 4/4 SA - STRAT II
- ⑤ 7.5 YR 4/3 SA MOTTLED w/
2.5 YR 4/4 & 7.5 YR 5/3 SA

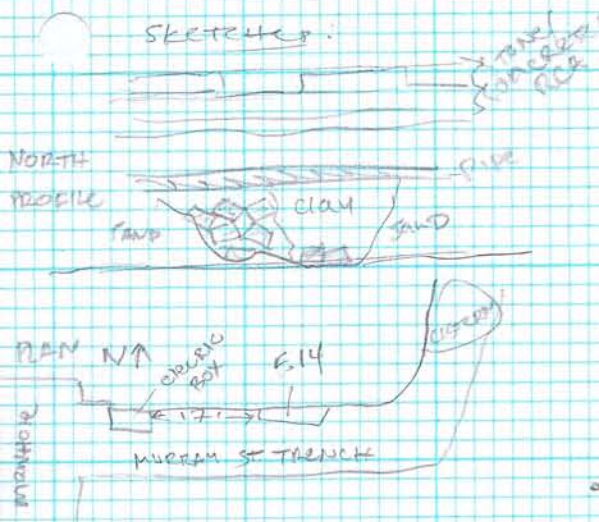
- = Blue Stone
- = ELECTRICAL PIPE
- = RCA
- = CONCRETE



CITY HALL Park
MURRAY ST. PATH / PHASE 1
FEATURE 14

8/27/10 LG

SKETCHES:



• LARGE COLLECTION OF DISARTICULATED BRICK RUBBLE FILL & CLAY DISCOVERED 8/27 IN NORTH WALL OF MURRAY ST. PATH TRENCH / PHASE 1, BEHIND ELECTRICAL PIPING. CLAY FILL IN WEST SECTION OF FEATURE APPEARS TO OVERLAY THE SANDY BRICK RUBBLE DEPOSIT. PROBING w/ CHAINING PIN DID NOT INDICATE PRESENCE OF ANY ARTICULATED WALL BEHIND THE VISIBLE FILL.

• HIGH CONCENTRATION OF ANIMAL BONE & SOME GLAZED REDWARE.

↳ POSSIBLE DEPOSIT RELATED TO BRIDGEMAN - DEMO KILL IN CELLAR?

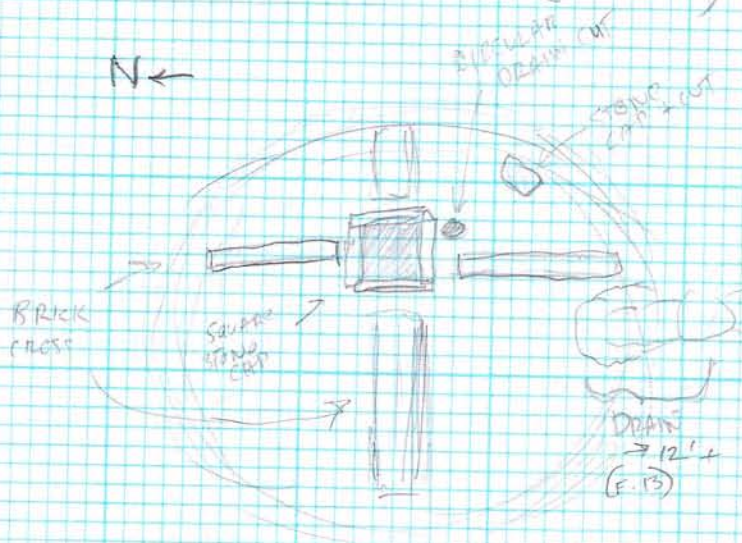
• TRENCH EXCAVATION TO CONTINUE NO FURTHER NORTH, SHOULD NOT IMPACT F.14.
F.14 PHOTOGRAPHED & PROFILE DRAWN

ARTIFACTS - BONE, SHELL, REDWARE, STONEWARE, BONE BUTTON / BLANK CUP

* SEE PROFILE FOR DETAIL / MUNSCHS

CITY HALL PARK
MURRAY ST
CISTERN MECHANICS (FLA. 12)

8/26/10 NOTES 26



- THEORY - CISTERN BUILT FOR BRIDEWELL, LATER RE-PURPOSED FOR CITY HALL USE

* BRICK CROSS - ORNAMENTAL

* CIRCULAR OPENING ADJACENT TO STONE SQUARE - PART OF ORIGINAL CONSTRUCTION, FINISHED EVEN CIRCLE, FINISHED CERAMIC PIPE END -> PROBABLE FEEDER PIPE

* SE EDGE OPENING - CLEARLY BROKEN, UNEVEN OPENING MADE AS LATER ADDITION - CAPPED W/ STONE. OPENING FOR ^{OPEN} CERAMIC PIPE THAT DROPS ALL THE WAY TO FLOOR -> OUT FLOWING PIPE - TO CITY HALL? INTERIOR LIES ATOP COPPER FOIL + MARBLE SLAB, TURNS & CURVES SOUTH OUT OF CISTERN WALL

* S. DRAIN ATTEND TO MANAGE OVERFLOW

OTHER FEATURES:

- VERTICALLY LAID BRICK DOME, 18' CIRCUMFERENCE, COVERED BY MORTAR - 2', 3' LATEST SECTION OF STEPPED ANGLE HORIZONTAL BRICKS ON DOME EDGES ABOVE 5 VISIBLE COURSES OF STEPPED RING COURSE.
- DEBRIS & RAIL MOUNDING BELOW SQUARE STONE CAP OPENING, BUT NOT FULLY FILLING THE CISTERN'S INTERIOR.
- BRICK CROSS & STONE SQUARE CAP SLABS REMOVED BY JACKHAMMER ON 8/24/10 TO PROVIDE CLEARANCE ROOM FOR ELECTRICAL PIPE INSTALLATION
- SQUARE OPENING FILLED 8/25/10; ^{8/26} SQUARE OPENING WIDENED BY REMOVING APPROX. 3'x2' ADDITIONAL SECTION OF CISTERN DOME W/ JACKHAMMER. SOME OF CLEAN FILL FROM S/S REMOVED & INTERIOR INVESTIGATED + PHOTOGRAPHED. 1.5' OF STANDING WATER PUMPED OUT OF CISTERN INTERIOR.
- FIVE ENDS IN SCATTERED STONE & BRICK @ 8' INTO INTERIOR - CISTERN POSSIBLY CONTINUES BELOW THIS RUBBLE BUT EXCAVATION NOT POSSIBLE B/C OF STANDING WATER & CONFINED SPACE

ARTIFACTS: - PORCELAIN (POSSIBLE DRAIN OR CLEANING POT), CERAMIC TILE, BRICK (LABELED "F&S")

- BRICK SAMPLE TAKEN FROM CISTERN DOME

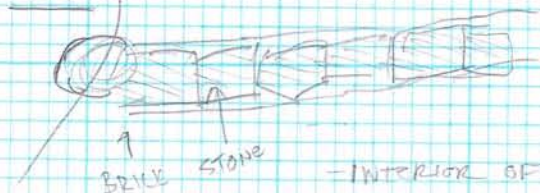
CITY HALL PARK
MURRAY ST. PATH
PCA. 13 - DRAIN

8/26/16 LGA

N ←

- STONE CAPPED DRAIN RUNNING N-S FROM CISTERN, SLOPING SOUTH. IMPACTED BY MODERN ELECTRICAL BOX 12' FROM SOUTHERN EDGE OF CISTERN.
- 3 ^{VISIBLE} COURSES OF BRICK BELOW MORTARED STONE CAP; 3RD COURSE LESS REGULAR - POSSIBLY DAMAGED OR ROUGHLY LAID IN BASE

• THEORY - OVERFLOW MANAGEMENT FOR CISTERN (PCA. 12)



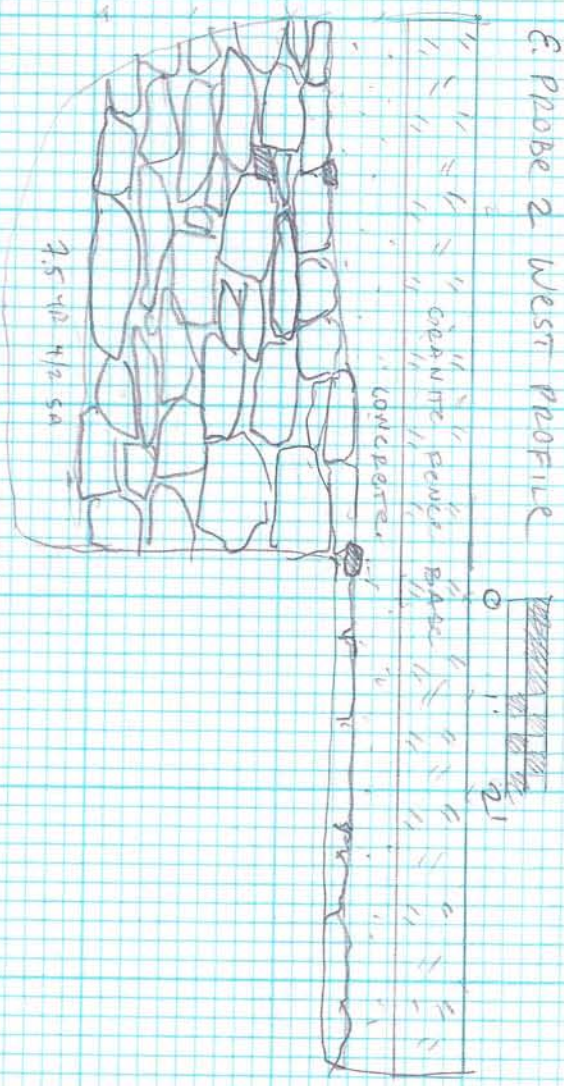
- INTERIOR OF CISTERN SHOWS ~~REMOVED~~ .45' X .5' OPENING INTO DRAIN, W/ A 2" X 4" WOODEN BOARD LYING @ DRAIN BOTTOM (SEE PHOTOS).

- 2 STONE SLAB COVERS REMOVED - DRAIN SIZE CONTINUES AT .45' X .5' W/ A WOODEN BOARD LINING, SET ABOVE THE HAPHAZARD 3RD COURSE OF BRICK

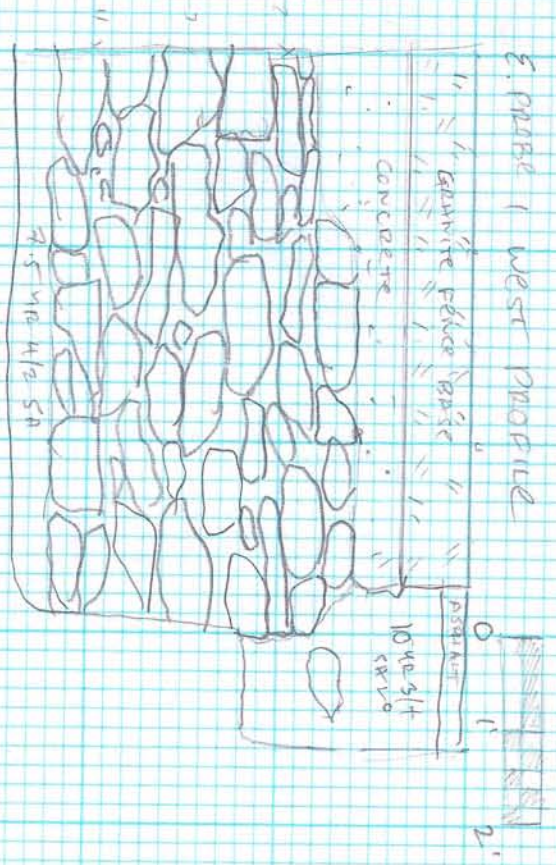
ARTIFACTS - NAIL, WOOD ^{HALF} DISK, SMALL MACHINE-MADE GLASS BOTTLE w/ HAND-TOOLED LIP

1st Apple Park
 EAST SIDE PROBES
 8/30/10
 E.C.

E. PROBE 2 WEST PROFILE



E. PROBE 1 WEST PROFILE



KEY:
 [Hatched Box] - BRICK
 [Dotted Box] - GRANITE
 [Solid Box] - CONCRETE

City Hall
 Aug. 28, 2010
 Saturday
 Clear, Warm

Investigation of Wall East $\frac{1}{2}$ Probe South

Began excavation of "UNIT" ABOUT 7:30 AM WORKING w/ SIR DANNY OF ROCKMORE. "UNIT" HAD ALREADY EXPOSED PORTION OF A STONE WALL (MORTARED) RUNNING PARALLEL TO THE EXISTING BLDG. THIS PARTICULAR "UNIT" OR PROBE HAD ALREADY BEEN EXCAVATED ABOUT 30 to 40 CMBS AFTER REMOVAL OF PAVEMENT (ASPHALT) AND CONCRETE w/ ASSOCIATED GRAVEL BEDDING. THE APPROX. SIZE OF OPENING MEASURED 1M X 50^{cm} (NOT COUNTING THE STONE WALL) AND WAS EXCAVATED TO A TOTAL DEPTH NOT EXCEEDING 60 INCHS BELOW GROUND SURFACE.

DANNY REMOVED A RATHER COMPACT FILL DOWN TO ABOUT 70 CM. WHEREUPON A DISCRETE "POCKET" OF BONE & SHELL APPEARED w/ IN AN APPARENT 18th c. FILL. AFTER FURTHER EXAMINATION IT WAS DETERMINED TO BE A TIGHT CLUSTER OF LG. MAMMAL BONE (LIKELY COW) TOGETHER w/ OYSTER SHELL (LG) AND A LG BOTTLE FRAG. OF A SQUARISH SHAPED BASE. AT THIS PT. 3 PHOTOS TAKEN MID-EXCAVATION MATERIAL BAGGED SEPARATELY FROM ABOVE FILL. THIS LOWER STRATHM OF FILL FROM 70 CMBS TO BASE OF EXCAVATION APPEARS TO CONTAIN 18th c. ITEMS IS MUCH LOOSER REDDISH BROWN SAND.

ADDITIONALLY, these items are primarily kitchen type waste with an odd pc. of metal thrown in. Many different types of Ceramic are represented including: SALT GLZ^{WHITE} STONEWARE "STAFFORDSHIRE", RHINISH OR WESTERWALD, COMBED SLIPWARE, Lead glz. Redware, CREAMWARE, etc... The bone found was mostly cow-pig w/ a few fish. The shell both clam and oyster.

THE "unit" continued down until two conditions or... criteria were met. First, that it was determined the base of stonewall extended no more than 4 feet below surface or 3 ft from top (exposed) to bottom. Lastly, that the soil / fill was no longer yielding 18th c. items.

EAST 1/2 PROBE NORTH.

EXCAVATED BY JAY (LABOR) SIMILAR TO SOUTH PROBE - BUT DID NOT ENCOUNTER 18th c. "pocket" & RECOVERED TYPICAL ITEMS FROM BELOW PAD TO ABOUT 80 CMs - Bone (mostly) few shards ceramic, stone, redware. Soils change to a coarse red brown sand w/ gravels + cobbles. (EXCAVATION STOPPED @ 4' below "PAD" - WHICH NO ARTIFACTS WERE FOUND, & WALL IS APPROX. 3' IN DEPTH.

BOTH PROBES COVERED AND LEFT FOR ALYSSA TO SEE ON MONDAY.

PHOTOS: (3) of pocket deposit

(1) WALL S. PROBE

(1) WALL N. PROBE

EXCAVATION RECORD

SITE: NY CITY HALL EXCAVATOR: Rockmore DATE - BEGIN: 12 July DATE - END: _____

UNIT: _____ LEVEL: _____

Vibration Monitoring Station
East Field Island xx 3'x5'

FEATURE: _____

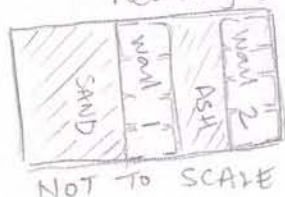
TOP ELEVATION: _____ BOTTOM ELEVATION: _____

UNIT DESCRIPTION: I grass hard gravelly top soil, dry loamy, ceramic tile 20" r
II - hard packed, more pea gravel, at base sprinkler pipe appeared, \approx .95-1.0' b.s.
III. Dark grey, almost black soil, very compact, little to no inclusions (1.3' b.s.)
SOIL TYPE/MATRIX: Did not screen soil, no artifacts of interest, discarded plastic, modern fill, silty loam. Along Eastern boundary of unit appeared large angular stones, possibly wall at 1.65' b.s., N-S
MUNSELL: Another stone along N boundary in center of unit, same elev, likely another wall.
ARTIFACTS:
IV. Sandy fill w/ of wall 1, no inclusions, very loose at 1.7' b.s. - 2.5' b.s.
I. Ashy fill between 2 walls, contained metal, slag, very loose 1.7' - 2.45' b.s.
II. Brownish soil, sandy loam, some metal and brick, started below ash at 2.45' b.s., ends at 3.55' b.s.

NON-ARTIFACTUAL MATERIAL:

ADDITIONAL NOTES - FEATURE DESCRIPTION/INTERPRETATION:

Monitoring station excavated by B. McCarthy using shovel and jackhammer, monitored by L. Geiger and E. Kao. Soil excavated until 2 possible stone walls uncovered along E boundary and center of unit, N-S axis. Walls photo'd and mapped. Ashy soil between two walls, sandy coarse fill west of first wall. Possibly walls associated w/ jail formerly located nearby?



Continued excavation in west half of unit, ended at (strat II) 2.5' below surface. Sandy fill just continued, for now will not go further. Must see if technicians would like to move to new location for monitoring station. No more architectural or historic features in W 1/2, will excavated ashy fill between walls to explore further (strat II). Lots of ash in strat II, some slag. Button recovered from this strat, continued excav. when a new strat was hit, Brownish sandy loam (II). STRAT II excavation ends on top of red sandy soil, similar to strat IV in W 1/2 @ 3.55' b.s.

TYPE OF SAMPLES: _____

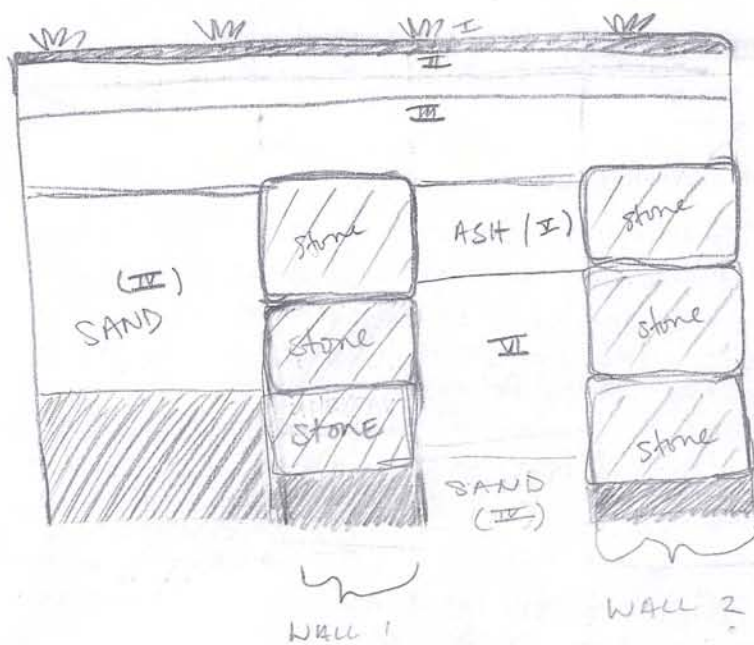
OF ARTIFACT BAGS: _____

PAGE _____ OF _____

See PROFILE SKETCH ON BACK

NORTH PROFILE SKETCH
(IN PROGRESS)

12 July 2010



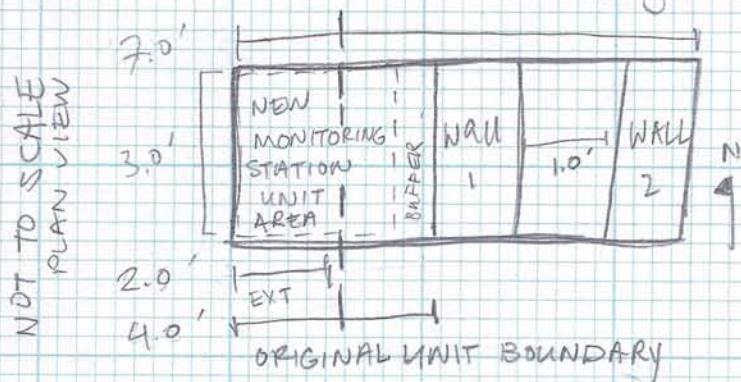
Not to Scale

NY CITY HALL
ROCKMORE

CARVALIS ARCHAEOLOGY
URS ARCHAEOLOGY

13 July 2010 LG, EK
VIBRATION MONITORING STATION
EAST FIELD ISLAND (WEST EXT 3'x3')

Excavation of 3' x 3' Area west of wall #1 discovered 12 July for monitoring station; extension of about 1.5' from original western boundary, with about .5' cushion between new extension and west edge of wall #1, total extension is $\approx 2.0'$ west of original unit west wall boundary, w/ .5' cushion



for when cement is poured in so it is not up against wall room for a buffer to be installed, new ext is 4.0' from wall #1 extension excavated by strats, randomly screening soil. Stratigraphy following the rest of the unit

I - grassy humic layer

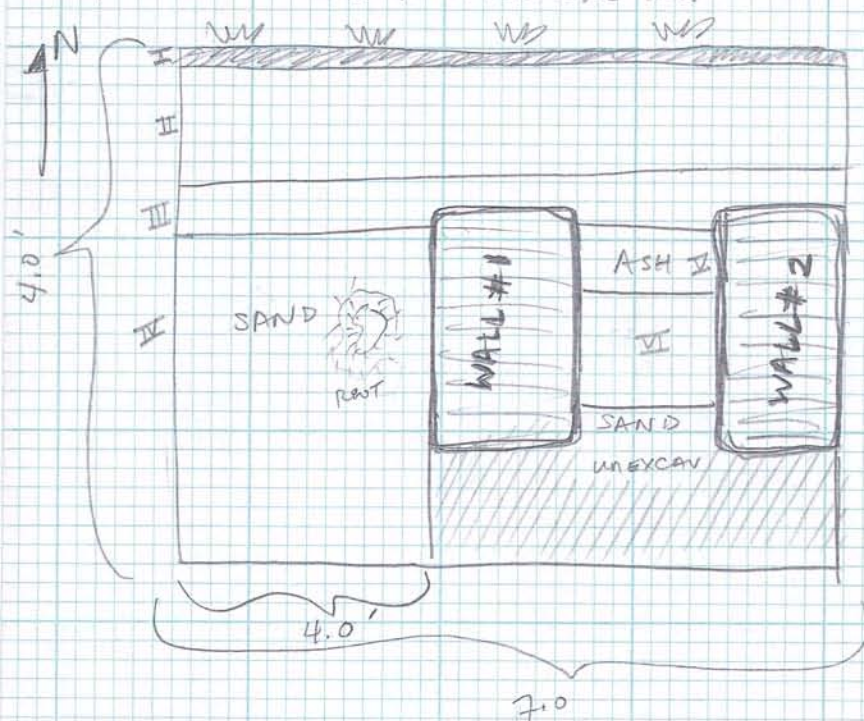
II - hard packed, gravelly fill some brick frags

III - Dk gray, hard packed, red ware frag, glass

IV - Reddish sandy fill, loose

Ashy fill isolated to wall area of unit

NOT TO SCALE PROFILE SKETCH

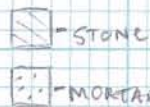
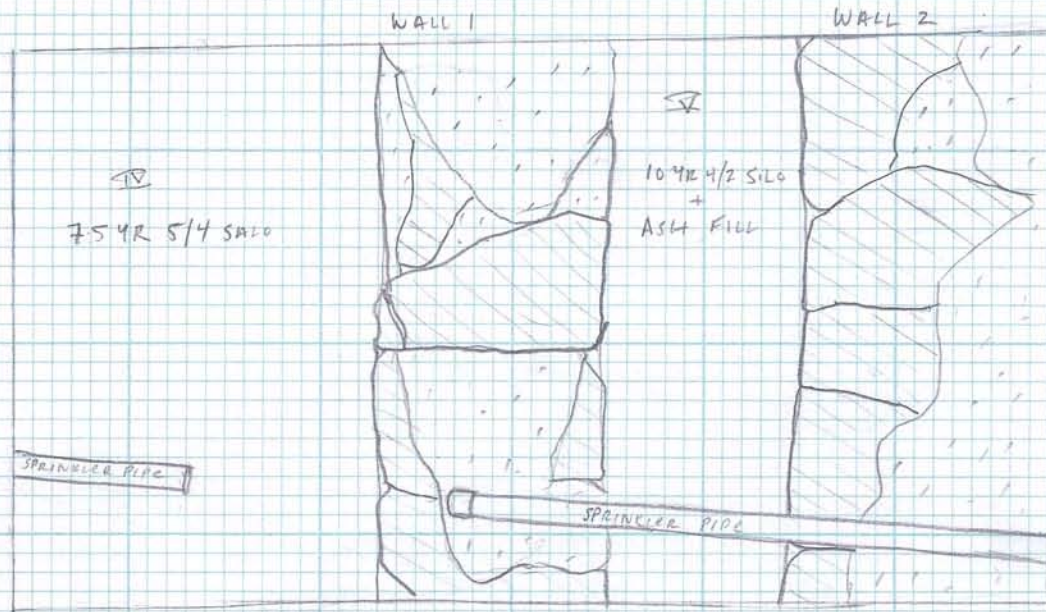


CITY HALL PARIL
VIBRATION MONITORING STATION
CAST FIELD ISLAND

P. 3 OF 3

7/12/10
LG, ER

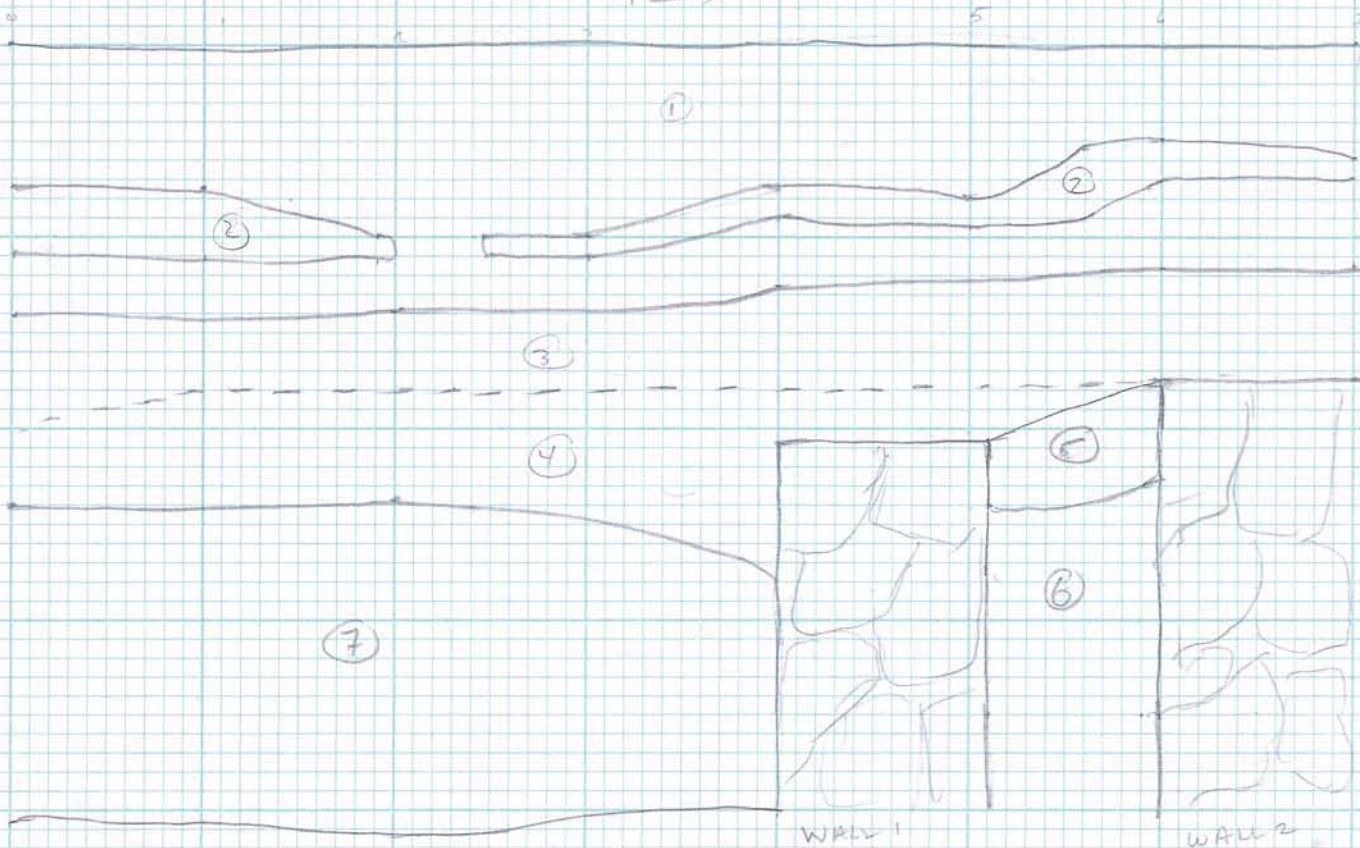
PLANVIEW IN PROGRESS



- ① STRAT II 10 YR 4/3 SISA MOTTLED W/ 10 YR 5/6 SISA
- ② (REMOVED) 10 YR 3/1 SALG
- ③ STRAT III 10 YR 3/1 SALG
- ④ (REMOVED) 10 YR 4/4 SA, 10 YR 3/1 SALG LEACHING

- ⑤ STRAT IV 10 YR 4/2 SILG W/ ASH
- ⑥ STRAT V 10 YR 4/3 SALG W/ BRICK + COBBLES
- ⑦ STRAT VI 7.5 YR 5/4 SALG

NORTH PROFILE



URS UNIT RECORD FORM

Page of

Project: CITY HALL

Site: Room 6A

Block: T.V. 1

Test Unit #: Room 6A T.V. 1

SW Coordinates: N E

Natural Stratum ☒ Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s)

Unit Dimensions: 4' m x 4' m

Date: 7.12.10

Excavators: DE + E Kroll

Methods: Shovel - Trowel

Mesh: (1/4) (1/8)



Strat I
Lv. 1

FILL - Rubble - Mortar, brick, cobbles. Demolition fill

104R 6/8 sand w/ mortar.

GRAB Sample of window glass. Large chunk of window glass concentrated in SE corner. Metal components, bottle glass

* E. wall collapsed unit is now 3' x 4'



Strat II
Lv.

FILL Darker fill layer

104R 3/1 sand demo fill, mortar brick + cobbles.

olive bottle glass?



Strat III
Lv.

See profiles. sand. 1.54R 4/6 medium sand

NCM

Three sand horizons located

after excavation during profiling
See North + East wall profiles

NCM found in any sand horizon



Strat
Lv.



Strat
Lv.



Strat
Lv.



Strat
Lv.

SUMMARY FORM

SITE Room 6A

BLOCK

Test Unit 1

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

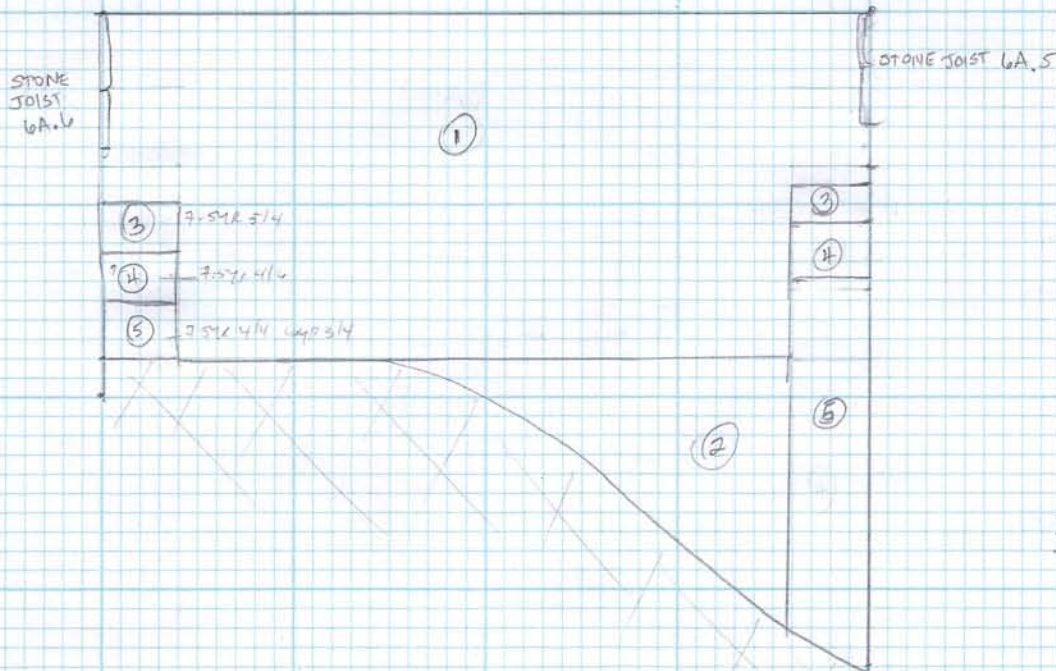
TU 1 is located between Floor Joist 6A.4 & 6A.5 to determine depth of Floor Joist & to see if there was an existing floor beneath the Pill. Floor Joist 6A.4 & 6A.5 are approx. 0.7" to 0.8" below current ground surface. ^{Loose} Demolition Fill is present throughout the unit causing lateral walls to collapse. The 3'x3' TU turned into a 4'x4' test unit. STRAT I had several pieces of window glass or 'lens glass', metal conglomerate & possible jar/bottle glass. STRAT II had one olive bottle glass. No cultural material was found within the sand horizon. We believe the bottom two sand horizons may be natural w/ demolition debris encompassing the center of the unit.

Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

CITY HALL
1963 2074.0000
Room 6A
TEST UNIT 1
NORTH & EAST
PROFILES

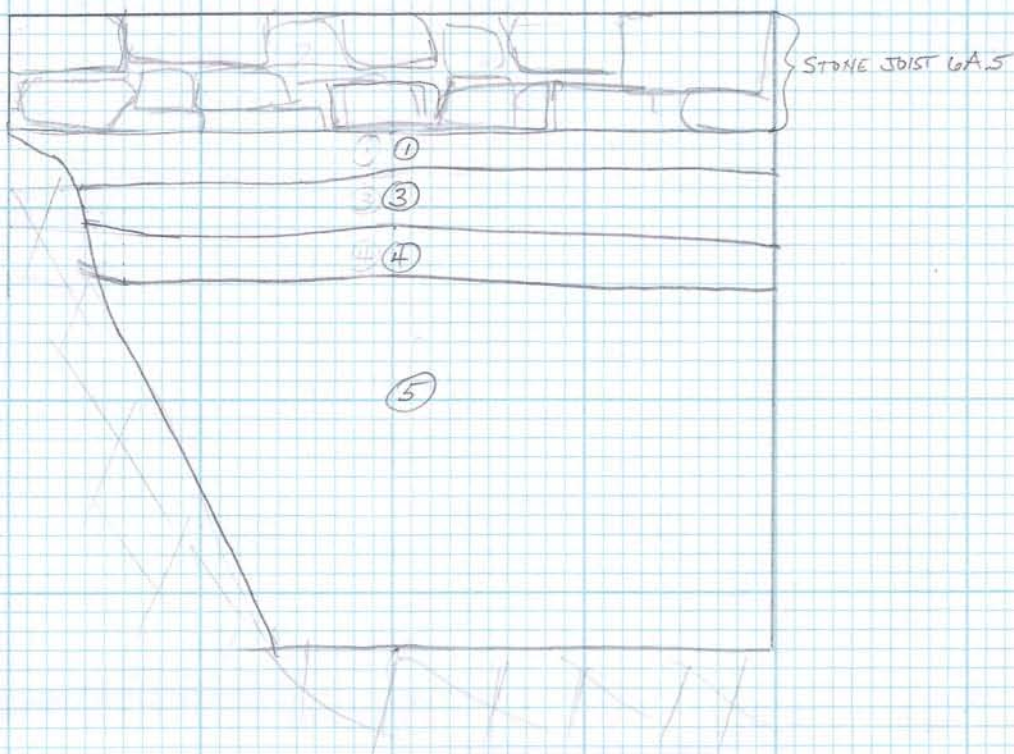
ROOM 6A TU 1 NORTH WALL PROFILE



SCALE
1" = 1' 0"

FILL (1) Demolition Debris 104R 6/2 STRAT I
FILL (2) Demolition Debris 104R 3/1 STRAT II
FILL (3) SAND FILL 7.54R 5/4
C (4) SAND 7.54R 4/6 } STRAT III
C (5) SAND 7.54R 4/4 w/ 104R 3/4

ROOM 6A TU 1 EAST WALL PROFILE

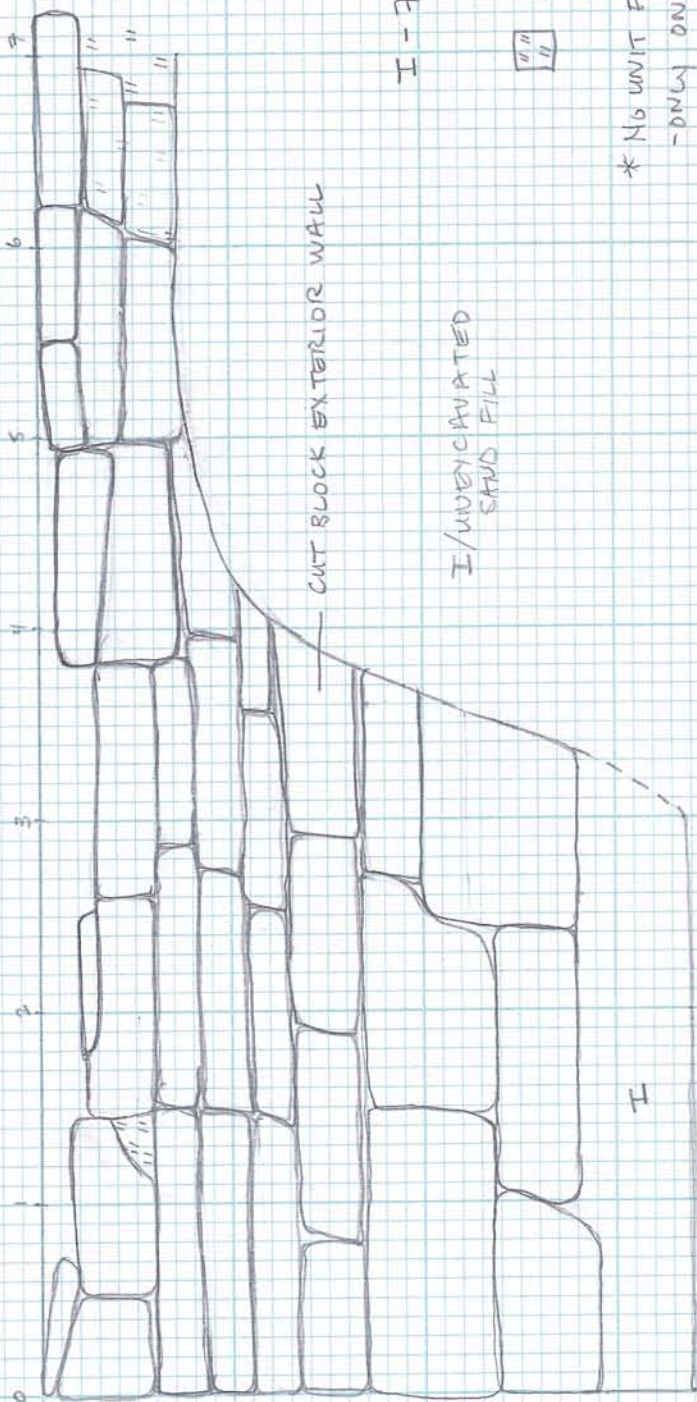


CITY HALL PARK

ROOM 6A

TU 2 6A.1, EAST PROFILE

7/13/10 EKao



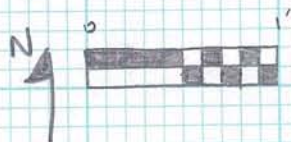
CORNERS w/ wall 6A.3

I - 7.5 YR 3/4 Dark brown
coarse sand, no inclusions

II - MORTAR/SAND

* NO UNIT FORM ASSOCIATED w/ MAP
- ONLY ONE STRAT, ALL SAND

CITY HALL PARK
 ROOM 6A T.O. 2
 6A.3 NORTH PROFILE
 7/14/10 EKao



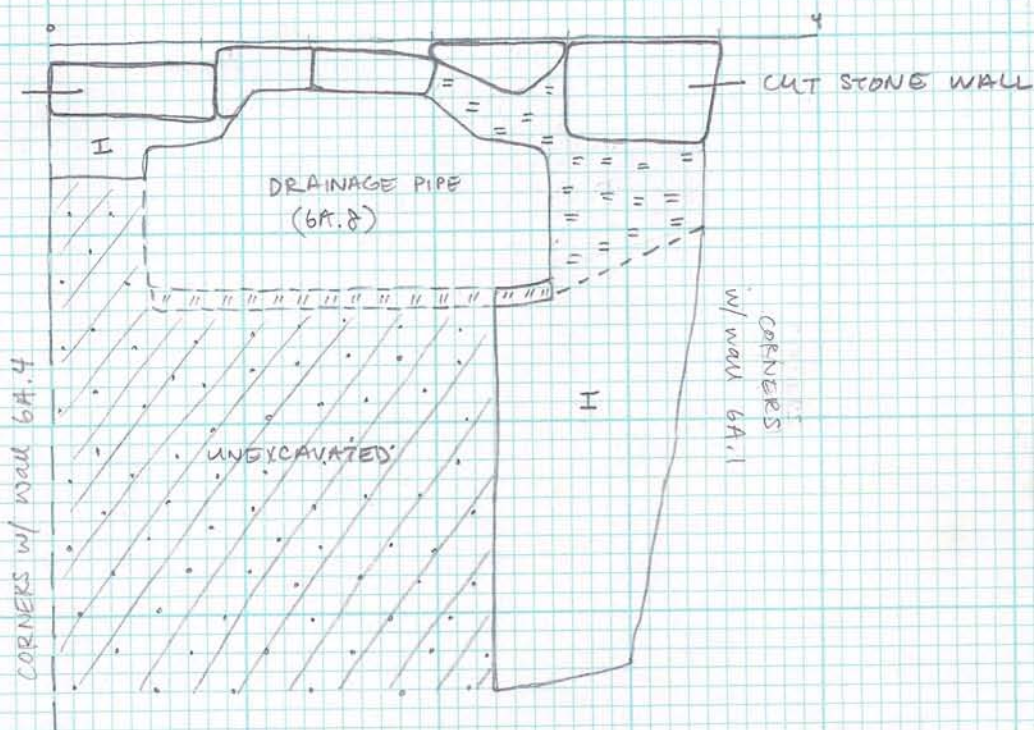
I - 7.5 YR 5/4 Dark Brown
 coarse sand, no inclusions

[diagonal lines] UNEXCAVATED

[horizontal lines] STRAT I w/ small angular
 rock fragments

[dashed lines] MORTAR

* No Unit Form ASSOCIATED
 w/ MAP, "unit" was all
 sand, only 1 strat



URS UNIT RECORD FORM

Page 1 of 2

Project: CITY HALL Site: Room 6A

Block: TU. 3

Test Unit #: Room 6A TU. 3

SW Coordinates: N E

Natural Stratum ☒ Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s)

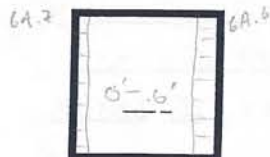
Unit Dimensions: 3.4' x 2.4'

Date: 7/13/10

Excavators: LG

Methods: SHOVEL + TROWEL

Mesh: (1/4) (1/8)



Strat I
Lv.

104R 6/2 SAND

MIXED RUBBLE FILL - BRICK, MORTAR & PLASTER. NOT SCREENED.

BORDERED ON WEST BY WALL 6A.7 & EAST BY WALL 6A.6. NO VISIBLE

ARTIFACTS OTHER THAN BRICK FRAGS (DISCARDED).



Strat II
Lv.

7.54R 5/4 SA

WELL SORTED SAND, V. COMPACT, NOT SCREENED - NO VISIBLE ARTIFACTS

BROUGHT TO DEPTH OF 2.1' TO FULLY REVEAL THE DEPTH OF WALLS, ALL 6A.7

6A.7 + 6A.6.



Strat
Lv.



Strat
Lv.



Strat
Lv.



Strat
Lv.



Strat
Lv.

SUMMARY FORM

SITE CITY HALL PARK

BLOCK ROOM 6A

Test Unit 3

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

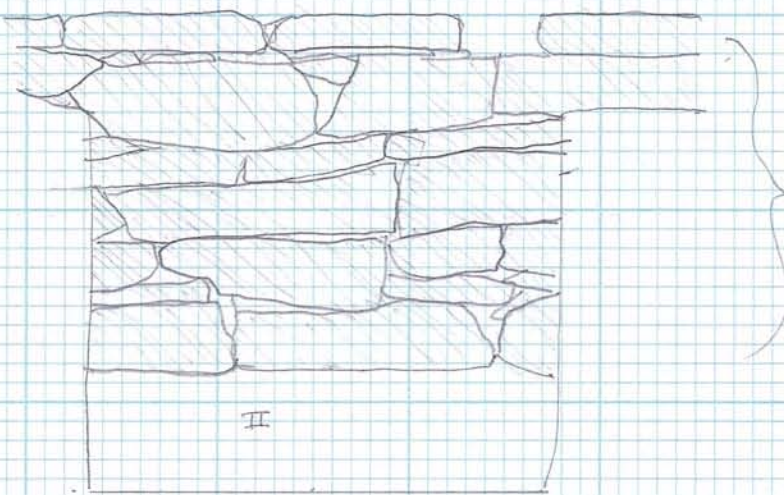
3' FROM SW ROOM 6A CORNER
ORIGINALLY OPENED AS A ROUGH 50cm x 50cm TEST PIT, TO REVEAL THE DEPTH OF
INTERIOR WALL 6A.7 AND DEPTH OF THE RUBBLE FILL VISIBLE @ SURFACE BETWEEN ALL
5 WALLS WITHIN ROOM 6A. SHALLOW RUBBLE FILL (STRAT I) ALLOWED EASY EXPANSION
OF UNIT TO WALL 6A.6 TO THE EAST. WALL 6A.6 TERMINATES @ .65', ROUGHLY
THE SAME DEPTH AS STRAT I, AND SITS UPON STRAT II SANDY CLEAN
CONSTRUCTION FILL. WALL 6A.7 TERMINATES @ 1.9' WITHIN STRAT II. UNLIKE
TU 1, WHICH HAD SEVERAL SANDY FILL LEVELS, TU 3 STRAT II ENCOMPASSES A
SINGLE SAND FILL DEPOSIT.

Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

CITY HALL PARK
ROOM 6A
T.H.S.
7/13/10
EG

WEST PROFILE



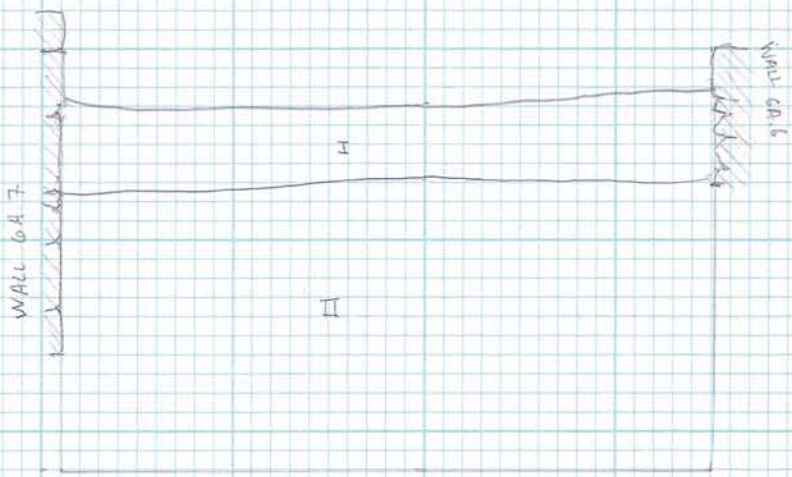
WALL 6A.7

KEY:

- I - 10 YR 6/8 SA w/ BRICK & MORTAR INCLUSIONS
- II - 7.5 YR 5/4 SA

STONE

NORTH PROFILE



URS UNIT RECORD FORM

Page ___ of ___

Project: CITY HALL

Site: Room 6A

Block: T.V. 4

Test Unit #: T.V. 4

SW Coordinates: N E

Natural Stratum ☒ Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s)

Unit Dimensions: 3' m x m 4'

Date: 7-14-10

Excavators: EX-10 & KIM USA G. & Libners

Methods: Shovel + shovel

Mesh: (1/4) (1/8)



Strat I

Lv.

4.54R 5/4 SAND w/ BRICK MORTAR + COBBLE FILL CONTAINING SLIGHTLY
DEEPER (.2') IN W. HALF OF UNIT
NO cultural material found



Strat

Lv.



Strat

Lv.



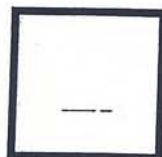
Strat

Lv.



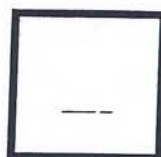
Strat

Lv.



Strat

Lv.



Strat

Lv.

SUMMARY FORM

SITE City Hall

BLOCK Room 6A

Test Unit 4

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

TU 4 is located between Flon Soilst 6A.4 & 6A.5. adjacent to TU 1.

TU 4 was excavated to determine the fill episode between 6A.4 & 6A.5 & if it

is similar to the darker matrix & rubble debris fill episode located in T.U 1

TU 4 has a similar sandy matrix as TU 3 located in the SW corner of the

room. The darker rubble fill is only located between 6A.5 & 6A.6

NO cultural material was ever found in TU 4 sandy 7.5% matrix

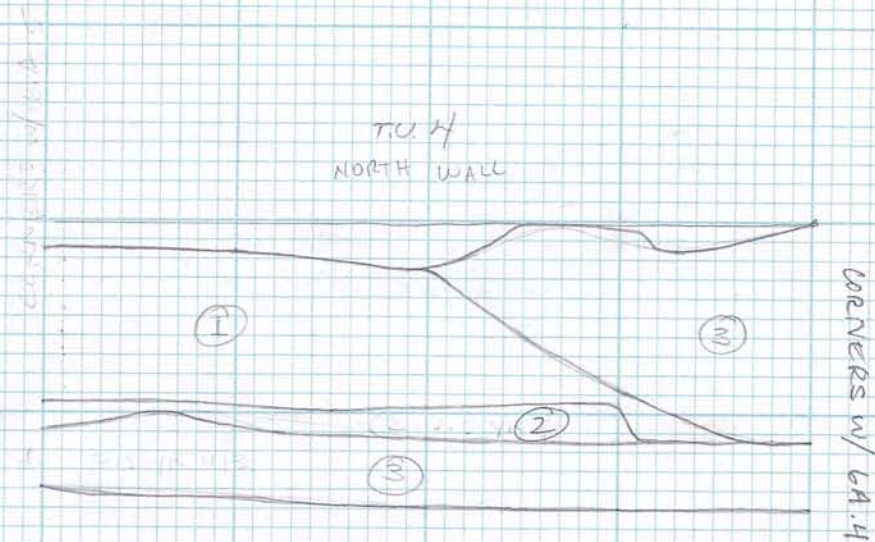
Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

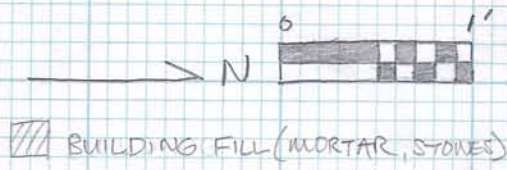
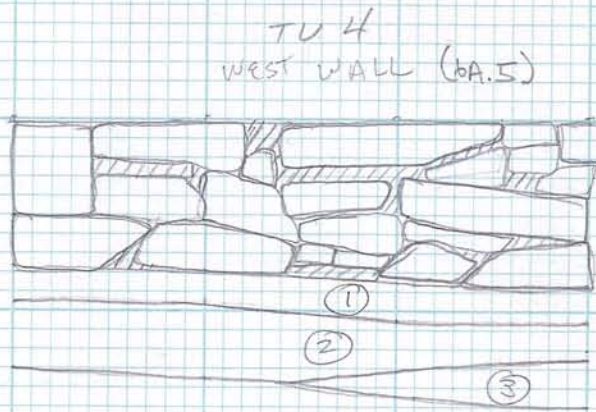
CITY HALL
Room 6A
TU 4
North & West
Profiles
S. 1000 1.6



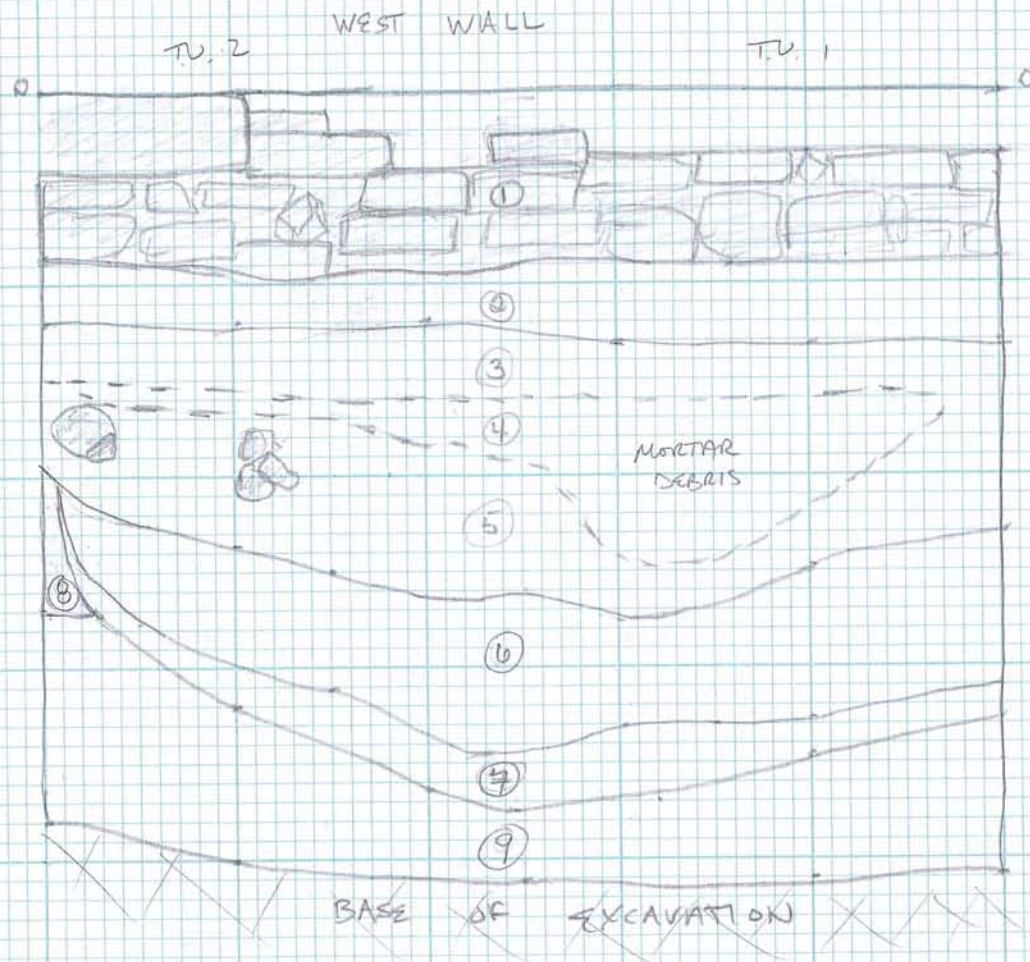
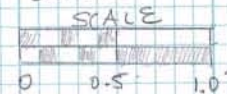
1. DEMO FILL (bits)
2. Sand 7.5 YR 5/4
3. Sand 7.5 YR 4/3



1. DEMO FILL (bits)
2. Sand 7.5 YR 5/4
3. Sand 7.5 YR 4/3



CITY HALL
 19632094.08000
 ROOM 8C
 TV-1 & 2
 WEST WALL
 Profile
 7.10.10
 Dr. EK



- ① STONE w/ BRICK Floor Joist
 STRAT II ② 7.54R 4/4 fine sand
 STRAT III { ③ 7.54R 3/4 dk. brown coarse sand
 ④ 7.54R 4/3 brown coarse sand
 ⑤ 7.54R 3/3-3/4 coarse sand
 STRAT IV { ⑥ 7.54R 4/4-4/6 coarse sand
 ⑦ 7.54R 3/4 dk. brown coarse sand
 ⑧ 7.54R 4/1 w/ 4/4 coarse sand
 STRAT I ⑨ 7.54R 3/4 coarse sand

URS UNIT RECORD FORM

Page ___ of ___

Project: City Hall PARK Site: Room 8C
 Test Unit #: 8C, TU 1
 SW Coordinates: N E
 Natural Stratum Arbitrary Level ()
 Circle: (Metric) (Tenths)
 Datum: Surface / String Coordinates: (NA)
 FS Number(s)

Block: TU 1

Unit Dimensions: 2' x 3.2'
 Date: 7/15/10
 Excavators: B. McLarney
 Methods: Shovel + trowel
 Mesh: (1/4) (1/8)



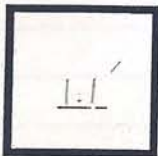
Strat I
Lv. I

Fill, Rubble All mixed w/ sand, brick/mortar, cobbles
Demo fill w/ slate frags and ceramic tiles
Bone artifacts (1 bag)



Strat II
Lv. I

Sand, coarse and somewhat compact, no inclusions
bones, nail



Strat III
Lv. —

sandy fill, large chunks of brick/mortar throughout, some
gravel, void discovered left by decayed wood. Strat slopes down
southward. Can see in profile, N wall - strat is thin. Small - strat is thick
bone button blanks, pipe stems, bone, saltglazed stoneware, tinglaze
glass, pin, redware, whiteware, shell sampled, lice comb



Strat IV
Lv. —

sandy fill, less brick and mortar than strat III w/ other building
material
discarded charcoal
bone, stoneware, bone blanks, nails, glass, small mammal tooth, redware
pipe bowl frag, fabric, pin, tinglaze, glasses frame



Strat —
Lv. —



Strat —
Lv. —

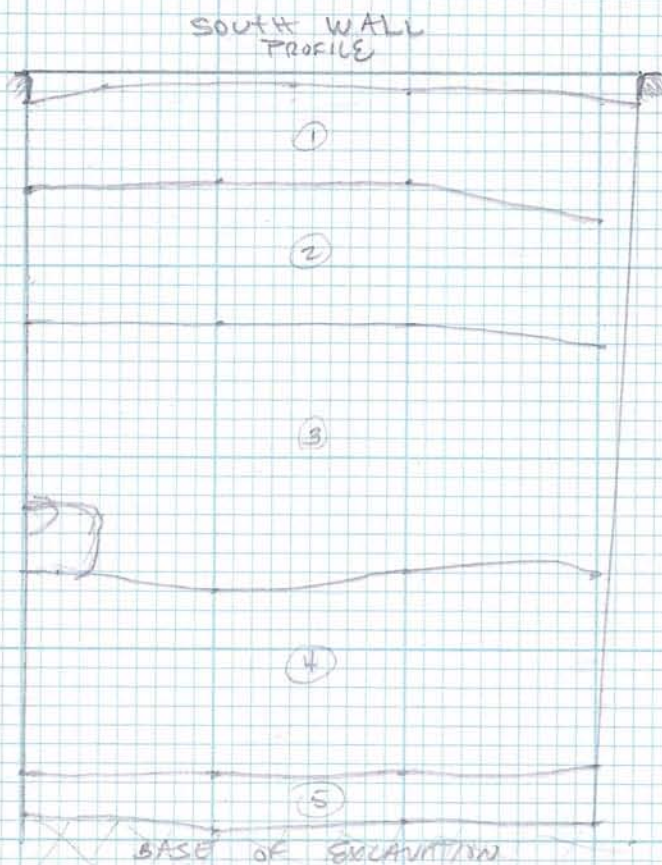


Strat —
Lv. —

CITY HALL
 1963 2094.5mm
 ROOM 8C
 T.O. 1
 South Wall
 1. Profile
 9.15.10

SCALE
 0 0.5 1.0

ERKILLERAO
 D. Eichinger
 A. Lange



- ① STRAT II 10YR 3/6 Dark yellowish brown coarse sand rubble fill
- ② STRAT II 7.5YR 4/4 Brown coarse sand fill
- ③ STRAT III 7.5YR 3/3 Dark brown coarse sand ALMOST HOMOGENEOUS MIDDLE DEPOSIT
- ④ STRAT } IV 7.5YR 3/4 Dark brown coarse sand
- ⑤ STRAT } MOTTLED 10YR 4/3 Brown coarse sand

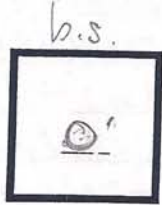
URS UNIT RECORD FORM

Page of

Project: CITY HALL PARK Site: Room 8C
 Test Unit #: 2
 SW Coordinates: N E
 Natural Stratum Arbitrary Level ()
 Circle: (Metric) (Tenths)
 Datum: Surface String Coordinates: (NA)
 FS Number(s)

Block:

Unit Dimensions: 2' x 2'
 Date: 7/15/10
 Excavators:
 Methods: shovel + trowel
 Mesh: (1/4) (1/8)



Strat I
 Lv.

Fill/Rubble between 8C.5 and 8C.6. Removed and not screened



Strat II
 Lv.

Sandy fill beneath rubble, no inclusion, not screened 7.5 YR 4/4 fine sand



Strat III
 Lv.

Mortar/Brick, later decided to be a midden, densely packed w/ artifacts, however not as dense as TU.1, same strat. Strat slopes upward from E-W, N-S 7.5 YR 3/4 coarse sand, 7.5 YR 4/3 coarse sand + mortar



Strat IV
 Lv.

more homogeneous soil beneath strat III, very little mortar, slopes upward from N-S, strat not very thick 7.5 YR 4/4 - 4/6 coarse sand



Strat V
 Lv.

excavated as strat IV but from profile, can see it as a diff. strat. In profile there is another strat not previously recognized. Similar to strat IV but more pea gravel. 7.5 YR 4/4 - 3/4 very coarse sand



Strat
 Lv.



Strat
 Lv.

SUMMARY FORM

SITE CITY HALL PARK

BLOCK Room 8C

Test Unit 2

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

Unit was extension of TU 1. Discovered midden in TU 1, this TU opened to explore extent of midden. Located between floor joists. First 2 strats were not screened as they contained no artifacts in TU 1, mainly just fill. Strat III was screened (midden) and artifacts collected. Bone was abundant but artifact density decreased from same strat in TU 1. Sandy soil, w/ less mortar appeared in the SW fairly quickly. In profile, strat III slopes downward from W-E, supporting basin shape of midden that can be seen in the W. wall profile. Strat IV was not as apparent during excavation as it was in TU 1, light ashy sand (strat IV) appeared almost immediately after start of strat IV. Excavation of TU 2 ends w/ strat IV. Walls and floors were cleaned for photos and mapping. South profile view of TU 2 is different from S. profile view of TU 1 as the shape of midden changed as we progressed Southward. Center of midden seems to encompass South half of TU 1 and a small portion of N $\frac{1}{2}$ of TU 2.

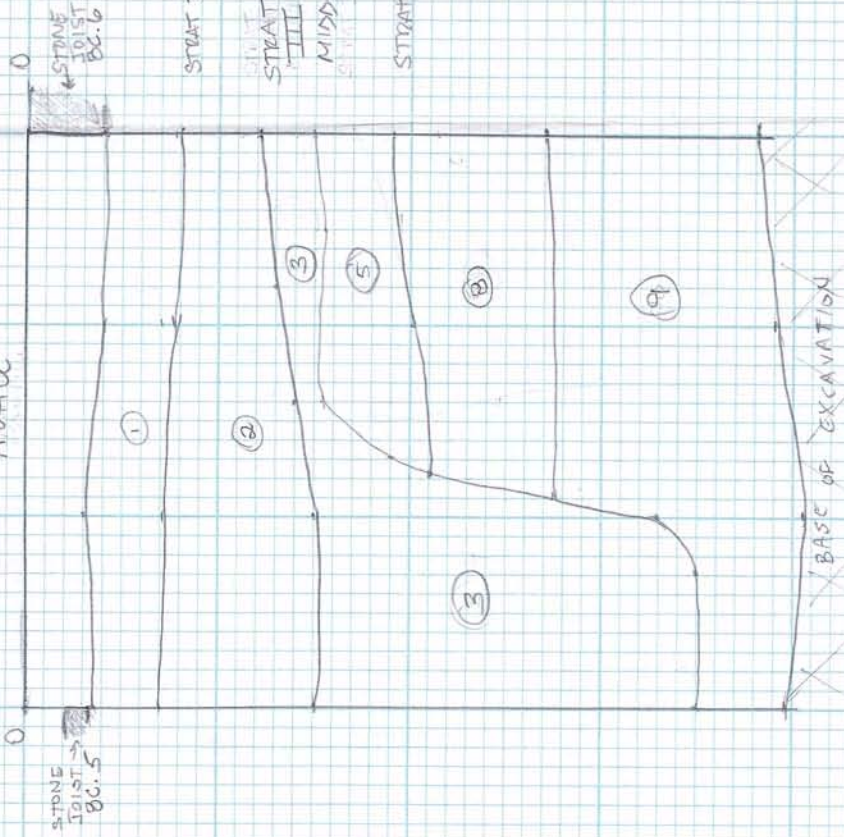
Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

CITY HALL
1943074 0000
ROOM 8C
T.U. 2
SOUTH WALL
Profile
7.16.10
EK EK



T.U. 2
SOUTH WALL
Profile



STRAT II

STRAT III

STRAT IV

STRAT V

STRAT VI

STRAT VII

STRAT VIII

STRAT IX

STRAT X

STRAT XI

STRAT XII

STRAT XIII

STRAT XIV

STRAT XV

STRAT XVI

STRAT XVII

STRAT XVIII

STRAT XIX

STRAT XX

STRAT XXI

STRAT XXII

STRAT XXIII

STRAT XXIV

STRAT XXV

STRAT XXVI

STRAT XXVII

STRAT XXVIII

URS UNIT RECORD FORM

Page ___ of ___

Project: CITY HALL

Site: Room 8C

Block: TOL 3

Test Unit #: 3

SW Coordinates: N E

Natural Stratum ✓ Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface String Coordinates: (NA)

FS Number(s)

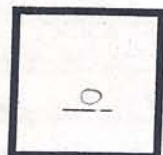
Unit Dimensions: m x m

Date: 7/16/10

Excavators:

Methods: Shovel + trowel

Mesh: (1/4) (1/8)

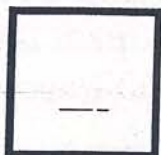


Strat I
Lv.

BUBBLE FILL

Excavated w/ shovel, not screened

NCM



Strat II
Lv.

SAND, somewhat compact, no inclusions

NCM



Strat III
Lv.

mortar/brick/sand - very compact, excavated by shovel, w/ crowbar to help loosen soil.

Possible midden deposit

bottle glass nail, ceramic, bone blank, bone



Strat IV
Lv.

Sand - coarse, no inclusions, somewhat compact only located in NW of unit, truncated by midden

7.5 yr 1/4

NCM



Strat V
Lv.

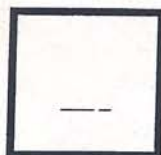
very coarse sand w/ gravel and cobbles

7.5 yr 1/4 - 5/6

NCM



Strat
Lv.



Strat
Lv.

SUMMARY FORM

SITE CITY HALL

BLOCK Room 2C

Test Unit 3

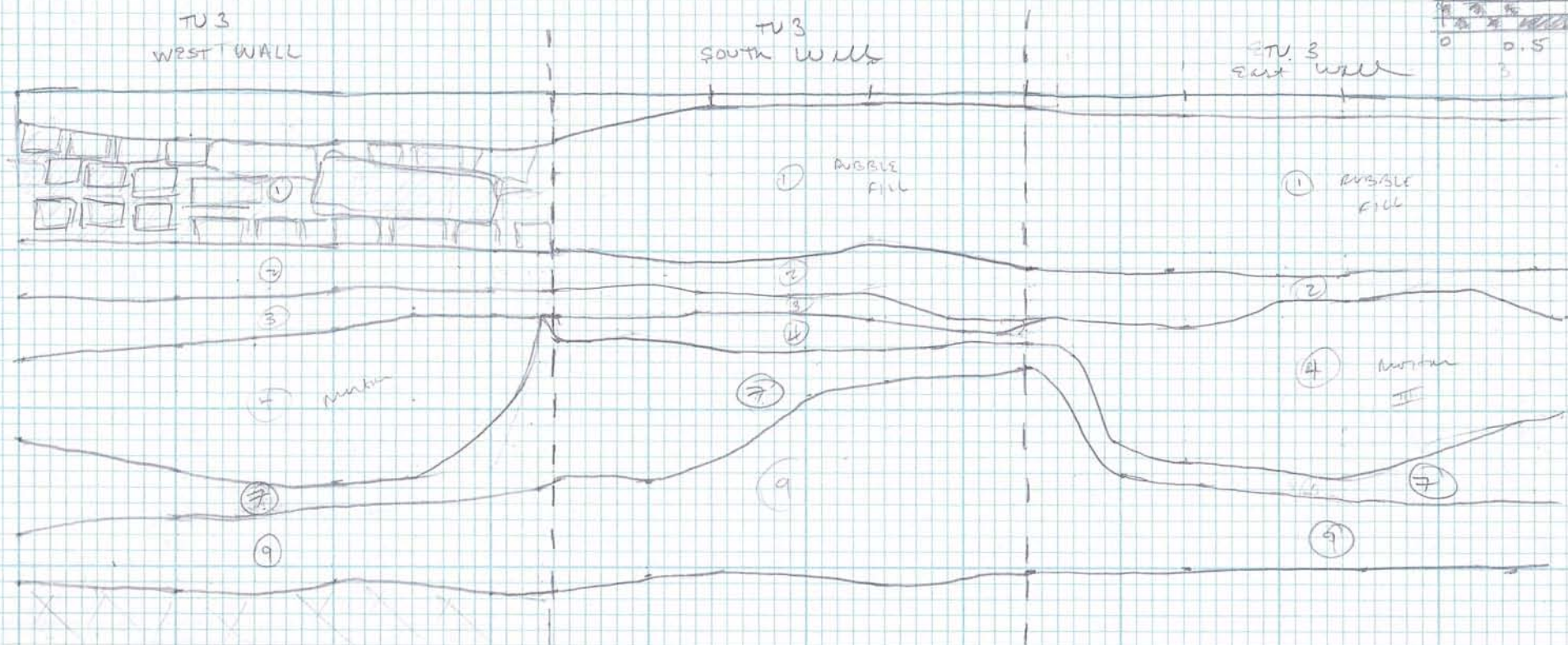
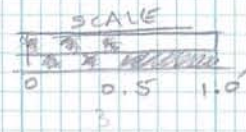
Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

Unit placed west of SC.6, straddling boundary between TU1/TU2. Placed to explore extent of midden to the west and reveal general stratigraphy of soils not within area of floor joists. Strat I and II removed w/o screening. Below strat II was a very compact mortar + sand strat. Scraping floor clean we did not see an edge, so midden extends past unit boundary. Continuing towards bottom of strat III, mortar receded towards the East, likely that the central base of midden is underneath SC.6. Beneath strat III soil, strat IV is present across most of the floor w/ strat IV appearing only in the NW of the unit. Possible that midden truncated strat. IV resulting in the uneven nature of that depositional layer, unit ended in coarse sand w/ round cobbles, sterile strat V.

Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

CITY HALL
ROOM 3C
TU. 3 West
South to East
Profile
7.10.10
E.L. E.L.



- ① 104R 3/4 Rubble fill - gravelly, coarse, bricks/mortar and other building materials
- ② 7.5YR 4/4 fine sand
- Strat III { ③ 7.5YR 3/4 dk brown coarse sand
- ④ 7.5YR 4/3 brown coarse sand and mortar
- Strat IV { ⑦ 7.5 YR 4/1 w/ 4/4 coarse sand
- Strat V { ⑨ 7.5 YR 3/4 coarse sand w/ gravel and cobbles.

URS UNIT RECORD FORM

Page ___ of ___

Project: CITY HALL PARK Site: Room 8C Block: T1/4
 Test Unit #: _____
 SW Coordinates: N _____ E _____
 Natural Stratum ☒ Arbitrary Level _____ ()
 Circle: (Metric) (Tenths)
 Datum: Surface / String Coordinates: ()
 FS Number(s) _____

Unit Dimensions: _____ m x m _____
 Date: 7/19/10
 Excavators: _____
 Methods: Shovel + Trowel
 Mesh: (1/4) (1/8)



<u>0</u>	Strat <u>I</u> Lv. _____	<u>RUBBLE FILL, BORDERED BY WALL BC.1 to E, BC.2 to N, BC.3 to W.</u> <u>NOT SCREENED</u>
<u>1.2'</u>	Strat <u>II</u> Lv. _____	<u>Sand - reddish brown sand below rubble, typical of other units in room 8C. Sand excavated deeply. Depth extends past depth at which midden was discovered.</u> <u>not screened</u>
<u>1.9'</u>	Strat <u>III</u> Lv. _____	<u>very coarse sand, sterile</u> <u>not screened</u>
<u>---</u>	Strat _____ Lv. _____	
<u>---</u>	Strat _____ Lv. _____	
<u>---</u>	Strat _____ Lv. _____	
<u>---</u>	Strat _____ Lv. _____	

SUMMARY FORM

SITE CITY HAN

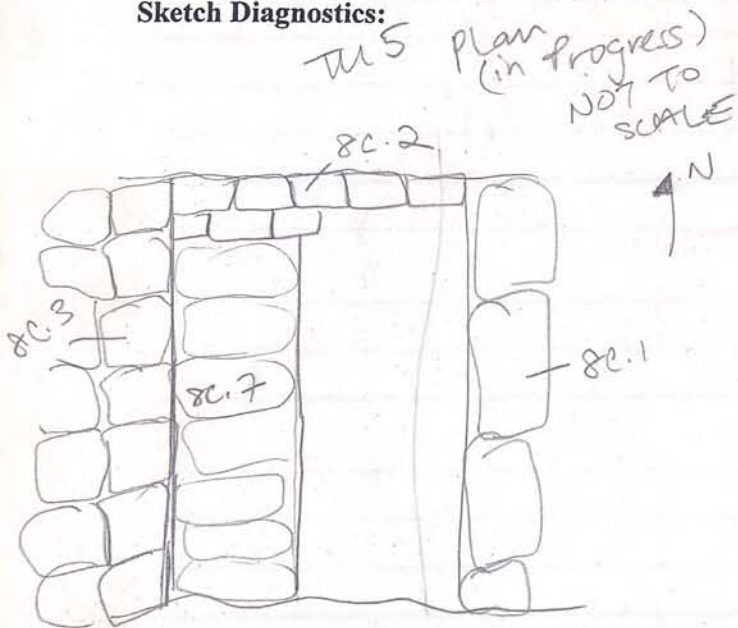
BLOCK Room 8C

Test Unit 4

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

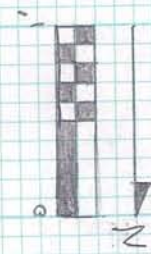
TU placed between walls 8C.1 and 8C.3, just south of 8C.2. - purpose is to identify depth of exterior wall (8C.1) and brick connector (8C.2). Brick was only one course, 8C.1 is made up of many courses, much deeper than other floor joists in this room ($\approx 2.0'$). Along 8C.3 uncovered another structural feature about .5' below top of floor joist 8C.3. Depth of feature is $\approx 1.5'$, and it extends $\approx 1.0'$ East of 8C.3, named Fea. 8C.7. Rubble fill excavated first, not screened. Removal revealed reddish sand, strat II, similar to previous units. No artifacts recovered as strat II was not screened. If cultural material was to be found would be below strat II however this TU did not contain cultural deposit similar to midden found in TU 1-3. Below strat II was clean very coarse sand and cobbler (strat II in prev. units), sterile level, Excavation ended here.

Sketch Diagnostics:

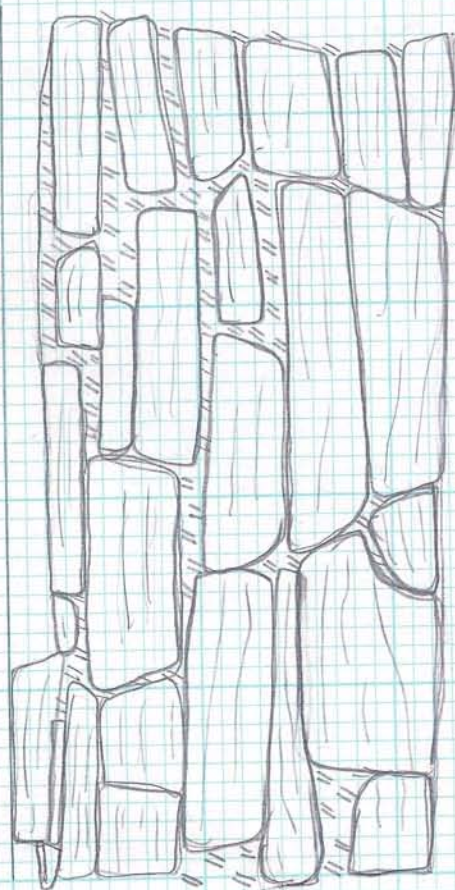


Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

CITY HALL PARK
Room 8C
TU 4
WALL PROFILES
7/19/10 Ekar



8C.1 EAST PROFILE



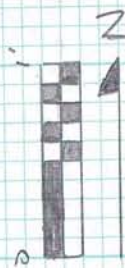
①

②

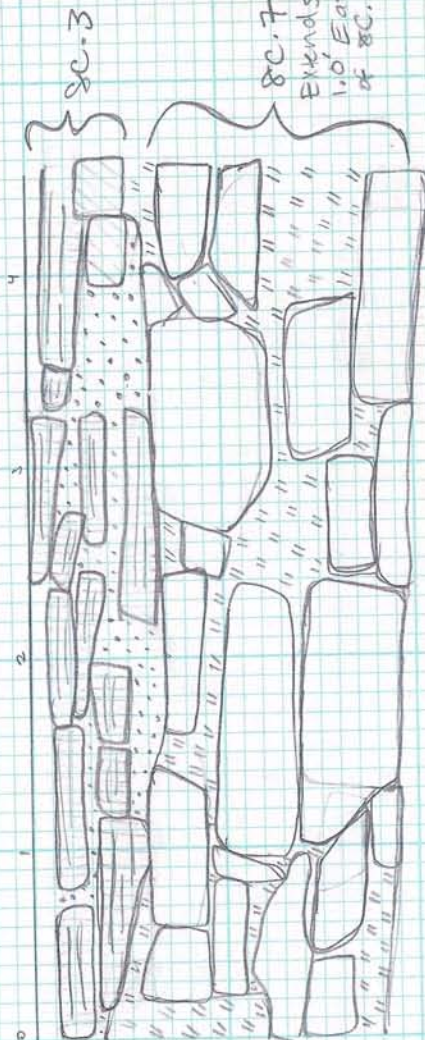
MORTAR
STONE

① 7.5 yr 1/4 coarse sand

② 7.5 yr 1/4 - 5/4 very coarse sand
5/6



WEST PROFILE 8C.3 / 8C.7



8C.7
Extends
1.0' East
of 8C.3

①

②

MORTAR, wall 8C.3
MORTAR, wall 8C.7
STONE, 8C.3
STONE 8C.7

Strat IV ① 7.5 yr 1/4 Sand, coarse

Strat V ② 7.5 yr 1/4 - 5/4 - very coarse sand
5/6

URS UNIT RECORD FORM

Page ___ of ___

Project: CITY HALL Park Site: Room BC
 Test Unit #: 5
 SW Coordinates: N E
 Natural Stratum ☒ Arbitrary Level ()
 Circle: (Metric) ☒ (Tenths)
 Datum: Surface/String Coordinates: ()
 FS Number(s)

Block: TU 5
 Unit Dimensions: m x m
 Date: 7.19.10 - 7.20.10
 Excavators: EK, EK
 Methods: hand shovel
 Mesh: (1/4) (1/8)



Strat
 Lv.

Grubble fill - not screened



Strat II
 Lv.

Sand, very shallow - not screened



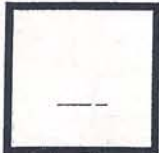
Strat III
 Lv.

cultural deposit - lots of mortar / brick similar to
 midden in TU 1, 2, 3. Ltr 17th through 18th century
 deposit. Salt glaze stoneware, earthenware, 2 King George coins, wooden
 pipe bowl & stem fragments, scratch blue rim sherd, porcelain fragment.



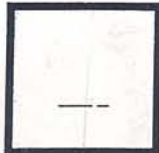
Strat IV
 Lv.

SAND - very coarse some gravel, few artifacts



Strat V
 Lv.

very coarse sand - sterile, some cobble + gravel



Strat
 Lv.



Strat
 Lv.

SUMMARY FORM

SITE CITY HALL PARK

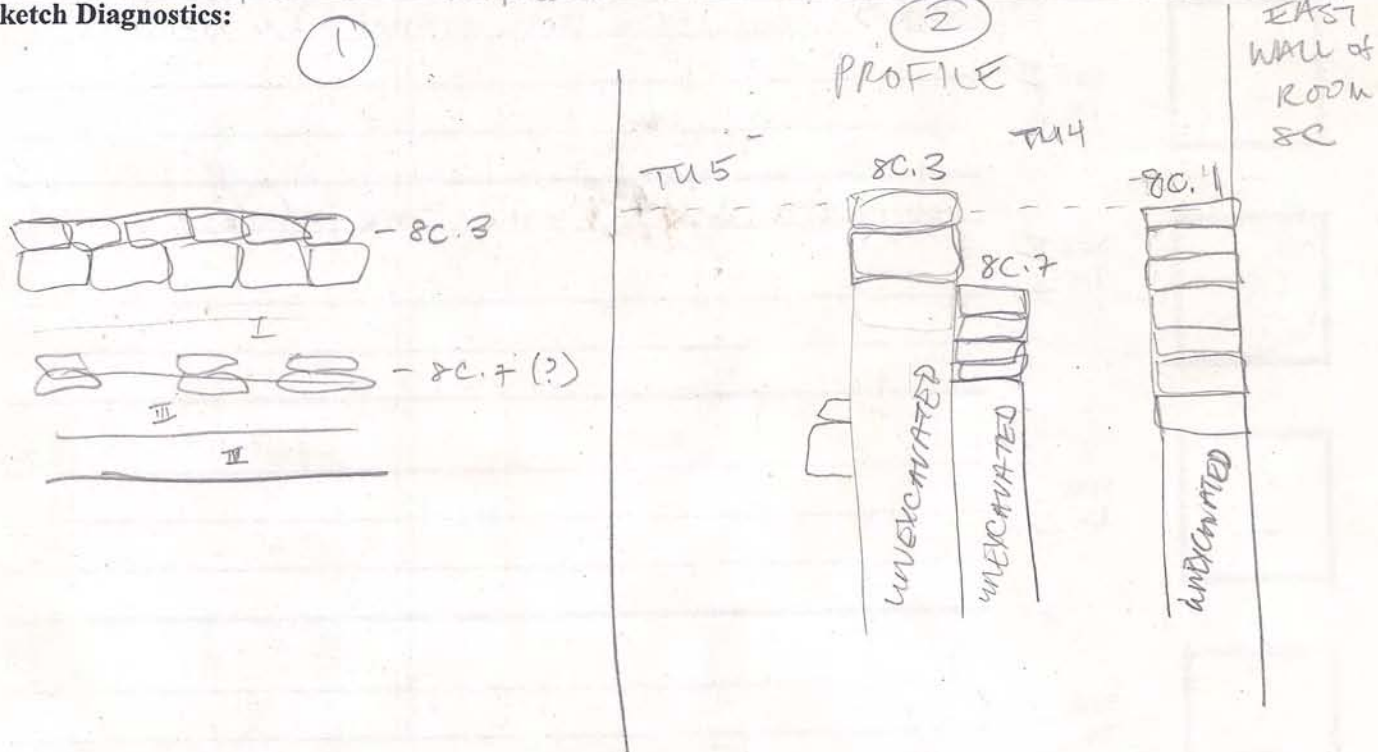
BLOCK Room 8C

Test Unit 5

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

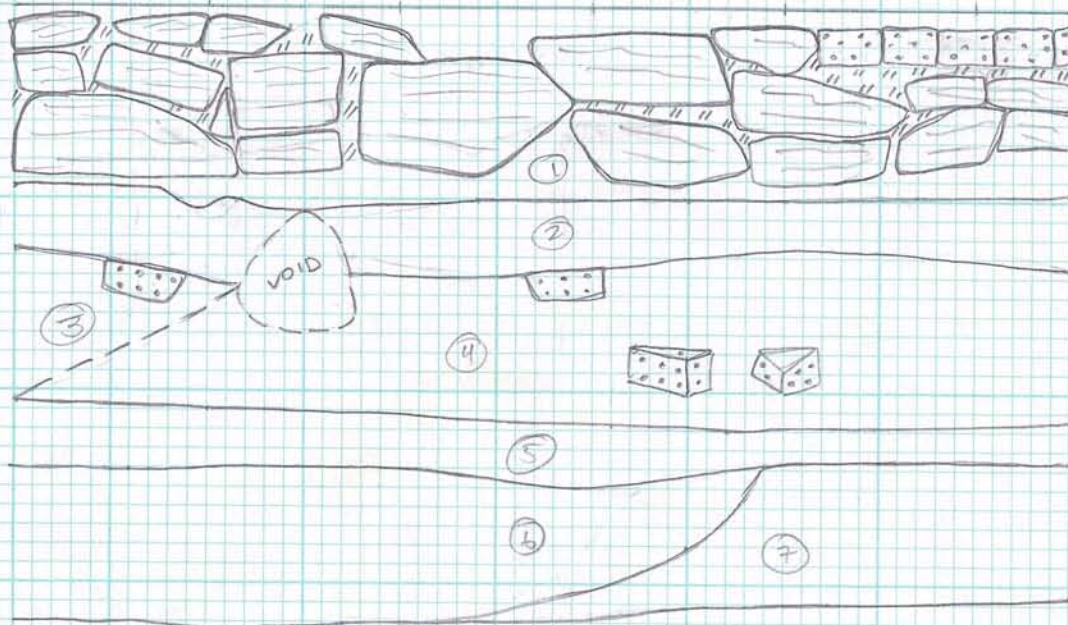
Unit 5 was excavated in order to pursue the west edge of 8C.7 + determine if it is part of city hall or almshouse. Unit was excavated similarly to other TU's in Room 8C. First two strats, Rubble Fill and gravel were not screened. Strat II, as expected was the cultural layer that began screening. Strat II appeared in E. half of unit right below strat I rubble. Strat II did not appear to exist in this part of unit, or was extremely thin and missed during excavation. Instead, of strat II, below strat I in E. 1/2 were large stones, 3 sets of 2 stones (see sketch below). It's possible that they are the western edge of 8C.7 but they were discovered below the top of 8C.7. In TU 4, wall began .5-.6' below surface (top of 8C.3) but in TU 5 the stones appeared $\approx 1.45'$ b.s. (see sketch below #2) Excavation of strat III continues, recovered many artifacts including 2 large pre-revolutionary coins, pipe bowls, almost whole pipes, sketch blue ceramics. Since stones are not wall like and lower than 8C.7 in TU 4, it is likely that stones belong to some sort of footer for 8C.7. Excavation cont'd w/ strat IV and V. Stone soils reached and unit ended w/ coarse sand, clean.

Sketch Diagnostics:



Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

TUS WEST PROFILE (8C.4 WEST PROF.)



Strat I ① RUBBLE FILL - GRAVEL, BRICK FRAGS, MORTAR

Strat II ② COARSE SANDY FILL - VERY FEW INCLUS - 7.5 YR 4/4

Strat III ③ CULTURAL DEPOSIT - MORTAR HEAVY, BRICKS 7.5 YR 3/4

Strat III ④ CULTURAL DEPOSIT - SOME MORTAR, BRICKS 7.5 YR 3/4

Strat IV ⑤ SAND - COARSE - 7.5 YR 4/4

Strat V ⑥ SAND - VERY COARSE w/ cobbles + gravel 7.5 YR 5/4 - 5/6

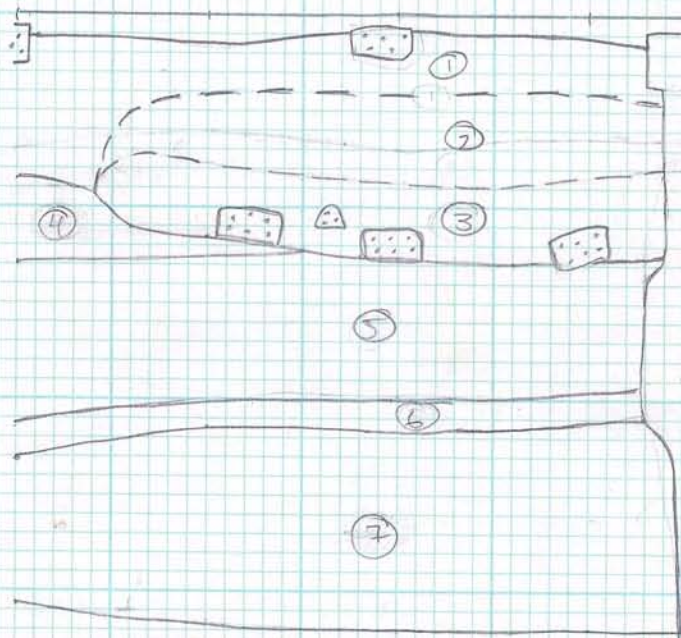
Strat V ⑦ SAND - VERY COARSE, NO GRAVEL 7.5 YR 5/4

▢ BUILDING STONE

▢ BRICK

▢ MORTAR

TUS NORTH PROFILE



Strat I ① RUBBLE FILL - GRAVEL, BRICK FRAGS, MORTAR

Strat I ② SANDY FILL - MORTAR + BRICK

Strat I ③ MORTAR + BRICK, SOME SAND

Strat II ④ SAND - COARSE - FEW/NO INCLUS. 7.5 YR 4/4

Strat II ⑤ CULTURAL DEPOSIT - SANDY, COARSE, MORTAR + BRICK 7.5 YR 3/4

Strat IV ⑥ COARSE SAND 7.5 YR 4/4

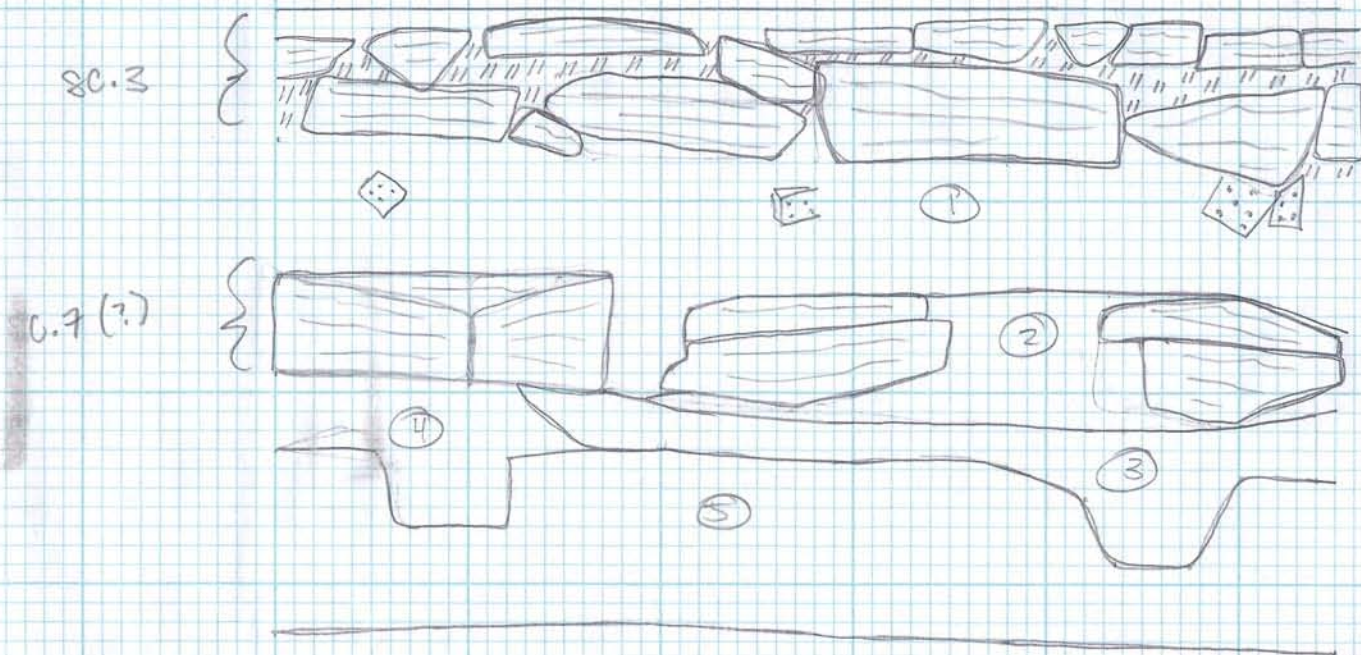
Strat V ⑦ VERY COARSE SAND - NO GRAVEL - 7.5 YR 4/4 - 5/6

▢ BRICK

CITY HALL
ROOM 8C
TU 51C 1A1S
WALL PROFILES
7/10/10 E Kas

CITY HALL
ROOM 8C
TU 5
WALL PROFILE
7/20/10 E Kao

TU 5 EAST PROFILE



Strat I ① RUBBLE FILL - MORTAR, GRAVEL, BRICK FRAGS

Strat III ② CULTURAL DEPOSIT - BRICK, MORTAR, sandy 7.5 YR 3/4 dark brown

Strat IV ③ SAND - SOME MORTAR, COARSE 7.5 YR 4/6 strong brown

Strat II { ④ FILL - BRICK FRAGS, GRAVEL, very coarse 7.5 YR 3/4
⑤ SAND - very coarse, some round cobbles 7.5 YR 4/4 - 5/4
5/6

▬ BUILDING STONE

▬ MORTAR

▬ BRICK

URS UNIT RECORD FORM

Page of

Project: CITY HALL
Test Unit #: 6

Site: Room 8C

Block: TUC

SW Coordinates: N E
Natural Stratum ✓ Arbitrary Level ()
Circle: (Metric) (Tenths)
Datum: Surface / String Coordinates: ()
FS Number(s)

Unit Dimensions: 8' m x m 3.2'
Date: 7/21/10
Excavators: CK, LG, EK
Methods: Hand shovel
Mesh: (1/4) (1/8)



0.85'

Strat I
Lv.

LOOSE RUBBLE FILL w/ MORTAR INCLUSIONS. DISCARDED
w/o SCREENING.

1.4'

Strat II
Lv.

LOOSE SAND FILL UNDERLYING WALLS 8C.3+8C.4.
DISCARDED w/o SCREENING

2.05'

Strat III
Lv.

COMPACT SANDY FILL w/ BRICK & MORTAR INCLUSIONS.
HIGH ARTIFACT FREQUENCY. DIMINISHING MORTAR CONTENT
COMPARED w/ TU. 5, ESPECIALLY WITHIN NORTH 1/2 OF UNIT

2.9'

Strat IV
Lv.

THIN
COMPACT SAND BAND
DISCARDED w/o SCREENING

3'

Strat V
Lv.

MOTTLED SAND FILL
DISCARDED w/o SCREENING
"RAINBOW SAND"

Strat
Lv.

SUMMARY FORM

SITE CITY HALL PARK

BLOCK ROOM 8C

Test Unit 6

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

3' x 32' EXTENSION ADDED NORTH OF T.U. 5 BETWEEN WALLS 8C.3 & 8C.4 TO
TRACE STRAT III DEPOSITION AND POSSIBLE STONE WALL LYING BELOW WALL 8C.3.
STRATS I & II - SAND + RUBBLE FILL LEVELS - REMOVED + DISCARDED w/o SCREENING
STRAT III, MADE OF 2 FILL LEVELS OF SANDY MORTAR + ARTIFACT-RICH BANDS, WAS
SCREENED, w/ CONSISTANT ARTIFACT DEPOSIT AS THIS STRAT III. POSSIBLE STONE
WALL CONTINUES NORTH UNDER WALL 8C.3 ^{BEGINNING} @ 1.2' - 1.4' BELOW SURFACE TO 2'.
UNIT TERMINATES @ 3' IN "RAINBOW SAND" * "STONE WALL" IS PROBABLE
FOOTER FOR FIREPLACE IN T.U. 4 TO THE EAST (FEATURE 8C.7).

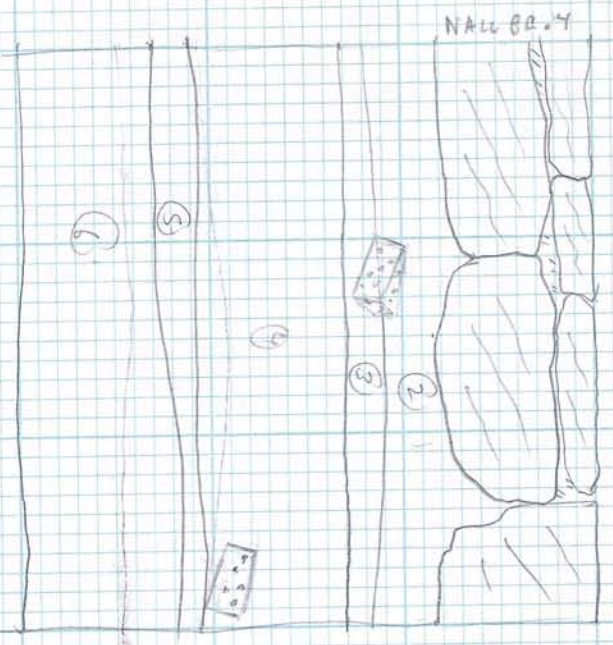
Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

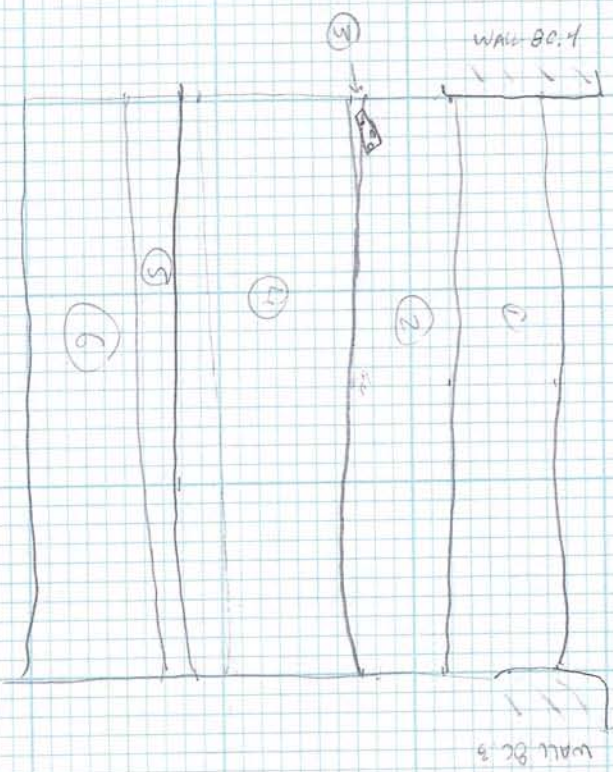
CITY HALL MAP
 ROOM 80
 TIV. 6
 7/2/10



WEST PROFILE



NORTH PROFILE



*TIV. 6 + 8 EAST
 PROFILES DRAWN
 TOGETHER ON
 SEPARATE SHEET

- ① RUBBLE W/ MORTAR, BRICK, MORTAR - STRAT I
- ② 7.5 yr 1/4 coarse sand - STRAT II
- ③ 7.5 yr 3/4 sand w/ mortar + brick inclusions
- ④ 7.5 yr 3/4 sand w/ small amount mortar inclusions
- ⑤ 7.5 yr 1/4 coarse sand - STRAT IV
- ⑥ 7.5 yr 1/4 mortar w/ 7.5 yr 5/6 coarse sand - STRAT V

- 1/4 - MORTAR
- 3/4 - BRICK
- 5/6 - STONE

CITY HALL PARK

ROOM 8C

TU. 6+8

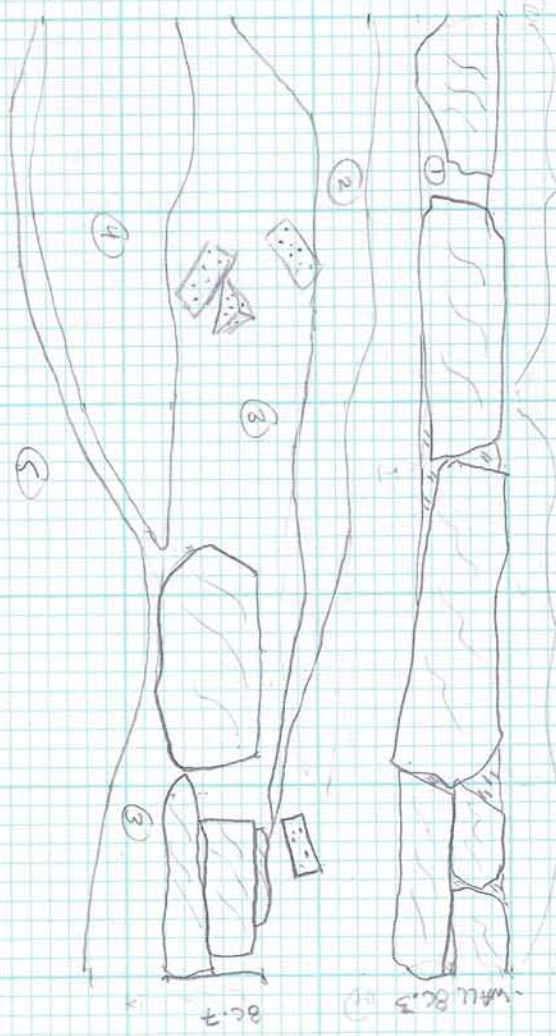
7/22/10



CAST PROFILE

Tu. 8

Tu. 6



(1) RUBBLE FILL - GRAVEL, MORTAR, BRICK - STRAT I

(2) 7.5 yr 4/4 coarse sand - STRAT II

(3) 7.5 yr 3/4 SAND, some lighter, heavy lifting deposition } STRAT III

(4) 7.5 yr 5/4 SAND

(5) 7.5 yr 4/4 mortar w/ 7.5 yr 5/4 w/ 7.5 yr 5/6 coarse sand - STRAT IV

[S] - STONE

[B] - BRICK

[M] - MORTAR

URS UNIT RECORD FORM

Page of

Project: CITY HALL Site: ROOM 8C Block: TU 7
 Test Unit #: 7
 SW Coordinates: N E
 Natural Stratum ☒ Arbitrary Level ()
 Circle: (Metric) (Tenths)
 Datum: Surface / String Coordinates: (NA)
 FS Number(s)

Unit Dimensions: 3.2 m x m 3.0
 Date: 7/21/10
 Excavators: EK, LG, EK
 Methods:
 Mesh: (1/4) (1/8)



0

Strat I
Lv.

Rubble Fill - MORTAR, BRICK, BUILDING STONES
 20th Century Items, all fill
 not screened

1.0

Strat II
Lv.

SAND - Coarse, clean no inclusions
 7.5 yr 4/4
 not screened

1.3

Strat III
Lv.

CULTURAL DEPOSIT - lots of brick/mortar
 Thicker Deposit towards Northern end of unit, ended
 quickly in southern half
 bone, bone button, glass

2

Strat IV
Lv.

SAND - coarse, sterile, somewhat compact
 7.5 yr 4/4

2.3

Strat V
Lv.

SAND - VERY COARSE, multicolored w/ some cobbles
 Sterile - 7.5 yr 4/4, 5/4, 5/6, very loose

Strat
Lv.

Strat
Lv.

SUMMARY FORM

SITE CITY Hall

BLOCK Room 2C

Test Unit 7

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

Test Unit is extension to south of TU 5 to explore artifact deposits and extent of footer of Fca 2C.7. Excavation began as usual, rubble fill and sand discarded. Strat III began screening. Artifact density decreased distinctly. While excavating this strat, noticed that soil deposit decreased in southern half of the unit while northern half still contained heavy amounts of mortar. Looking at W profile during excavation could see that there was a distinct shape to the strat. Seems that mortar/sand was midden trench deposit first discovered in TU's 1-3. On the surface location of units 1, 3 and 7 and midden deposit seem to line up perfectly. Also in strat III, discovered more footer stones along the E profile. Depth of the stones were similar to others found in TU's 5 and 6, $\approx 1.55'$ b.s. and look to be same material. After completing strat III, strats IV and V were excavated. Both strats produced no artifacts, unit completed.

Sketch Diagnostics:

In Progress PLAN VIEW (Strat III)
@ $\approx 1.8'$ b.s.



NOT TO SCALE

In Progress W profile



not to scale

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

SUMMARY FORM

SITE CITY Hall

BLOCK Room 2C

Test Unit 7

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

Test Unit is extension to south of TU 5 to explore artifact deposits and extent of footer of Fca 2C.7. Excavation began as usual, rubble fill and sand discarded. Strat III began screening. Artifact density decreased distinctly. While excavating this strat, noticed that ~~strat~~ deposit decreased in southern half of the unit while northern half still contained heavy amounts of mortar. Looking at W profile during excavation could see that there was a distinct shape to the strat. Seems that mortar/sand was midden trench deposit first discovered in TUs 1-3. On the surface location of units 1, 2, 3 and 7 and midden deposit seem to line up perfectly. Also in strat III, discovered more footer stones along the E profile. Depth of the stones were similar to others found in TUs 5 and 6, $\approx 1.55'$ b.s. and look to be same material. After completing strat III, strats IV and V were excavated. Both strats produced no artifacts, unit completed.

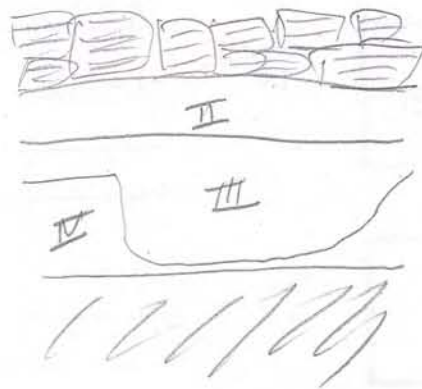
Sketch Diagnostics:

In Progress PLAN VIEW (Strat III)
@ $\approx 1.8'$ b.s.



NOT TO SCALE

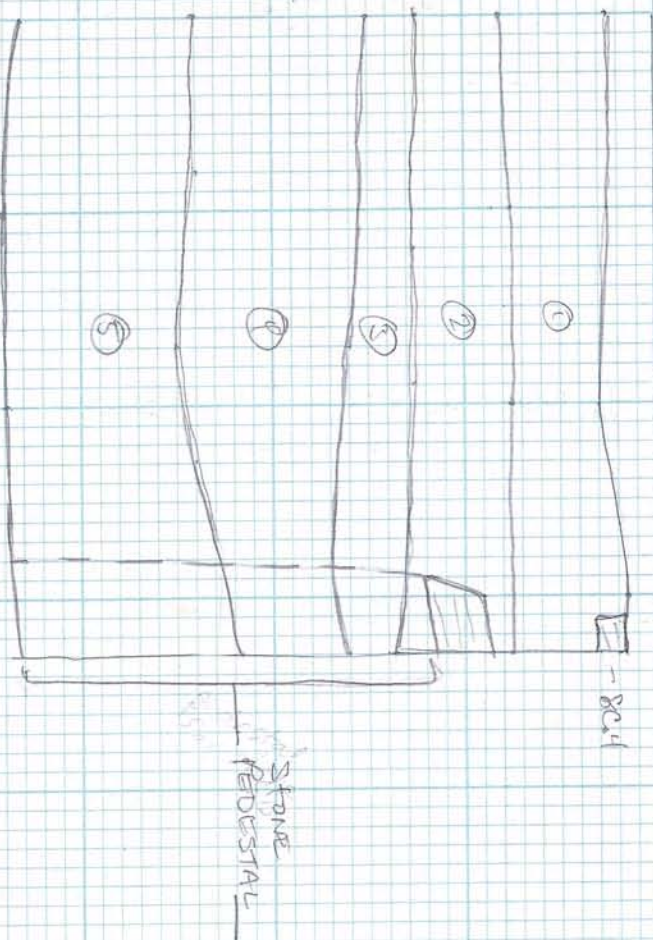
In Progress W profile



not to scale

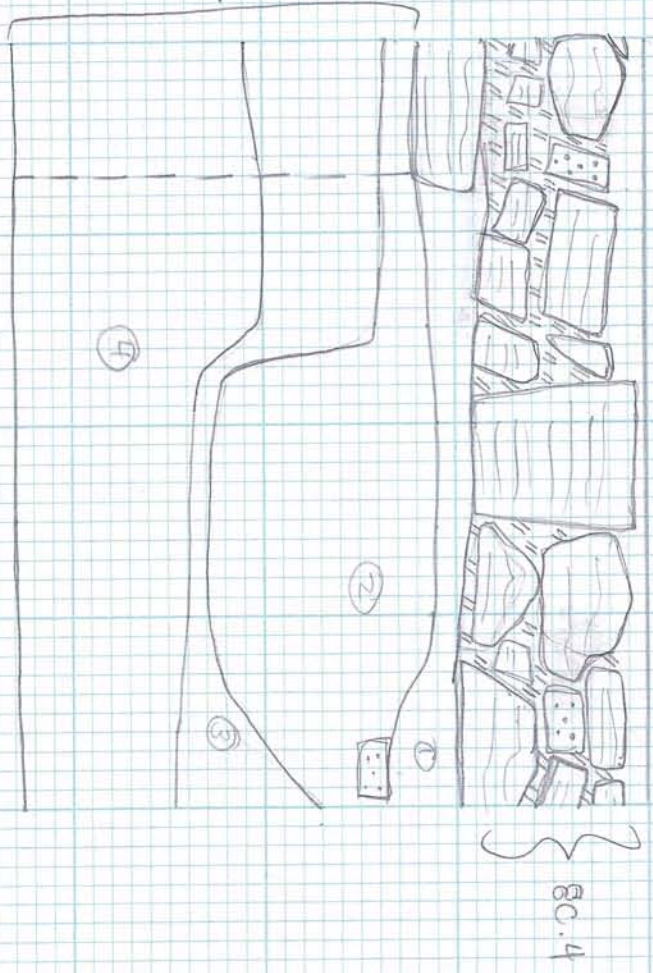
Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

TU 7 - SOUTH PROFILE



- Strat I ① Rubble fill - mortar brick, building stones
- Strat II ② Sand - 7.5 yr 4/4, coarse, no inclusions.
- Strat III ③ Cultural Deposit - 7.5 yr 3/4 coarse sand/brick, mortar
- Strat IV ④ Sand - very coarse 7.5 yr 4/4
- Strat V ⑤ Sand - very coarse w/ some cobbles 7.5 yr 4/4-5/4 and gravel

TU 7 - WEST PROFILE



- Strat II ① SAND 7.5 yr 4/4 coarse sand, no inclusions.
- Strat III ② CULTURAL DEPOSIT 7.5 yr 3/4 sand, mortar/brick
- Strat IV ③ SAND 7.5 yr 4/4 very coarse sand
- Strat V ④ SAND 7.5 yr 4/4-5/4 very coarse sand, some cobbles and gravel



City Hall
Room 8C
TU 7
WALL PROFILES
7/21/10 E.K.M.

- STONE
- BRICK
- MORTAR

URS UNIT RECORD FORM

Page of

Project: CITY HALL PARK

Site: Room 8C

Block:

Test Unit #: 8

SW Coordinates: N E

Natural Stratum X Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s)

Unit Dimensions: 3.2' m x m 2'

Date: 7/21/10

Excavators: LG, EK

Methods: SHOVEL TROWEL

Mesh: (1/4) (1/8)



0'-
8'-
--

Strat I
Lv.

RUBBLE FILL - GRAVEL, MORTAR + BRICK

REMOVED + DISCARDED W/O SCREENING

1.2'-
1.4'-
--

Strat II
Lv.

7.5 YR 4/4 COARSE SAND FILL

REMOVED + DISCARDED W/O SCREENING

1.2'-
2.45'-
--

Strat III
Lv.

7.5 YR 3/4 SAND W/ MORTAR + BRICK FRAG. INCLUSIONS

BECOMES V. THIN AND DISAPPEARS @ 1.3' IN SE OF UNIT. ARTIFACT

DEPOSITION LEVEL CONTINUES BELOW TO 2.45'. 4'-5' THICK BAND
OF CLEAN 7.5 YR 5/4 SAND CUTS THROUGH NE OF UNIT - REMOVED +
SCREENED W/ STRAT III

2.2'-
2.3'-
--

Strat IV
Lv.

7.5 YR 4/4 COARSE SAND. STRAT IV THINS & DISAPPEARS

IN NE 1/2 OF UNIT @ 2.3' 5/4 SAND CUTS THROUGH

NORTH 1/2 OF UNIT - REMOVED + SCREENED W/ STRAT III

NCM

2.4'-
3.3'-
--

Strat V
Lv.

7.5 YR 4/4 MOTTLER W/ 7.5 YR 5/4 + 7.5 YR 5/6 COARSE
SAND

NCM

--
--
--

Strat
Lv.

--
--
--

Strat
Lv.

SUMMARY FORM

SITE CITY HALL PARK

BLOCK ROOM 8C

Test Unit 8

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

2' NORTH EXTENSION TO T.U. 6 TO FIND EXTENT OF POSSIBLE FIREPLACE
FOOTERS 8C.7 AND THE EXTENT OF ARTIFACT-RICH STRAT II DEPOSIT.
STRATS I & II - RUBBLE FILL & SAND FILL - REMOVED & DISCARDED
W/O SCREENING. STRAT III HAS LOWER ARTIFACT FREQUENCY THAN IN
T.U. 6 TO THE SOUTH, AND IT DIPS TO .4' DEEPER IN DEPTH. A 7.5 4R 5/4
SANDY BAND CUTS THROUGH THE MIDDLE OF STRAT III - THIS APPEARS TO
BE CLEAN FILL BUT WAS REMOVED & SCREENED W/ STRAT III. AS IN T.U. 5-7,
THIS UNIT TERMINATES IN A MOTTLED COARSE SAND LEVEL (STRAT IV). THE
THIN BAND OF 7.5 4R 4/4 SAND (STRAT IV) BELOW THE HEAVY ARTIFACT STRAT III
DEPOSIT THINS & DISAPPEARS AS T.U. 8 CONTINUES NORTH. NO FURTHER
STONE FOOTERS WERE FOUND IN THE EAST WALL OF THIS UNIT. MARKS THE
END OF EXCAVATION IN ROOM 8C AS OF 7/22/10.

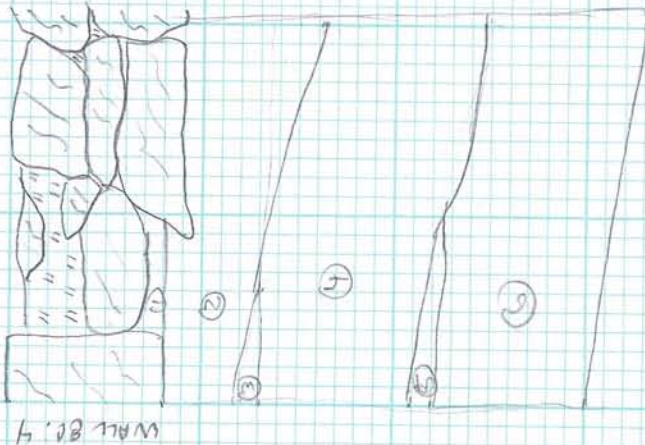
Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

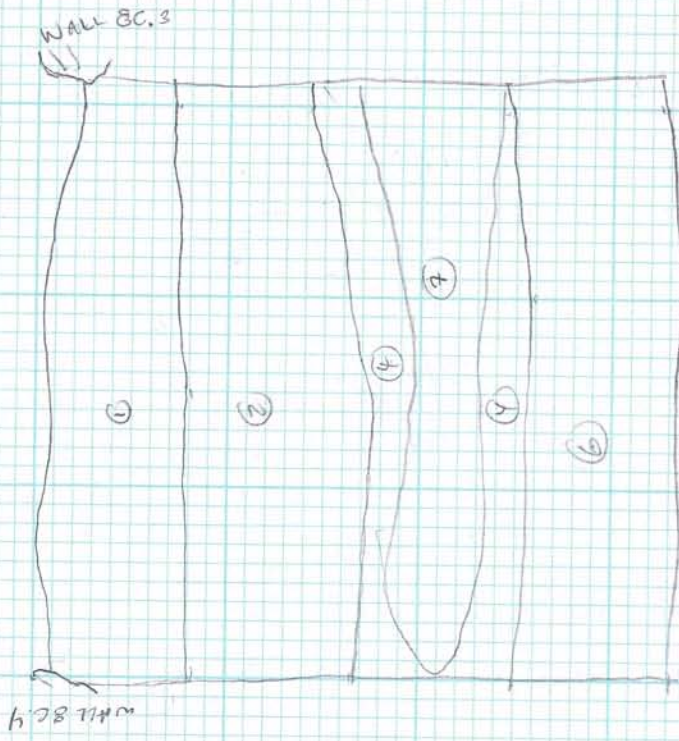
CITY HALL PARK
Room 8C
T.U. 8
7/22/10



WEST PROFILE



NORTH PROFILE



*T.U. 6 + 8 EAST
PROFILES DRAWN
TOGETHER ON SEPARATE
SHEET

① RUBBLE FILL - GRAVEL, MORTAR + BRICK - STRAT I

② 7.5 YR 4/4 COARSE SAND - STRAT II

③ 7.5 YR 3/4 SAND W/ MORTAR + BRICK INCLUSIONS

④ 7.5 YR 3/4 SAND W/ SOME MORTAR, HEAVY ARTIFACT DEPOSITION } STRAT III

⑤ 7.5 YR 4/4 COARSE SAND - STRAT IV

⑥ 7.5 YR 4/4 MORTARED W/ 7.5 YR 5/4 + 7.5 YR 5/4 COARSE SAND - STRAT V

1/4" - MORTAR

5/8" - STONE

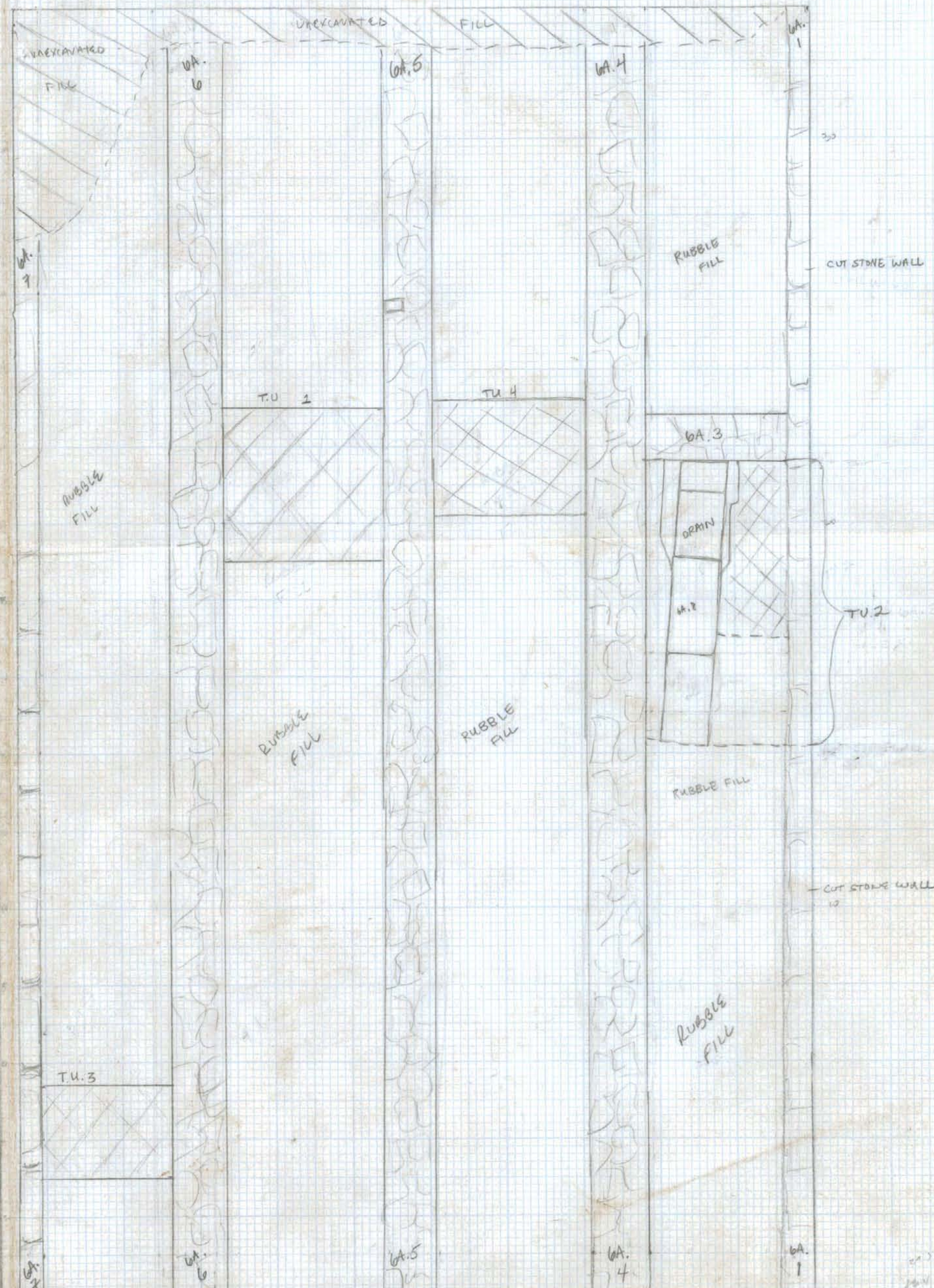
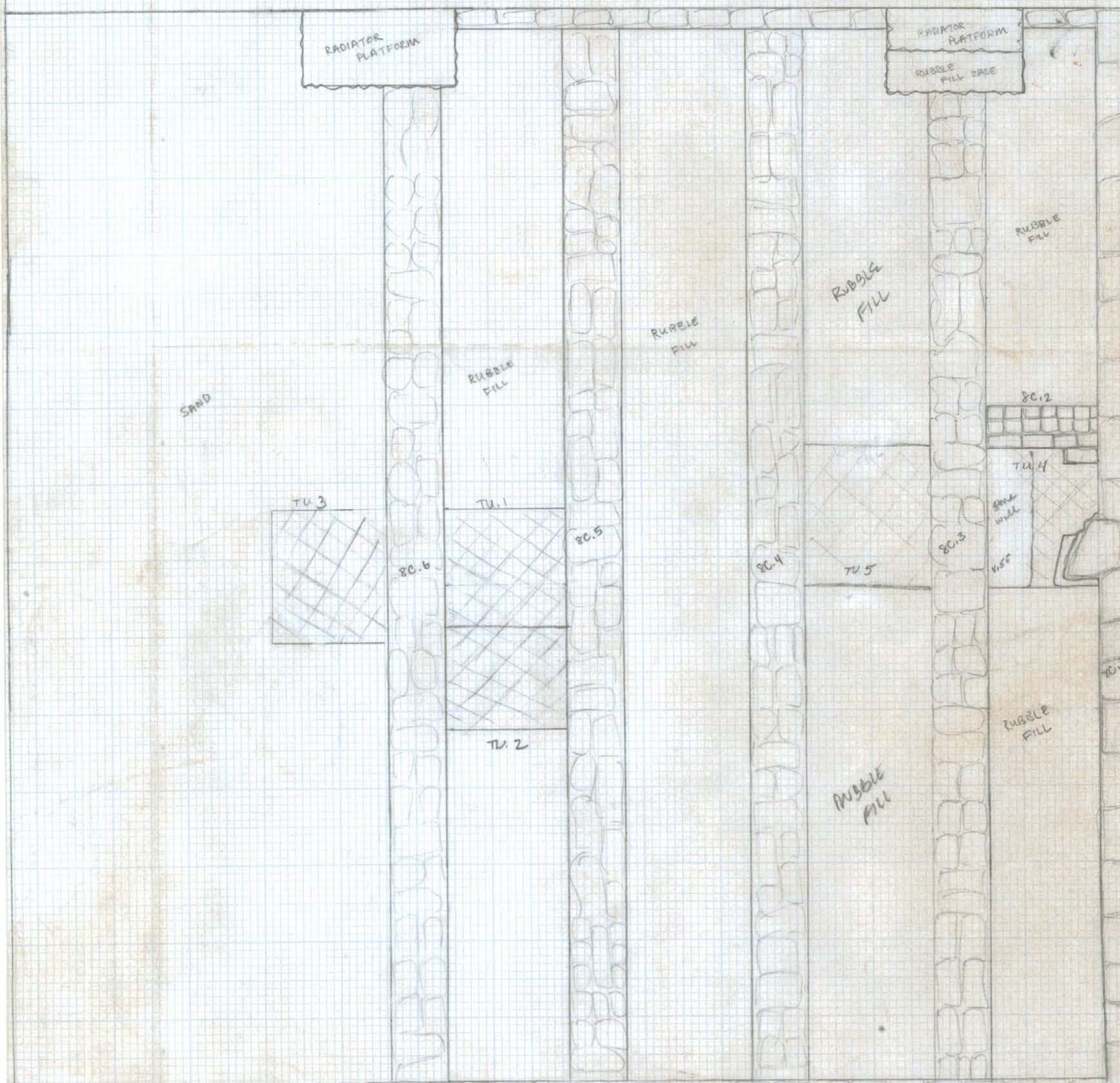
⑦ 7.5 YR 5/4 SAND - REMOVED STRAT III

CITY HALL
1903/2094
CITY HALL BASEMENT
ROOM 8C
PLAN VIEW OF
FLOOR JOIST
E. KRAUL E. KAD
July 14, 2010



WA.1 & WA.2: CUT STONE WALL
WA.3, 4, 5, 6: RANDOM COBBLE, MORTAR & BRICK WALL JOINT

CITY HALL
1903/2094, 00000
CITY HALL BASEMENT
ROOM 10A
PLAN VIEW OF FLOOR JOIST
E. KRAUL & D. Bickinger
July 12, 2010
SCALE
0 1.0 2.0



CITY HALL
9/28/10
FEA. 24
WALL
UNDER
BREZEWAY

- (1) No. 22 Bricks "Drumway"
- (2) concrete
- (3) stone
- (4) Fill - bone, mortar, brick
- (5) sand fill clean

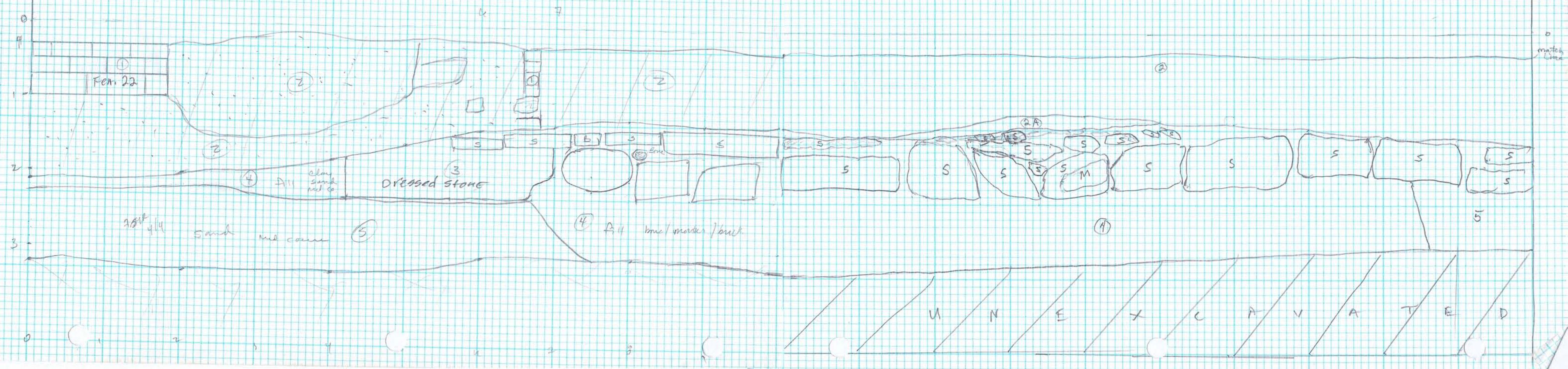
N. Brezeway
9.23.10
SCALE
0 0.5 1.0

FEA. 24
WALL
UNDER
BREZEWAY

N. Brezeway
9-24-10

0 .5 1 Inch
0 .5 1 foot

- (2) concrete
- (2A) Rubble fill
- (3) Stone wall
- (4) fill, bone, shell, mortar, cobbles and brick
- (5) sand fill clean
- M mortar
- S stone



12

24

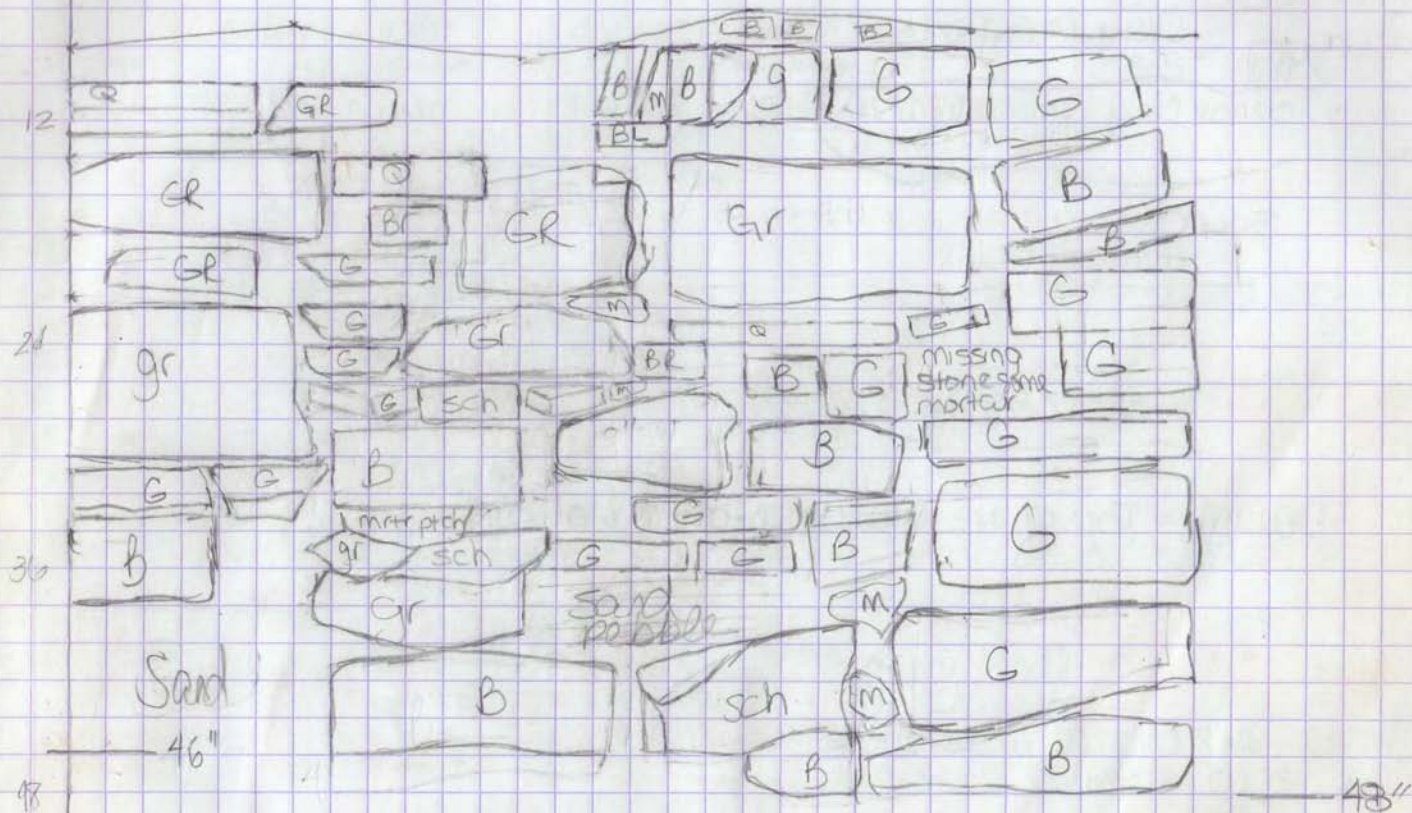
36

48

60 Test Unit
2NE

concrete underlayment

South Wall



gr/gr = fieldstone
 br = brick
 q = quartz
 sch = schist
 b = brownstone
 m = mortar patch

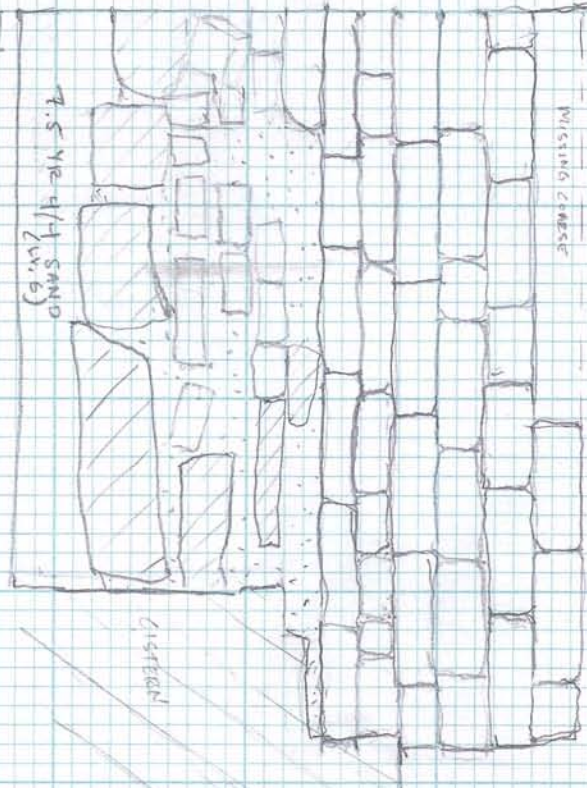
Ø = Top surface of concrete underlayment which is 8" below retaining wall curb

CITY HALL PARK
19 JUNE 2010
TRENCH 1

TULIP PROFILE AND TULIP W. PROFILE
LH

5' 11" 34.815

TULIP EAST WALL PROFILE

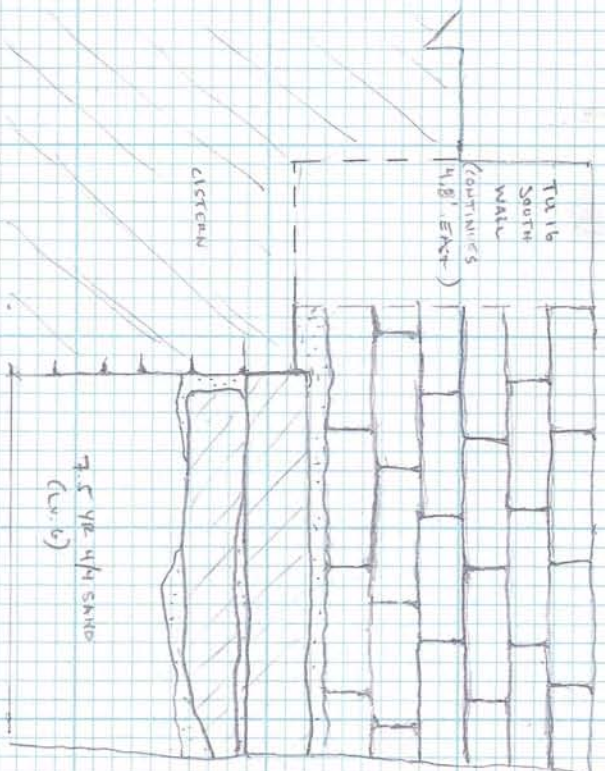


MOISTURE
- STONE
UNEXAMINED
CISTERN

1.35' BD

1.5' BD

TULIP WEST WALL PROFILE



5' 11" 34.815
SURFACE

URS UNIT RECORD FORM

Page 1 of

Project: City Hall Park Site:
 Test Unit #: 238 - EXTERIOR OF ICE HOUSE
 SW Coordinates: N E
 Natural Stratum X Arbitrary Level ()
 Circle: (Metric) (Tenths)
 Datum: Surface / String Coordinates: ()
 FS Number(s)

Block:

Unit Dimensions: 5' m x m 5'
 Date: 2 Aug 2010
 Excavators: Domenic
 Methods:
 Mesh: (1/4) (1/8)



Strat I
 Lv.

RCA / GRAVEL FILL, REMOVED W/ JACKHAMMER + DISCARDED
- NORTH WALL OF POSSIBLE ICE HOUSE RUNS 1' FROM SOUTH
UNIT BOUNDARY



Strat II
 Lv.

BRICK RUBBLE + MORTAR FILL, REMOVED BY JACKHAMMER + DISCARDED



Strat III
 Lv.

COMPACT CLAY FILL, SOME BRICK FRAG. INCLUSIONS



Strat
 Lv.



Strat
 Lv.



Strat
 Lv.



Strat
 Lv.

URS UNIT RECORD FORM

Page ___ of ___

Project: CITY HALL PARK Site:
 Test Unit #: 23 - INTERIOR OF ICE HOUSE
 SW Coordinates: N E
 Natural Stratum ☒ Arbitrary Level ()
 Circle: (Metric) (Tenths)
 Datum: Surface / String Coordinates: ()
 FS Number(s)

Block:

Unit Dimensions: m x m
 Date: 8/2/10
 Excavators: CG, EK
 Methods: SHOVEL STRONG
 Mesh: (1/4) (1/8)



I + II ASH + BRICK RUBBLE FILL
 Strat I REMOVED + DISCARDED W/O SCREENING
 Lv.



III SANDY FILL W/ BRICK + MORTAR FRAGS, SOME ASH INCLUSIONS
 Strat III SCREENED LOW ARTIFACT FREQUENCY
 Lv. * SQUARE SOIL ANOMALY W/IN III SCREENED SEPARATELY (SEE PROFILE)
 ARTIFACTS: METAL, WW, BONE
* ANOMALY YIELDED: BOTTLE, WW, WINDOW GLASS, SLATE PENCIL



IV SANDY FILL BELOW BRICK FLOOR OF UNIT
 Strat IV
 Lv.



V COAL ASH FILL, LIES BELOW STRAT III AND ATOP BRICK FLOOR
 Strat V
 Lv.
 ARTIFACTS: STONEWARE, WW, GLASS, BOTTLE + WINDOW, METAL, BONE



VI COMPACT SANDY CLAY FILL, BRICK AND MORTAR THROUGHOUT
 Strat VI
 Lv.



VII NOT PRESENT IN THIS UNIT, MIDDEN DEPOSIT ONLY IN THE 25 WIN ICE HOUSE
 Strat VII
 Lv.



VIII COAL ASH DEPOSIT BELOW BRICK FLOOR, SIMILAR TO STRAT VI BUT SLIGHTLY ASHIER AND LIKELY DIFFERENT CONTEXT SINCE IT IS LOCATED OUT OF ICEHOUSE BOUNDARIES
 Strat VIII
 Lv.

SUMMARY FORM

SITE CITY HALL PARK

BLOCK

Test Unit 23

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

OPENED TO EAST OF T.U. 21 TO EXPLORE EXTENT OF STONE PAVERS & BRICK
ICE HOUSE. TOP 3 STRATS LOOSEMED BY JACKHAMMER + DISCARDED W/O
SCREENING. NORTH ICE HOUSE WALL FOUND @ BASE OF STRAT I TO .2' INTO
STRAT II.

Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

SUMMARY FORM

* INTERIOR OF ICE HOUSE

SITE GTY HALL PARK

BLOCK

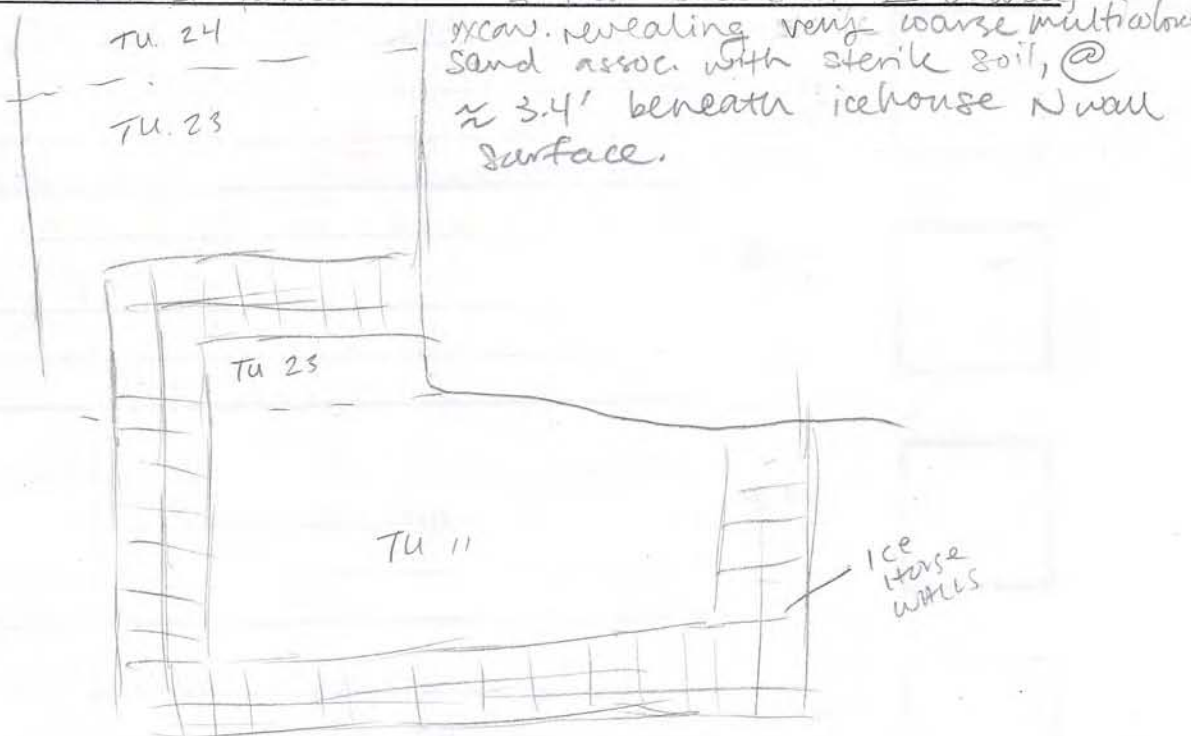
Test Unit 23

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

TU. 23 REMOVED W/IN + OUTSIDE OF ICE HOUSE - OUTSIDE OF ICE HOUSE ACCIDENTALLY TAKEN OUT AS 5'x5' UNIT, LEAVING APPROX 4'x1' SECTION W/IN ICE HOUSE (SEE OUTSIDE ICE HOUSE TU 23 SEPARATE PAPERWORK). STRATS I+II REMOVED BY JACKHAMMER, W/ NORTH ICE HOUSE WALL APPEARING @ STRAT II. STRAT III FILL SLOPED DOWN + TO THE EAST ATOP STRAT II COAL ASH - STRAT DESIGNATIONS CHOSEN TO CORRESPOND TO TU. 11 PREVIOUS ICE HOUSE FILL REMOVAL. STRAT III CONTAINED A SMALL .6'x.6' SQUARE SOIL ANOMALY, REMOVED + SIEVED SEPARATELY. STRAT IV COAL ASH WAS HIGHER IN ICE HOUSE NW CORNER + SLOPED DOWN TO THE EAST BEYOND STRAT III. STRAT IV TERMINATED IN GREY + BLACK THIN SANDY ASH DEPOSITS <.05' THICK ATOP THE BRICK ICE HOUSE FLOOR.

DATE: 8/4/10: Excavation continued w/ removal of brick floor of icehouse. Beneath brick was thin sandy layer (strat V based on previous excavations). Strat removed to reveal more clay like compact sandy soil w/ small ash pocket at the very south of the, along boundary. Ash somewhat different than ash of I and outside of icehouse, so assigned strat III while compact sand is strat IV. Strat V turned out to be thin and strat VI as well.

Sketch Diagnostics:



Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

URS UNIT RECORD FORM

Page of

Project: CITY HALL PARK Site:
 Test Unit #: 25 INTERIOR OF ICE HOUSE
 SW Coordinates: N E
 Natural Stratum X Arbitrary Level ()
 Circle: (Metric) (Tenths)
 Datum: Surface / String Coordinates: ()
 FS Number(s)

Block:

Unit Dimensions: 5.5' m x m 5'
 Date: 8/2/10
 Excavators: PK PK LG
 Methods: Rev Hammer, Shovel, Trowel
 Mesh: (1/4) (1/8)



Strat I+II
 Lv.

COMPACT
RCA + BRICK RUBBLE FILL

removed + DISCARDED w/o SCREENING



Strat III
 Lv.

sandy soil, fill w/ brick + mortar frags, some ash

button, bones, glass, whiteware



Strat IV
 Lv.

not present

edit b/y: strat 4 is sand layer beneath brick floor
of ice house

*Strat designations based on initial labeling from TU 11+3/8



Strat V
 Lv.

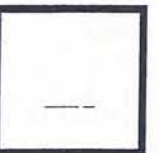
coal ash, ashy fill below strat III, somewhat higher in SW of unit
possibly complete animal skeleton in pieces

bones, window glass, bottle glass, metal



Strat VI
 Lv.

very compact sandy clay fill w/ brick frag, pebbles, mortar
throughout



Strat VII
 Lv.

Midden feature discovered below ice house when
east exterior of ice house was discovered (TU 3/8)

No feat # designated, midden incorp. as a strat w/in ice house
to VR 3/4 mottled w/ 10 VR 5/3, brick artifacts, mortar, pebbles
throughout



Strat VIII
 Lv.

Strat V brick
interior, diff of soil

SUMMARY FORM

SITE City Park

BLOCK

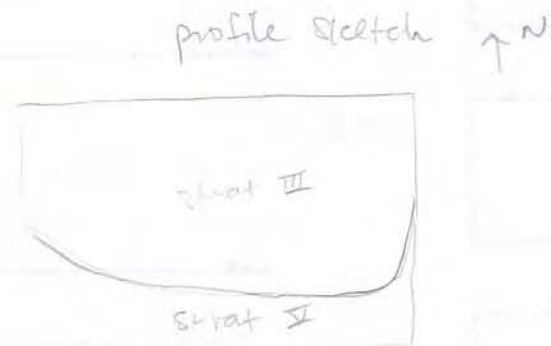
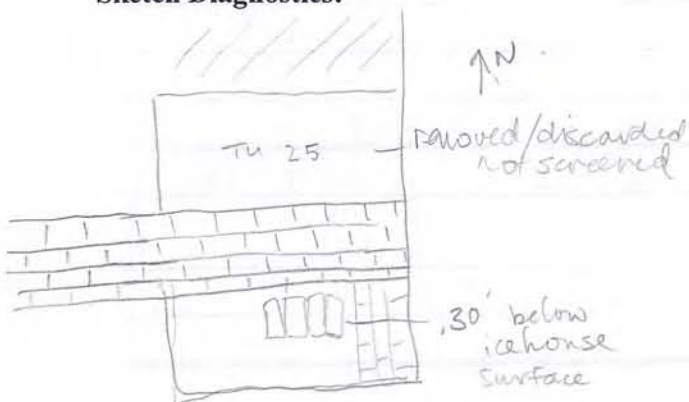
Test Unit 25

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

Unit consists of soil w/in ice house feature, southern section of TU 25 as a whole. Only interior soil screened and artifacts collected. Strat I and II removed mechanically and discarded, top of ice house north wall exposed at $\approx .45'$ below ground surface. Strat III below rubble fill was sandy and somewhat compact. Excavated to reveal Strat I below. Strat II not apparent in this section of icehouse. As w/ TU 23, strat designations correspond to initial excavations of soil w/in icehouse, TU 11 from weeks prior. Coal ash fill below strat III labeled strat IV, started higher in unit in the west and sloped downward towards the east with some ash along the east wall of icehouse. Towards brick surface in center of unit there a small area of ashy fill that was slightly less ashy, contained small mammal bones, possibly an animal larva. Grouped in as strat I as soil streaked w/in strat context and in some areas hard to discern between soils. Strat I terminated on top of brick surface, end of unit. TU 25 - Exterior of ice house excav. separately + mechanically to uncover entire NE face of brick ice house, not screened.

Edit + continuation of cont'd page

Sketch Diagnostics:



SUMMARY FORMSITE CITY HALL PARKBLOCK 8/5/10Test Unit 25Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

Brick floor of Icehouse was reached. Brick removed and further excav. of TU 25 performed. Sand layer immediately beneath brick removed as strat IV. As mentioned earlier, strat designations were initially assigned to diff soil contexts and same were used for recent excav. in order to retain continuity in paperwork. Beneath thin layer of sand (<.15') in west end of unit uncovered a very light ashy mortar fill. In the east end, uncovered the midden previously discovered and excavated in TU 3/8. Ashy soil was different from previous ashy soil in that it was whiter and contained mostly mortar and a plasterly substance. Not assigned a strat as it turned out to be very thin, <.1'. Midden assigned strat III, decided from earlier excavations. Excavated and screened as well as portion of midden that remained in SE corner of the Icehouse, outside of unit 25 boundary that was left from previous excavat of TU 3/8 due to safety concerns. Midden excavation completed with exposure of very coarse sand assoc. here w/ sterile soils. Midden depth terminated at 5.1' below surface of Icehouse N. wall.

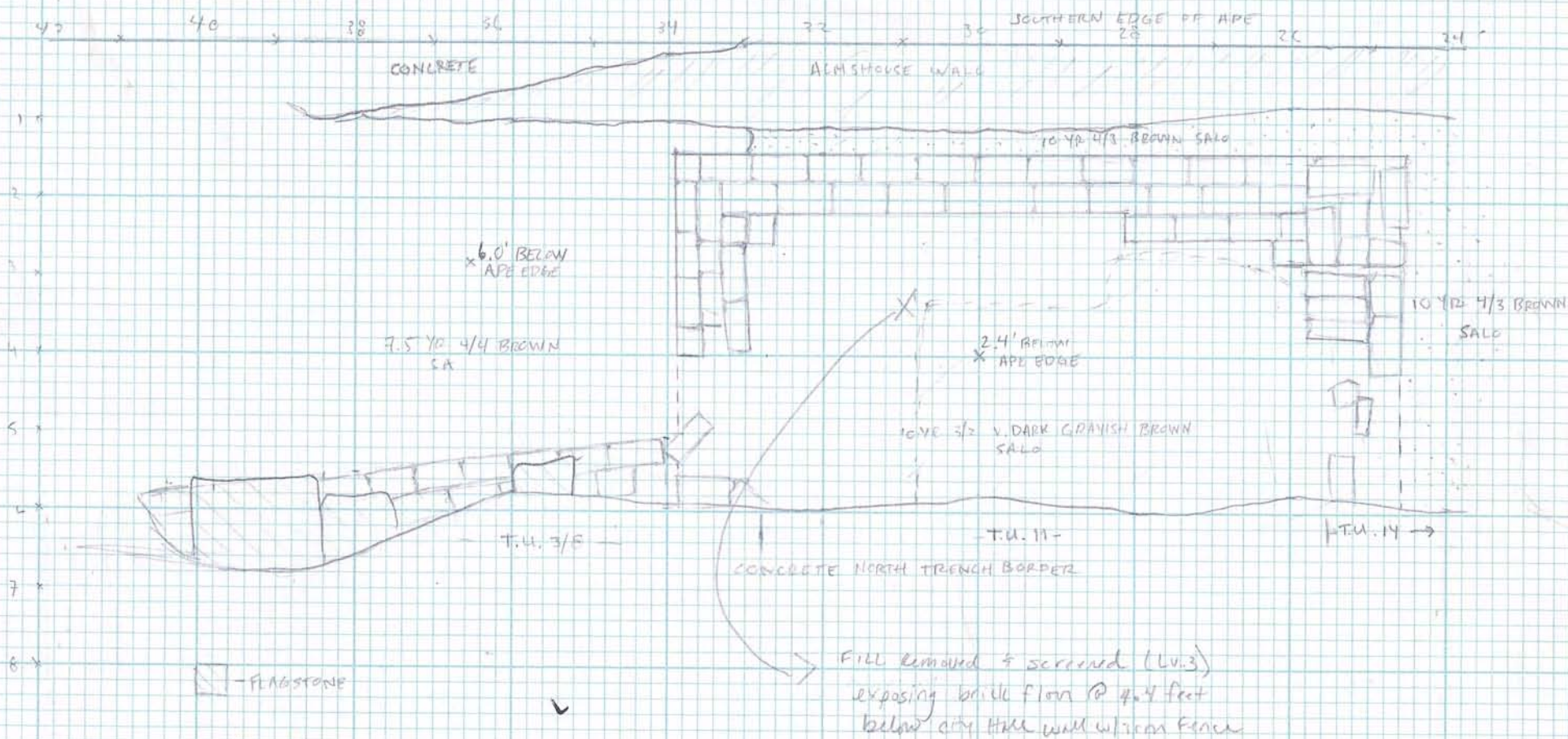
Sketch Diagnostics:

CITY HALL PARK

10 JUNE 2010

TRENCH 7 PLAN VIEW

16



NYC City Hall Park

Feature 6

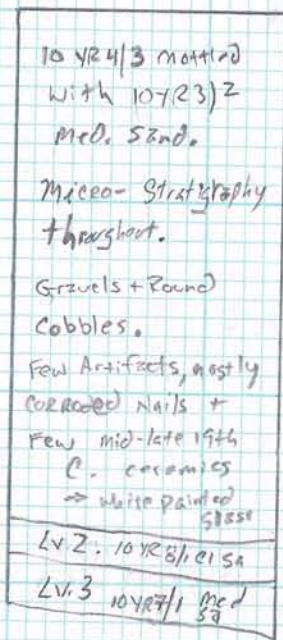
N + E Walls

7/28/2010

North Wall

East Wall

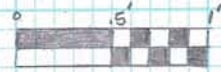
Lv 1 →



Wooden Box
constructed
of planks

→ Lv 2
→ Lv 3

CITY HALL PARK
BRICK STRUCTURE INTERIOR +
FEATURE 7 EAST PROFILE
8/2/10 E. KAO

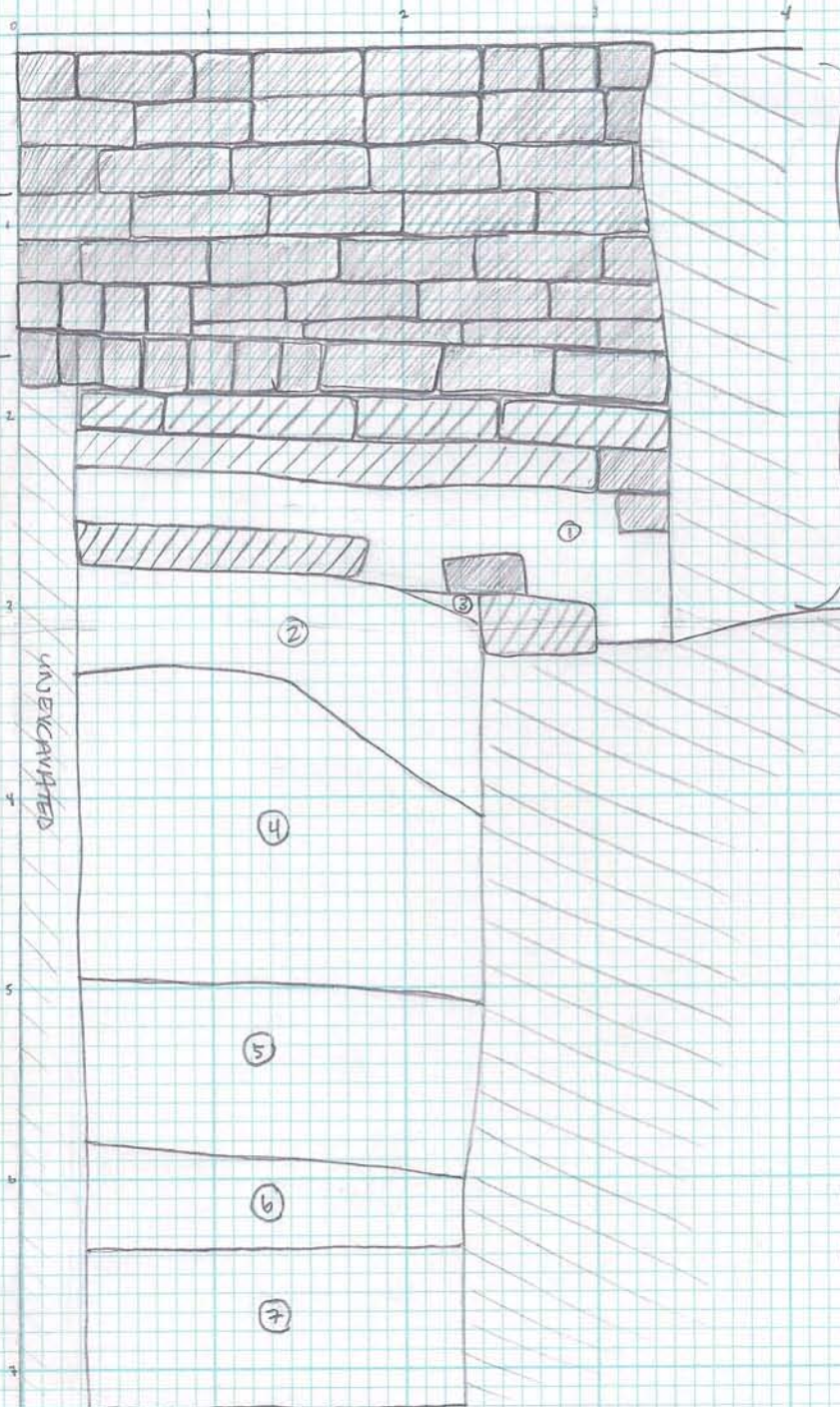
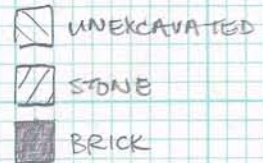


TU 22 / BRICK STRUCTURE, INT. EAST WALL N

BRICK
STRUCTURE

BRICK
STRUCTURE
FOOTER

TU 21
UNEXCAVATED



- ① TU 22 Strat VI - 7.5 YR 3/2
mottled w/ 10 YR 5/6 coarse sand
- ② 10 YR 3/2 sandy loam
- ③ 10 YR 4/2 sandy loam, med-coarse
- ④ 7.5 YR 2.5/3 coarse silty sand, small
pebble inclusions ~10%
- ⑤ 7.5 YR 4/3 mottled w/ 7.5 YR 3/1
coarse sand w/ tiny pebble inclusions
~10%
- ⑥ 10 YR 2/1 coarse sand
- ⑦ 10 YR 4/4 - 5/4, 7.5 YR 4/3 fine sand

CITY HALL

TU 20.22

FEATURE 7

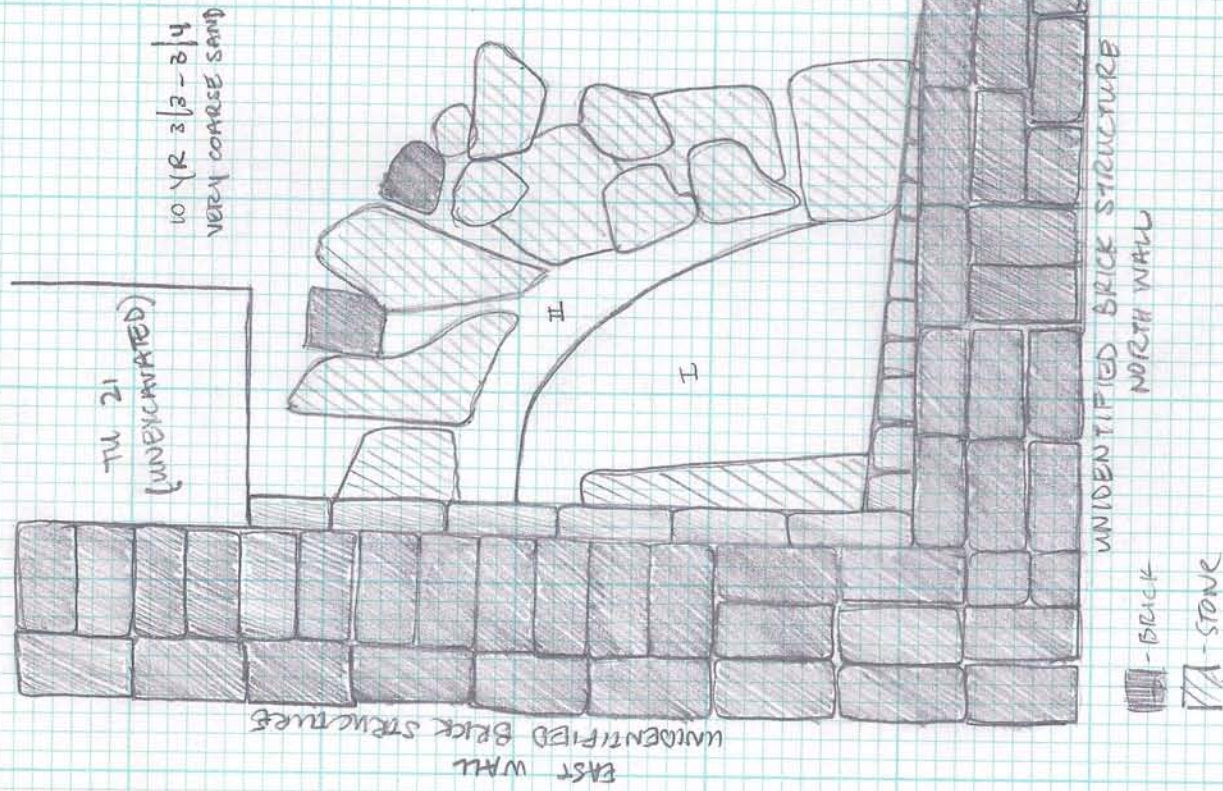
PLAN VIEW (IN PROGRESS)

7/30/10 UG, EK



- I. strat I, 10 YR 3/2, sandy loam
- II. strat II, 10 YR 4/2, sandy loam

6/2 EXCAVATION. STRAT II CONTINUES TO FOLLOW STONE WALL WALLS AS EXCAVATION DEPTH INCREASES. STRAT I OVERLIES STRAT II, A SANDY FILL LEVEL IN LOW IMPACT FREQUENCY. STRAT II OVERLIES A SANDY LOAM MEDIUM MOTTLED FILL, ALSO LOW IN ARTIFACTS OTHER THAN STONE & BRICK FRAGMENTS. SEVERAL THIN (4.05") DARKER DEPOSIT BANDS RUN THROUGH STRAT IV, TERMINATING @ 3.2' BELOW THE STONE LINING SURFACE IN A .05'-1' DARK SANDY LOAM DEPOSIT (STRAT V). STRAT V OVERLIES NATURAL CLAY SAND. STONE WALL LINING ENDS @ 3.2' IN STRAT V. SOME SAND WIGTHAR IS PRESENT IN STONE LINING BELOW THE FIRST SEVERAL COARSE (APPROX. 5") INDICATES THIS MIGHT ACTUALLY HAVE BEEN A SHALLOW STONE-LINED PRIVY.



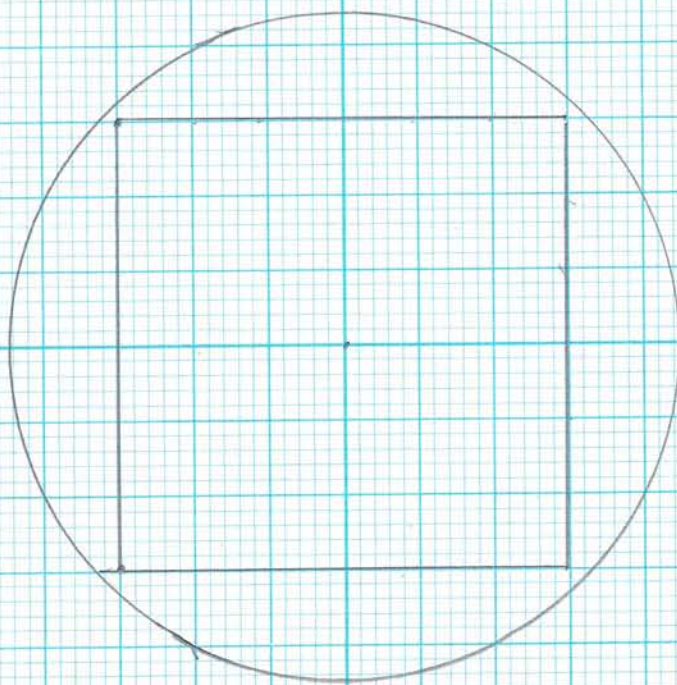
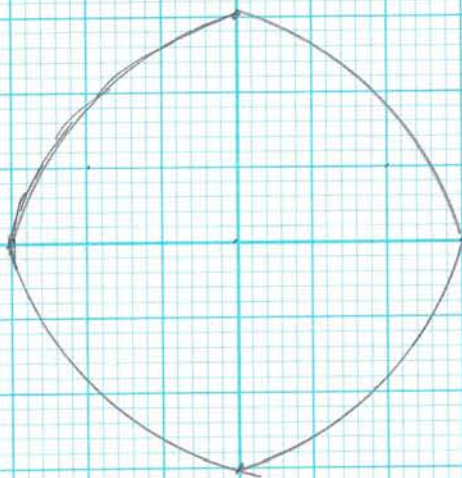
0.4 = 6'

0.4 =

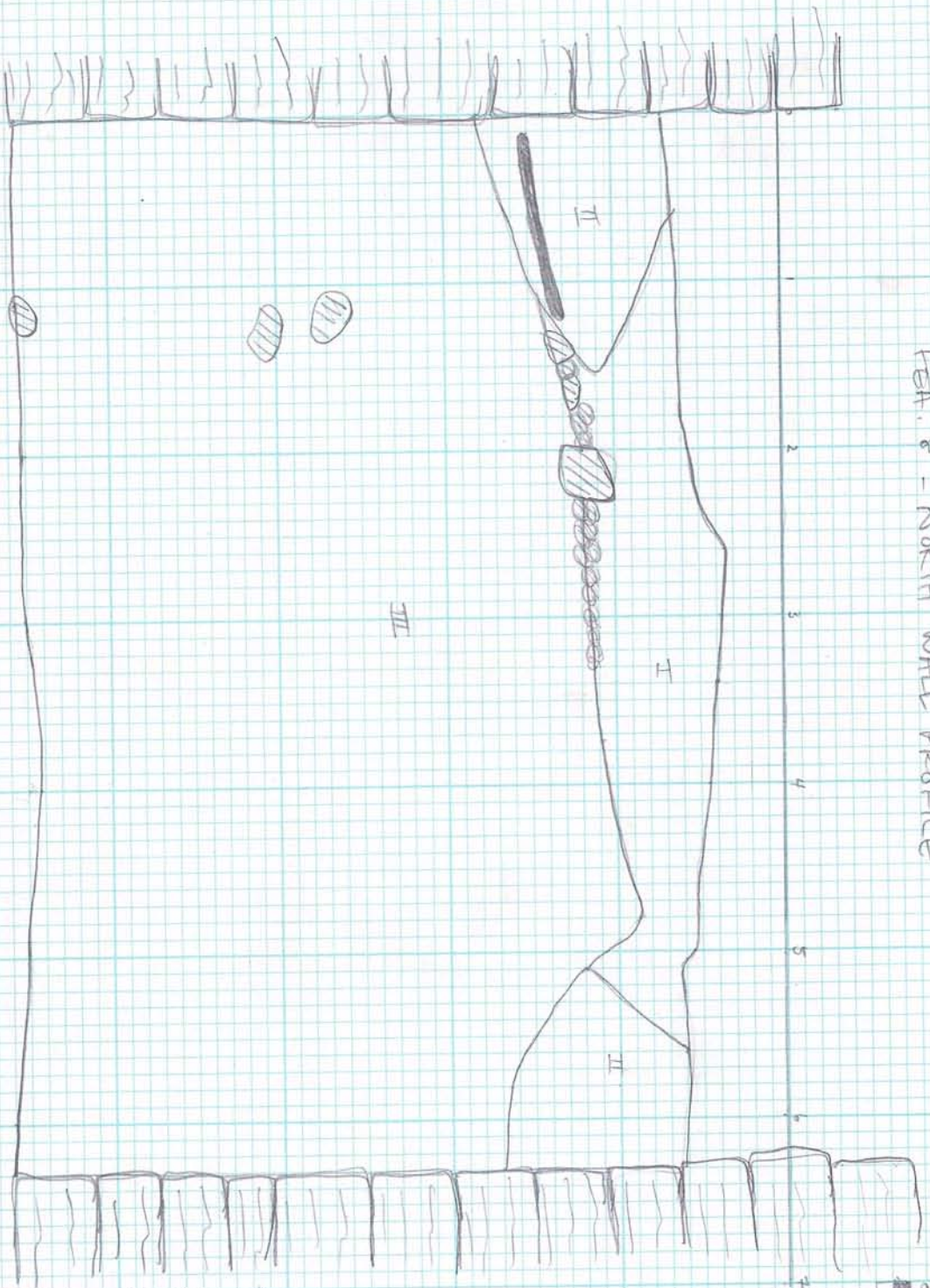
0.2"

50,200 = 49,2"




4.1' box will
fit inside
6' well



FEA. 8 - NORTH WALL PROFILE



ABL = 3.5' bed.
(mobile wall)

-  SLATE
-  COBBLES
-  STONE WALL

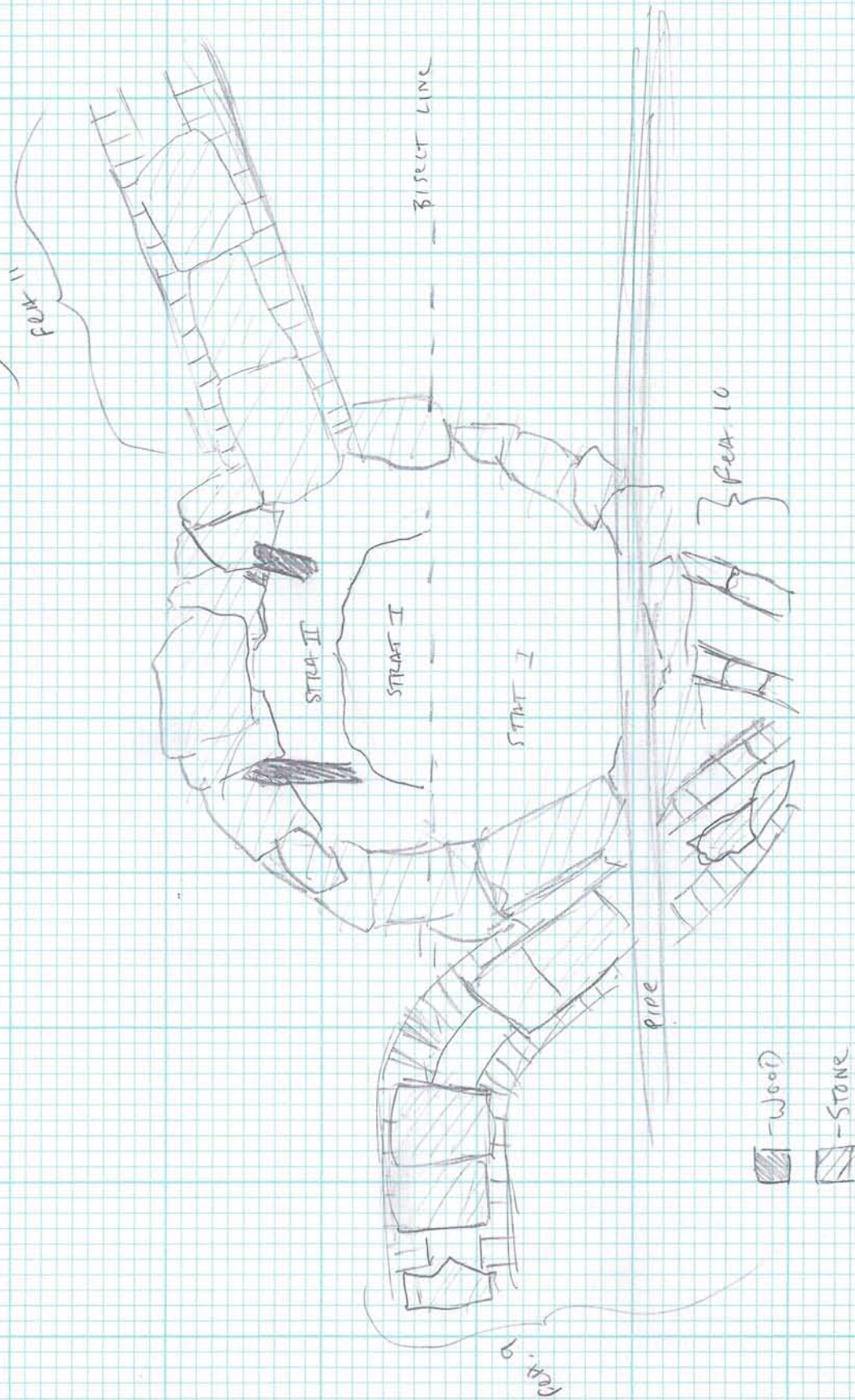
- I - 10 YR 3/4 dk yellowish brown, sandy silt
- II - 10 YR 4/6-4/4 sandy loam
- III - 10 YR 5/4 sandy loam very coarse, pebbles and cobbles throughout, $\approx 60\%$

CITY HALL PARK
FEA 8
NORTH WALL PROF.
8/10/10 E KAO

C1 HALL PARK
PENTURE 8
8/6/10

N↓

OPENING PLAN VIEW SKETCH (NOT TO SCALE)



URS UNIT RECORD FORM

Page of

Project: City Hall Site:
 Test Unit #: FEA 8, South 2
 SW Coordinates: N E
 Natural Stratum Arbitrary Level ()
 Circle: (Metric) (Tenths)
 Datum: Surface (String) Coordinates: ()
 FS Number(s)

Block:

Unit Dimensions: m x m
 Date: 8/6/10
 Excavators: EK, LG, EK, DG
 Methods:
 Mesh: (1/4) (1/8)



3.9' b.d.
to

Strat I
Lv.

10 yr 3/4: Sandy loam, somewhat coarse w/
in center of South Bisect

Strat II
Lv.

7.5 yr 4/3 Sand, loose, coarse, soil around Strat I, along
well wall

ch. el.
8.07

Strat III
Lv.

10 yr 6/4 - 5/4 very light multicolored sand, very coarse
w/ cobble and pebble inclusions ~60%

Strat
Lv.

Strat
Lv.

Strat
Lv.

Strat
Lv.

* Datum calculated w/ total station and datum string placed east of cistern, above icehouse*

FEATURE was bisected on E-W axis, South half removed first. Shoveling revealed 2 strats visible on surface of well. Strat I was dark grayish staining in center of well and strat II is reddish sandy soil around the inner wall of well. Excavated simultaneously as Strat I and II overlaid each other at different times during excavation (see sketch below). Strat II soil terminated about 5.27' b.d. Strat I terminated a little higher. Beneath strat I uncovered a lighter grayish red sandy soil, strat III. Strat IV excavated simultaneously with strat II as excavation of outer ring that was strat II created a hill in the floor. Finally entire floor revealed strat III. This strat remained until depth of feature disallowed excavation to safely continue. Total depth of feature is 8.07' b.d.

Excavation of feature continued w/ removal of N $\frac{1}{2}$. Same strats followed, and N $\frac{1}{2}$ half taken down to same elevation as S $\frac{1}{2}$.

Feature excavation finally ended w/ an STP in center of well floor, another 8'. Total depth, including auger test at floor of STP, of excavated area is 16.07' b.d.

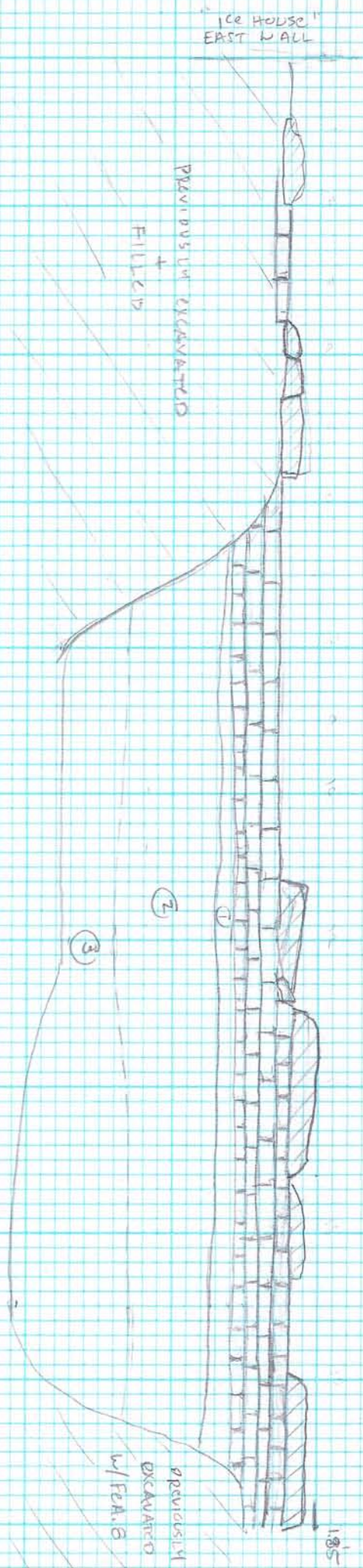
* see attached graph paper for info about auger test.



CITY HALL PARK
NE CITY HALL
Feature II (FEARST DRAIN)



NORTH PROFILE



STONE

- ① 10' x 5' x 6' CO w/ MEDIUM COARSE SAND - CLAY BED LINING FEARST DRAIN BOTTOM
- ② 7.5' x 4' x 5' SA MOTTLED w/ 2.5' x 4' x 4' + 5' x 6' MEDIUM SAND
- ③ 7.5' x 4' x 5' SA MOTTLED w/ 7.5' x 6' x 4' + 6' x 6' FINE/MEDIUM SAND

--- DOTTED LINES INDICATE SOIL COLORED GRIPPING/INDISTINCT HORIZON

URS UNIT RECORD FORM

Page ___ of ___

Project: CITY HALL PARK Site: _____

Block: NE area

Test Unit #: Section 11

SW Coordinates: N _____ E _____

Natural Stratum _____ Arbitrary Level _____ ()

Circle: (Metric) (Tenths)

Datum: Surface/String Coordinates: ()

FS Number(s) _____

Unit Dimensions: 5' m x m 5' sections

Date: 11/15/10

Excavators: EHK LG, AL, DE, JM

Methods: _____

Mesh: (1/4) (1/8)



Sec 11
sect. 1

Strat
Lv. _____

Context 1: dismantled drain - NCM

Cut 2: soil inside drain: 10yr 4/4 sa: NCM

Cut 3: soil beneath drain: 7.5yr 4/4 sa: NCM

Sec 11
sect. 2

Strat
Lv. _____

Context 1: dismantled drain: - NCM

Cut 2: soil inside drain: 10yr 4/4 sa: Animal Bone

Cut 3: soil beneath drain: 7.5yr 4/4 sa: NCM

Sec 11
sect. 3

Strat
Lv. _____

Context 1: dismantled drain ^{previously collapsed area}: - NCM

Cut 2: soil inside drain: 10yr 4/4 sa: Bone + ceramic glass

Cut 3: soil beneath drain: 7.5yr 4/4 sa: glass ceramic

Sec 11
sect. 4

Strat
Lv. _____

Context 1: dismantled drain: - NCM

Cut 2: soil inside drain: 10yr 4/4 sa: Ceramic, glass, nails, pipe stems, bone

Cut 3: soil beneath drain: 7.5yr 4/4 sa: NCM however hidden

lies just beneath Cut 3

Strat
Lv. _____

Strat
Lv. _____

Strat
Lv. _____

CITY HALL PARK - NE 11/15/10
 TR. 27 / F. 32 (smaller midden)
 + Builders Trench

- 5' x 2.5' unit dug along E wall of F. 3 (ice house) after dismantling of nearby drains (F. 9-11). See plan view * map p. 2 for exact location by NE ice house corner.
- Unit added to further investigate extent of F. 32 midden ~~underlying~~ ^{outside} of the NE corner of the F. 3 "ice house".
- excavation begun @ 3' below granite retaining wall slabs.

Fea. 32

- 10 yr 3/3-4/3 S&C to midden outside NE corner of F. 3 ~~and underlying the ice house~~ ^{Fea. 32} (11/16: Midden w/in NE corner F. 3 is a separate feature)
- East Portion Outside Ice house: redware, slipware, stoneware, bottle + window glass, pearlware, nails, tin glaze, bone, pipe stems, shell (discarded)

Builders Trench

- Builders Trench associated w/ F. 3 ice house present in .5' border along N and E walls, present full ^{brick} wall depth (4') cutting into west side of Fea. 32.
 ↳ 10 yr 4/3 S&C

Artifacts outside E wall - pipe stems, redware, creamware, bone, shell (discarded)

CITY HALL PARK - NE EXCAVATION

TU 27
F. 32
PLAN VIEW
IN PROGRESS

20' NP

F. 3
("icehouse")

BUILDING FOUNDATION

Separate
Interior
middle
Previously
excavated

TU 27

7.5' 4R 5/4 Sa

X 3.5'

F. 32

7.5' 4R 5/4 Snd

X 6.0'

F. 35

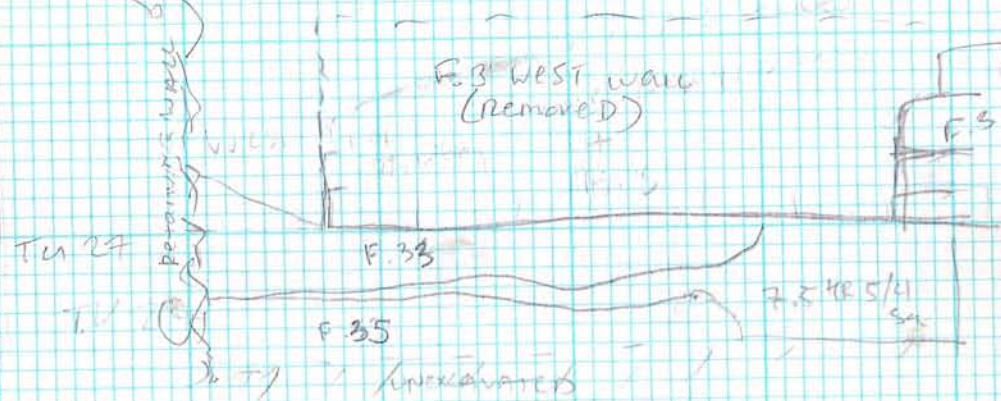
10' 4R 5/4 mottled w/ 5/13

clay lens w/ sand

(icehouse)
F. 3

p. 2 of 2

F. 33 + 35 West Profile Sketch



Features near "Ice House":

- Fea. 32 - 10' 4R 3/8 - 4/3 Sa (to middle lying outside NE corner of F. 3 ("icehouse"), roughly circular, truncated by builder's trench, and bottoming out in spherical pit. Contained w/in TU. 27
- Fea. 33 - 10' 4R 4/3 Snd middle/deposit lying below brick wall & outside SE corner F. 3, atop sand lens dividing it from underlying F. 35. F. 33 continues South to City Hall retaining wall
- F. 34 - 10' 4R 4/3 Snd barrel feature b/in F. 3 in "icehouse" SE corner. Delayed wood lining visible @ 5.5' below granite
- F. 35 - 10' 4R 4/3 + 5/2 Snd middle underlying sandy lens which divides it from overlying F. 33. 18th century deposit abutting City Hall retaining wall w/in TU. 28

City Hall Park
NE vault area
Feature 33

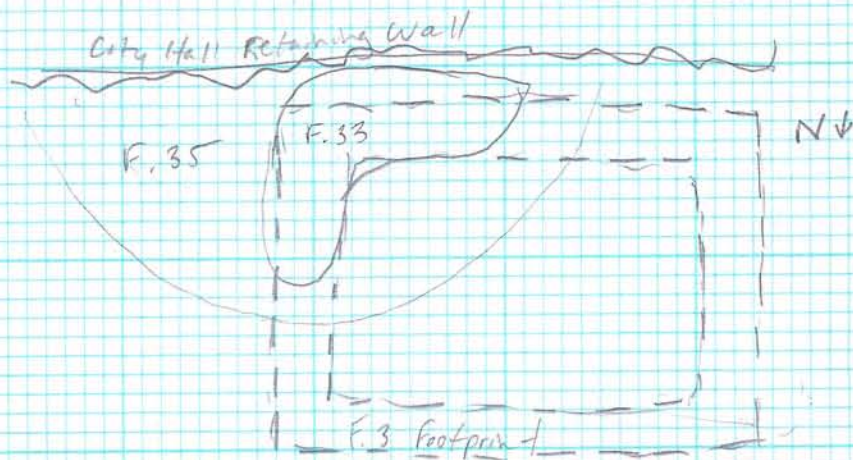
Description

- Mottled 104R $5/4$ Sato + 104R $7/2$ CL midden deposit found below SE brick wall corner of "ice house" F. 3 and partially below + along the ice house South wall and the area South of F. 3 and N. of City Hall Retaining Wall. Overlies Fea. 35. Separated from Fea. 35 by a thin band of 7.5 4R $4/3$ sand, and appears to contain slightly younger artifact deposit.
- Terminates @ 5.7' below granite breezeway slab 5. #
- May be a younger deposit made w/in the wider footprint of F. 35.
- high portion of bone

Artifacts

- Shell, stoneware, redware, creamware, bottle glass, nails, metal button, pipe stems, bone

Plan view sketch

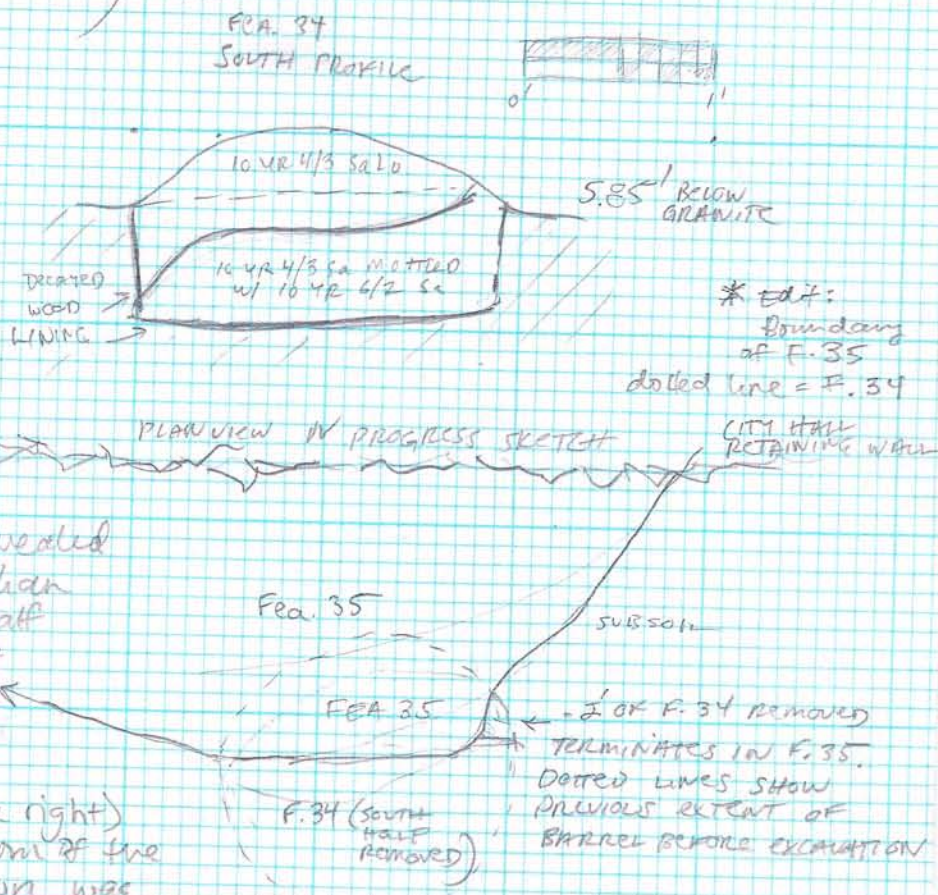


CITY HALL PARK
NE VAULT AREA
FEATURE 34 ('BARREL')

p. 1 of 2

Description:

2' x 2' circle of decayed wood lining around 10 yr 4/3 sa Silo Fill, visible @ 5.5' below granite slabs. Base visible @ surface. Intrusive to F. 35 to the south.



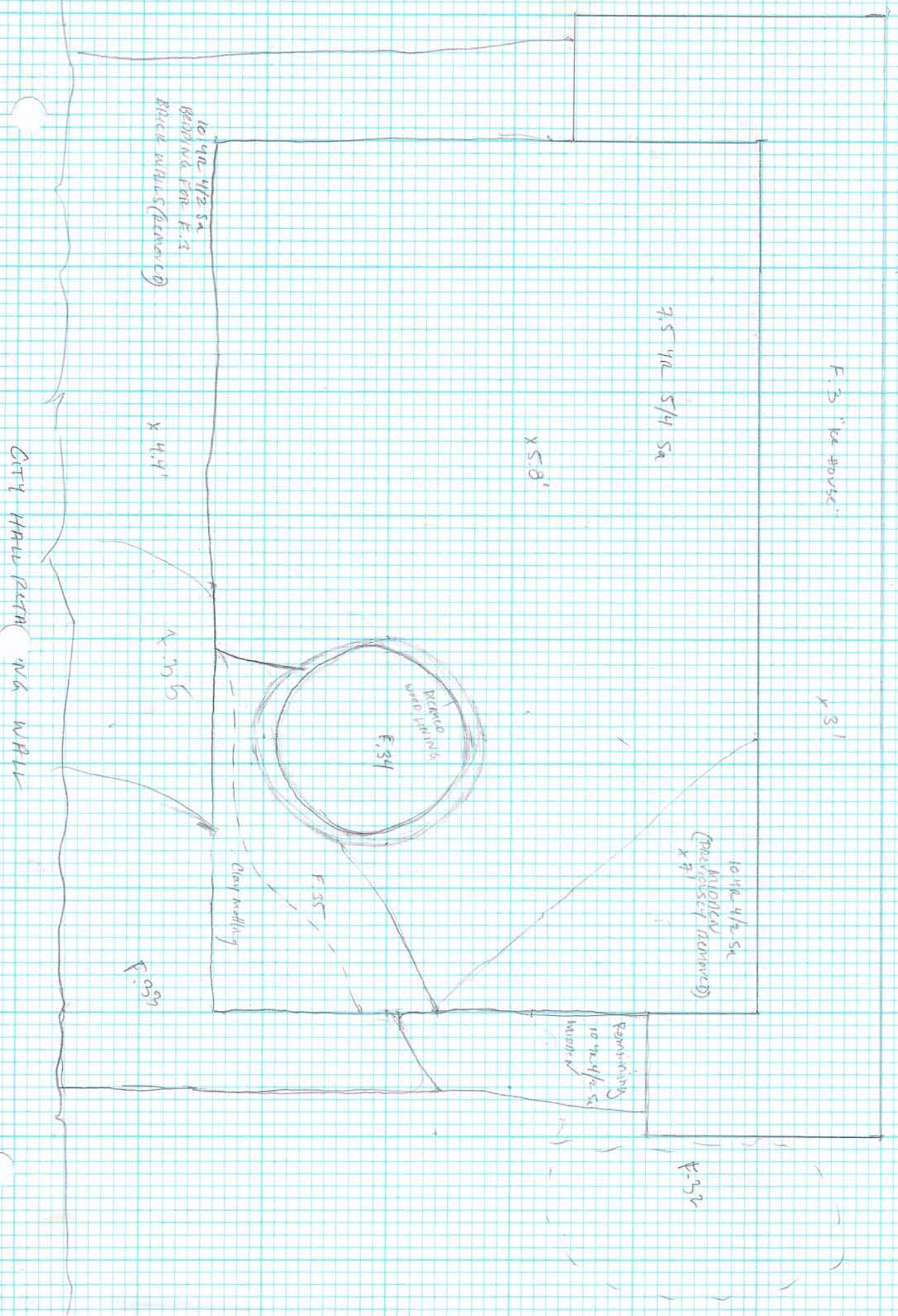
Methods: Backed & work

half removed first. Excavation revealed that barrel was very shallow, less than a foot deep from surface. South half taken out next and revealed that barrel was even shallower than first thought. After about 2' was removed, came upon the outline of F. 35 (see sketch to the right) what was thought to be the bottom of the barrel when profile was drawn was actually the profile of F. 35. - will continue w/ excavation of F. 35

Artifacts:

N 1/2: pipe bowl frag, window glass, creamware, pearlware, bowl
S 1/2: bottle neck, bottle glass

CITY Hall Park
NE VALLEY
Fea. 34
Plan view
10/11/10



Description:

- Feature 35 is an oblong deposit approx 8' x 3' abutting the City Hall Retaining Wall and underlying the SE corner of Fea. 3, the "ice house". Fea. 35 first visible in the profile of the East Ice House wall below another midden-type deposit - F. 33. F. 35 was separated from F. 33 b/c it appears to contain later 18th century artifacts (stoneware plate in SE corner).

Excavation:

- Context 1 - 10 4R 5/2 Silo, some clay mottling located in center of Feature below Fea 33. Moderate artifact density, including patches of large bone. terminates @ 6' above a clay mottled sandy layer (Context 2) that has a much wider extent.
- Context 2 - 10 4R 4/3 silo mottled w/ 10 4R 5/4 clay. Wider extent than Context 1, spanning from TU 28 to close to West wall of F. 3 Ice House bordering City Hall Retaining Wall at South. Appears to have thin decayed wood lining at West edge, w/ some clay mottling extending 2' beyond wood. North border cut by Fea 34 barrel.

11/19/10: 5' x 3' TU-29 cut East of TU 28 to expose Eastern extent of F. 35. North of City Hall Retaining Wall - top .5' of sandy fill pitched w/out screening. F. 35 ends in curve South toward Retaining Wall to form large oblong oval overall plan view, South $\frac{1}{2}$ cut by City Hall Retaining Wall. Drawn and photographed, but not excavated due to 5.8' depth and Amanda's desire to remove Retaining Wall.

Artifacts:

Context 1 - stoneware, red slipware, pearlware, tin glaze, creamware, pins, buckle, shell, bone, rope stems

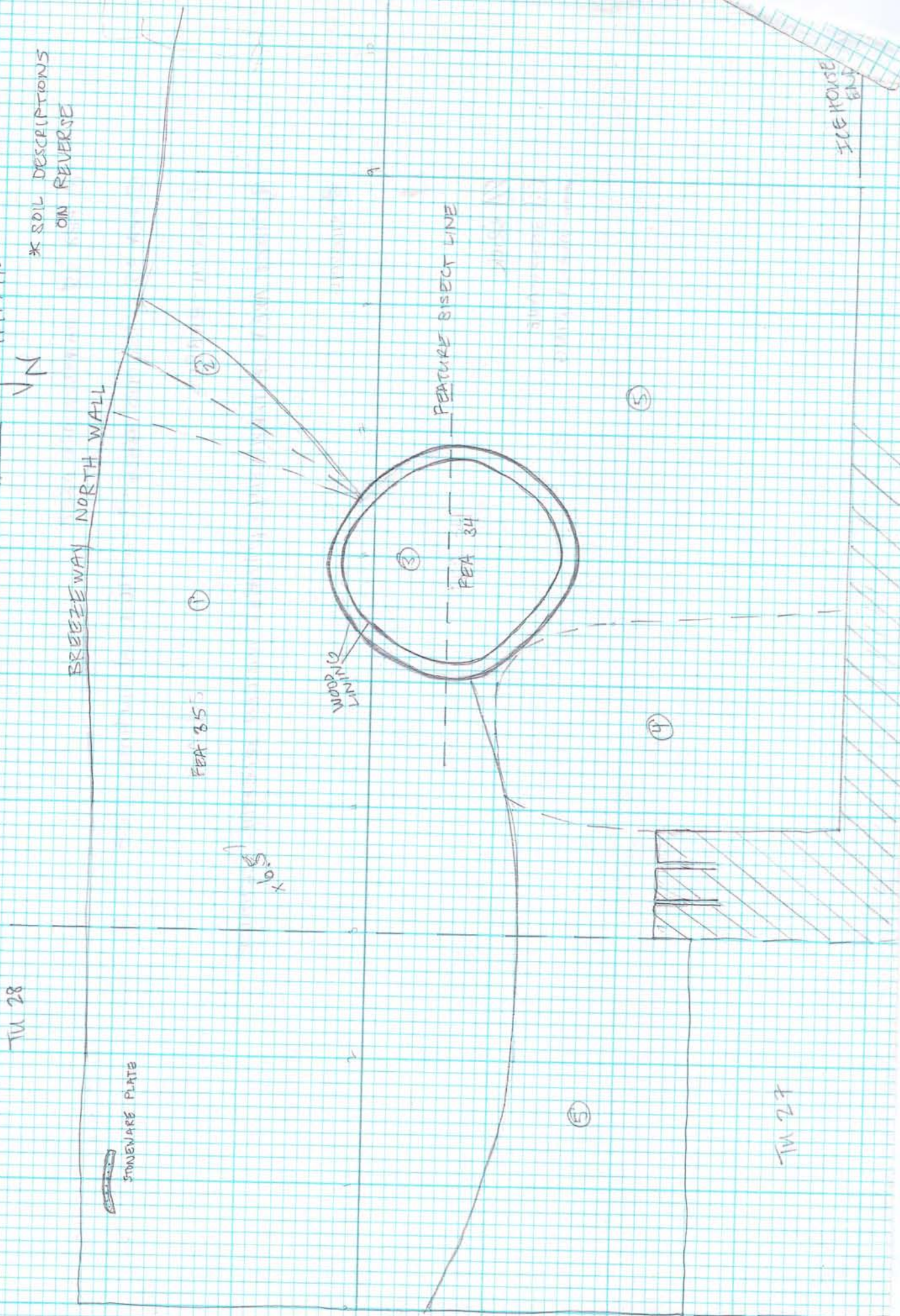
Context 2 - ^{stair} pin, stoneware, window glass, redware, shell, bone + calcine bone, pearlware pipe stems, dipper

CITY HALL PARK
 NE VAULT AREA
 FEA 35 PLAN VIEW (IN PROGRESS)
 FEA 34 OPENING PLAN VIEW
 11/17/10



N

* SOIL DESCRIPTIONS
 ON REVERSE



① FEA 35 - MAIN FEATURE AREA

② FEA 35 - "BUILDERS TRENCH"? - MOTTLED SOIL OUTLINING FEA

③ FEA 39 - BARREL

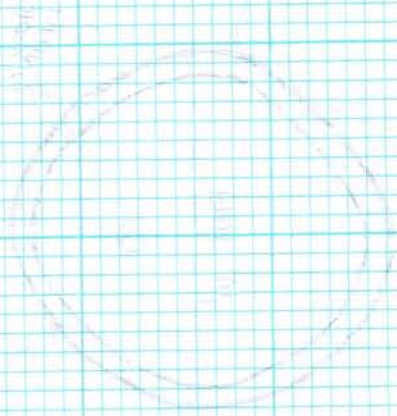
④ GHOST AREA OF PREVIOUSLY EXCAVATED MIDDEN BENEATH ICEHOUSE

⑤ SUBSOIL

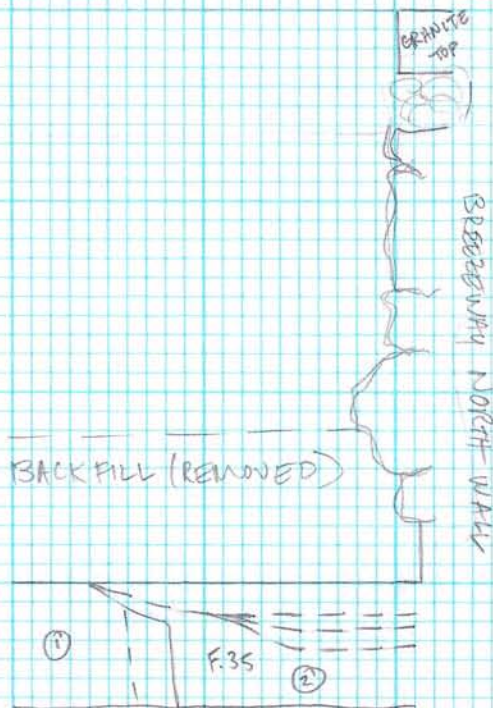
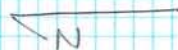
▮ BRICK

▮ STONEWARE

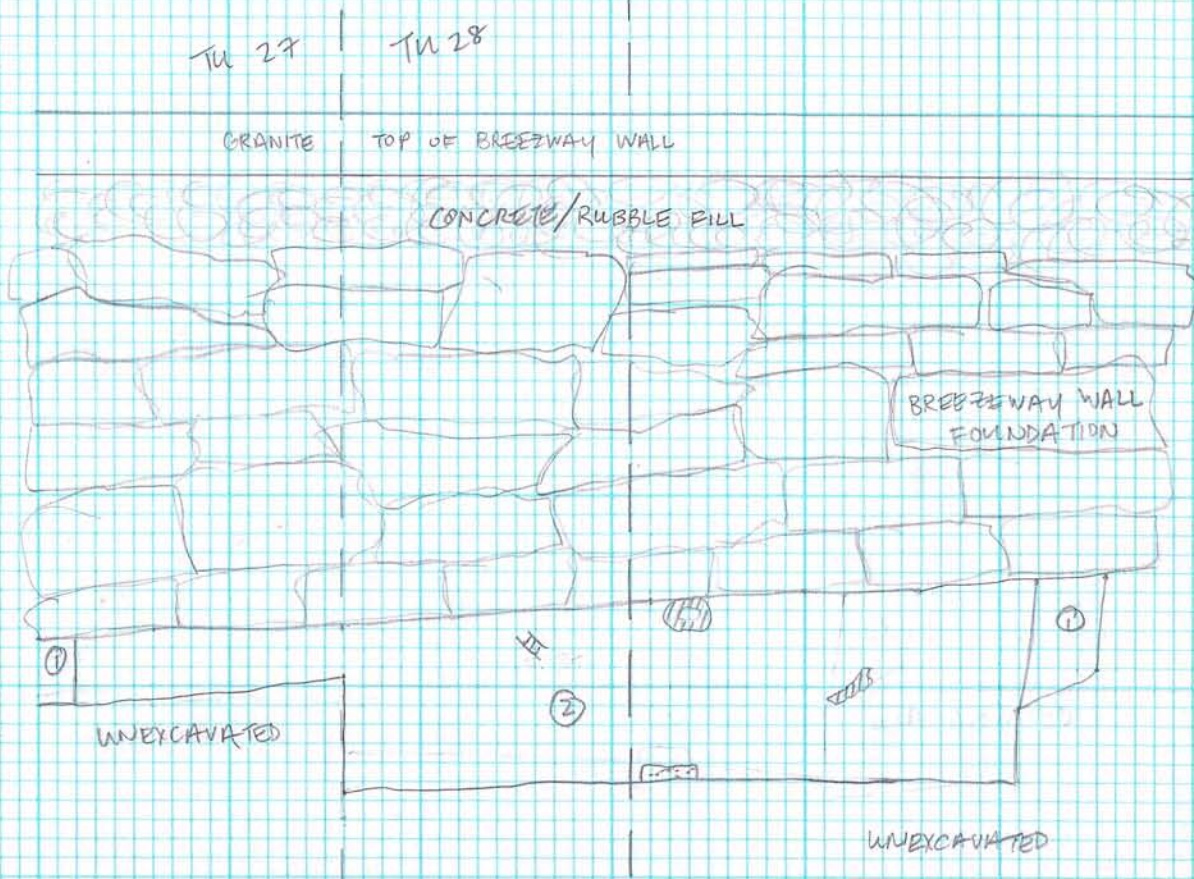
▮ WOOD LINING



FEA 35
SOUTH PROFILE



CITY HALL PARK P# 064
NO VAULT AREA
WALL + F.35
SOUTH PROFILE
11/18/10



① SUBSOIL - NATURAL SAND 7.5 YR 5/4

② FEA 35 - FEATURE FILL 10 YR 4/4 mottled w/ 10 YR 5/8 clay

/// BONE

⋯ BRICK

○ CONCRETE/RUBBLE FILL

CITY HALL PARK
FEATURE 8
Auger Test
8/11/10

Auger	Strat	Munsell	Depth
III	2.5 YR 4/3	7.5 YR 4/3 sand coarse, pebbles incl.	0-3.0' below bottom of excav.
IV	2.5 Y 4/2	Silty Coarse Sand (Wet)	3.0' - 4.1' below bottom of excav
V	10 YR 4/3 m/w	5 Y 4/2 Coarse Wet Sand	4.1' - 5.0' pottery (earware)
VI	2.5 Y 4/1	Ashy Sandy Clay wet	5.0' - 5.1'
VII	2.5 Y 5/4 - 4/4	4/3 fine sand wet	5.1' - 5.8'
VIII	2.5 YR 4/2	weak red clay w/ mica	5.8' - 6.0'
IX	7.5 YR 4/3, 4/4	4/2 sand	6.0' - 6.2'
X	10 YR 4/3, 5/4, 5/4	sand 6/2	6.2' - 8.0'

URS UNIT RECORD FORM

Page of

Project: CITY HALL Site:
 Test Unit #: Feature 9 & 10
 SW Coordinates: N E
 Natural Stratum Arbitrary Level ()
 Circle: (Metric) (Tenths)
 Datum: Surface / String Coordinates: ()
 FS Number(s)

Block:

Unit Dimensions: 5' m x m 5'
 Date: 11.15.10
 Excavators: ECH LG. J
 Methods: travel shovel
 Mesh: (1/4) (1/8)



Fea. 9
sec 1

Deconstruction.
 Strat Context 1: drain: dismantled
 Lv. Context 2: soil in drain 10yr 4/4 sand NCM
 Context 3: soil beneath drain: 7.5yr 4/4 sand structure, pipe stem ★

Fea 9
sec 2

Strat Context 1: drain dismantled
 Lv. Context 2: soil in drain 10yr 4/4 sand ceramic rim ★
 Context 3: soil beneath drain: 7.5yr 4/4 sand NCM

Fea. 9
sec 3

Strat Context 1: drain dismantled
 Lv. Cxt. 2: soil in drain same as above NCM
 Cxt. 3: soil beneath drain same as above NCM

Fea. 9
sec 4

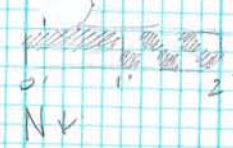
Strat Cxt. 1: drain dismantled arch area abutts Fea. 10 seal
 Lv. Cxt 2: soil inside drain same as above - lead pipe, small bottle ★
 Cxt. 3: soil outside drain/beneath it - 7.5yr 4/4 sand. NCM

Fea. 10
sec 1

Strat Cxt. 1: drain dismantled
 Lv. Cxt. 2: soil inside drain 10yr 4/4 sand copper tack on nail
 Cxt 3: soil beneath drain 7.5yr 4/4 sand ceramic (blue transfer print?)

Strat
 Lv.

Strat
 Lv.



CITY HALL
NE CITY HALL EXCAVATION
Features of #10

Feat. 8
(well)

METAL PIPE

F. 9

0.44
9/13/64

X 2.7'

X 3.3'

COVERED
BRICK
DRAIN FLOOR

X 2.5'

F. 10

X 4'

X 4.05'

7.5' W 4/4 SA

7.5' W 4/4 SA

X 2.55'

BRICK
FLOOR

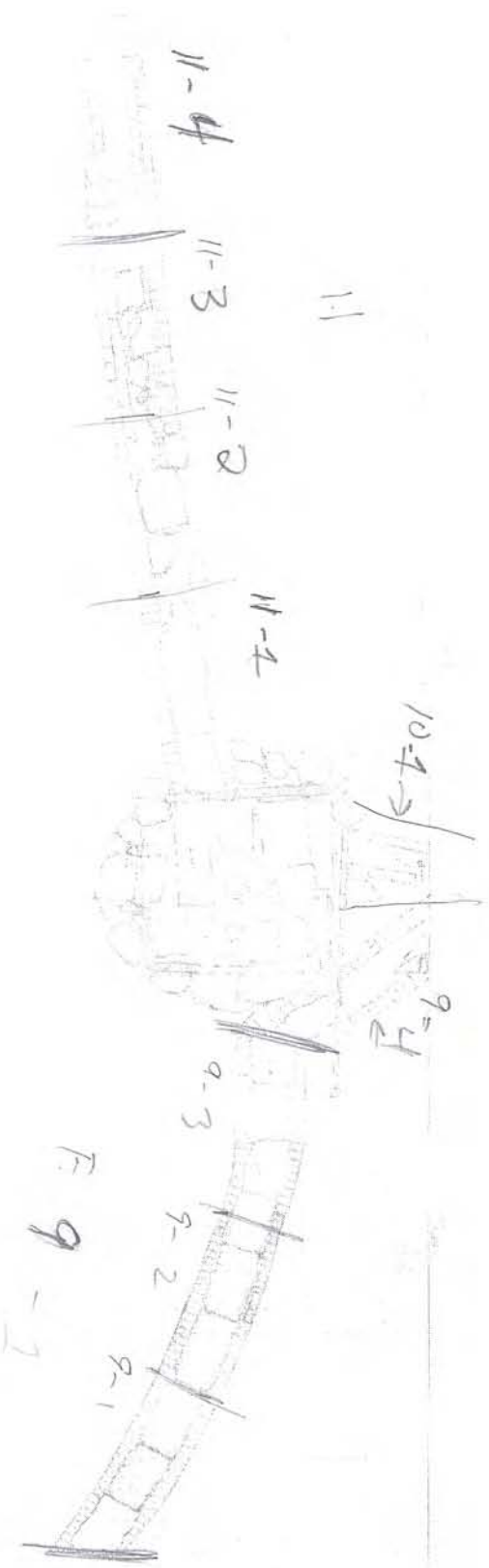
CONCRETE LEDGE
CURB/NORTH BOUNDARY OF NE CITY HALL EXCAVATION

□ - CONCRETE

▨ - STONE

* ALL DEPTHS TAKEN FROM TOP OF CONCRETE CURB/N. HALL BORDER

18.



ELECTRICAL WIREABLE
ACCESS PANEL

5' 0" W
2' 0" H
2' 0" W
2' 0" H

CITY HALL PARK
9-23-2010

(WEST SIDE OF FCA. 2)

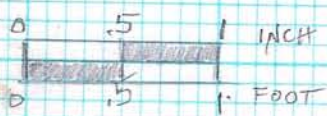
NORTH
ABOVE
F. WALL
FCA. 2

TO CITY HALL & PINK
FOUNDATION (GRANITE)

2 FEET

CONCRETE FOOTER FOR THE
CONCRETE RETAINING WALL

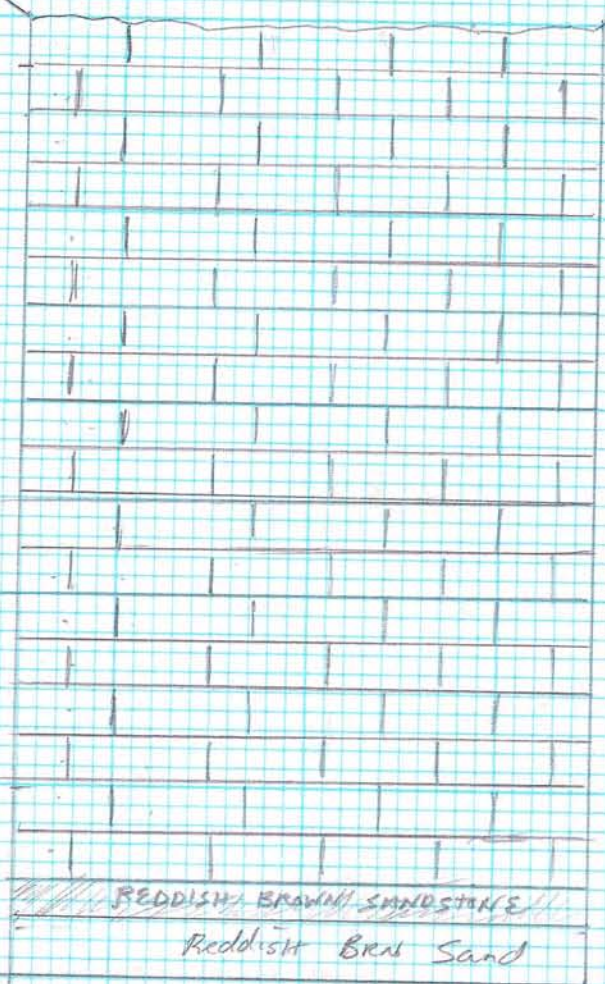
SCALE



CUT AWAY

18 COARSE
OF
BRICK

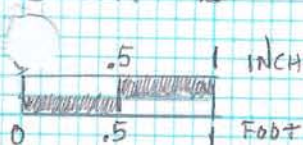
2 BASE
2" SANDSTONE



REDDISH BROWN SANDSTONE
Reddish Brn Sand

9/22/10

SCALE



IRON FENCE

4' LONG GRANITE CAP STONES (9" tall)
(INNER FACE / TOWARD BLDG)

concrete
RETAINING
WALL

1' FOOT THICK
CONCRETE
FOOTING SLAB

REMAINING PROFILE
RESUMES ON
page 2

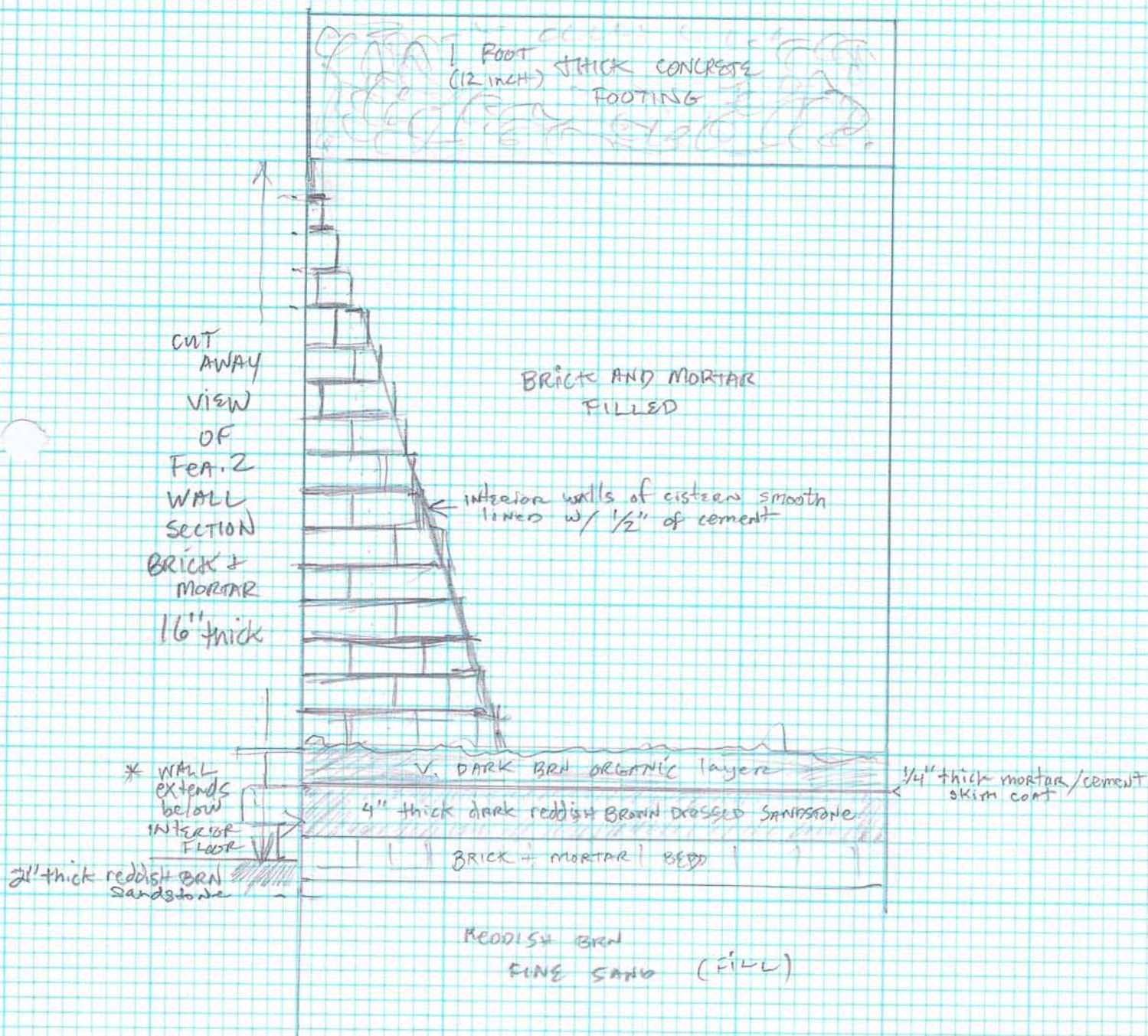
* NOTES ON FEB. 2, ... on this day...

Moved over to the West of last 30 foot wide area to inspect the interior of cistern. Reached the bottom of cistern (interior) and noted a very dark organic deposit about 3/4" thick w/ a few pcs. of window glass, wine bottle glass, and wood & clamshell frags. This base area appears to consist of 4" thick dk reddish brn sandstone slab mortared on inner surf.
* INT. BASE / BOTTOM OF CISTERN IS 8'8" below TOP OF GRANITE CAP UNDER IRON FENCE

A X-SECTION AND/OR PROFILE
OF Fea. 2 (CISTERN)
SOUTH EDGE OF
CIRCUMFERENCE

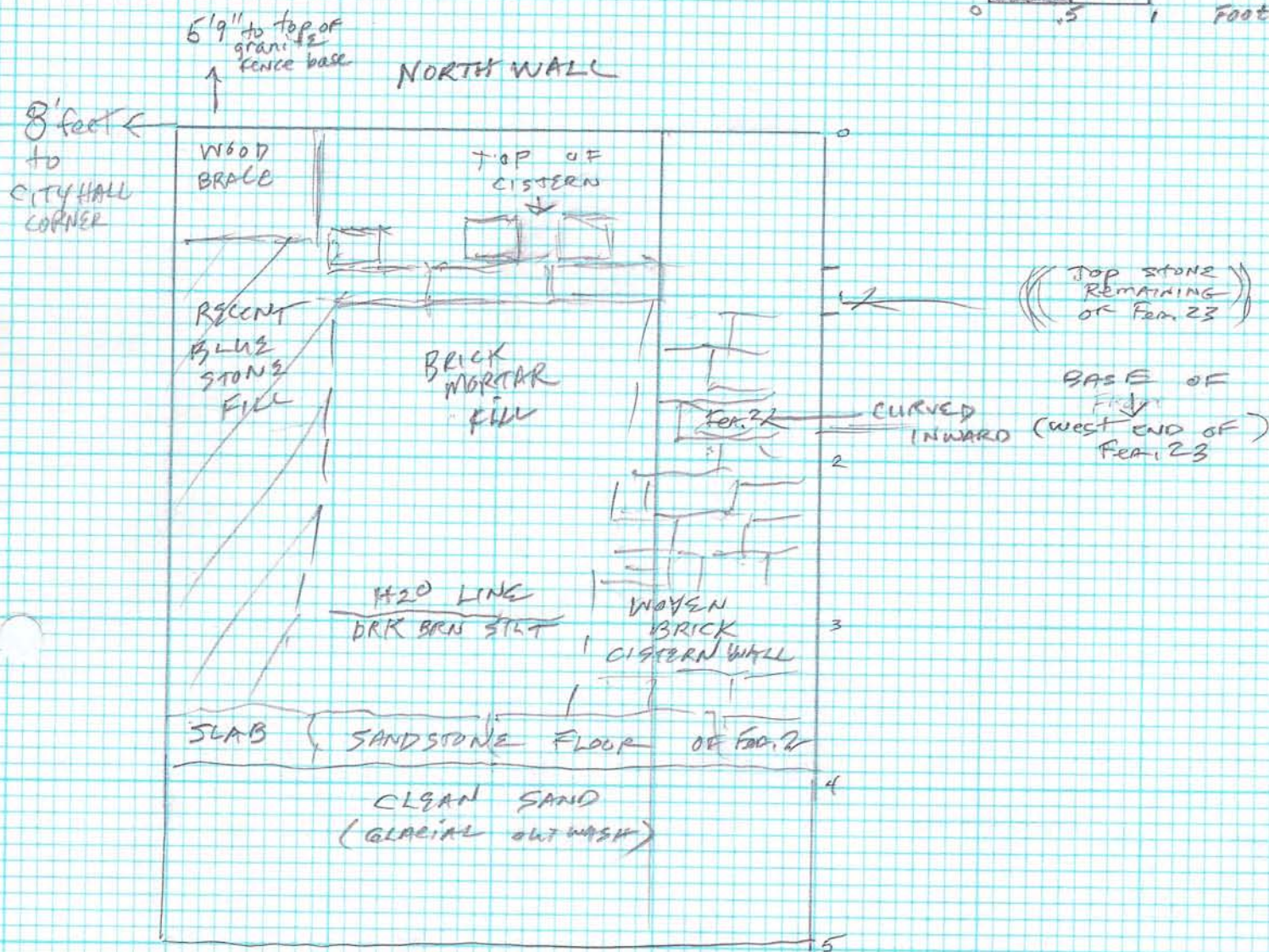
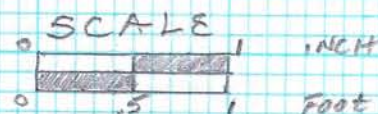
* VIEW IS FACING NORTH

SCALE
1 FOOT
1 INCH



City Hall park
FEA. 2
9/21/2010
CM-DM

CISTERN EXCAVATION (FEA. 2)



* NOTES ON CISTERN

Base of Feature consists of lg. slabs of sandstone w/ mortar on inner surface (slabs are about 4" thick). Sands below feature appear to be clean or w/ cultural materials and are probably undisturbed.

The interface of FEA. 23 and FEA. 2 revealed the west-end to be less than 2' below profile above. PHOTOS TAKEN OF THE NORTH WALL AND WEST END OF FEA. 23, (FEA. 2)

BREEZE WAY NE

all STPS 10 feet apart

STP #1 10' from E wall

0-0.1' STRAT I - Concrete gravel layer

0.1-0.8' STRAT II - 10yr 4/4 sand w/ debris - brick - mortar - concrete

Modern drainage pipe runs through entire breeze way
encountered pipe obstruction @ 0.8'

cannot move STP 1 to the N due to concrete/gravel breeze way wall on
south due to City Hall's N wall

STP #2 20' from E wall

0-0.1' STRAT I - Concrete gravel

0.1-1.0' STRAT II - 10 yr 4/4 SA w/ MORTAR + BRICK RUBBLE

MORTARED BRICKS FOUND UNDER CONCRETE BASE FOR N BREEZEWAY

WALL - STP 2 OPENED FURTHER W. + EXTENDED TO S. BREEZEWAY
WALL TO EXPOSE THESE 2 MODERN METAL PIPES RUNNING E-W FOUND

1.0-2.0' STRAT III - 10 yr 3/8 SA w/ BRICK RUBBLE. MORTARED BRICKS FORM WALL 4 COARSE
DEEP RUNNING E-W + TURNING N-S IN CENTER OF STP w/ 4+ COARSE
N-S EXTENT DUE TO DRAIN PIPE OBSTRUCTION. SINGLE COURSE OF BRICKS
ROUGHLY Laid W. OF BRICK WALL = POSSIBLE FLOOR. SECOND E-W WALL ABUTS
THE N-S WALL UNDER THE PIPES

1.0-2.0' STRAT IV - 10 yr 3/2 ASH + SAND. FILL WITHIN THE 2 E-W WALLS IN THE E 1/2 OF STP 2.

STP #3 34' from East wall

0-0.1' STRAT I - concrete gravel

0.1-1.0' STRAT II - 10 yr 4/4 sand w/ mortar brick

1.0-1.7' STRAT III - 7.5 yr 4/4 sand w/ gravel including STP. unarticulated stone rubble debris present S 1/2 of

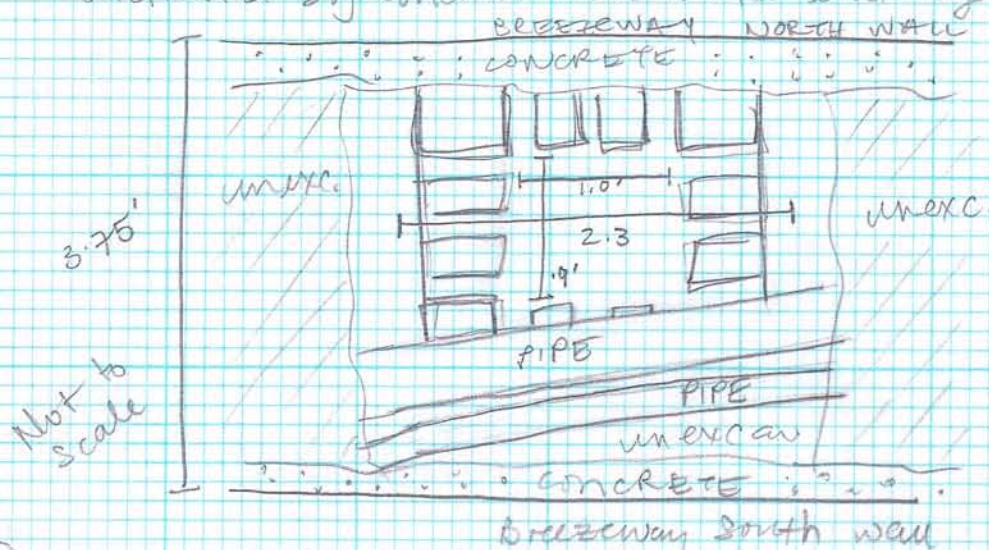
STP #4

STP #4
10' from E wall

CITY HALL PARK
BREEZE WAY
SEP 2
FEATURE 21

9/8/10

FEA 21 uncovered during shovel testing of Breezeway on N. side of city hall. It is a small square structure constructed of brick and mortared into place. Measures 2.3' East to West, and presumably the same N-S, although not exactly certain as the North end is obstructed by concrete and South end by utility pipes. Looks to be contained entirely in the Breezeway.

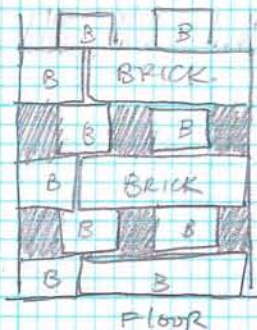


based on known width of East and West walls. Depth of interior space is 1.35', and interior width is 1.0' (E-W) and .9' (N-S). Elev of Fea surface is 5.2' below granite top of breezeway N. wall.

Uncovered during SEP 2, West half exposed. STP then extended eastward in order to expose rest of feature. NW and NE corners look to be squared with walls constructed of bricks spaced about .15-.20' apart. Spacing seems to be intentional. Interior walls reveal the pattern sketched below. Floor of structure constructed of brick as well and appeared after only 6 courses.

North wall profile

not to scale



Floor

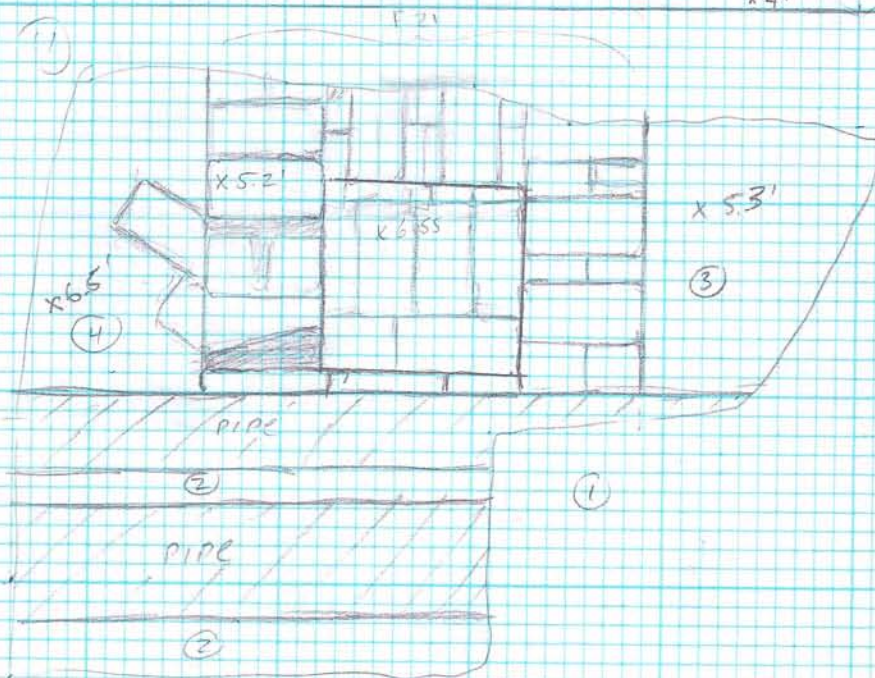
SOIL: Two different soil matrixes excavated w/in feature, a brown sandy silt loam (10 YR 3/3) was first strat w/in feature (strat III of STP) ended .8' below surface of FEA. Below was a black, moist silty loam very organic soil (10 YR 2/1), strat IV of STP. Both strats screened and artifacts collected. Similar artifacts in both strats (i.e. glass, metal, bone)

CITY HALL
N. BREEZEWAY

STEP 2

FEB. 21

0 1' N ↑ NORTH BREEZE WAY WALL



SOUTH BREEZE WAY / NORTH CITY HALL WALL

■ MORTAR

□ METAL

① STRAT I - CONCRETE GRAVEL

② STRAT II - 10 YR 4/4 SK W/ MORTAR + BRICK RUBBLE

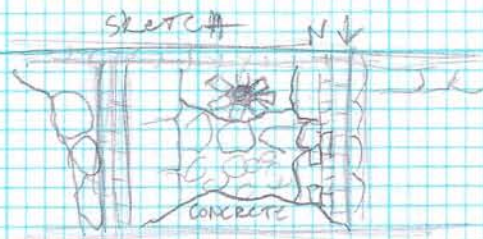
③ STRAT III - 10 YR 3/3 SK W/ BRICK RUBBLE

④

CITY HALL
N. BREEZE WAY

9/10/10

FEATURE 22



DESCRIPTION: DURING STD DIGGING INSIDE THE BREEZE WAY NORTH OF CITY HALL, FOUND SERIES OF ARTICULATED BRICKS REVEALED DURING CONSTRUCTION CREW REMOVAL OF CONCRETE BREEZE WAY FLOOR. CLEANING REVEALED E-W BRICK COARSE PARTIALLY UNDER THE CITY HALL WALL FOUNDATION & 2 SEGMENTS OF N-S BRICKS 6' APART (SEE FORMAL PLAN VIEW). EACH SEGMENT IS 2 COARSE WIDE AND 3 COARSE DEEP BEFORE COMING TO REST ON .4'-.8' WIDE N-S STONE BASE. BETWEEN THE 2 BRICK SEGMENTS LIE 1.2'-1.8' THICK STONES ALSO RUNNING N-S AND COVERED W/ VERY DENSE MORTAR - REMNANTS OF BRICKS THAT HAD BEEN ^{STUCKED} 1 COARSE HIGHER THAN THE VISIBLE OUTER BRICK SEGMENTS STILL VISIBLE IN THIS MORTAR. A 3.8'x1.9' PORTION OF MODERN CONCRETE STILL PRESENT ALONG NORTH BREEZE WAY WALL - COULD NOT REMOVE THIS WITHOUT JACK HAMMER. CENTER SECTION OF FEA. 22 IS STONE RUBBLE ENDING AT 3 EVENLY LAID STONES COVERED IN DECAYED MORTAR SOUTH OF THIS STONE LINE LIES A .6' DIAMETER BRICK-LINED CIRCLE OF DARK, RICH LOAM 2/1 LOAMY SOIL. THE SURROUNDING BRICKS ARE 1 COARSE DEEP & MORTARED IN PLACE.

Below the E-W running bricks under CITY HALL'S NORTH WALL ARE 2 STONE FOOTER SLAB COARSE. .35'-.5' THICK. UNDER THE SECOND COARSE, ON THE WEST SIDE OF FEA. 22, RUNS A LINE OF STONE SLABS EXTENDING .8' NORTH BEYOND THE OVERLYING SLABS. THIS LINE LIKELY RUNS ALONG THE ENTIRE REMAINING SOUTH BREEZE WAY WALL WEST OF F. 22 AS PART OF CITY HALL'S ORIGINAL FOUNDATION. EAST OF F. 22 IN THE SAME SECTION ALONG THE SOUTH BREEZE WAY WALL IS A SMALL AMOUNT OF REMAINING MODERN CONCRETE ABOVE THE SAME BRICK COARSE AND STONE CITY HALL FOUNDATION, EXCEPT TERMINATING AFTER 2 STONE COARSE IN VERY DENSE MORTAR THAT DOESN'T APPEAR TO EXTEND BEYOND 2.6' EAST OF FEA. 22. PROBABLY TRUNCATED BY INSTALLATION OF MODERN PIPE TO THE EAST.

ANALYSIS: OUTLINE OF F. 22 MATCHES A BRICKED-UP DOORWAY VISIBLE IN CITY HALL'S BASEMENT - THIS MAY BE AN ENTRANCE WAY TO THE ORIGINAL CITY HALL, PRE-BREEZE WAY.

- * .6' DARK SOIL EXCAVATED; BRICK-LINED VERTICAL DRAIN DESCENDING .65' INTO A METAL PIPE WHICH APPEARS TO TURN NW.

ARTIFACTS: STONEWARE, 18TH CENT. SHOE BUCKLE

CITY HALL
N. BREEZE WAY
FEA. 22 PLAN VIEW
9/10/10
EK, LG

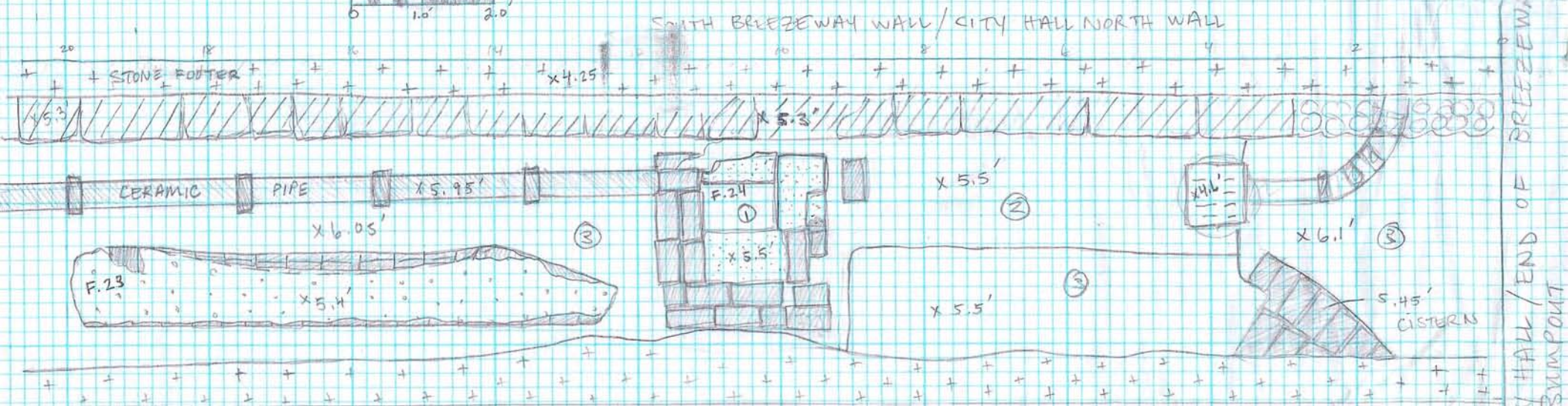
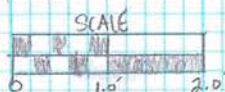


- + + - CONCRETE
- STONE
- MORTAR
- BRICK

- ① 10 YR 3/8 SAND
- ② 10 YR 2/1 SILTY LOAM
- ③ 10 YR 3/1 SANDY LOAM
- ④ 7.5 YR 4/4 SAND MOTTLED w/ 10 YR 3/2 SANDY LOAM

*ALL DEPTHS TAKEN FROM GRANITE TOP OF BREEZEWAY WALL

CITY HALL PARK
N. BREEZEWAY
FEATURE 23 + 24 PLAN MAP
9/16/10
LG EKao



- CONCRETE
- MORTAR
- BRICK
- STONE

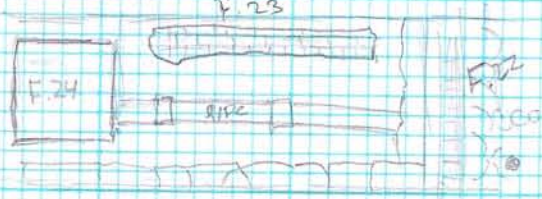
- ① 10 yr 3/3 sals mortar w/ 10 yr 2/1 silo feature fill
- ② 10 yr 3/2 silo possible builder's trench
- ③ 7.5 yr 4/4 sand

CITY HALL / END OF BREEZEWAY
BUMPOUT

CITY HALL
N. BREEZE WAY
FEATURE 23

9/10/10

SKETCH: N ↑
F. 23



DESCRIPTION: 7.2' by 1.1' ^{MORTARED} BRICK WALL/FOUNDATION SECTION NEXT TO THE N. BREEZE WAY WALL, 3 COARSE THICK RUNNING E-W. THE SOUTH/WEST/EAST ENDS OF THE FEATURE ARE ROUGH AND APPEAR TO HAVE BEEN CHIPPED OR PICK-AXED AWAY - THE SOUTH POSSIBLY TO MAKE ROOM FOR A E-W RUNNING CERAMIC PIPE ADDED IN, THE EAST FOR THE ADDITION OF FEATURE 22, AND THE WEST FOR CONSTRUCTION OF FEATURE 24. A BIT OF ^VORTION OF THE SOUTH FACE IS INTACT + CLEANLY FINISHED, INDICATING 1.1' WAS THE MAXIMUM WALL WIDTH. 3 VISIBLE COARSE DEEP, PRODS INDICATES SEVERAL MORE COARSE.

ANALYSIS -- WALL/FOUNDATION THAT PRE-DATES THE NEARBY ^{CERAMIC} PIPE, F. 22, & F. 24.

- PROBABLE ASSOCIATION W/ ORIGINAL CITY HALL CONSTRUCTION

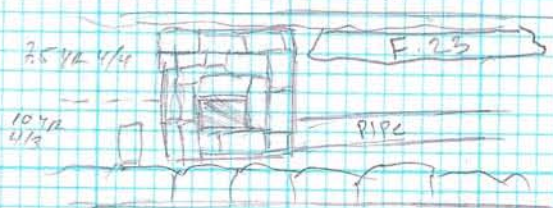
ARTIFACTS: NCM COLLECTED

ORY HALL
N. BREEZE WAY
FEATURE 24

9/10/10

SKETCH:

N ↑



DESCRIPTION: 2.2' x 2.6' RECTANGULAR BRICK STRUCTURE WEST OF F. 23 + E OF F. 2 (CISTERN). ROUGHEN LAIN OR DAMAGED - WALLS NOT VERY EVENLY FACED. A 1' x .8' SECTION IS OPEN NEAR THE SOUTH HALF OF THE FEATURE. 3 VISIBLE COARSES DEEP W/ MORTAR ON TOP - ~~WAS~~ ORIGINALLY BUILT HIGHER. CERAMIC PIPE RUNNING E-W ENTERS A HOLE IN E SIDE OF FEATURE, BELOW THE SMALLER INTERIOR OPEN BOX. INTERIOR BOX IS FILLED W/ 10 1/2 1/2 SANDY LOAM. WEST EDGE OF FEATURE NOT CLEARLY DEFINED - VISIBLE Laid BRICKS 2 COARSES DEEP BUT NO CLEAR MORTAR/CONCRETE BRICK TO FORM AN EVEN WALL FACE W/ FEA. 24. A 2.5' 1/2 1/4 SANDY FILL LIES TO THE WEST OF THE FEATURE, WHILE A DARKER MOTTLLED LINE RUNS E-W TO THE SOUTH OF IT. - POSSIBLY A BUILDERS TRENCH FOR CITY HALL N. WALL OR FOR THE PIPE VISIBLE TO THE EAST.

"JJJ" STAMPED V. LIGHTLY ON 2 BRICKS; NO STAMP BORDER LIKE OTHER BRICKS SEEN ON SITE. LABELED

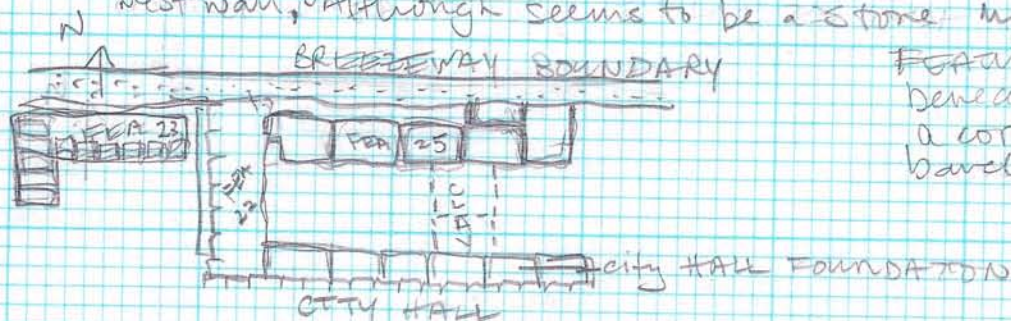
ANALYSIS - THIS FEA. LOOKS LIKE A LARGER VERSION OF THE 2 SMALL BRICK BOXES FURTHER EAST IN THE BREEZE WAY. B/C OF THE PIPING CONNECTING THEM, THEY MAY ALL REPRESENT A WATER MANAGEMENT SYSTEM FOR RAIN AND/OR CISTERN WATER. THIS IS LIKELY AN OLDER VERSION OF THE SAME SYSTEM CONSTRUCTION DUE TO METAL PIPING INTO OTHER 2 BOXES & THEIR USE OF NEWER "ROSE" STAMPED BRICKS.

ARTIFACTS - NCM COLLECTED

CITY HALL
FEA 25

9/20/10

Feature presented as a section of stone beneath FEA 22. Discovered during excavation of the interior. East wall of 22 then removed to further expose FEA 25. This feature extends further east than the boundary of FEA 22. The westernmost edge intersects w/ FEA 22. west wall, although seems to be a stone missing. Eastern most end of



FEA 25 seems to turn northward beneath BREEZEWAY WALL, forming a corner. Depth of wall barely exceeds 1'; Surface: 6.15'; Base: 7.25'

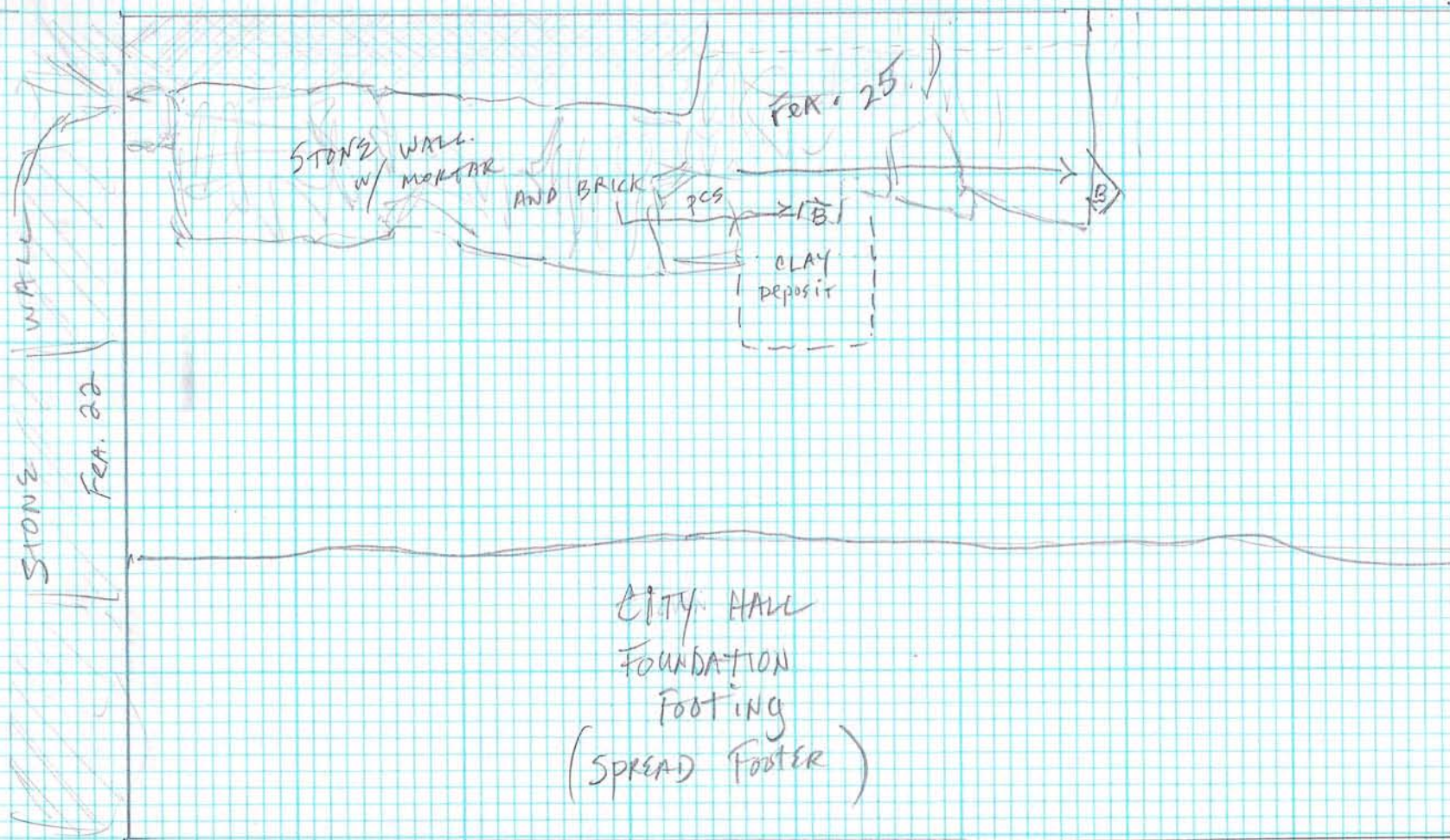
FEATURE 25 at first thought to be a continuation of FEA 23, Brick feature to the west of FEA 22. However structural composition and material make it unlikely. FEA 25 constructed of 3-4 courses of large angular flat stones w/o footer. FEA 23 constructed of brick and mortar, 3 courses and sitting on top of stone footer. Additionally, seems likely that Feature is an earlier structure than FEA 22. Western end is partially destroyed by base of FEA 22, and goes below FEA 22. Appearance of clay soil south of Feature seems very strange, is cut on either side and goes into south face of FEA 25. Will excavated clay as soil anomaly.

CITY HALL PARK
9/19/2010
CM - DM

↑ N

SCALE
0 0.5 1
INCH
FOOT

PLAN VIEW
FEATURE 25



CITY HALL

9/28/10

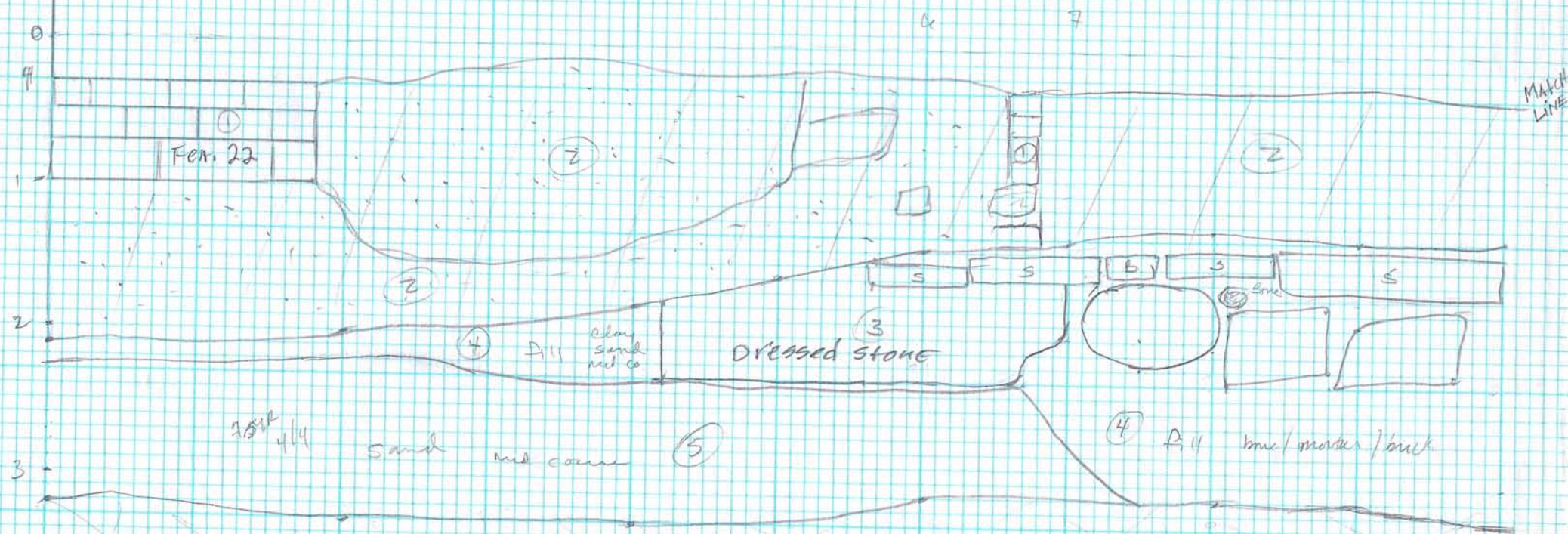
FEA. 24

WALL
under
BREZEWAY

- ① Fea. 22 back "Driveway"
- ② concrete
- ③ stone
- ④ Fill - cone, mortar, brick
- ⑤ sand fill clean.

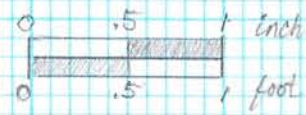
N. Brezeway

9.23.10



CITY HALL PARK
9/24/10
CM-DM
FEA.20
WALL
UNDER
BREEZEWAY

TV. BREEZEWAY
9-24-10

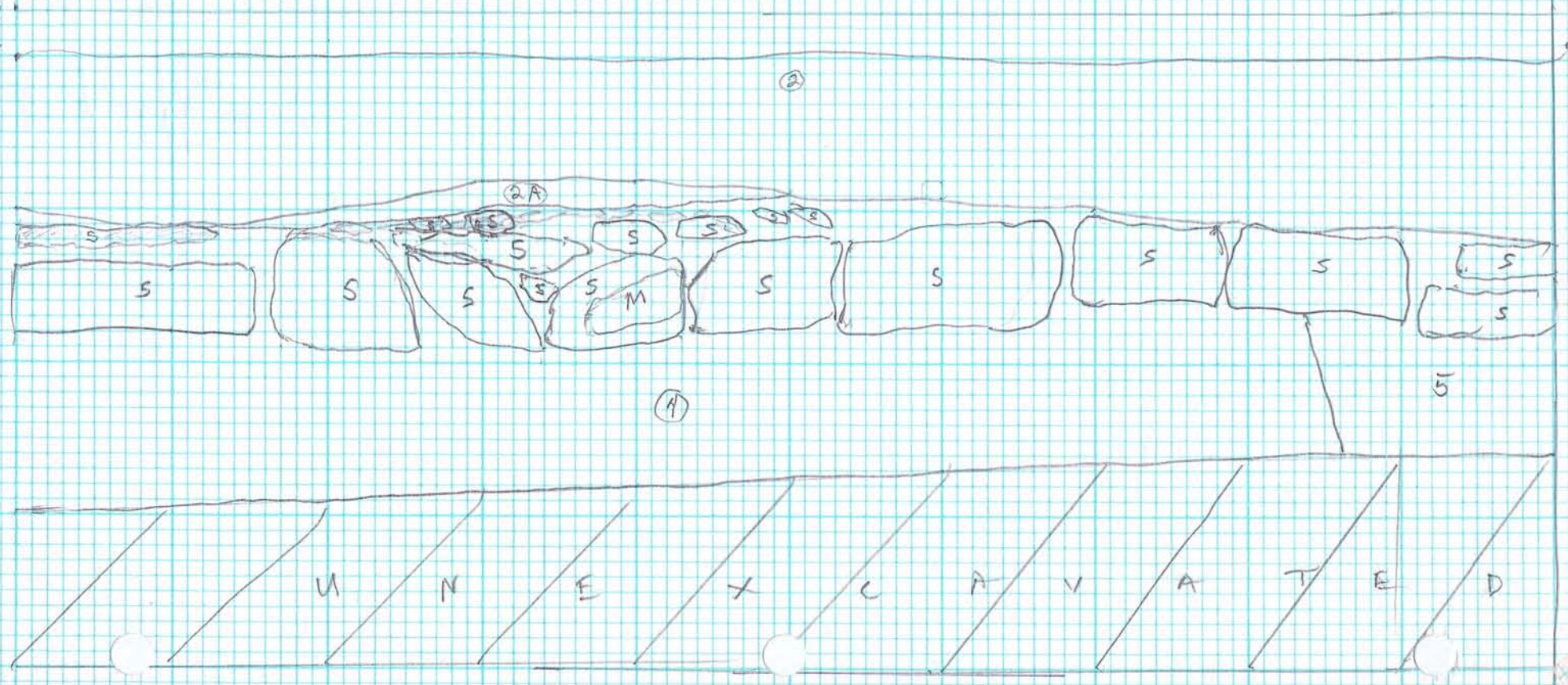


2 3 4 5 6 7 8 9

- (2) Concrete
- (2A) Rubble fill
- (3) Stone wall
- (4) Fill, bone, shell, mortar, cobbles and brick
- (5) sand fill clean
- M MORTAR
- S STONE

MATCH LINE

MATCH LINE



CITY HALL PARK
STP / BREEZEWAY

9/14/10

STP's excavated within North Breezeway, after removal of fill by backhoe.

STP A: excavated below brick box discovered during upcavation of STP 2 on 9/9/10. First needed to remove box which was very difficult due to structural nature. Bricks were laid using mortar, required sledgehammer and pickaxe to remove. STP excavated to more than 3' and no artifacts were recovered.

STP B: excavated beneath second brick box discovered about 4-5' west of first brick box. Encountered ceramic pipe running E-W (2.7 b.s.) in the south of the STP. Very few artifacts recovered.

STP C: excavated along the east of FEA 23, to explore depth of feature. FEA 23 is 2.5' deep. Artifacts from STP include bone, salt glaze stone ware, bone button blanks, white ware. Strat III sits below Feature 23 but contains clay. Strange as subsoil/sterile in breezeway normally consists of pure sand. Ceramic pipe uncovered running east-west out of feat, 2.0' below top of feat.

STP D: center of FEA 23.

CITY HALL PARK
STP / BREEZEWAY

9/14/10

STP is excavated within North Breezeway, after removal of fill by backhoe.

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STP D: center of FEA 23.

CITY HALL PARK

19632074.000008

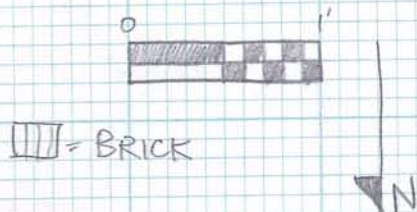
June 7-10, 2010

Trench II

Test Unit II

WEST PROFILE

6/9/10 E.KAO

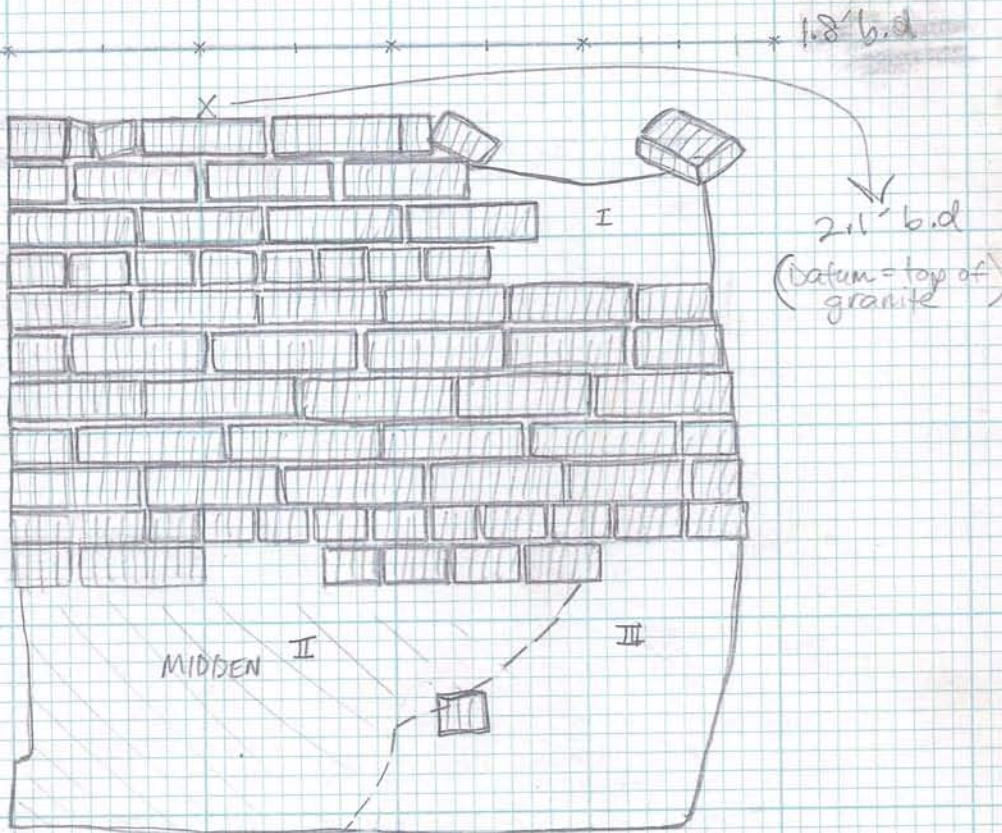


||||| = BRICK

I - 10 YR 3/3 Dark Brown
very coarse sandy silt
some sub-angular
rock inclusions, small
($\approx 5\%$ incls.), compact

II. MIDDEN - 10 YR 4/3
coarse sandy silt, compact

III. 7.5 YR 4/4
very coarse sand,
loose, not compacted

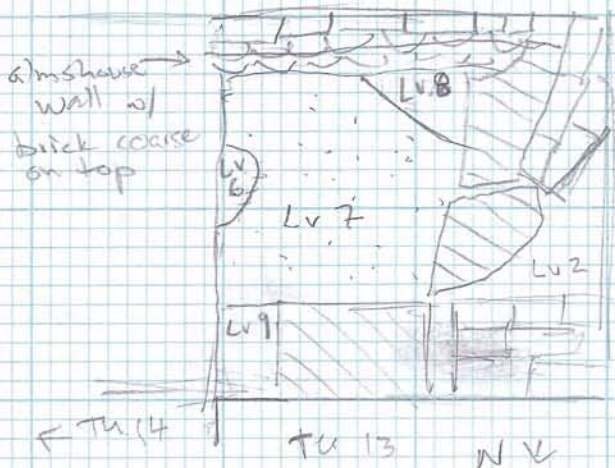


7.5 YR 4/4 Brown

b/16

TU 13

Plan view Sketch @ 3.1'



- Clay level 6 slopes lower toward the West half of unit. a ~~small rectangular pocket of Lv 6~~ ~~drops .5' lower in center of TU 13 into underlying sandy Lv 7 (see TU 14 W. profile)~~ ~~Removed as Lv 6~~

- Lv 9 continues under flagstones in North wall .2' into underlying sandy Lv 7.

- Lv 8 mottled clay and sand fill in SW unit corner @ 3.1', end at 4.55' b.d.

Level 7: closed at 5.05' b.d.

- Profiles of NW + W walls drawn; excavation halted at flagstones to show architectural features

* ARE WALL ALONG GRANITE + IRON FENCE HAS SHIFTED SLIGHTLY. THIS HAS RAISED THE DATUMS TIED TO THE FENCE BASE BY ABOUT .1' *

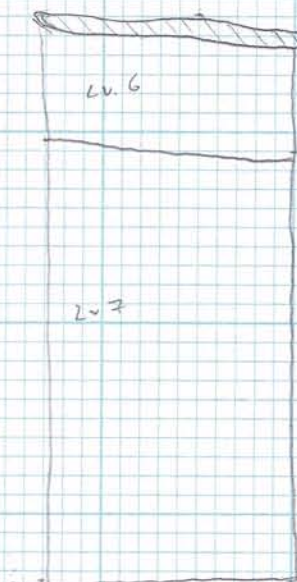
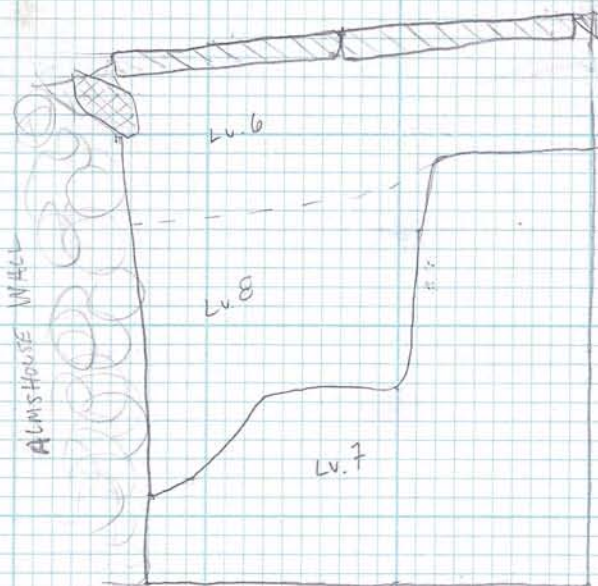
CITY HALL PARK
16 JUNE 2016
TRENCH 1
TU 13 NW & W PROFILES
LG



NORTH WEST PROFILE (VISIBLE B/C TU 13 ONLY
EXCAVATED TO FLAGSTONES;
LEFT IN PLACE TO DISCLOSE
ARCHITECTURAL FEATURES)

NORTH PROFILE (TRUNCATED DUE TO PARTIAL TU 13
EXCAVATION)
14' 9" BELOW
APE EDGE

18' BELOW
APE EDGE



FLAGSTONE

LOOSE STONE

ALMSHOUSE WALL

LV. 6 - 10 YR 4/6 CLAY, V. COMPACT, DENSE, NO INCLUSIONS

LV. 7 - 7.5 YR 4/4 V. COARSE SAND, V. LOOSE, NO INCLUSIONS

LV. 8 - 10 YR 4/6 CLAY MOTTLED W/ 7.5 YR 2.5/2 SAND, LOOSE, NO INCLUSIONS

4/14

TU 14

Builders Trench = Lv 4

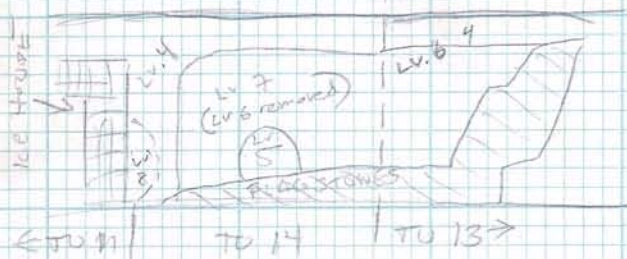
Ash Pocket by Flagstones = Lv 5, narrowed to small circle and ends @ 4.65

Clay = Lv 6, removed to reveal sand (Lv 7)

Sand = Lv 7, underlies Lv. 4, 5, + 6 @ 3.22' BD

Level 8 - ash pocket w/in level 4 on East side of unit, west of ice house west wall. - starts ends @ 4 ft b.d. 3.7' b.d.

Level 9 - small clay pocket, below flagstones, starts @ 2.5' b.d. ends at 3.9' b.d.



6/15: Flagstones removed, fill to bottom of almshouse wall; TU 14 West wall profiled

TU 13

clay mottled sand

Lv. 5 - poss. builders trench along South wall bricks atop almshouse wall removed to 3.27', then texture change to sandy Lv. 4. In TU 14 this was all removed as Lv 4 as well because

Lv 4. - s.s. still occupying same space as a builders trench along South wall (visible in TU 14 W. Profile)

When excav. TU 14, only appeared for about .25' at the surface of unit midway along the south boundary of the unit. Thickness of sandy clay increased as it went westward in builder's trench toward TU 13. In TU 13, designated as its own level (5) * not to be confused w/ Level 5 of TU 14, which was round stain on top of clay level 6.

Level 6 - uniform throughout unit except for two areas. along E wall clay dips deeper as can be seen in profile. Initially attributed to brick disturbance and fill nature of units, not to post feature. Along western boundary clay dips below sand surface along flagstones, see plan sketch

CITY HALL PARK

1963-2074

TRENCH I

TU 14

WEST & NORTH WALL PROFILE

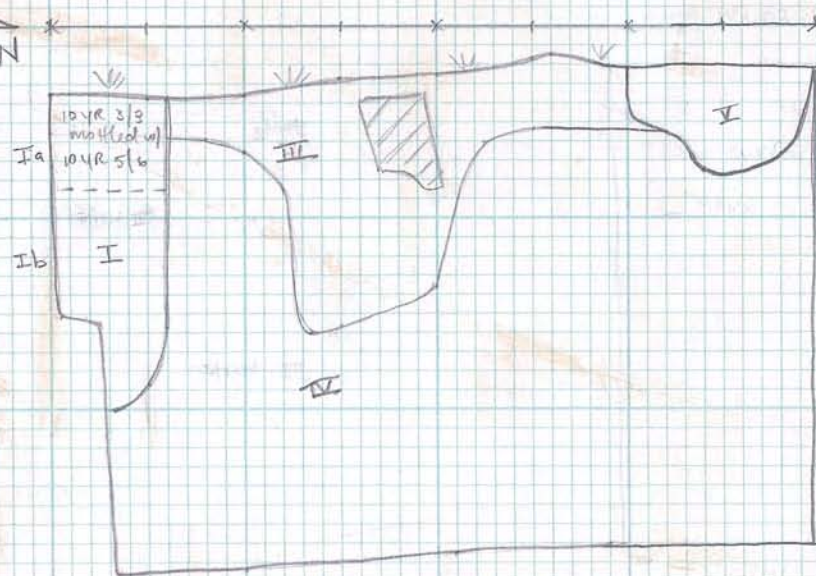
7/15/10 EK



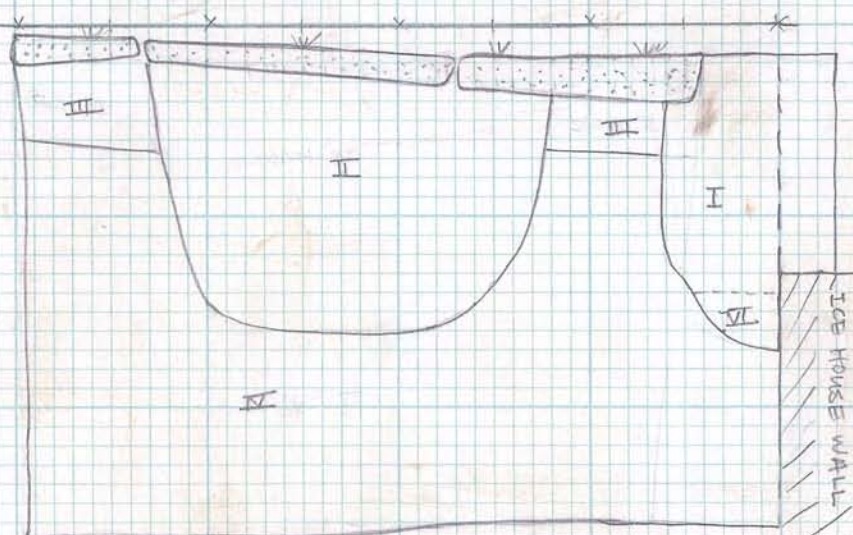
TU 14 WEST PROFILE

APL = 2.3' b.d

TU 14 NORTH PROFILE
* (PRE-REMOVAL of Flagstones) *



Flagstone
Brick
Surface



approved

- I. Level 4 - 10 YR 3/3 coarse silty sand, small angular rock inclusions (≈ 20%)
(BUILDER'S TRENCH) somewhat compact
- II. Level 5 - 10 YR 4/4 mottled w/ 10 YR 4/2 coarse sandy clay
(Post mold) somewhat compact, med cobbles, small pebble inclusions (≈ 15-20%)
- III. Level 6 - 10 YR 4/6 clay
very compact, dense, no inclusions
- IV. Level 7 - 7.5 YR 4/4 very coarse sand
very loose, not compact, no inclusions
- V. Level 9 - 10 YR 3/2 mottled w/ 10 YR 4/4 sandy clay
somewhat compact, no inclusion (prob disturbs due to flagstone above)
- VI. Level 8 - ash pocket along E. boundary of unit 14, 10 YR 3/2, very loose fill

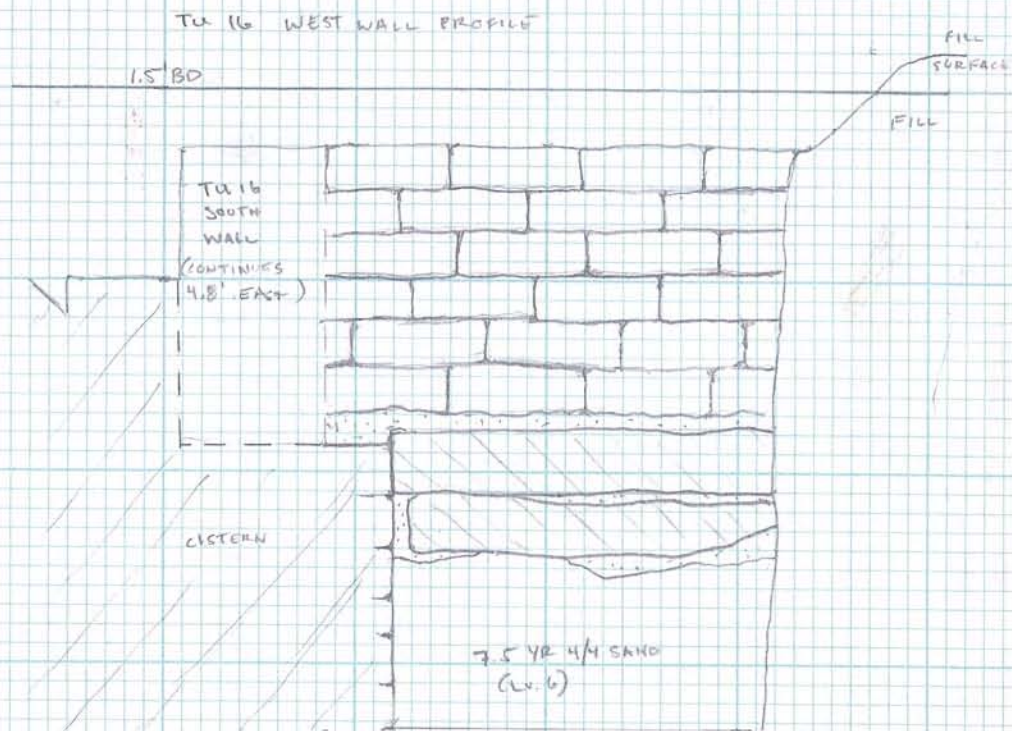
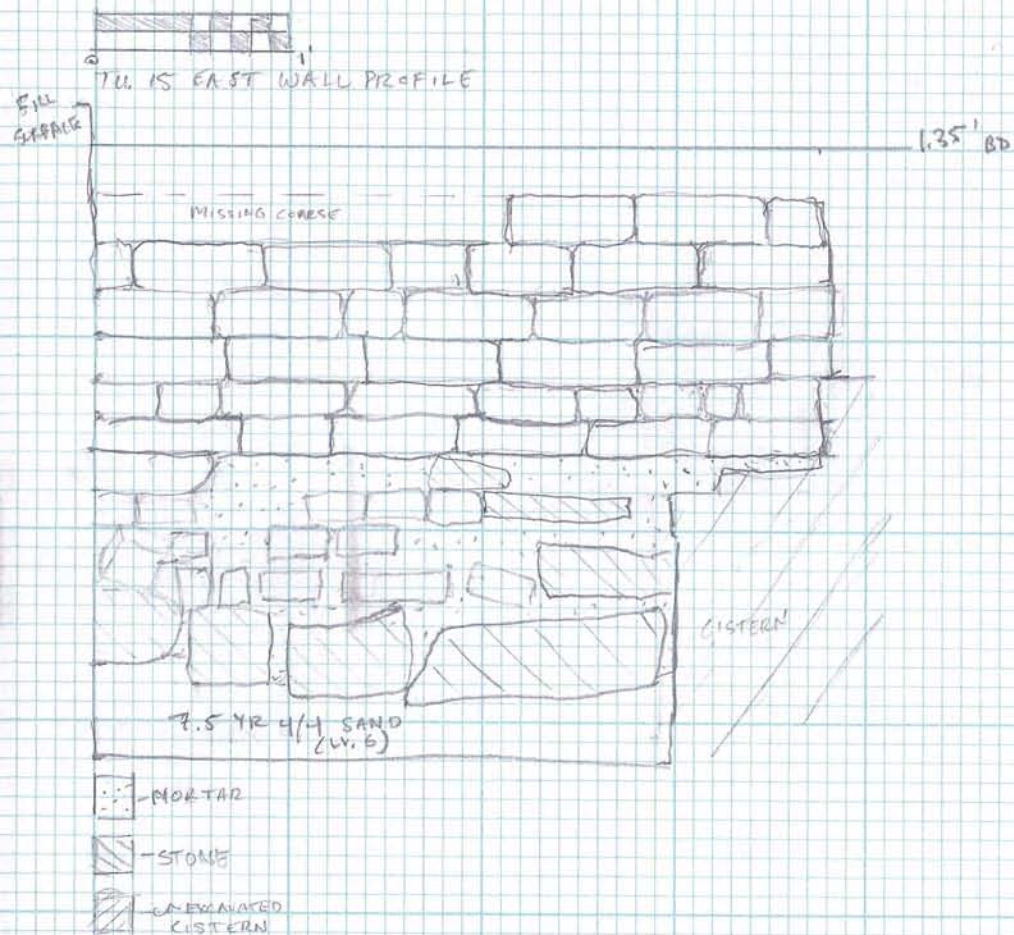
CITY HALL PARK

17 JUNE 2010

TRENCH 1

TU 15 E. PROFILE AND TU 16 W. PROFILE

LG



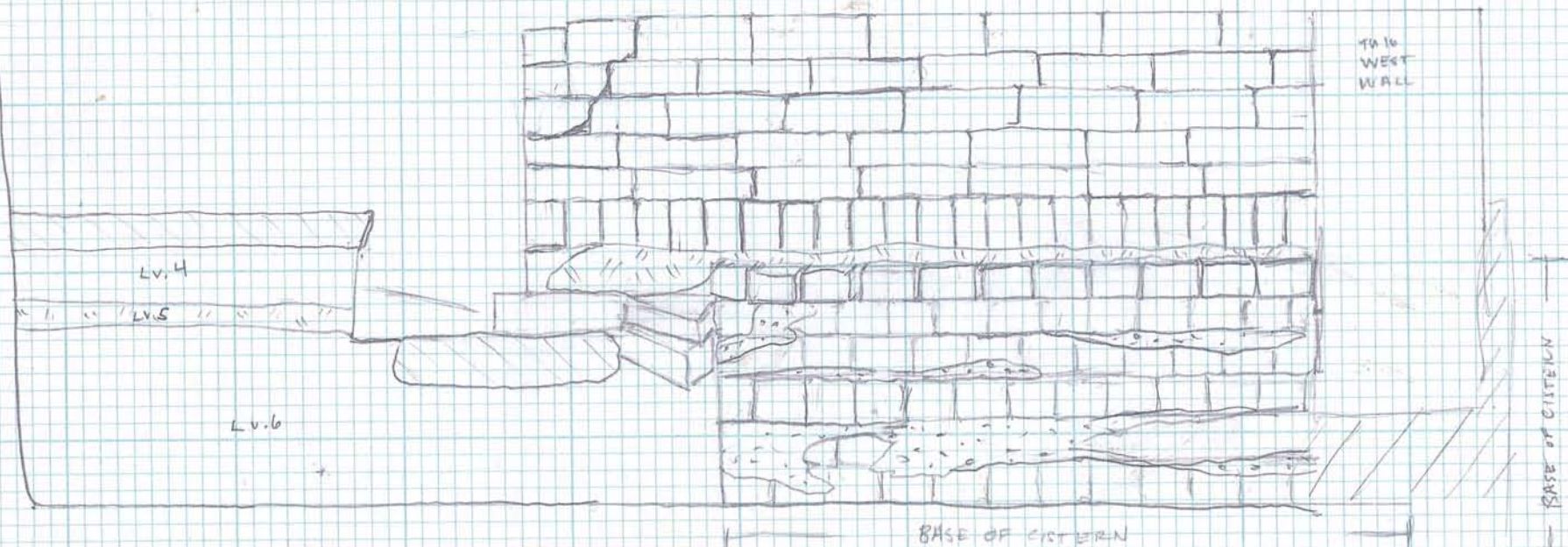
CITY HALL PARK
12 JUNE 2010
TRENCH 1
TULLO SOUTH PROFILE

L6



0.35 m

FILL
SURFACE



BLUE STONE

MORTAR

UNEXCAVATED

FLOOR DEPOSIT

Lv 4 - 7.5 YR 3/3 SaLo

Lv 5 - 10 YR 2/2 SiSa

Lv 6 - 10 YR 3/4 Sa

URS UNIT RECORD FORM

Page of

Project: City Hall Park

Site:

Block:

Test Unit #: 17

SW Coordinates: N E

Natural Stratum Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s)

Unit Dimensions: 5 ^{ft} m x 5.8 ^{ft} m

Date: 7/19/2010

Excavators: Gager, Eklund

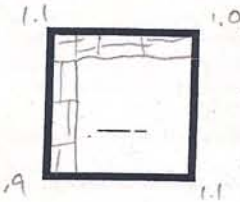
Methods:

Mesh: (1/4) (1/8)



*CLOSING DEPTHS TAKEN FROM EXCAVATION SURFACE BELOW PREVIOUSLY REMOVED CONCRETE SIDEWALK

USING DEPTHS TAKEN FROM



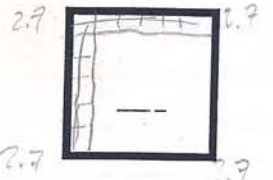
Strat 3
Lv.

FIRST TWO STRATA REMOVED + TOSSED. THESE WERE
FILL + CONCRETE. STR. 3 IS MORTAR + COBBLES, THE SAME
AS SEEN IN SOUTHERN UNITS. MORTAR IS FILL WITHIN WESTERN
BRICK STRUCTURE ATTACHED TO CISTERN.



Strat 4
Lv.

12-14" 5/4 SAND, SOME MORTAR + COBBLES PRESENT, LOWER
AMOUNT THAN PREVIOUS LEVEL CONSISTANT W/ FILL ^{FROM} INTERIOR
OF THIS STRUCTURE IN TU. TO THE SOUTH. SMALL AMOUNT CHARCOAL
DISCARDED. 6.5'x1' SWAMP IN S. UNIT BORDER COLLAPSED - REMOVED
+ BAGGED SEPARATELY AS STRATS 3-6 SWAMP.



Strat 5
Lv.

10-12" 3/1 SAND FILL, POSSIBLE FLOOR TO BRICK STRUCTURE.
MOIST, COMPACT.



Strat 6
Lv.

COARSE SAND FILL - LOOSE, LOW ARTIFACT FREQUENCY.
CONSISTANT W/ FILL UNDERLYING BRICK WALLS TO THE SOUTH +
SURROUNDING BASE OF CISTERN. V. LOW. 1950-2000
FE 1950-2000



Strat
Lv.



Strat
Lv.



Strat
Lv.

SUMMARY FORM

SITE CITY HALL PARK

BLOCK

Test Unit 17

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

5' x 5.0' UNIT PLACED NORTH OF CISTERN-IMPACTED UNIT WITHIN BORDERS OF UNIDENTIFIED BRICK STRUCTURE. THE WEST BRICK WALL OF THIS FEATURE FORMS THE WEST UNIT BOUNDARY + A PERPENDICULAR E-W BRICK WALL FORMS THE NORTH BOUNDARY @ 6' BELOW EXCAVATION SURFACE. THE FIRST 1' OF FILL CONSISTED OF RCA AND CONCRETE AND WAS REMOVED MECHANICALLY & DISCARDED. DURING THE EXCAVATION, A 1.5' x 1' SECTION OF THE SOUTH WALL COLLAPSED. THIS WAS REMOVED SEPARATELY & BAGGED AS "STRAT 5-6 SLUMP." EXCAVATION WAS STOPPED IN STRAT II @ 3.7' TO BRING TU 17 TO AN EVEN DEPTH W/ THE UNIT DIRECTLY SOUTH. TU. 18 WILL BE EXCAVATED NEXT TO TRACE THE EXTENT OF THE BRICK N. BOUNDARY WALL.

Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

URS UNIT RECORD FORM

Page ___ of ___

Project: CITY HALL PARK

Site: _____

Block: _____

Test Unit #: 18

SW Coordinates: N _____ E _____

Natural Stratum X Arbitrary Level _____ ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

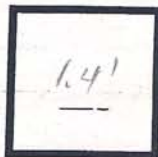
FS Number(s) _____

Unit Dimensions: 5' m x m 5.8'Date: 7/20/10Excavators: LGMethods: SHOVEL, TROWEL, PICKAXEMesh: (1/4) (1/8)

*DEPTHS TAKEN FROM
EXCAVATION SURFACE BELOW
REMOVED CONCRETE WALKWAY

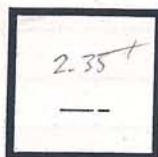
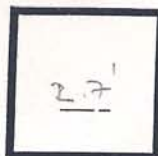
Strat 1+2
Lv. _____

PCA + CONCRETE STRAPS I + II, REMOVED W/ JACK HAMMER + PICKAXE
AND DISCARDED

Strat 3
Lv. _____

SAND w/ MORTAR + BRICK FRAG. INCLUSIONS,

FILL IN INTERIOR OF UNIDENTIFIED BRICK STRUCTURE

Strat 4
Lv. _____COARSE
SAND FILL, COBBLES + BRICK FRAGS-WW, GLASS, REDWARE, SHELL BONE, ~~METAL BONE~~Strat 5
Lv. _____

10 YR 3/1 SAND THIN FLOOR DEPOSIT FEW INCLUSIONS

- ~~METAL BONE~~, WW, SHELL, BONEStrat 6
Lv. _____

BROWN MOTTLED COARSE SAND

CIRCULAR DEPOSIT IN SW CORNER OF UNIT, CUTTING
THROUGH STRAT IV - W/ INCREASING DEPTH, EXPANDS TO WHOLE
UNIT FOOTPRINT MOTTLED SLIGHTLY W/ STRAT IV

Strat _____
Lv. _____Strat _____
Lv. _____

SUMMARY FORM

SITE CITY HALL PARK

BLOCK

Test Unit 18

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

TEST UNIT PLACED DIRECTLY EAST OF TU 17 TO TRACE EXTENT OF BRICK
FEATURE NORTH BOUNDARY WALL. E-W UNIT LENGTH OF 5' SLIGHTLY
TRUNCATED TO 4.9' TO CREATE AN EVEN EAST WALL PROFILE WITH TU 16
TO THE SOUTH. FIRST 2 STRATS (REA + COMPACT SOIL + CONCRETE) REMOVED AND
DISCARDED W/O SCREENING. STRATS III + IV CORRESPOND TO SAME STRATS IN
TU 17 TO THE WEST. STRAT V, DARK, COMPACT, POSSIBLE LIVING SURFACE,
DIPS SLIGHTLY (.3'-.4') DEEPER NEAR NORTH BRICK WALL BOUNDARY IN
TU 18 THAN TU 17. LOOSE, COARSE SAND STRAT VI FIRST APPEARED
CUTTING A CIRCULAR SWATH THROUGH SW CORNER STRAT V, THEN
OCCUPIES ENTIRE UNIT FOOTPRINT BELOW STRAT V

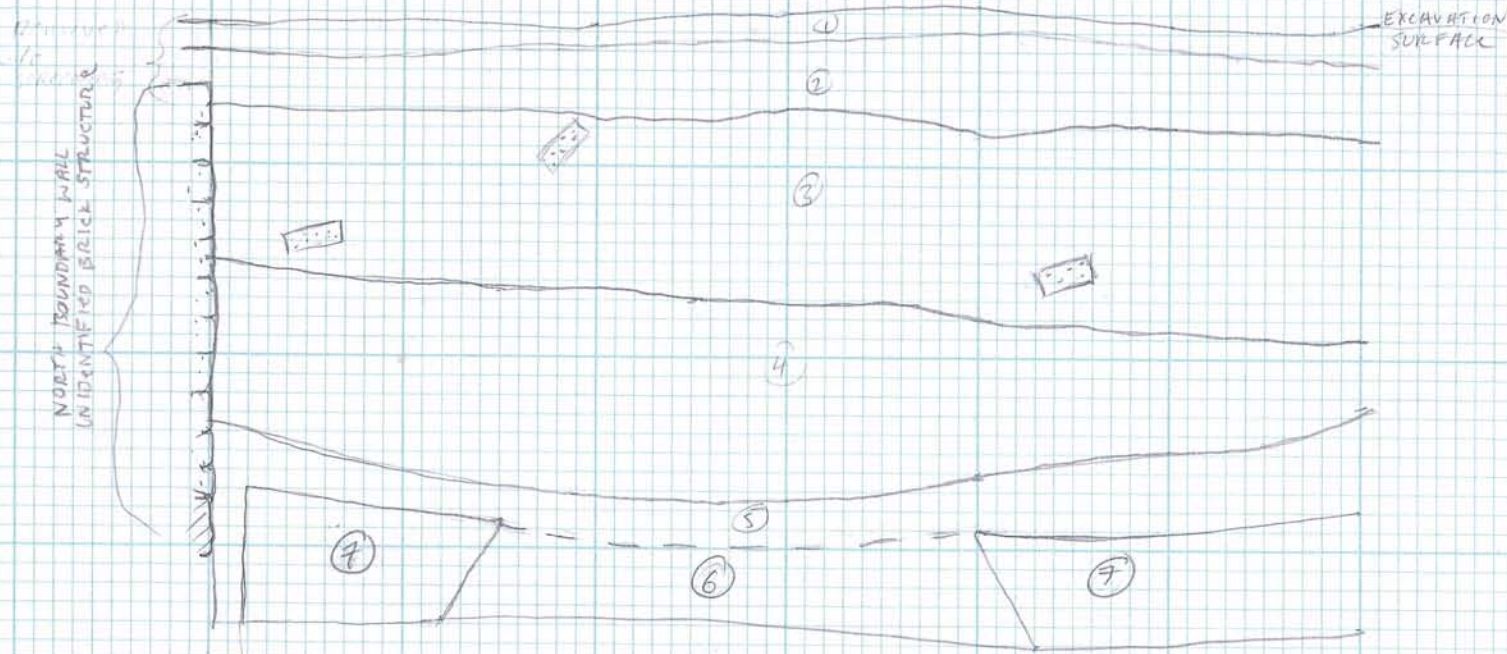
Sketch Diagnostics:

Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

CITY HALL PARK
T.M. 18 EAST PROFILE
7/23/10



EAST PROFILE



① RCB GRAVEL FILL - STRAT I

② 10 YR 2/2 COARSE SASI, V. COMPACT, <10% GRAVEL INCLUSIONS - STRAT II

③ 10 YR 4/4 COARSE SISA W/ MORTAR & BRICK FRAG - STRAT III

④ 7.5 YR 3/4 COARSE SAND W/ GRAVEL - STRAT IV

⑤ 10 YR 2/1 SASI MOTTLED W/ 10 YR 3/2 SAND - STRAT V

⑥ 7.5 YR 3/2 COARSE SAND MOTTLED W/ 7.5 YR 3/6 SACE

} removed
as STRAT V

⑦ 7.5 YR 4/4 COARSE SAND - STRAT VI

⊞ - BRICK ⊞ - STONE

URS UNIT RECORD FORM

Page of

Project: CITY HALL PARK

Site:

Block:

Test Unit #: 19

SW Coordinates: N E

Natural Stratum ☒ Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s)

Unit Dimensions: 5' m x m 5'

Date: 7/23/10

Excavators:

Methods: JACK HAMMER, SHOVEL, TROWEL

Mesh: (1/4) (1/8)



Strat I
Lv.

RCA - GRAVEL FILL

Photo of Strat II



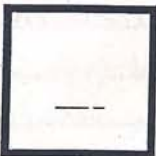
Strat II
Lv.

Dark gravelly sandy silt, very compact.

10 YR 2/2 coarse sandy silt

ASH 10YR 6/2 and ash mortar and brick frag
slag

10 YR 4/4 coarse sandy silt



Strat IIA
Lv.

2.5Y 7/1 light gray very compact mortar and brick



Strat IIIB
Lv.

MORTAR - BRICK 10YR 4/4 - 19th Century deposit.
glass, bottle in window, terra cotta frag. poss flower pot,
large glass containers



Strat IIIC
Lv.

Sand 10YR 5/4, 4/4 7.5YR 5/4. bottled sand.



Strat IIIV
Lv.

10YR 2/1 black sandy loam.

stems, white bone, corroded metal



Strat IV
Lv.

SUMMARY FORM

SITE CITY HALL PARK

BLOCK

Test Unit 19

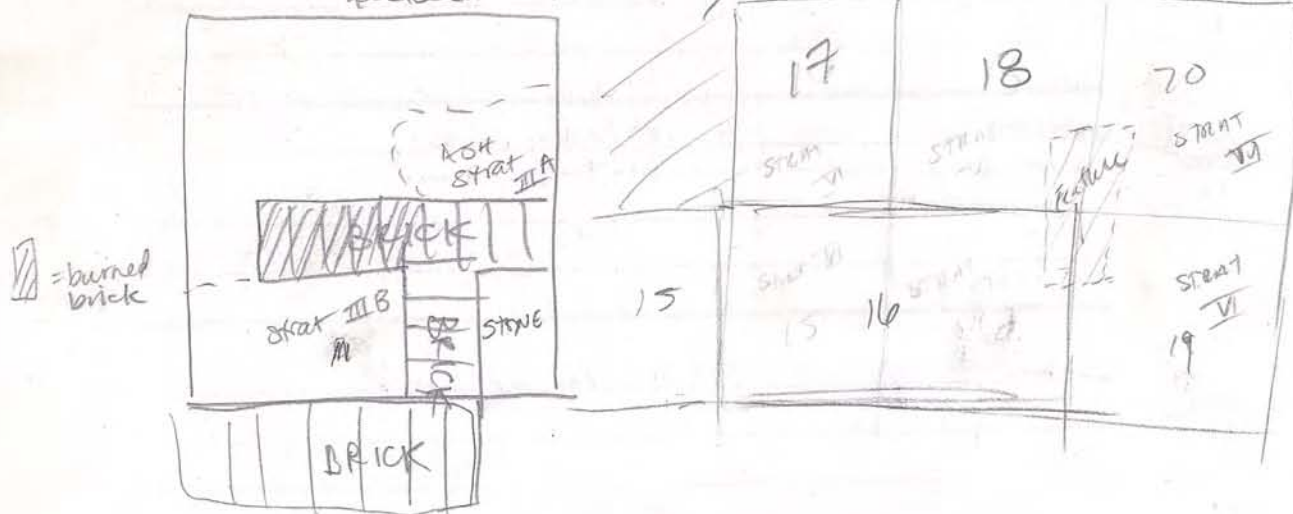
Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

5'x5' UNIT PLACED EAST OF TU 15 WITHIN THE INTERIOR OF THE UNIDENTIFIED BRICK STRUCTURE WALLS - WILL ATTEMPT TO DEFINE STRUCTURE'S EAST BRICK BOUNDARY. Strat I and II were excavated by jack-hammer and shovels, very compact gravel and concrete. During, discovered brick continuation Northwards from corner already exposed as well as another corner where brick turns and wall continues eastward. (see sketch, formal plan view provided as well). Blocked off wall and removed more soil from strat II, then discovered more brick going westward from corner just exposed. Brick created a small area within larger structure. Strat II further excavated and when completed, exposed an ash pocket just NE of brick wall. Within enclosed area created by brick, soil was full of mortar and very compacted, bricks North of this area also happened to be burned. Ash pocket labeled strat III A, compacted mortar, III B. STRAT III A, III B & III all removed & screened separately. Soil in strat IV continued to yield 19th cent. artifacts. It was decided to stop excavation of TU 19 at strat V & remove all top 4' of strat of adjacent TU 20, to examine the soil annually / feature found at the base of TU 17 & 18 & may continue into 19 & 20. TU 19 & 20 excavated to strat V & removed & screened.

Sketch Diagnostics:

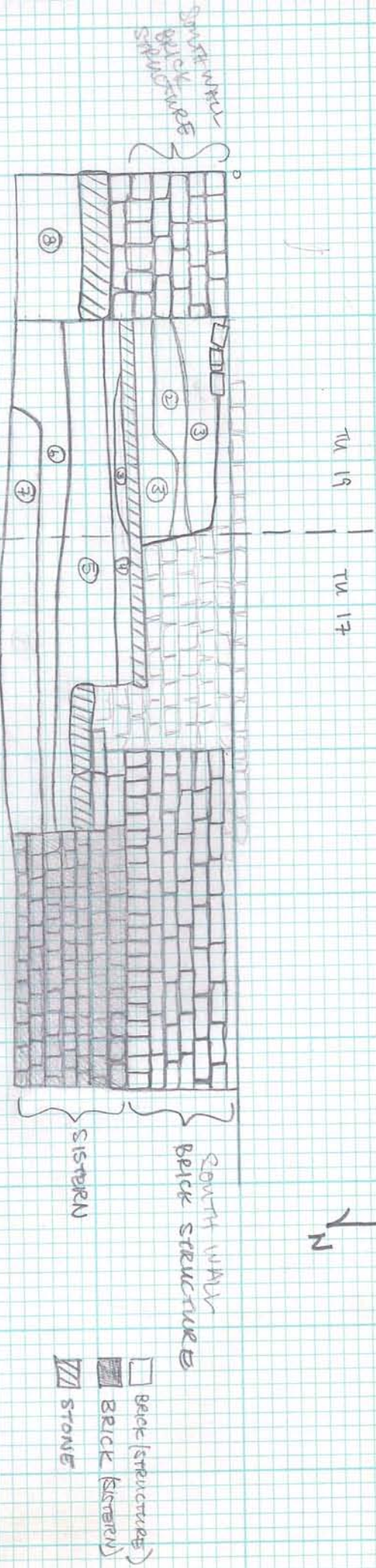
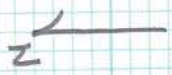
Strat VI present in floors as well as feature

Top Plan View of inside Brick feature

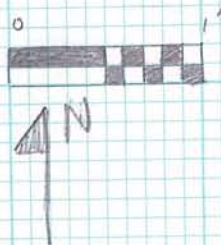


Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

CITY HALL PARK
TU 17, 19
SOUTH PROFILE MAPS
8/2/10 E.KAO

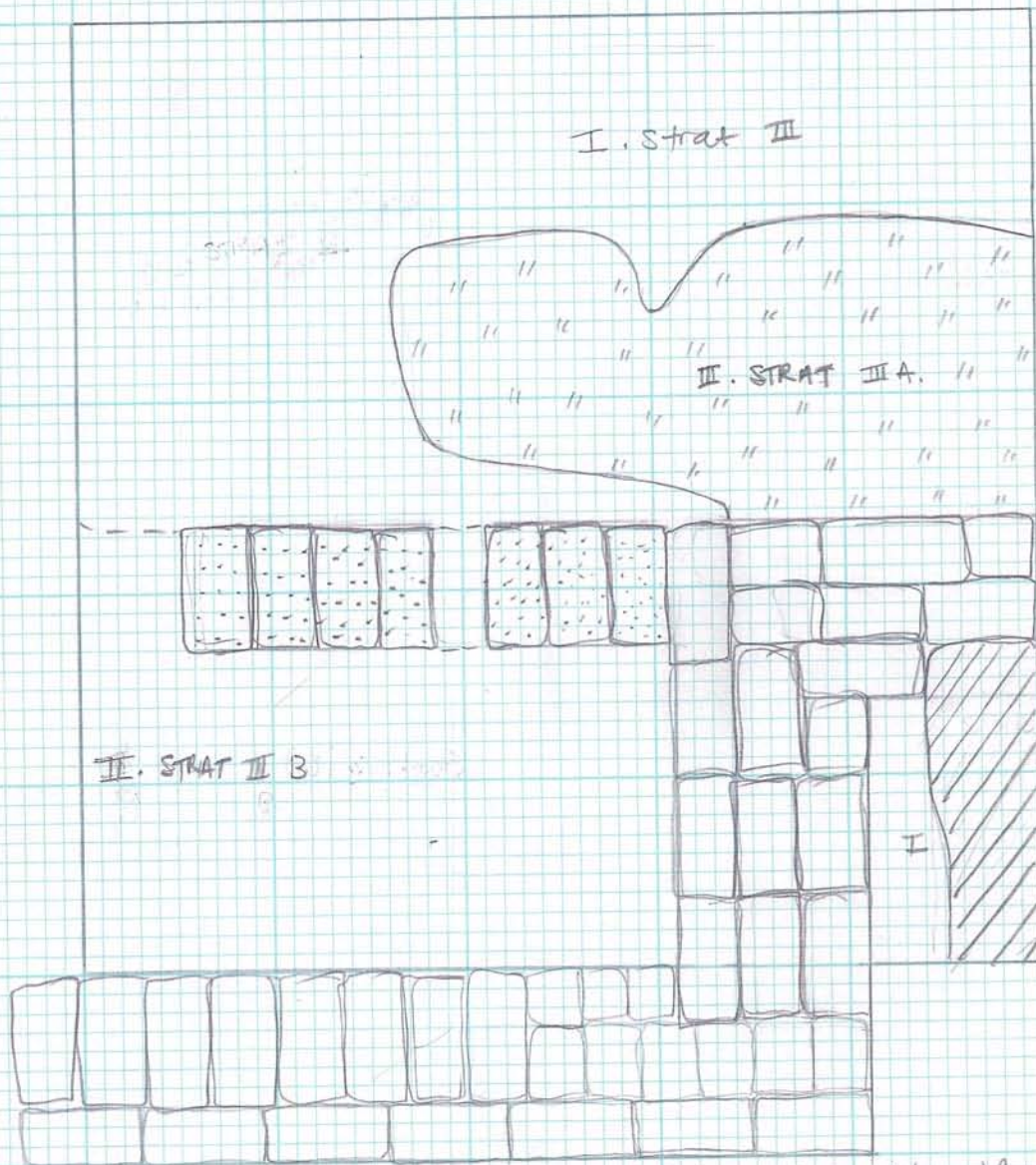


CITY HALL PARK
 TU 19
 PLAN VIEW (IN PROGRESS)
 7/23/10 B. Kao



TU 19 PLAN VIEW
 (IN PROGRESS)

- BURNT BRICK
- BRICK
- STONE
- ASH



- I. 10 YR 4/4 coarse sandy silt, very compacted brick and mortar throughout
- II. 2.5 Y 7/1 light gray, very compacted silty sand w/ pockets of clay and 10 YR 2/2 charred earth
- III 10 YR 6/2 Ash w/ coal ash and charcoal, very loose

URS UNIT RECORD FORM

Page 1 of

Project: City Hall Park

Site: ~~1000 1000 1000 1000~~

Block: ~~1~~

Test Unit #: 20

SW Coordinates: N E

Natural Stratum X Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s)

Unit Dimensions: 5.0 m x m 5.0

Date: 20 July 2010

Excavators:

Methods:

Mesh: (1/4) (1/8)



Strat I, II, III
Lv.

~~Strat I, II, III~~ ~~was removed & not screened~~
A representative sample of these strata were collected in
D. 17, 18, & 19. See TV films. picked out of soil metal keep bag!
poss coin.



Strat IV
Lv.

layer 2/1 black screened. sandy brown
~~Strat I, II, III~~ Salt clay stoneware
bone corroded metal
hand painted porcelain, whiteware



Strat V
Lv.

mottled sand 1/4 5/16 7/16 5/16. 1/4 1/4
square feature / soil anomaly present in D. 17, 18, 19, 20



Strat VI
Lv.



Strat VII
Lv.



Strat VIII
Lv.



Strat IX
Lv.

SUMMARY FORM

SITE City Hall Park

BLOCK

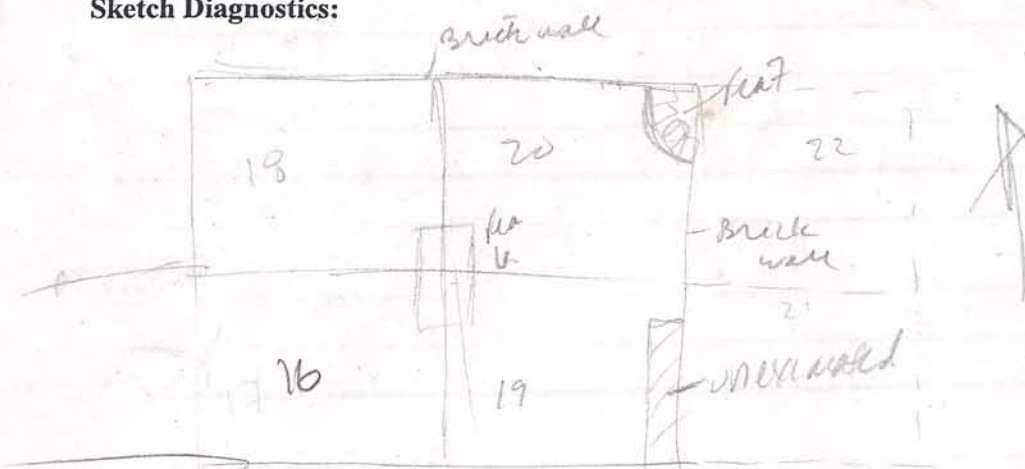
Test Unit 20

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

Excavated well as in TU 19 at the interface of strat V. TU 20 was then excavated removing strata I, II, III & IV as one NOT SCREENED. Any ^{domestic} artifacts were removed from fill & bagged (key & poss coin). STRAT V 1042 2/1 Black matrix now exposed on floor of TU 19 & 20. Soil anomaly not present at this depth. STRAT V was removed in TU 19 & 20 screened. STRAT VI now exposed on TU floors. Feature is now present in TU 19 & 20's western edge → feat. 6. Semi-circular BRICK FORMATION VISIBLE IN STRAT VI NE CORNER WITHIN THE BRICK WALL NORTH BOUNDARY - POSSIBLE PRIVY OR WELL UNDERLYING THIS STRUCTURE. TU 22 TO EAST WILL BE OPENED TO DETERMINE EXTENT OF WALL & THIS FEATURE.

Strat

Sketch Diagnostics:



Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

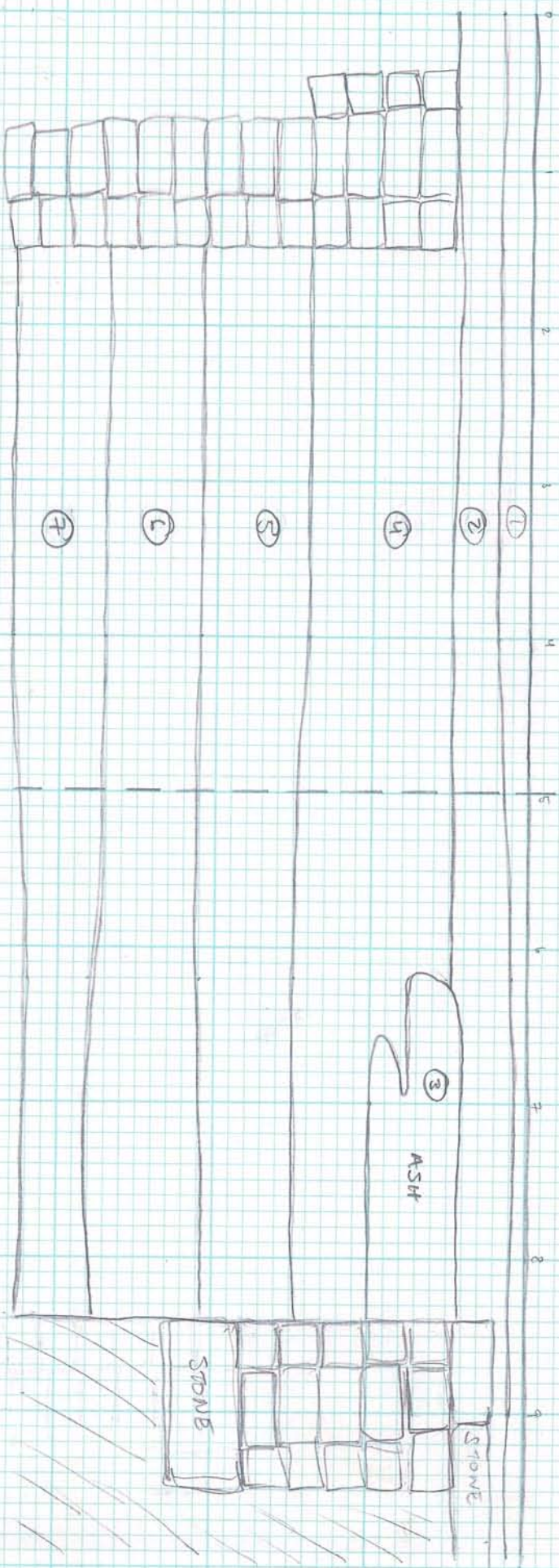
CITY HALL PARK
TU 19 + 20
WALL PROFILES
7/28/10
E. KRAU, E. KRAU



EAST WALL PROFILES

TU 20

TU 19



Strat I ① Gravelly fill

Strat II ② 10 yr 2/2 coarse sandy silt, very compact

Strat IIIA ③ 10 yr 6/2 wash, slag, loose

Strat III ④ 10 yr 1/4 mortar and brick, very coarse, 19th century deposit

Strat IV ⑤ 10 yr 5/4-1/4, 7.5 yr 5/4 mottled sand, very coarse

Strat I ⑥ 10 yr 2/1 black sandy loam

Strat II ⑦ 10 yr 5/6, 7.5 yr 5/6, 10 yr 1/4 very coarse sand

URS UNIT RECORD FORM

Page of

Project: City Hall Park

Site:

Block:

Test Unit #: 21

SW Coordinates: N E

Natural Stratum Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: Surface / String Coordinates: ()

FS Number(s)

Unit Dimensions: 5' m x m 5'

Date: 7/30/10

Excavators:

Methods:

Mesh: (1/4) (1/8)



Strat I/II
Lv.

gravelly fill, concrete, very compact,
mechanically excavated, discarded, not screened
S. eastern boundary of brick structure uncovered @ ~.4'
flagstones along south boundary of unit uncovered @ ~.6'



Strat III
Lv.

brick and mortar ^{sandy} clay fill, very compact, mechanically
excavated, large stones/concrete throughout
not screened
10 YR 4/4



Strat IV
Lv.

compact sandy clay fill, 10 YR 5/4
not screened.



Strat V
Lv.

coarse sand 7.5 YR 5/4, loose, unscreened



Strat
Lv.



Strat
Lv.



Strat
Lv.

SUMMARY FORM

SITE City Hall Park

BLOCK

Test Unit 21

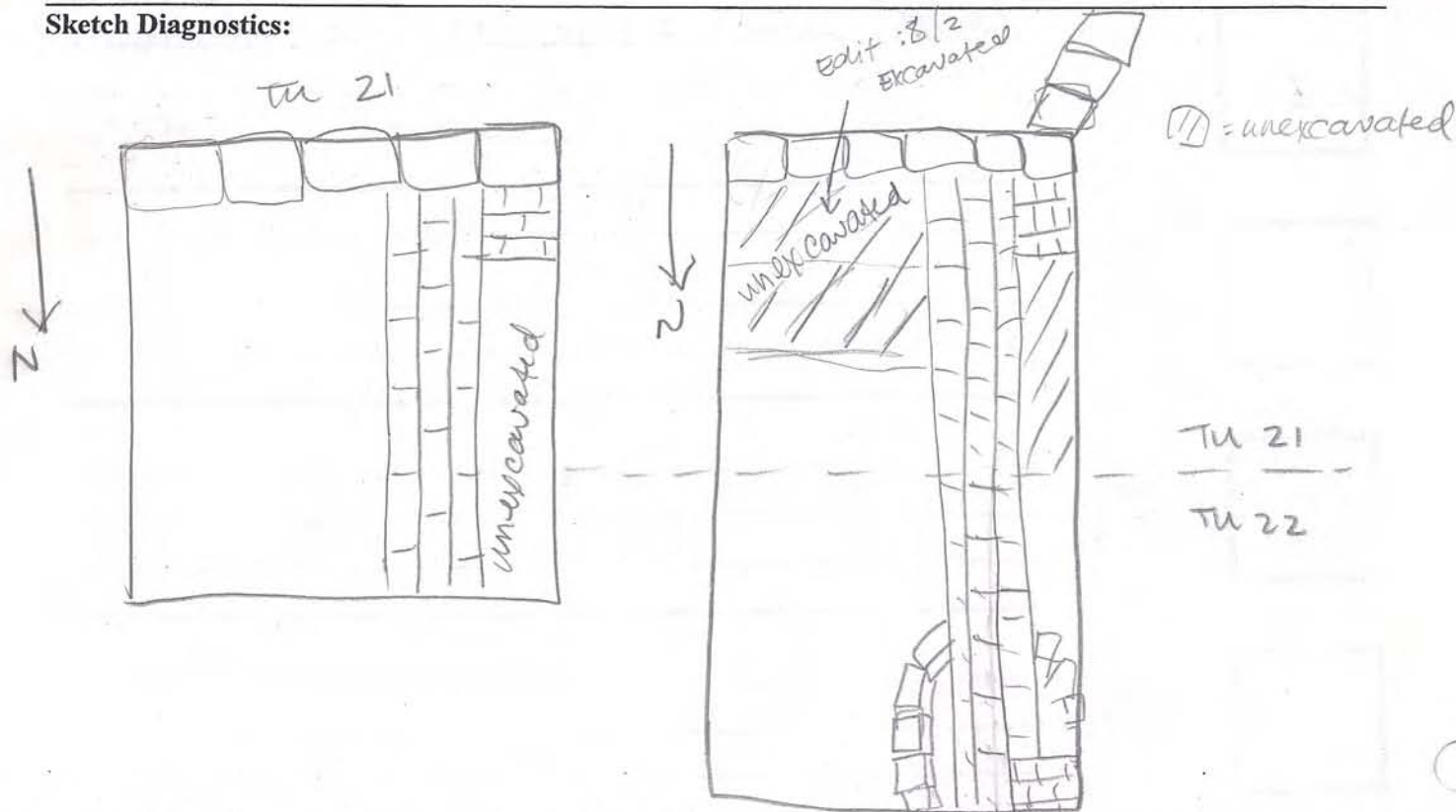
Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

Test unit directly south of TU 22. Excavated to expose exterior of brick structure. only exterior section of TU excavated, interior soil remains intact (see sketch below). South half of unit was stepped in order to maintain structural integrity of flagstones uncovered along southern boundary of unit. Stones look to be a continuation of "stone walkway" discovered in trench south of brick structure. Just enough of TU 21 soil was excavated to provide a comfortable space to excavate Fea. 7 (well) discovered in TU 20 and TU 22, North of TU 21. (see sketch below)

8 1/2' .8' of UNEXCAVATED MATERIAL REMOVED & DISCARDED TO FORM AN EVEN SOUTH WALL w/ TU 23 to the EAST & TO REVEAL BOTTOM OF NORTH BRICK ICE HOUSE WALL

6/5

Sketch Diagnostics:



Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

URS UNIT RECORD FORM

Page of

Project: CITY HALL PARK

Site:

Block:

Test Unit #: 22

SW Coordinates: N E

Natural Stratum ☒ Arbitrary Level ()

Circle: (Metric) (Tenths)

Datum: (Surface / String Coordinates: ()

FS Number(s)

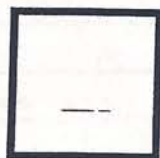
Unit Dimensions: 5' m x m 5'

Date: 7/29/10

Excavators: CONSTRUCTION CREW, EL, L4

Methods: JACK HAMMER, SHOVEL, TRAC

Mesh: (1/4) (1/8)



Strat II

Lv.

RCA + BRICK RUBBLE FILL UNDERLYING CONCRETE

WALKWAY. REMOVED BY JACKHAMMER + DISCARDED. EASTERN

BRICK STRUCTURE BOUNDARY FOUND @ .4' BELOW SURFACE.



Strat III

Lv.

BRICK + MORTAR SANDY FILL WITHIN BRICK STRUCTURE

DISCARDED W/O SCREENING

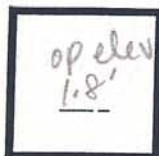


Strat IV

Lv.

SANDY FILL WITHIN BRICK STRUCTURE

DISCARDED W/O SCREENING



Strat V

Lv.

DARK SANDY LOAM WITHIN BRICK STRUCTURE

SCREENED CONTAINERS .5' DEEPER, SLOPING INTO

NE CORNER OF UNIT, ABOVE FEA. 7.



Strat VI

Lv.

COARSE SAND FILL. FEA. 7, POSSIBLE WELL, OCCUPIES

NE CORNER.



Strat

Lv.



Strat

Lv.

SUMMARY FORM

SITE CITY HALL PARK

BLOCK

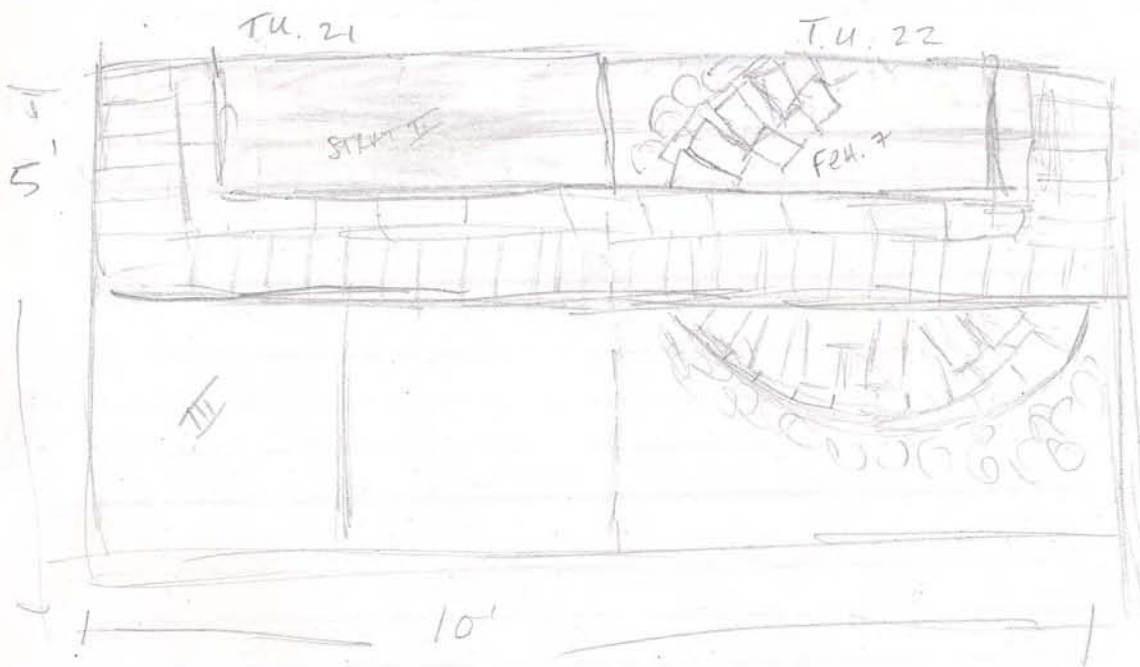
Test Unit 22

Narrative: (Discuss excavation procedures, techniques, features, list maps / profiles / photos,)

INTERIOR OF BRICK STRUCTURE REMOVED SEPARATELY FROM INTERIOR WEST WALL. EXTERIOR FILL REMOVED W/O SCREENING TO SPAT 4 TO REVEAL EXTENT OF FEATURE 7 - POSSIBLE WELL OR PRIVY. THE EAST BOUNDARY WALL OF THE UNIDENTIFIED BRICK STRUCTURE RUNS ATOP FEAT. 7, W/ BROWN STONE BLOCKS LAID ACROSS THE TOP EITHER TO CAP THE FEATURE OR PROVIDE A STABLE BASE FOR THE WALL. ^{EXTERIOR} CIRCUMFERENCE OF THE BRICK CIRCLE THAT FORMS FEAT. 7 DOES NOT EXACTLY MATCH THE INTERIOR - THE INTERIOR CIRCLE MAY HAVE BEEN DISTURBED DURING THE WALL CONSTRUCTION OR THIS IS A BRICK COLLAR ON TOP OF A STONE-LINED WELL.

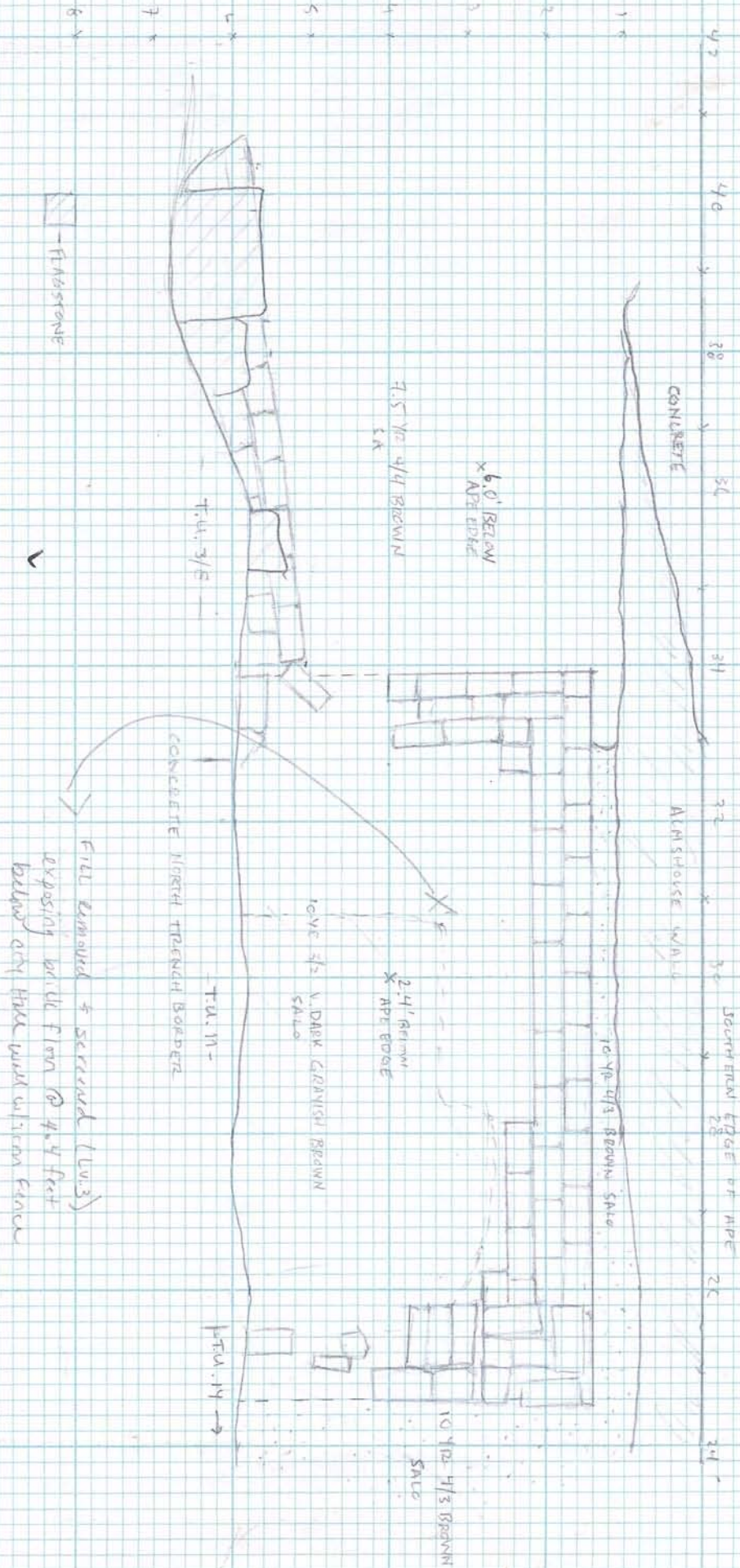
Sketch Diagnostics:

N →



Formal Plan View drawn to scale on graph paper Must include Header, scale, north arrow, and key.

CITY HALL PARK
10 JUNE 2010
TRENCH PLAN VIEW
LG

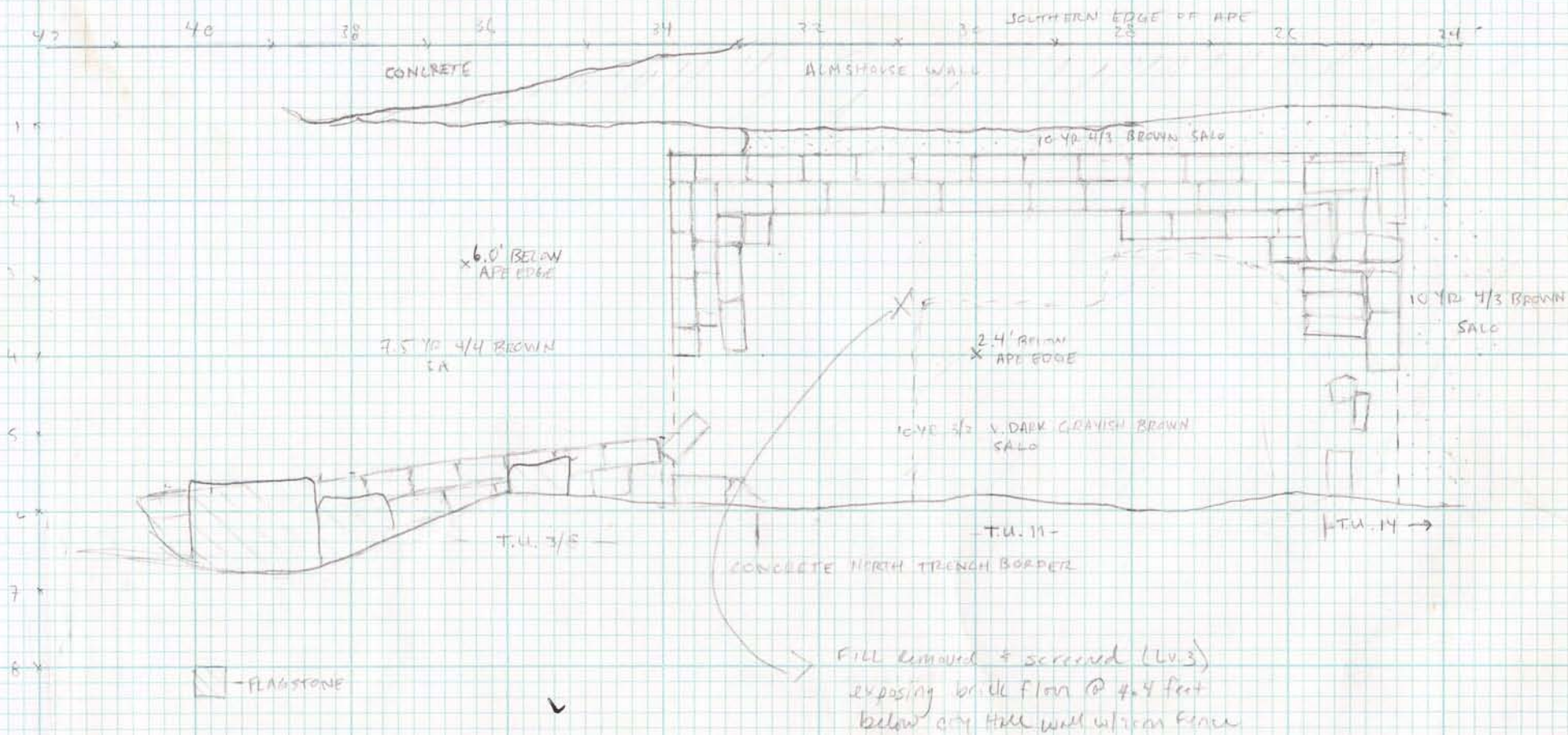


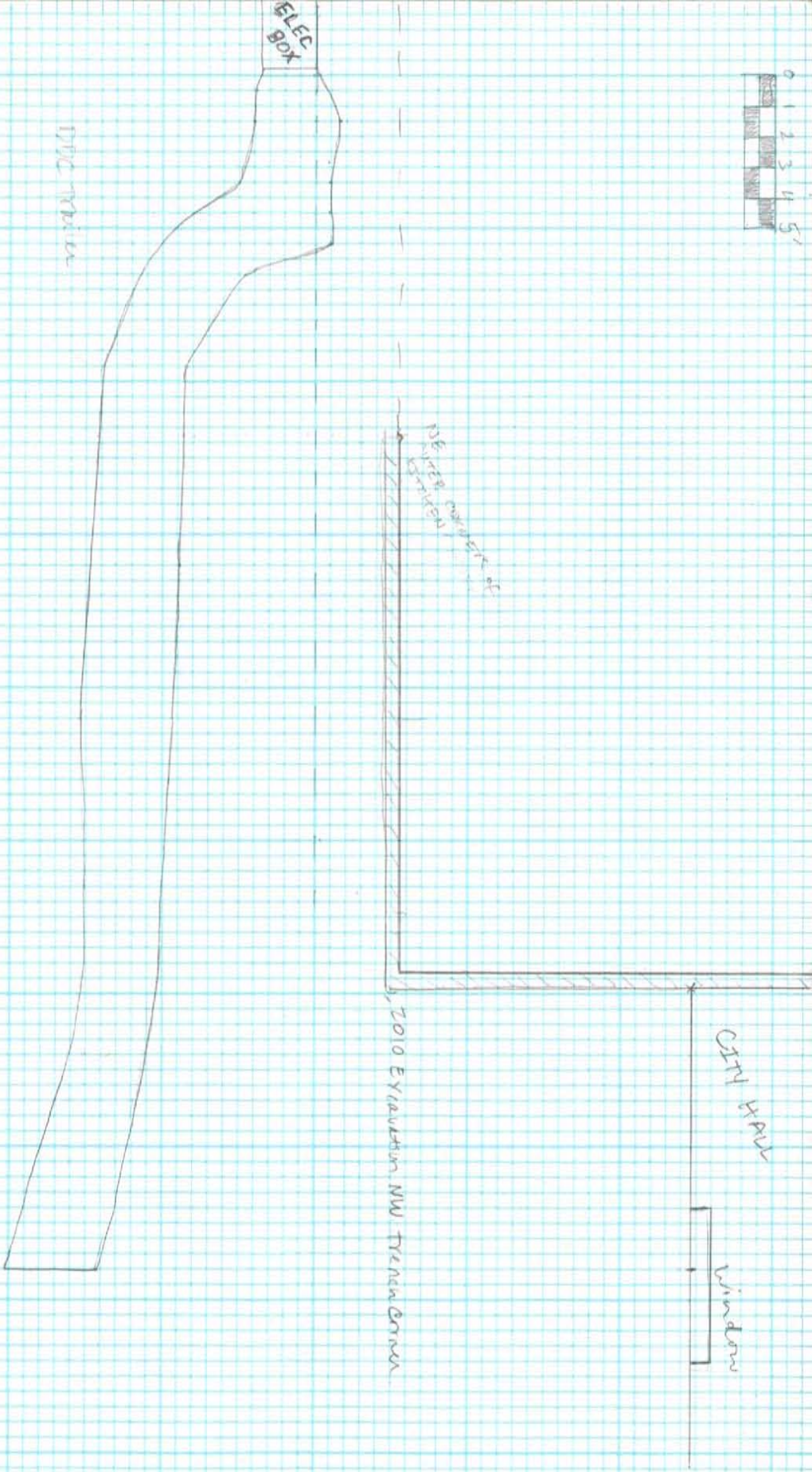
CITY HALL PARK

10 JUNE 2010

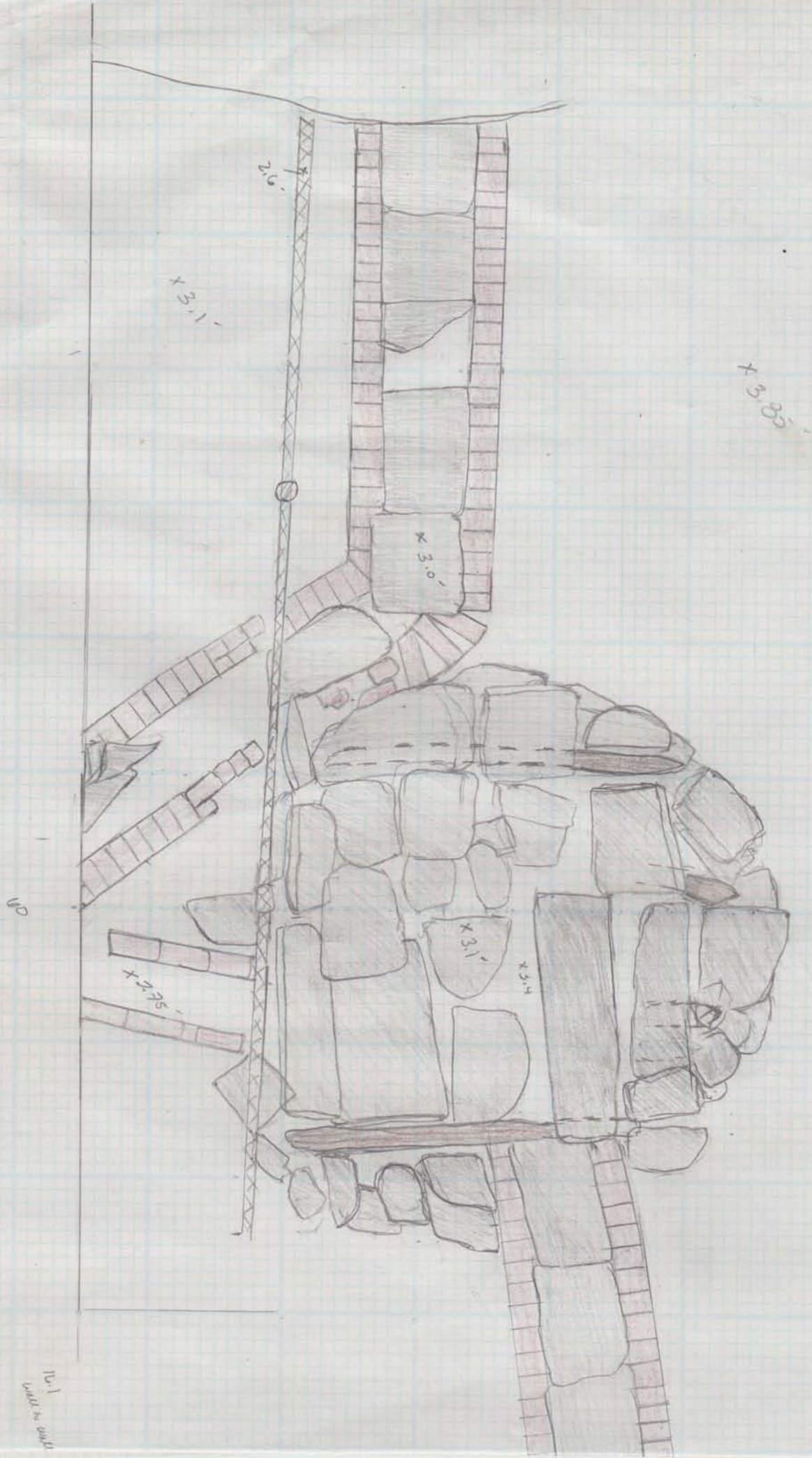
TRENCH 7 PLAN VIEW

16

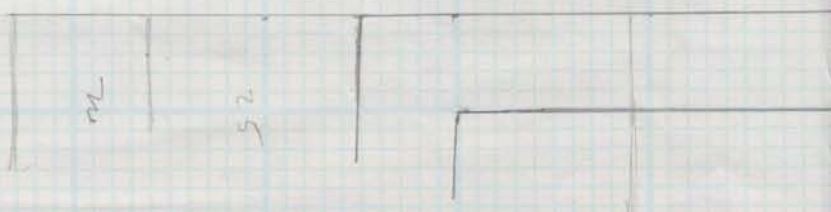




North East Youth Area
Conduit Trench
from manhole to Electrical Box
would cross of N. 10th Ave.
EX, GCH
June 3, 2011



11-1
wall to wall



50

48

46

44

42

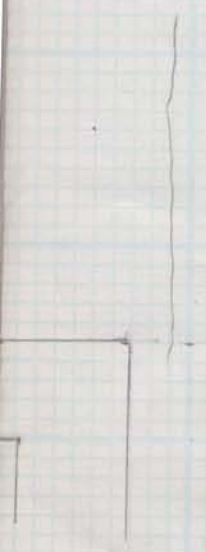
40

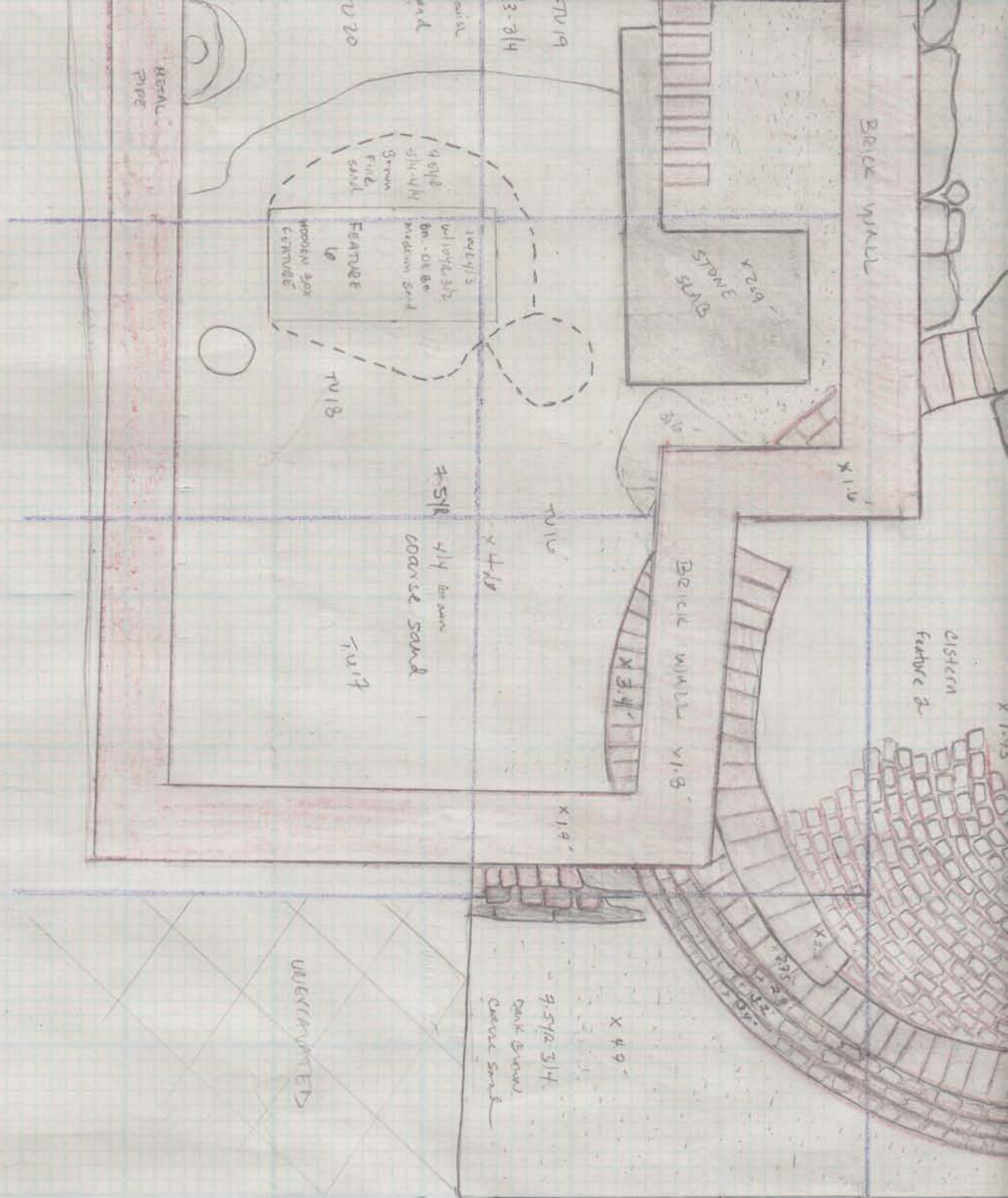
38

36

34

32





DISTANCE
FEATURE &

WESTERN EDGE OF
AFC
0

BRICK WALL

STONE
SLAB

BRICK WALL

x 49

9.5/12.3/4

DARK BROWN
COARSE SAND

#518

COARSE SAND

TUV17

UNEXCAVATED

TUV18

FEATUKE

WOODEN BOX
CENTRE

GREEN
FIELD SOIL

9.5/12.3/4

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

BRICK WALL

STONE
SLAB

MATERIAL
PIPE

TUV20

TUV19

TUV18

TUV17

TUV16

TUV15

TUV14

TUV13

TUV12

TUV11

TUV10

TUV9

TUV8

TUV7

TUV6

TUV5

TUV4

TUV3

TUV2

TUV1

N

CITY HALL PARK
 19032024 00002
 June 7 - 10 2010
 TANK 1
 PLAN VIEW
 6.9.10 - 7.1.13-10
 E. K. RALL, L. G. G. J. R.



SOUTHERN EDGE OF N2E CITY HALL

UNIT 12
 UNIT 10

UNIT 9

GRAVITE WALL
 W/IRON FENCE

CONCRETE



UNIT 3/8

UNIT 11

UNIT 14

UNIT 13

22

23

22

22

22

22

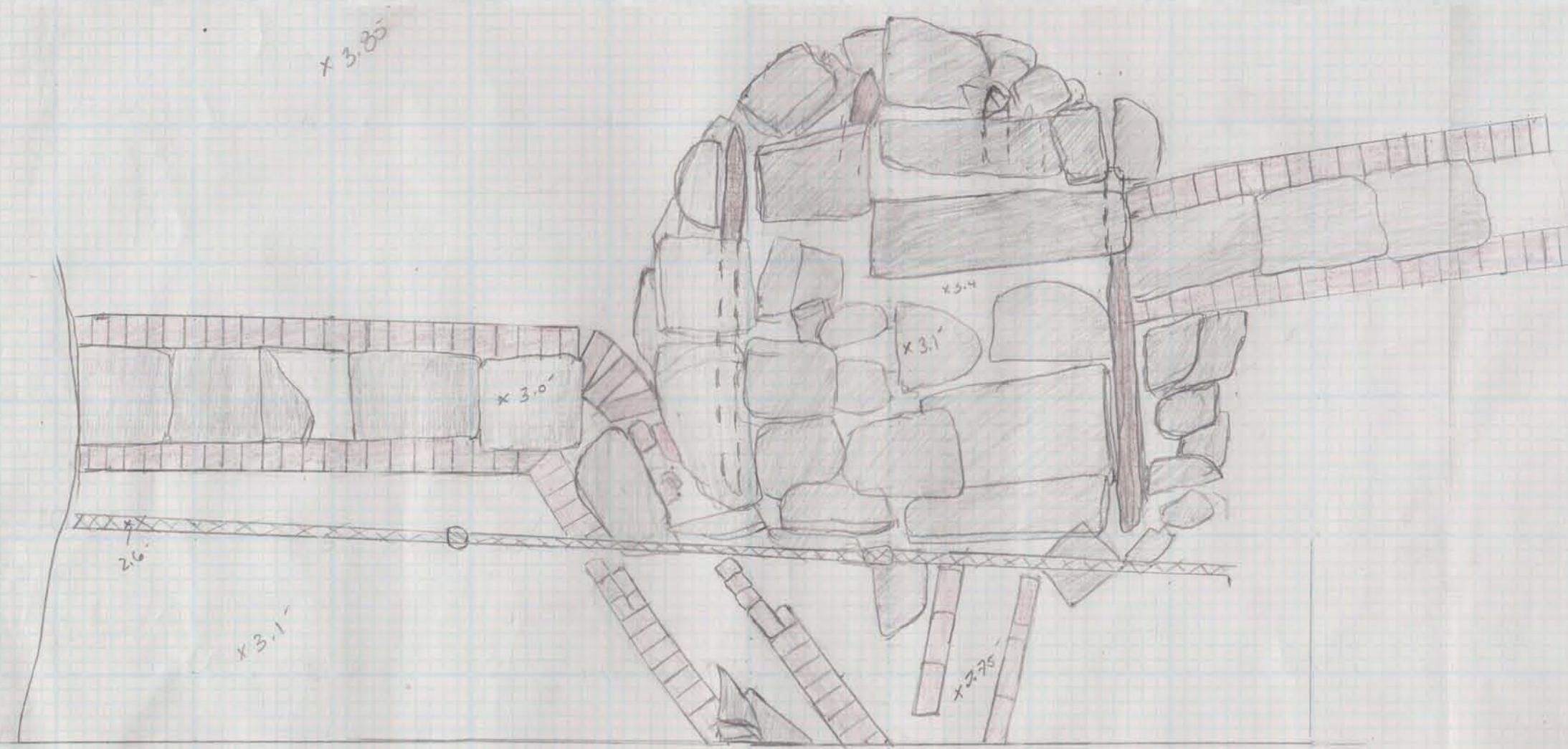
22



UNIT 13

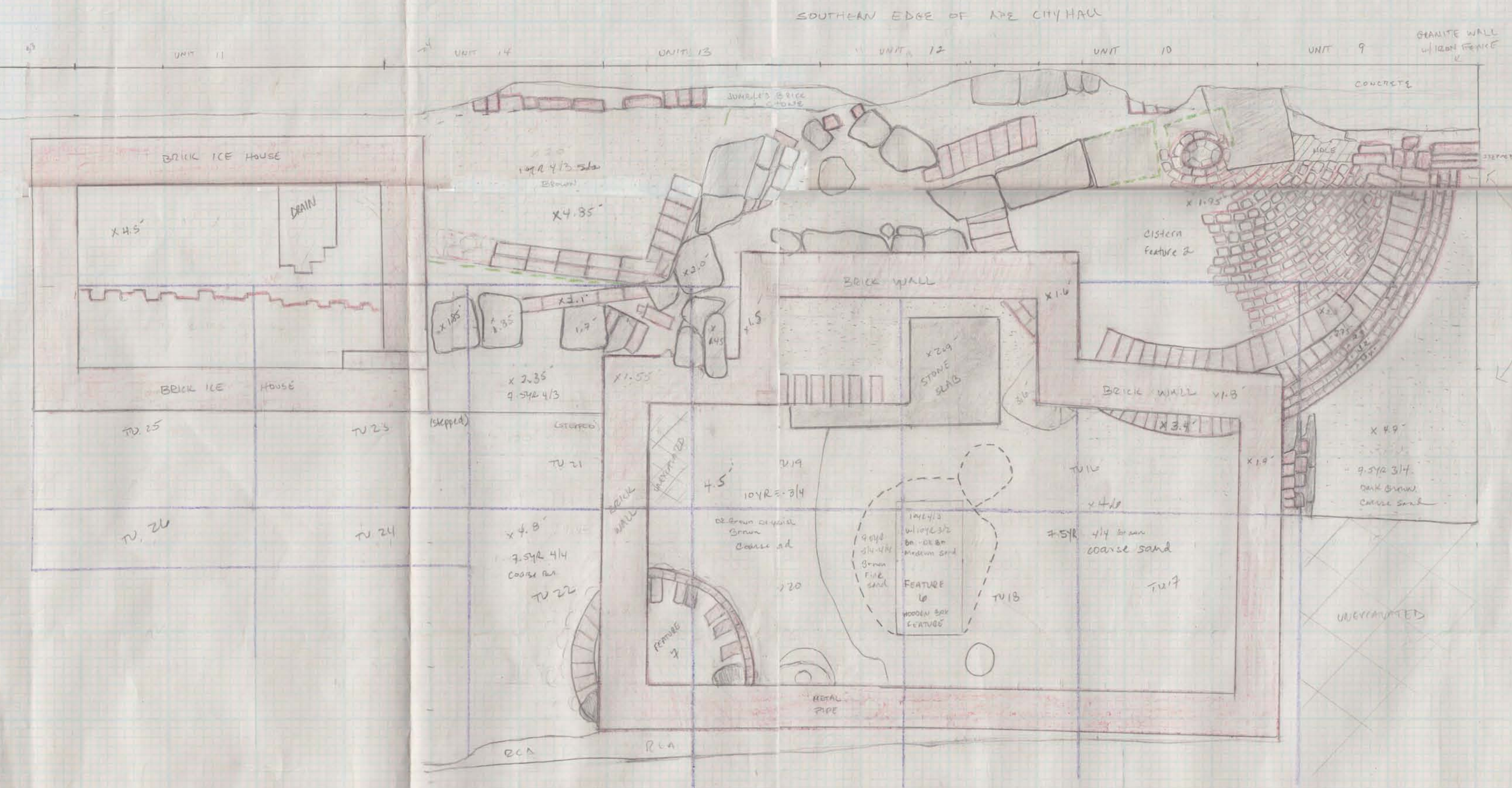
BRICK ICE HOUSE

10/24/13



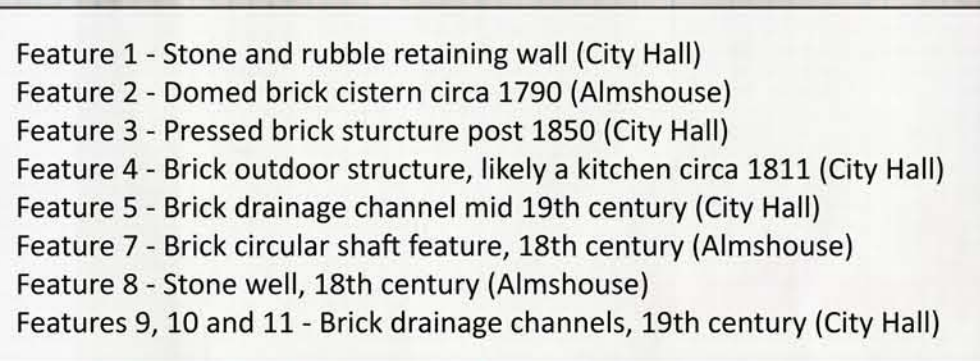
CITY HALL PARK
1943074 00000
June 7-10 2010
Trench 1
PLAN VIEW
6.9.10 - 7.1.10
E. KRALL L061356

SCALE
0 1.0 2.0



Small note at bottom left of the plan view, possibly describing a feature or measurement.

A hand-drawn scale bar labeled "SCALE" with markings for 0, 1.0', and 2.0'.

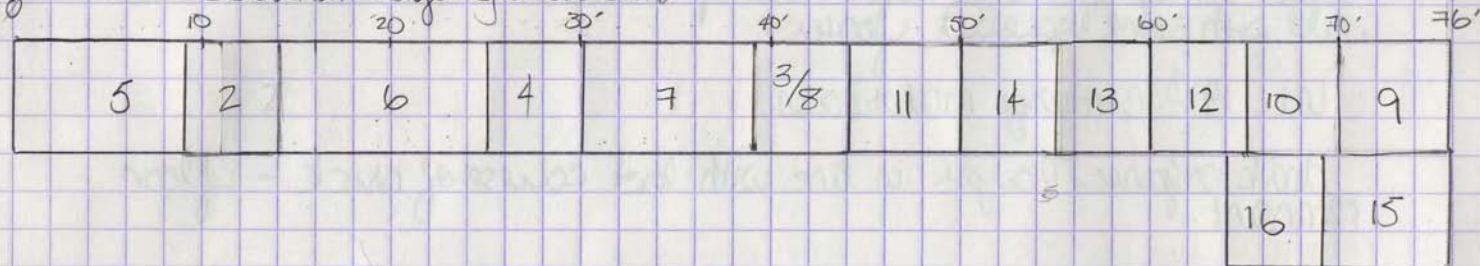


Test units
Schematic

Ramp
←
0

↓
N

southern edge granite curb

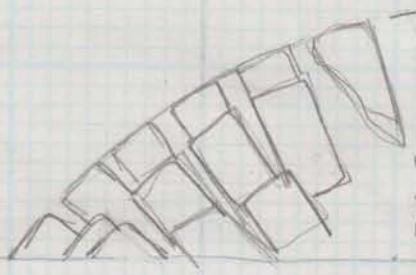


10 YR 3/3 - 3/4
DK Brown + DK Yellow Brown
very coarse sand

7.5 YR 5/1 - 4/4
Brown
Fine Sand

FEA 6
10 YR 4/3 mottled
w/ 10 YR 3/2
Brown + DK Brown
Med Sand

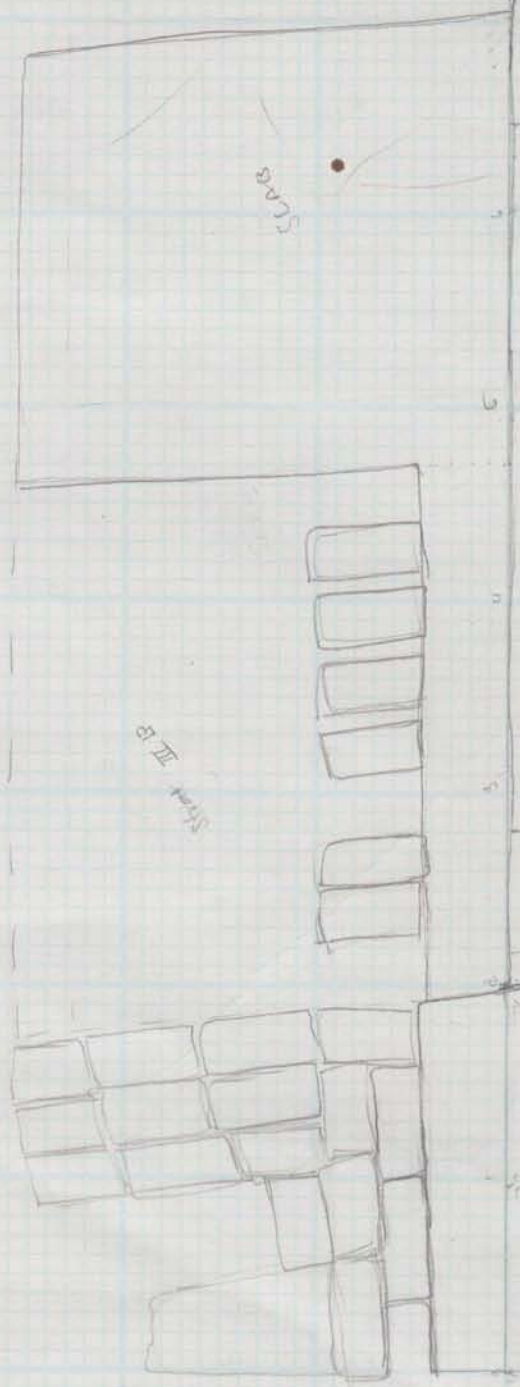
10 YR 4/3
mott. w/
10 YR 3/2



FEA 7

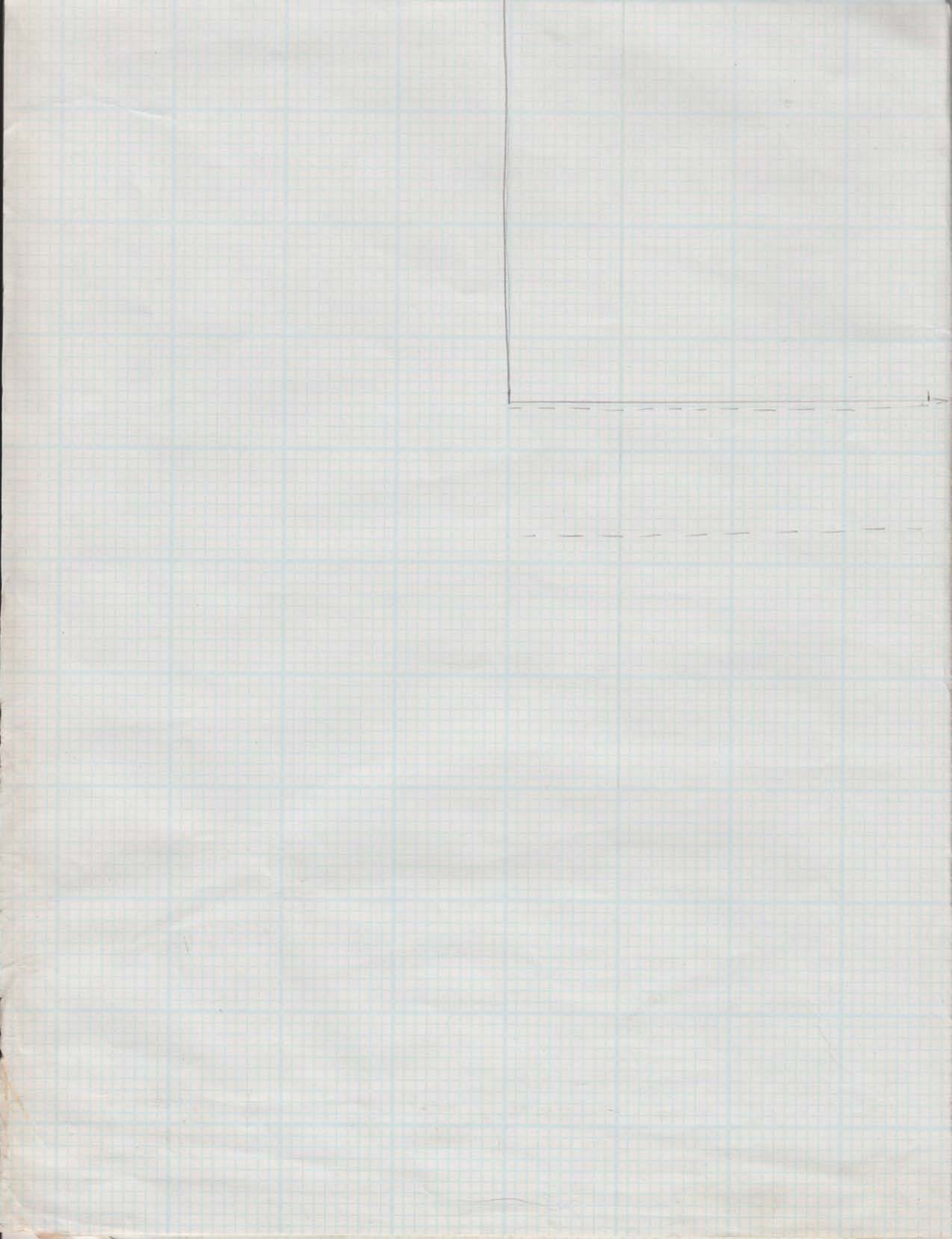
7.5 yr
coarse

10 yr 5/4 - 4/6
yellow brown
+ Dr yellow brown
Sand

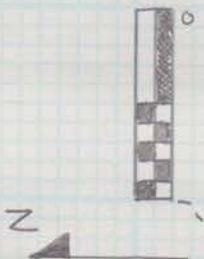


Scars

Sheet II B

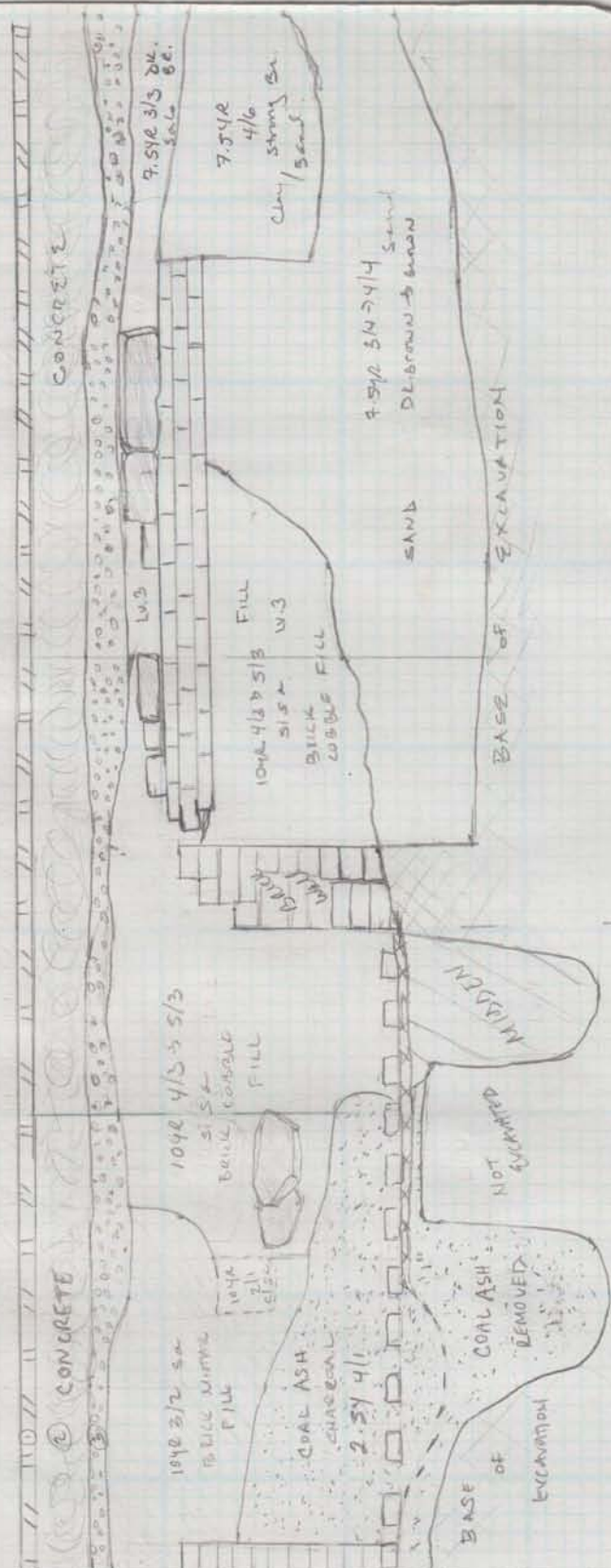


CITY HALL PARK
Tus 15, 16, 17, 18, 19 + 20
PLAN VIEW of Units + Features
7/28/10 E. KRAU, E. KTO



14 Brown
sand

UNIT 3
UNIT 11

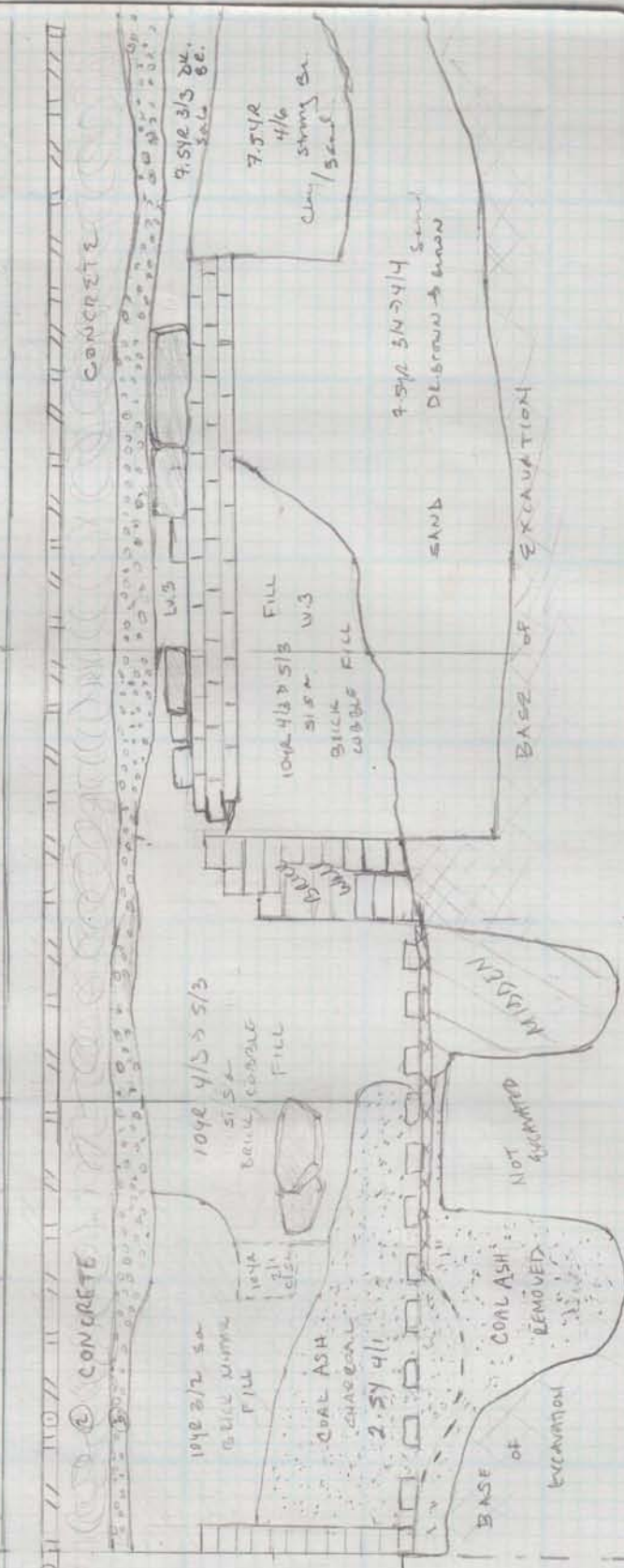


POSSIBLE ICE HOUSE INTERIOR

INTERIOR OF ICE HOUSE DAMAGED AS ONE LEVEL TO BASE OF FLOOD.
 XXX THIN SAND LAYER BEHIND BRICK FLOOR
 COAL ASH
 CLAY (SHED FILL NOT EXCAVATED (STREPPED)
 MOUND BEHIND ICE HOUSE BRICK FLOOR

26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

UNIT 11



← POSSIBLE ICE HOUSE INTERIOR →

INTERIOR OF ICE HOUSE REMOVED AS ONE LEVEL TO BASE OF FLOOR.
 HAVE THIN SAND LAYER BENEATH BRICK FLOOR.
 COAL ASH

1.35

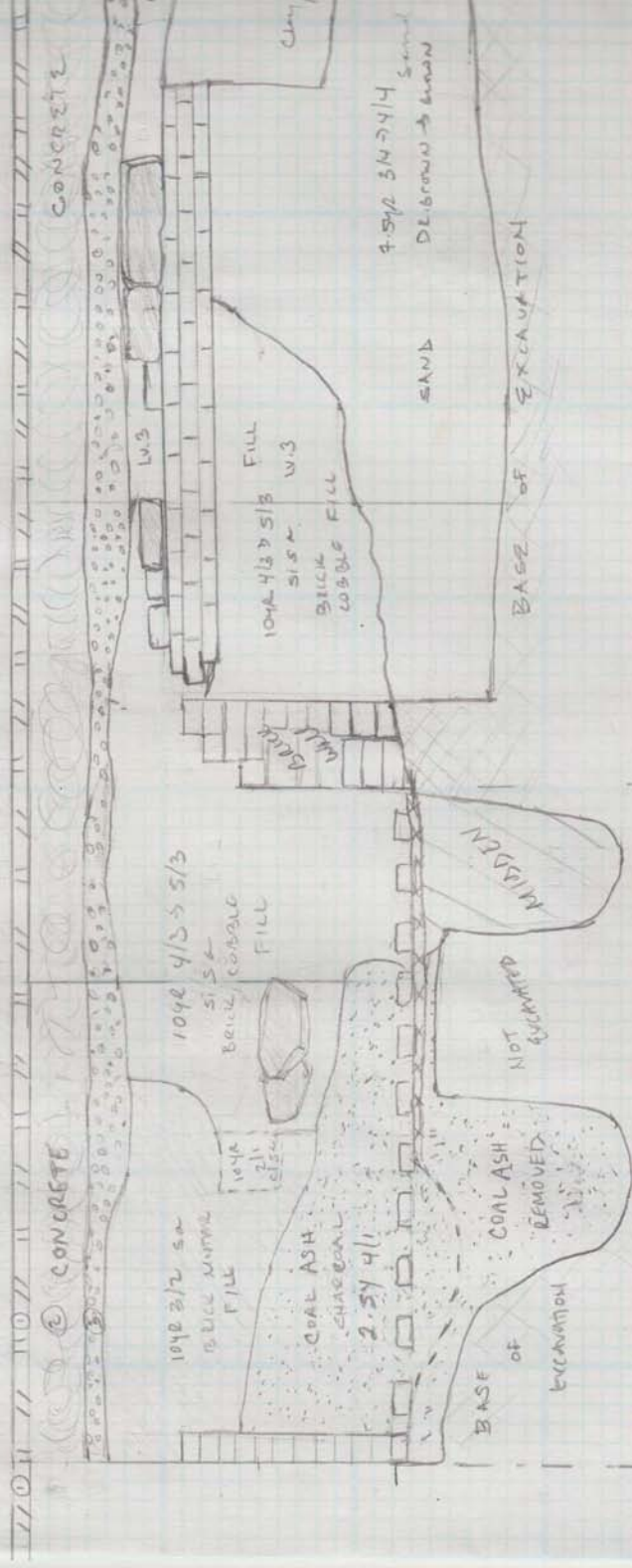
UNIT 3

UNIT 11

5

2

UNIT ?



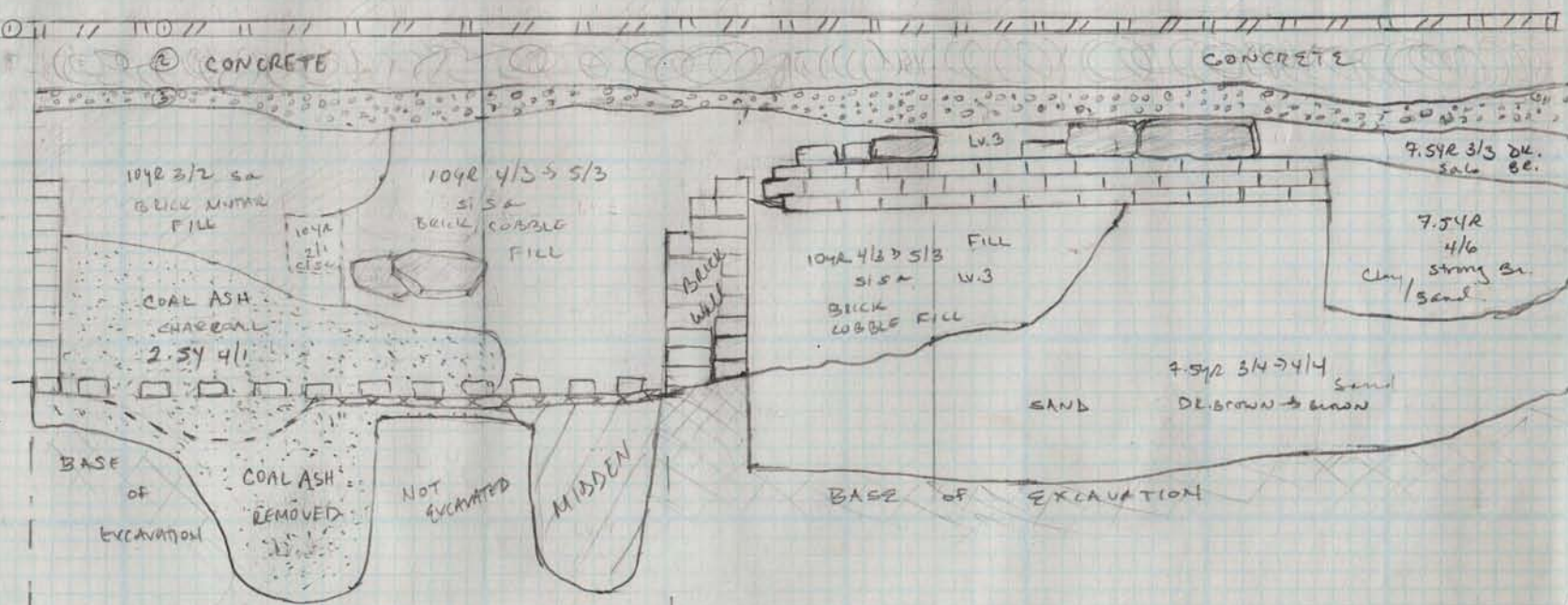
POSSIBLE ICE HOUSE INTERIOR →

W.3 INTERIOR OF ICE HOUSE REMOVED AS ONE LEVEL TO BASE OF FLOOD.
 W.4 XXXX THIN SAND LAYER BENEATH BRICK FLOOR
 W.5 COAL ASH

NORTH PROFILE

UNIT 11

UNIT 2



← POSSIBLE ICE HOUSE INTERIOR →

W.3 INTERIOR OF ICE HOUSE REMOVED AS ONE LEVEL TO BASE OF FLOOR.

W.4 XXXX THIN SAND LAY

W.5 COAL ASH

W.6 clay/sand FILL NOT

W.7 MIDDEN BENEATH

SOUTHERN EDGE OF ARE

GRAVITE
u/100m F

UNIT 14

UNIT 13

UNIT 12

UNIT 10

UNIT 9

UNPAVED BRICK
STONE

X 2.0
10/2 4/3 Sals
Brown

CONCRETE

HOLE

X 1.95

BRICK WALL

FILL

BRICK
RUBBLE

X 5.4

BLUE
STONE
X 2.96

BRICK WALL
X 1.0

X 3.6

7.5/2 3/4
Dark Brown
Coarse sand

X 4.0

X 1.9

X 4.9

7.5/2 3/4

Dark Brown
Coarse sand

UNIT 16

UNIT 15

BRICK

FLAG STONE

FLAG STONE
REMOVED

FILL/SAND MATRIX

SCALE

0 1.0 2.0

CITY HALL PARK

19637074.00000

JUNE 7 - 10 2010

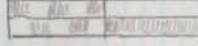
Trench 1

PLAN VIEW

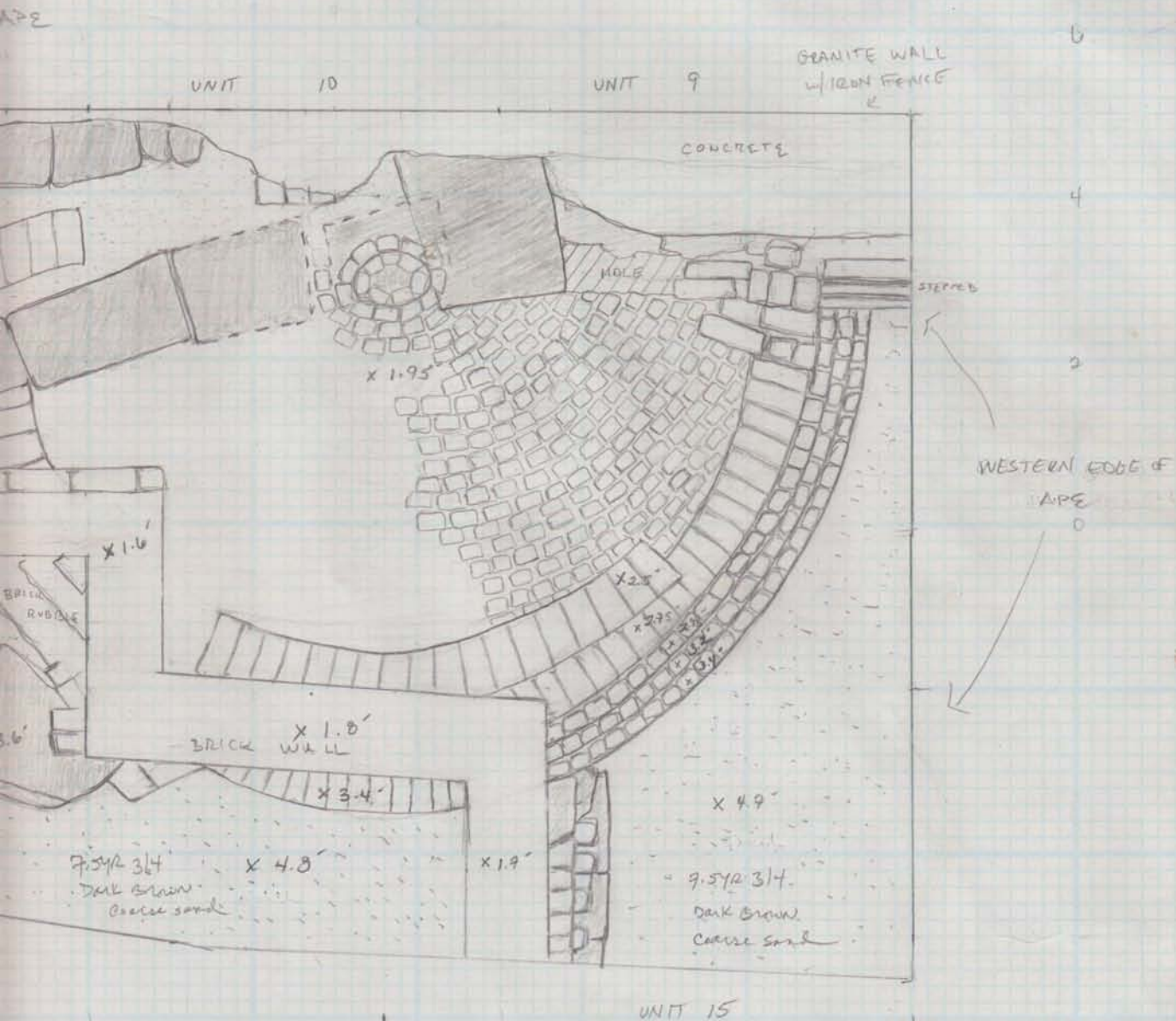
6.9.10 → 6.17.10

E. KRAHL, L. Geiger

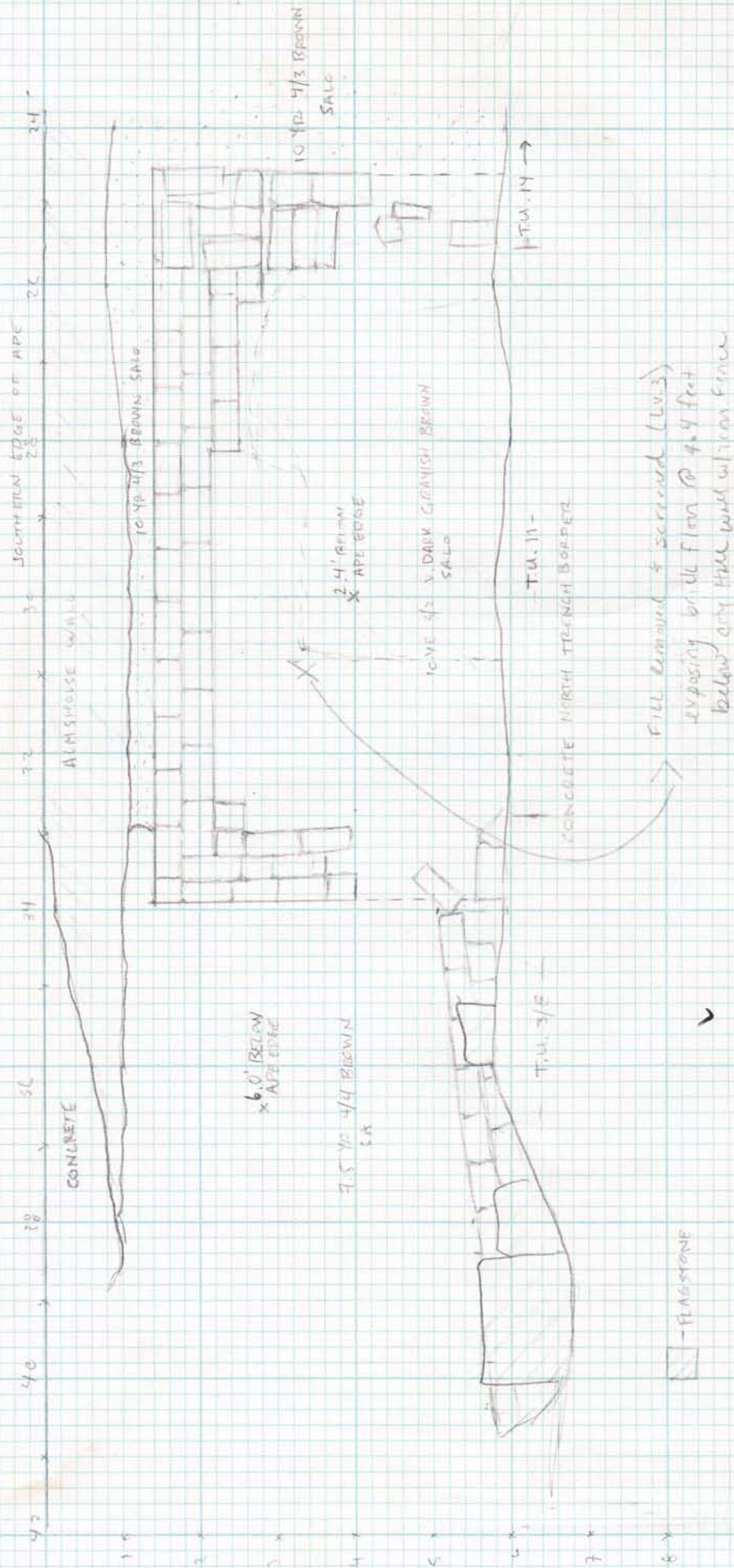
SCALE



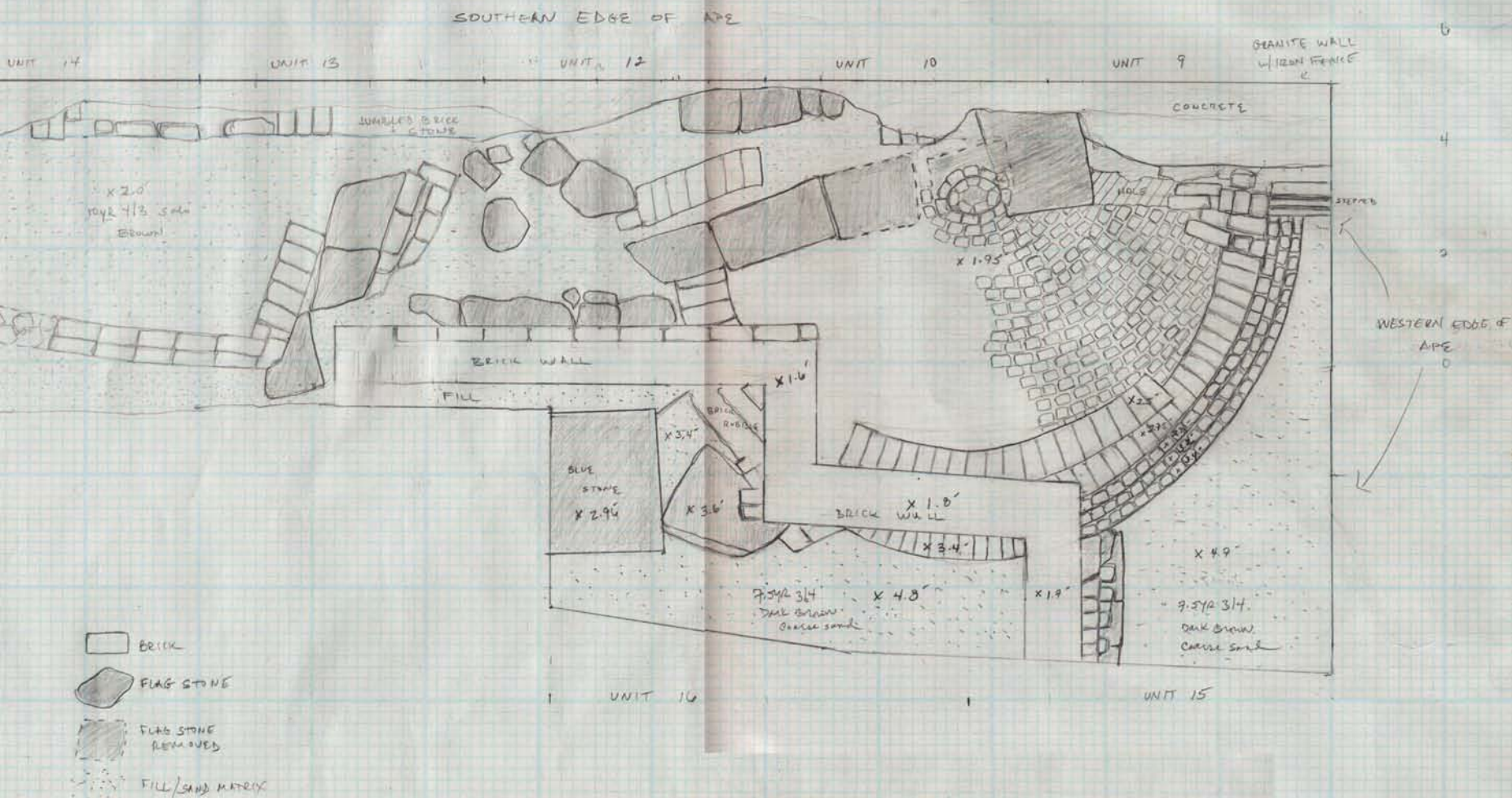
0 1.0 2.0'



CITY HALL PARK
10 JUNE 2010
TRENCH RANVIEW
19



A scale bar labeled "SCALE" with markings for 0, 1.0, and 2.0.



CITY HALL PARK
JUNE 11, 2010
TU 8:11, 15, 14



74 74 72 70 68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16

6.0' BELOW
X REEF
APE EDGE

2.1'
X REEF
APE EDGE

X 4.5' BELOW
APE EDGE

DRAIN
3x16 S/I
SA
w/ 1/2" HILL

X 1.9' BELOW
APE EDGE

SOUTHERN EDGE OF APE

10 YR. 3/8" SA w/ 1/2" HILL - TROOPERS
(CULV)

X 2.65' BELOW
APE EDGE

10 YR. 3/8" SA
MORTAR w/ 1/2" HILL
TALL MOUNTAIN
(CULV)

X 2.4' BELOW
APE EDGE

10 YR. 3/8" SA CL
(CULV)

X 1.89' BELOW
APE EDGE

10 YR. 3/8" SA CL

- FLINTSTONE

TUE 11

TUE 14

TUE 22

14

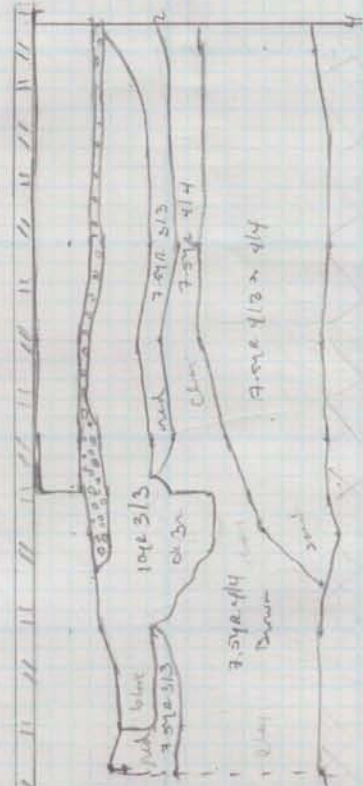
$$\frac{64}{12}$$

310

$$\frac{u^3}{v}$$
$$\frac{70}{9}$$
$$\frac{k}{2t}$$
$$\frac{1}{2} \ln t$$
$$\frac{57}{0}$$

UNIT 2

UNITS



WALL

COLLA PSE

 $1/2$

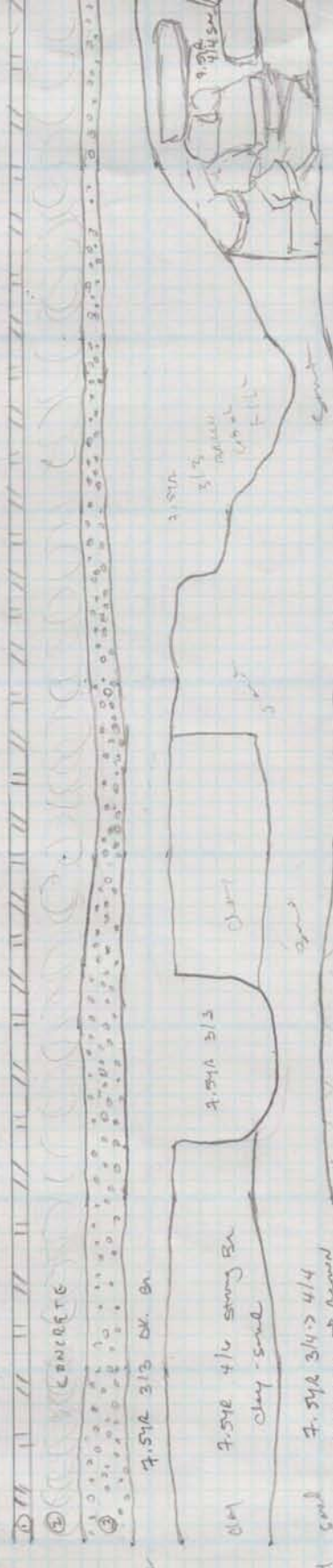
47	44	46	52	54	56
32	30	28	24	22	20

UNIT 6

UNIT 4

UNIT 3

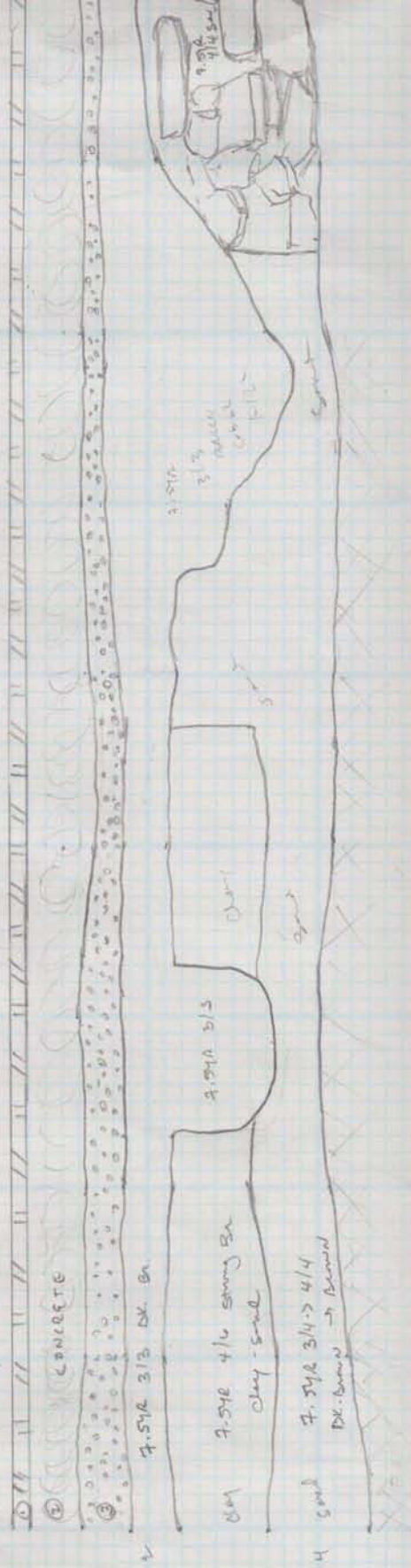
Δ DATUM TRENCH STAKE
WALL ALONG SOUTHERN
EDGE OF TRENCH.



42	44	46	50	54	56
28	32	36	40	42	48

0 UNIT 2 UNIT 4 UNIT 6

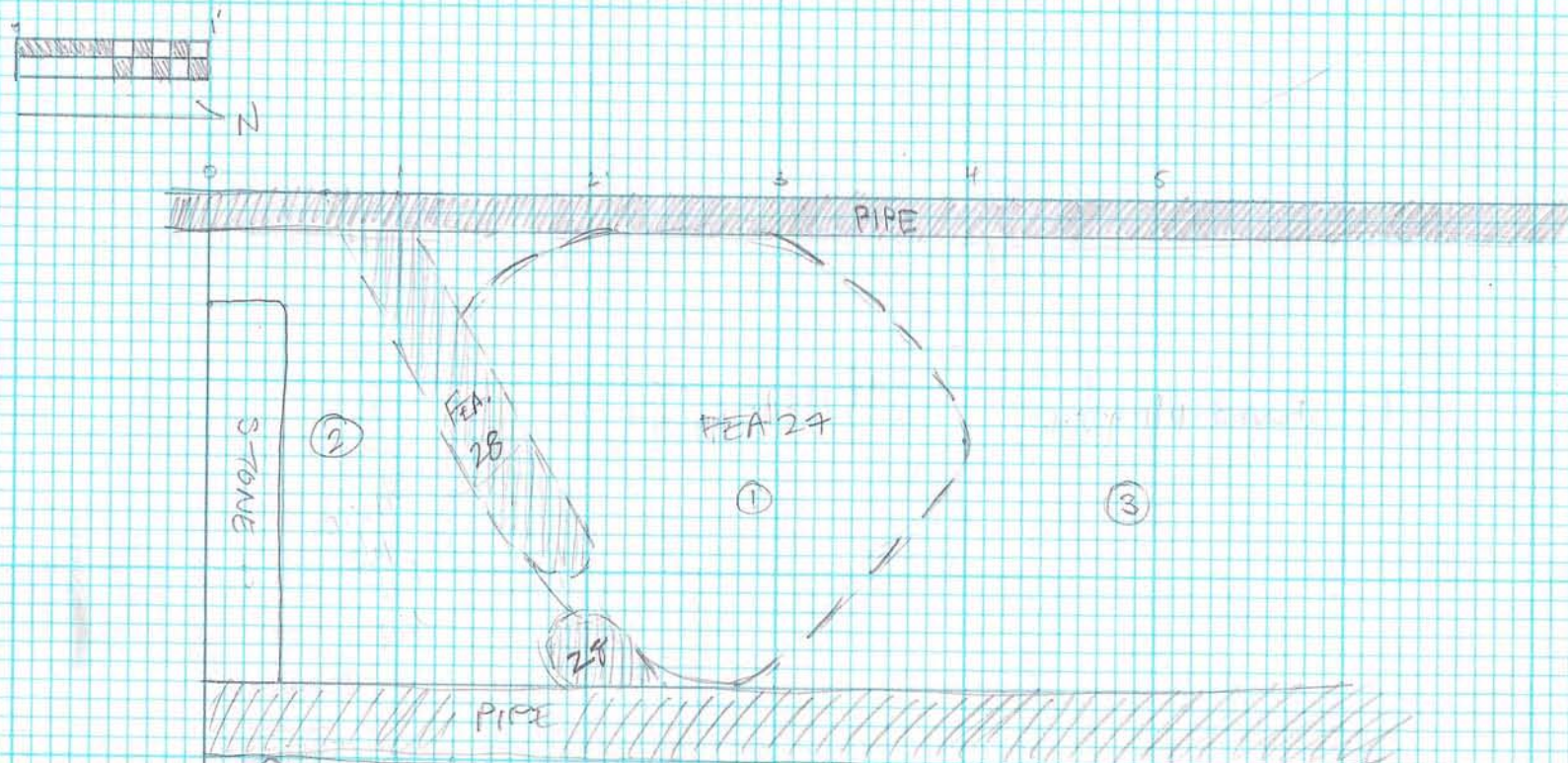
Δ DRAIN GRANITE STONE
WALL ALONG SOUTHERN
EDGE OF TRENCH.



11 11 11 STONE DRAINAGE BY JOEAT
(11 11 11) CONCRETE
GRAVEL

FEA 27:20
9.24.10

CITY HALL
FEA 27 PLAN VIEW
9/24/10



F. 28 10 YR 2/3 silty sand - FEATURE 27 fill

① 7.5 YR 3/4 sandy fill

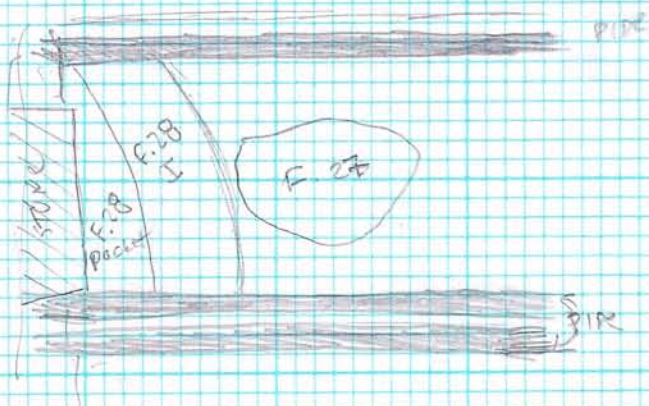
③ 2.5 YR 5/4 coarse sand, subsoil

FEA 27: Presented as darker soil staining beneath concrete fill of manhole area in N. west path. to the south appeared a large rectangular stone, vertically. Also appeared was a line of even darker, and dense in area of soil staining profile of which can be seen in excavated area west wall beneath pipes. Darker soil cuts across south of possible pit feature, during the actual southern boundary of feature. Northern boundary is more distinct.

CITY HALL PARK
MURPHY ST. PARK/MANHOLE
Feb 27 + 28

CITY HALL PARK
Feb. 27. 28
9.24.10

IN PROGRESS SKETCH: N →



7.5 yr 5a mottled w/ 10 yr 3/2 5a 0

F. 27 - Originally occurred as large cloudy circular stain measured 3' below bluestone, w/ artifact rich band cutting across E-W. (see opening plan view). This band re-named Feature 28 + excavated separately. F. 27 appears to be a thin stain w/ 18-19th century F. 71, terminating by 3.5' below bluestone.

Artifacts - pipe stems, blue shell-edge, copper loopshank button

F. 28: Visible as semi-circular stain, originally thought to be a trench cutting into F. 27. Appears to be a pit receding South under a vertical stone slab - only NW portion of pit visible until surrounding bluestone is removed.

Level I - 10 yr 5/3 ^{se pockets} w/ ash + charcoal - v. artifact - bone, teeth, stoneware, heartware, redware, loopshank button, bow buttons, window glass, bottle glass

• pockets overlying Level I + abutting large vertical stone slab removed separately - 7.5 yr 4/3 ^{seal} - Lower artifact density than underlying Level I. Terminates ^{ca 2'} underneath stone slab, bordered by strat I on Feature 27 edges

Level 2 = dark, artifact rich tea fill beneath slab + Lr I. Large faunal component, mostly appears to be large horse remains

Level 3 = lighter grey fill w/ ash + somewhat less artifacts

↳ pocket of whitish fill in SW of F. 28 NW. Appears to be mix of ^{Mortar} calcined bone + ash

10/21/10

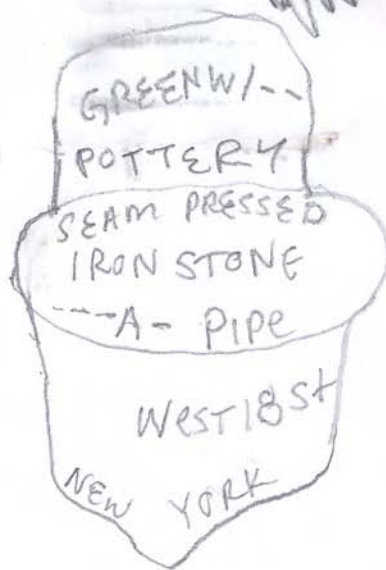
4.

pencil
rubbing :



F. 28 NE.
PIPE TRENCH :

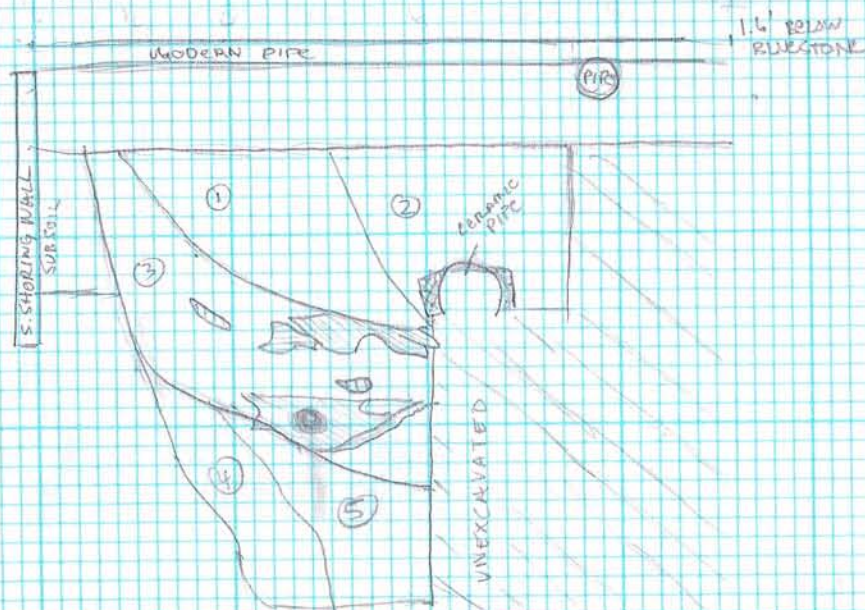
Stamp on
ceramic pipe



CITY HALL PARK
30'x30' MANHOLE - W. PATH
FEATURE 28 N. CENTRAL SECTION
10/15/10



F.28 EAST PROFILE
N. CENTRAL

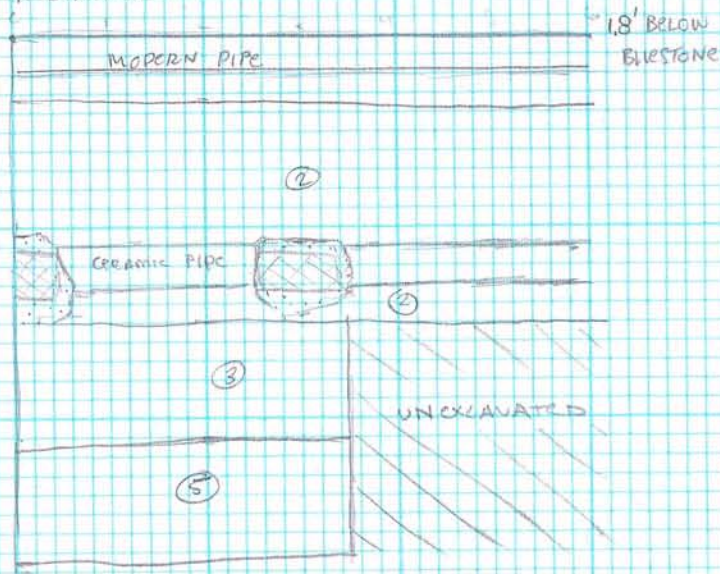


- ① 7.5 YR 4/3 SA - F.28 LVL 1
- ② 7.5 YR 4/4 MORTAR w/ 2.5 YR 5/3 SA - F.28 PIR MORTAR
- ③ 10 YR 3/2 SISA w/ CHARCOAL FLECKING - F.28 LVL 2
- ④ 10 YR 6/2 SISA w/ CHARCOAL, MORTAR & ASH - F.28 LVL 3
- ⑤ 10 YR 4/2 SISA w/ ASH - F.28 LVL 4



↳ Auger test into Lvl 4/5
↳ Subsoil Reached @ 1.5'
below bottom of current
excavation (bottom of East Profile)

F.28 SOUTH PROFILE
N. CENTRAL

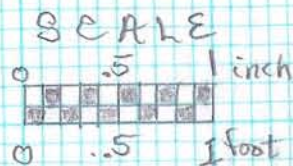


CITY HALL PARK
19/25/2010

NW SECTION
OF FEAT. 28

PROFILE EASTS OF FEAT. 28

0 - FLAGSTONE



KEY

① MED TO COARSE
SAND + GRAVELS

STRATIFIED
BANDS
OF
CLEAN FILL

①

② moist sand + gravels
w/ low density of
bone, charcoal, brick

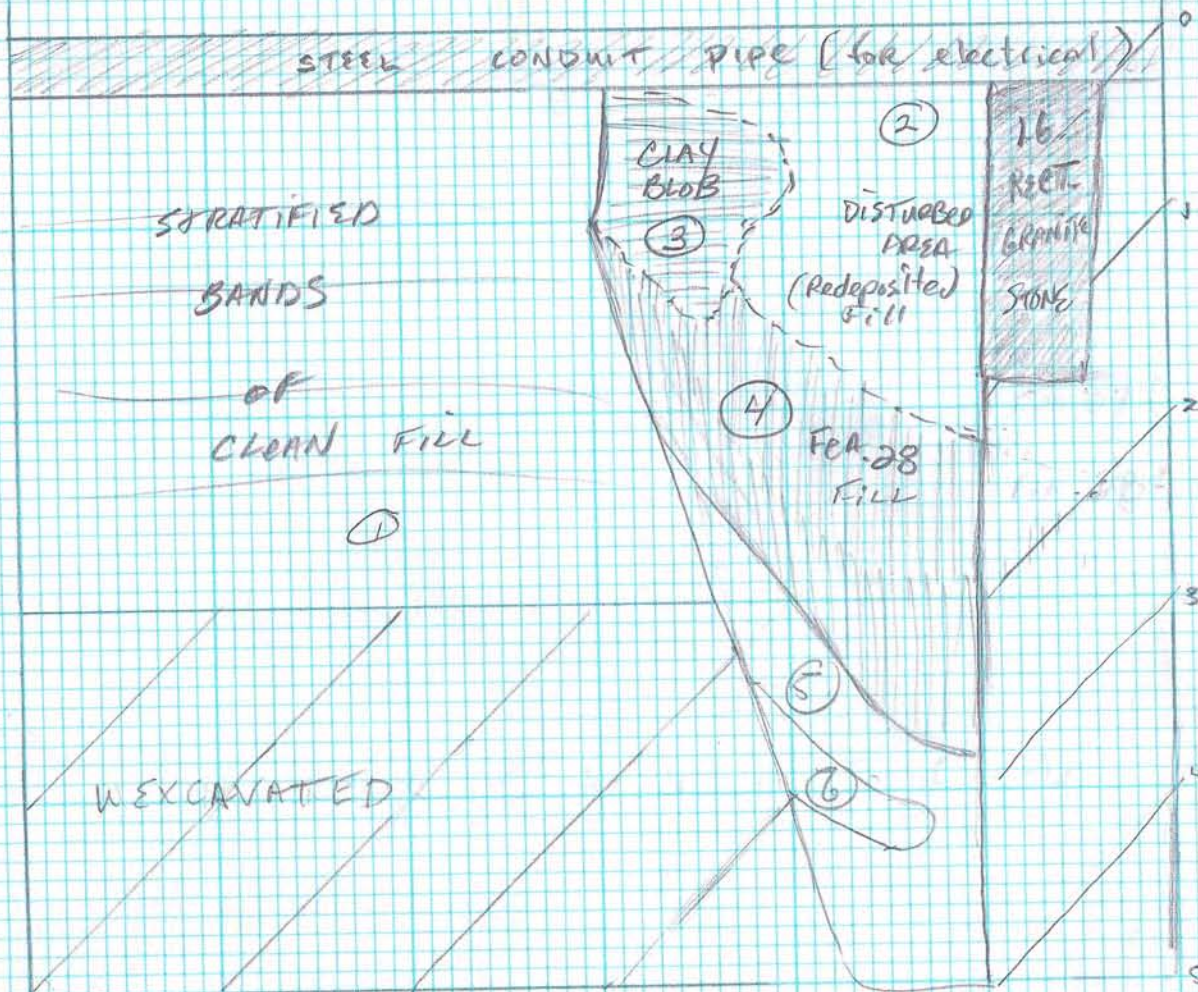
③ clayey sand
w/ flecks of
mortar + brick

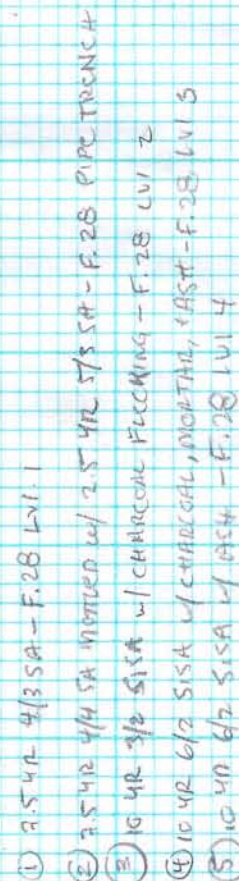
W EXCAVATED

④ v. moist gray/ashy
sand w/ charcoal
dense lg. mammal bone
+ 18th-c ceramic, glass
trash deposit w/
mortar + brick

⑤ 10 yr 5/2 SAND + ASH
low 18th/19th cent. artifact
frequency

⑥ 7.5 yr 5/4 COARSE SAND,
STERILE



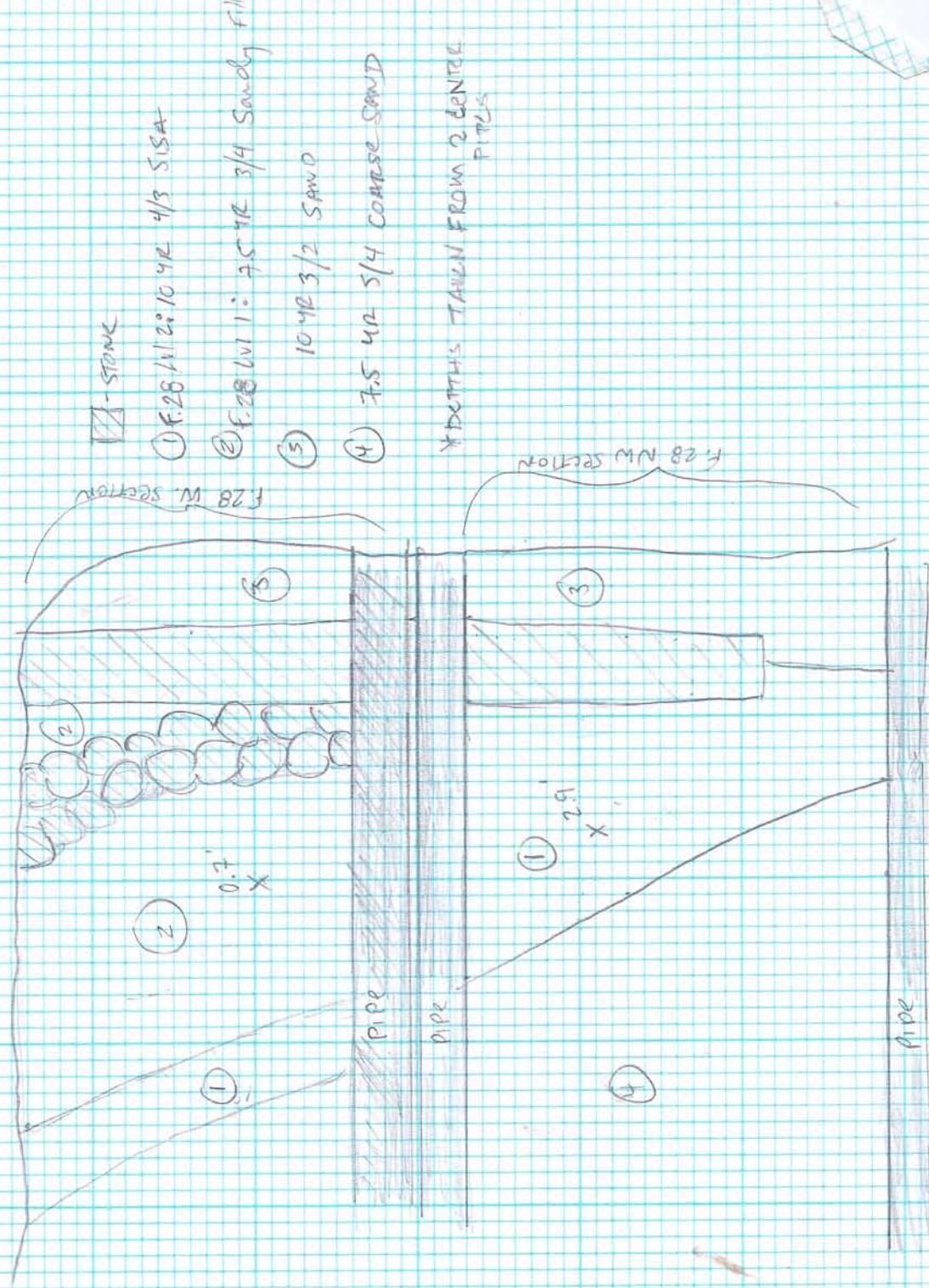


*ALL DIPS TAKEN FROM BEDSTONE SURFACE



- | | |
|---|------------|
| ° | - concrete |
| D | - RCA |
| 2 | - PORTLAND |
| X | - WOOD |
| | - METAL |

CITY HALL PARK
 30x30 N. ANGLE
 FEATURE 28
 PLAN VIEW IN PROGRESS
 7/29/10



CITY HALL PARK

30x30 MANHOLE

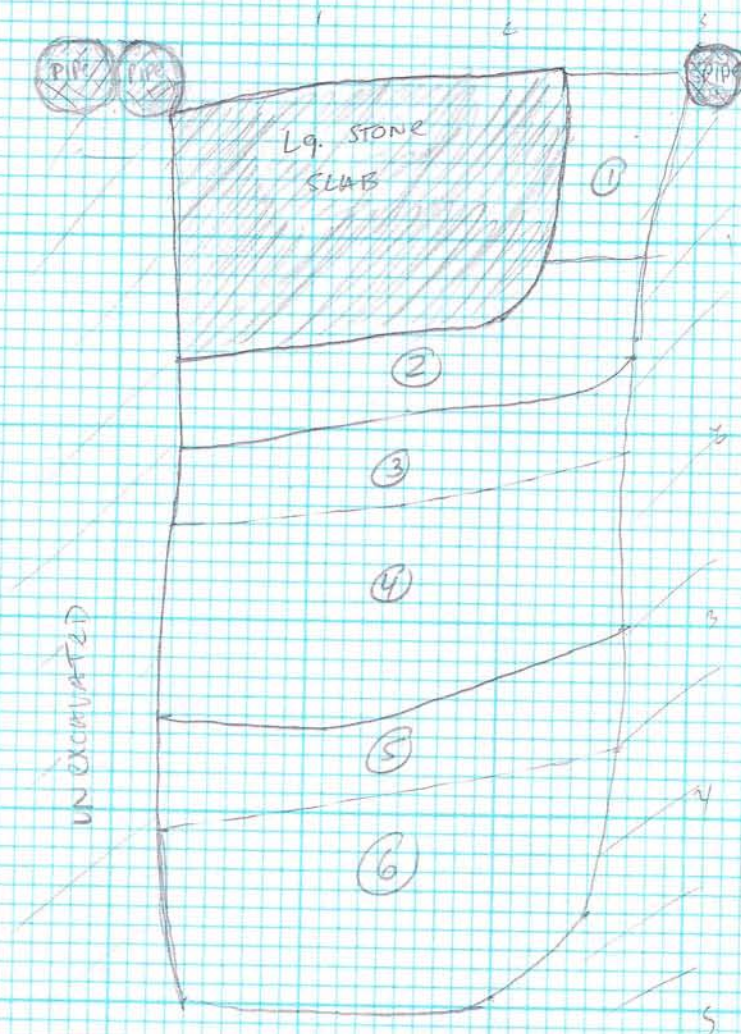
FEATURE 28 NW SECTION

9/29/10

EE, LG



SOUTH PROFILE



① 10 YR 4/4 SAND

② 7.5 YR 3/4 SAND - F.28 LVL 1

③ 10 YR 5/3 SISA, ASH, LOW ARTIFACT FREQUENCY

④ 10 YR 4/3 SISA, ASH, V. HIGH 18th/19th CENT. ARTIFACT FREQUENCY } F.28 LVL 2

⑤ 10 YR 5/2 SAND + ASH, LOW ARTIFACT FREQUENCY, SOME CHARCOAL

⑥ 10 YR 5/2 SAND + ASH, V. LOW ARTIFACT FREQUENCY } F.28, LVL 3

--- DOTTED LINES INDICATE FILL LEVELS WITHIN STRATS

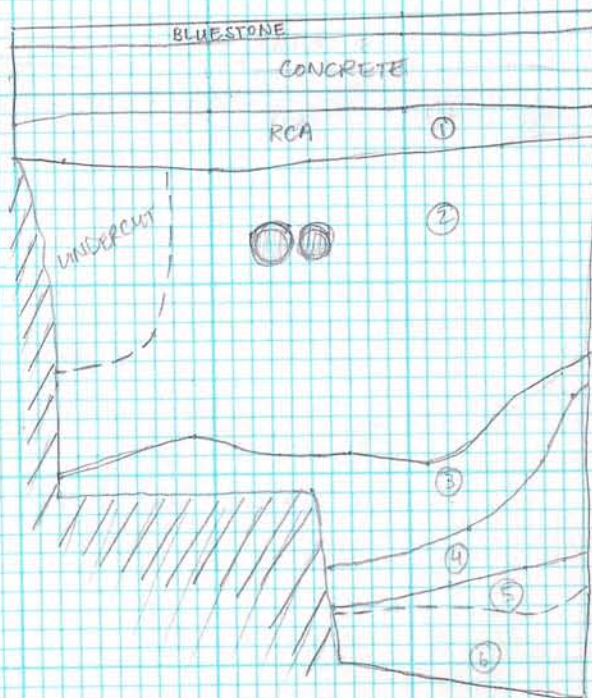
■ - STONE

CITY HALL PARK
30x30 MANHOLE - FEA 28, S. PROFILE

10/6/10



↓ N



- ① RCA
- ② FEA 28 - Strat I -
- ③ FEA 28 - Strat II
- ④ FEA 28 - Strat III
- ⑤ FEA 28 - Strat III
- ⑥ FEA 28 - Strat III

⊗ = Utility pipe (modern)

CHIP

30' x 30' Manhole 2ND

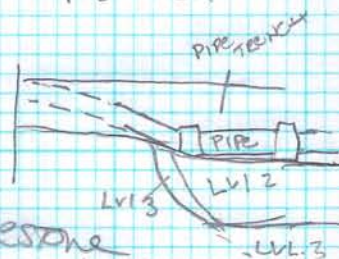
10/21/10

FEA. 28 + 29 EXTENSION TO FIT NEW STORING
DIMENSION

SOUTH PROFILE
SKETCH: NE SECTION

FEA. 28 LVL 3 ASHY FILM PRESENT

Along east feature boundary, below
more substantial deposit of LVL. 2.
LVL. 2 TERMINATES @ APPROX. 4' BELOW BLESSED
ATOP LVL. 3 - excavation halted at Lvl. 2 termination due to depth.



- PIPE TRENCH ABOVE LVL. 2 CONTINUES TO RUN E-W, PASSING
EAST OF FEA. 28'S APPARENT EAST BOUNDARY.
- PIPE TRENCH CUT LATER THROUGH FEA. 28 FILL TO
ACCOMMODATE CERAMIC PIPE. CERAMIC PIPE SLOPES
DOWN TO THE WEST (SEE PHOTOS), TURNING AT JOINTS
THAT ARE RE-ENFORCED W/ MORTAR + BRICK.

↳ Broken
BRICK COLLECTED STAMPED: "CKWAY"

- IMPRESSED PORTION ON PIPE
READS "GREENWICH POTTERY" - SEE FULL DETAIL
ON NEXT PAGE.

- PIPE TRENCH BECOMES .6'-.8' SHALLOWER IN EASTERN PORTION
OF F. 28 NE EXCAVATION WHERE THE CERAMIC PIPE BENDS UP AT MORTARED
JOINT

ARTIFACTS - F. 28 LVL. 1, 2, + 3 KINDS REMAIN CONSISTANT W/ EARLIER
EXCAVATION: 18th + 19th CENTURY CERAMICS, BOTTLE GLASS, BONE BUTTON
COPPER BUTTONS, 1 BUCKLE, LARGE AMOUNT OF HORSE + FISH BONE
BLANKS

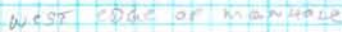
- PIPE TRENCH: REDWARE, PAINTED PEARLWARE - APPEARS SLIGHTLY LATER
THAN F. 28 MIDDEN FILL



FEA. 29 SOUTH HALF - V. SMALL (4' thick) REMAINING
TRAILING SE TOWARDS MANHOLE EAST BOUNDARY, TERMINATING IN
NATURAL SANDY SOIL. CONSISTENT W/ RECTANGULAR SHAPE @
PREVIOUSLY EXCAVATED - THIS WAS LAST OF REMAINING F. 29.

ARTIFACTS - REDWARE, CREAMWARE, LOWER AMOUNT OF BONE
THAN NEARBY F. 28

WEST PATH
30'x30' M4NTHOLE

0



=summed file

① 7.5 hr w/3 SA-F.26 LVII
② 10 hr 3/2 51 SA w/CHH

① 7.5 hr 4/8 SA - F.28 W.1
② 10 hr 3/2 - 5.5A W/CHARTER FICKING - F.25 W.1.2

MAN HOLE SOUTH EXTENSION
ADDED 10/12/10

F.29 NORTH HALE
REMOVED 10/11/10

SCALE



SOUTH FACE PROFILE

of Fea 28 + 29

CITY HALL PARK
MANHOLE - (3/23)
FEA. 28-N.EAST
10-18-10

BLUE CEMENT / PAVERS / STONE
MORTAR BED

Rebar and CONCRETE

RUNNING NORTH SOUTH



SERIES OF STEEL CONDUIT PIPES

.3' CONDUIT pipe

RUNNING EAST / WEST

Pipe trench to disturbance (asphalt + cobble)

F.29

Lv. 1

10" R-1/2
red Co. 3A

sub soil

Fea. 28 Lv. 1

Lv. 2

Lv. 3

Lv. 3
Continues

Lv. 2 Continues

UNEXCAVATED

1.0F#

F. 29
East Wall

CHP 2010
DBS 10/19/2010

Shoring
Post

Blue Stone
Cement / Mortar Bed

RCA + Concrete etc

Conduit (5)

Pipe Trench + disturbance (Asphalt + Cobble)

Unexcavated Subsoil

Fca29, lv. 1

City Hall Park, West Path
30'x30' man hole
10/11/10

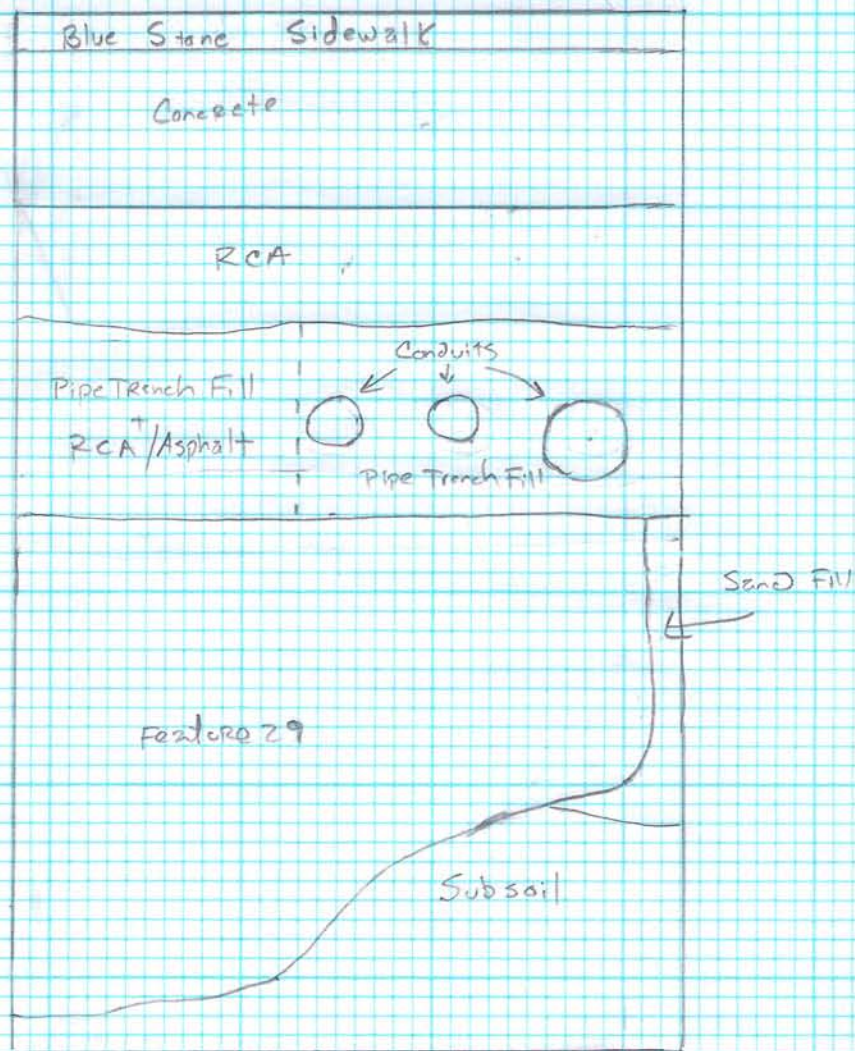
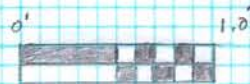
FEATURE 29 - See opening plan view

- Basin-shaped pit feature w/ 18th+19th century artifacts, large amount of bone.
- Rectangular shaped (roughly 4'x3.2') protruding North from Feature 28 and abutting the concrete curb East edge of the West Path 30'x30' Manhole, first identified while trying to define North border of F.28 - distinction between F.28 and F.29 not clear - 6 modern pipes in the way, and documentation & excavation hurried in order for construction crew to install wooden shoring.
- Excavation of North $\frac{1}{2}$ - removed + profile along edge of F.28 photographed. Terminates @ roughly 3.45' below bluestone walk at natural sand. ^{South}
- 1.5' thick band of RCA fill cut into the NE section of F.29, probably as a base for the modern concrete walkway border.

ARTIFACTS:

N $\frac{1}{2}$ = Creamware, shell, bone, pipe stems, bottle glass, ^{glass} tumbler, stoneware, ~~lids~~, bone buttons, copper buttons (pass coins? need clean-up), red slipware.

City Hall Park
30x30 manhole
Fea 29 North
Profile of South Wall
10/11/2010
DBS



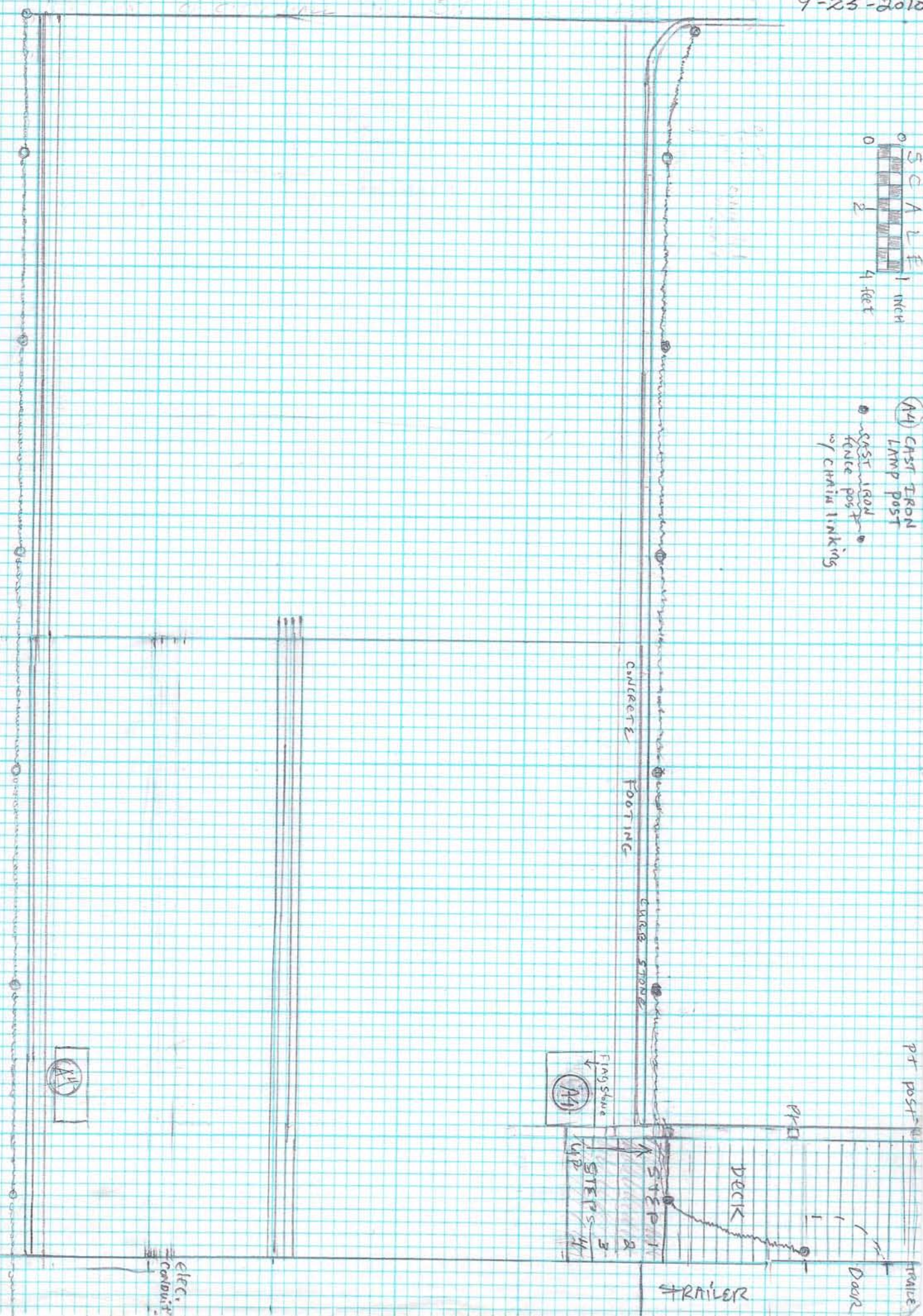
GRID
North

A Plan of AREA NW PATH

City Hall Park
9-25-2010



(A4) CAST IRON
LAMP POST
CAST IRON
FENCE POST
w/ CHAIN LINKING



CITY HALL PARK

MANHOLE 3-WEST EXTENSION

4/20/11

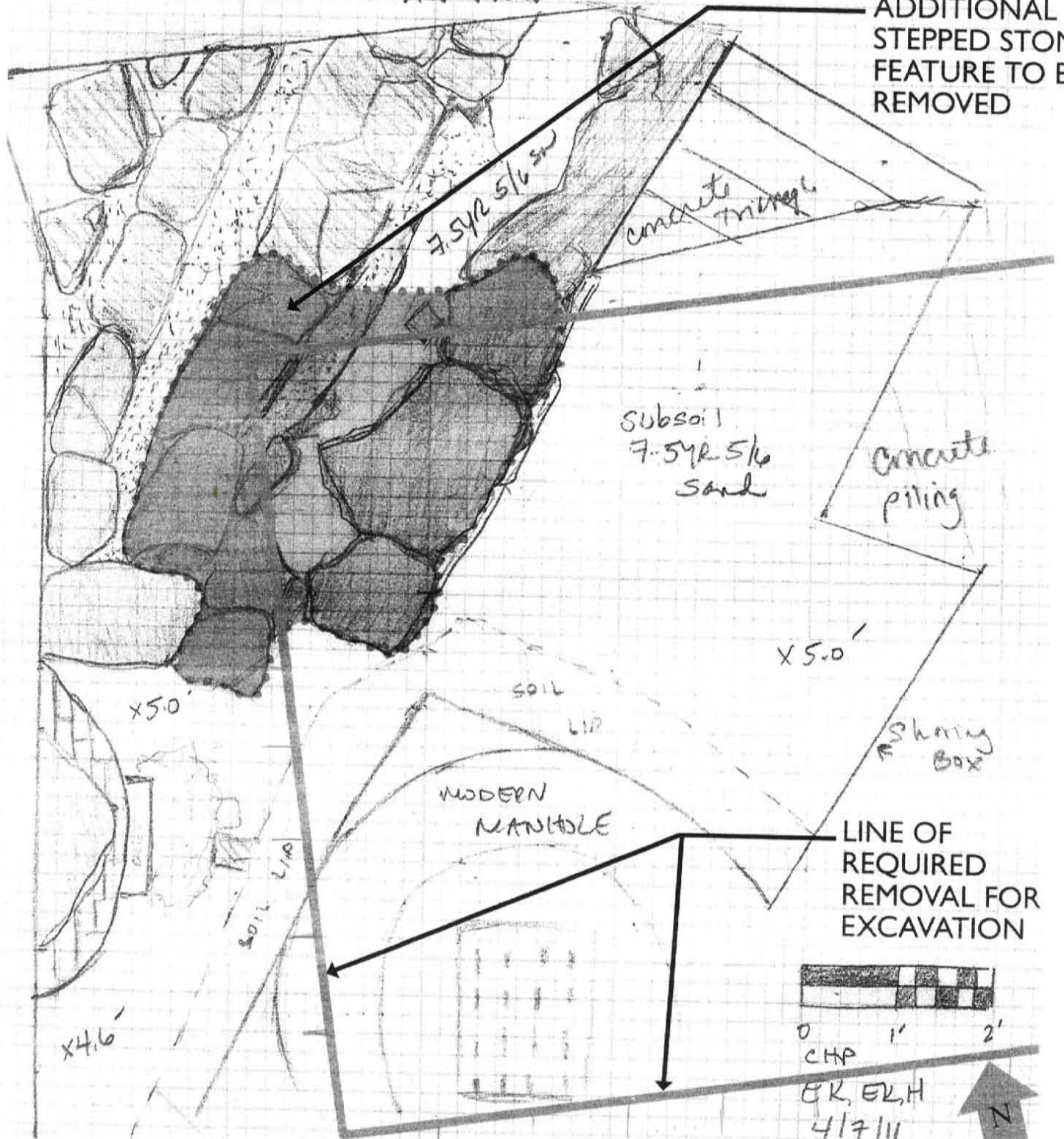
LG



MANHOLE 3 EXTENSION/F. 36+37
SOUTH PROFILE

MAN HOLE #3 EXTENSION
PLAN VIEW

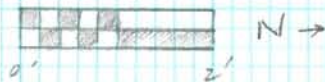
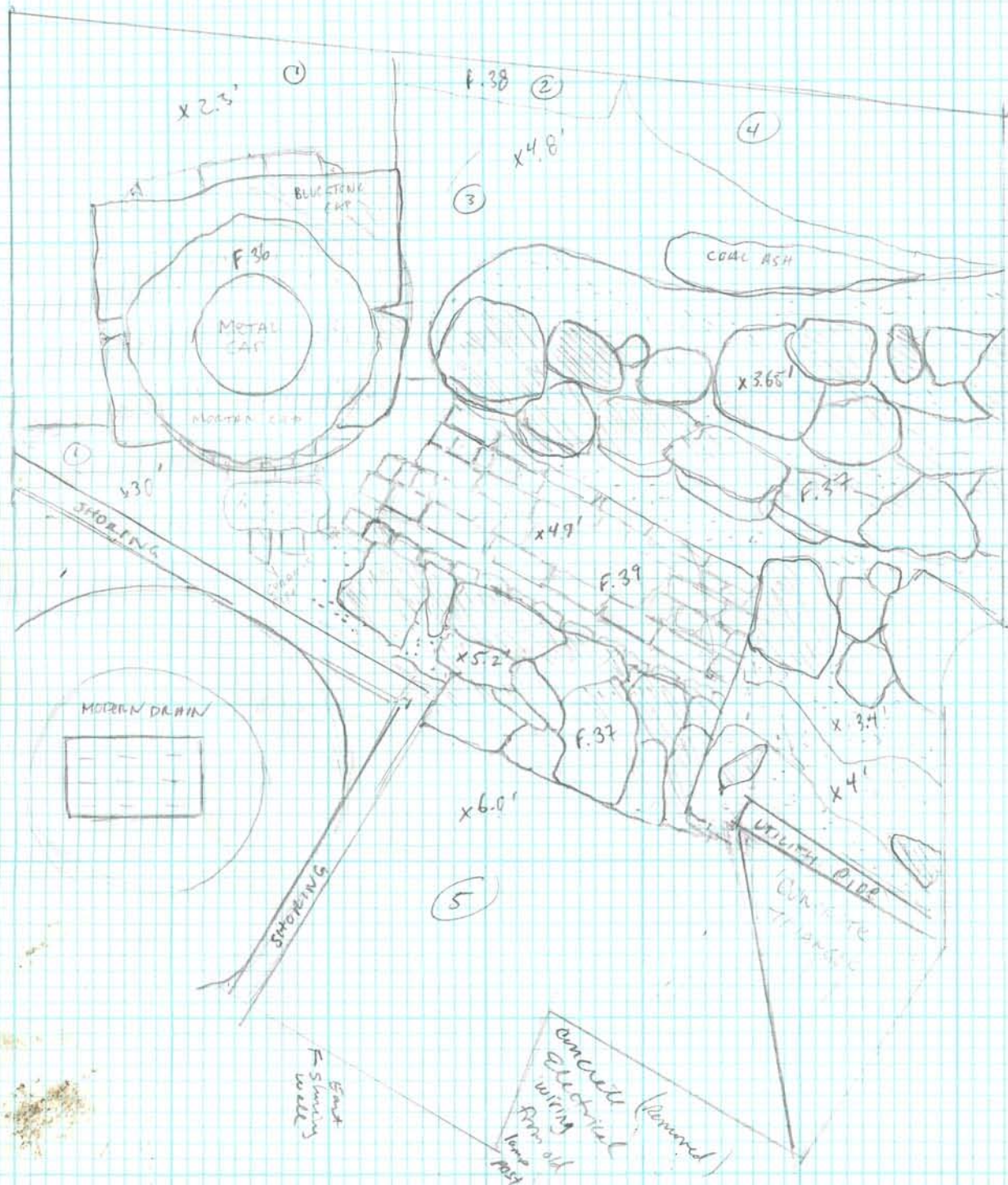
ADDITIONAL
STEPPED STONE
FEATURE TO BE
REMOVED



AREA OF REQUIRED REMOVAL

FEATURES 36-39 PLAN VIEW
POST F.37 PARTIAL REMOVAL

CITY OF PARK
MANHOLE 3 W. EXTENSION
4/21/11
GG



- ① 10 YR 3/4 SAND
- ② F.38 - 10 YR 4/3 SALT + RUBBLE/STONE
- ③ 10 YR 5/6 SA
- ④ 7.5 YR 4/3 SAND
- ⑤ 7.5 YR 5/6 SA

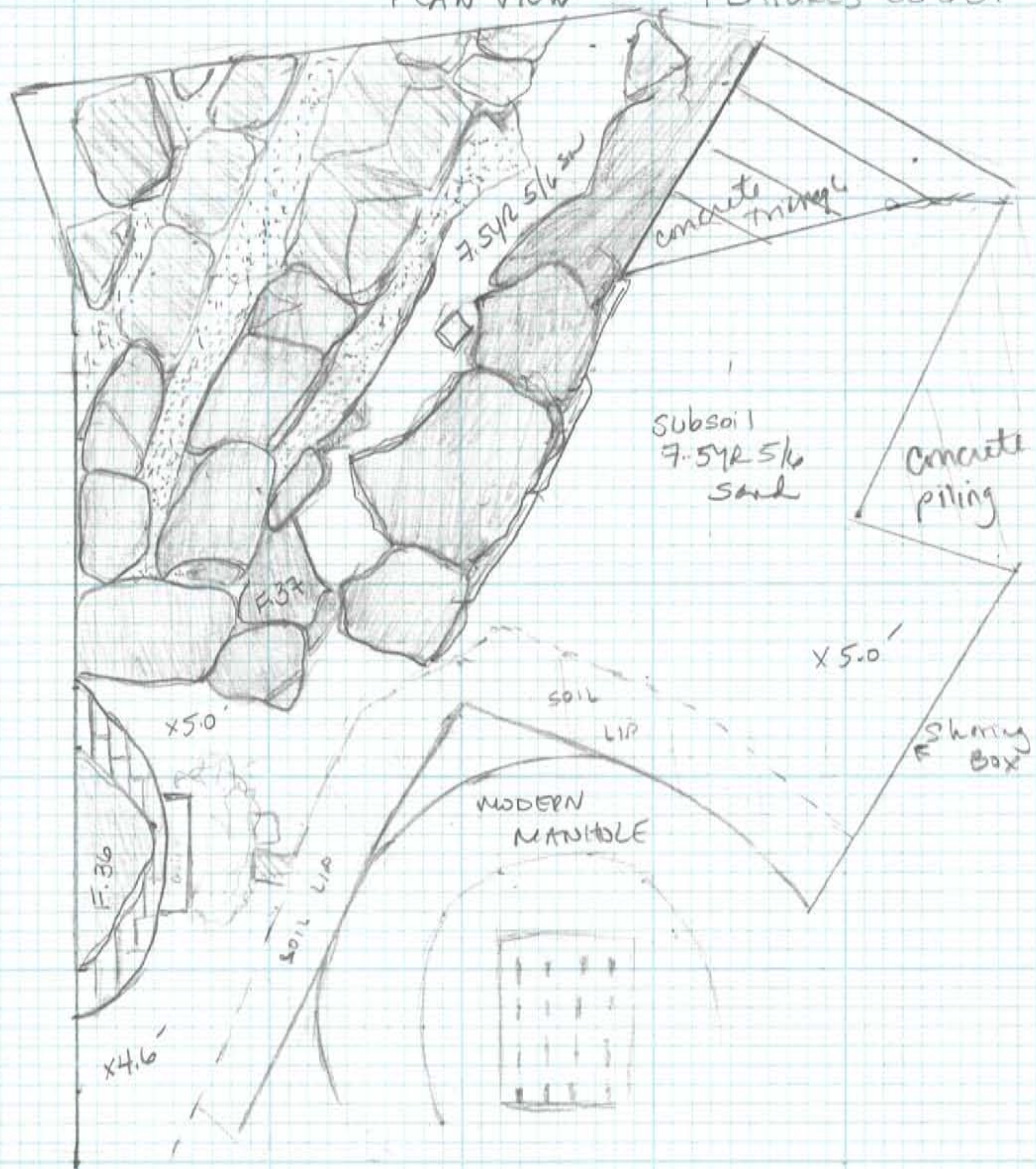
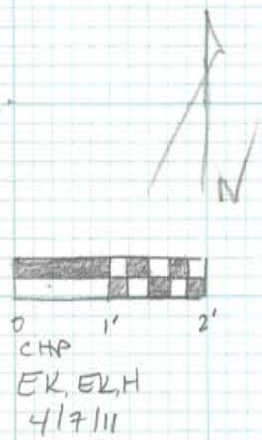





X - ALL DEPTHS TAKEN BELOW
GROUND SURFACE

MAN HOLE #3 EXTENSION

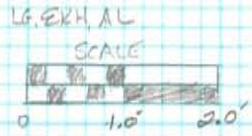
PLAN VIEW

FEATURES 36 & 37

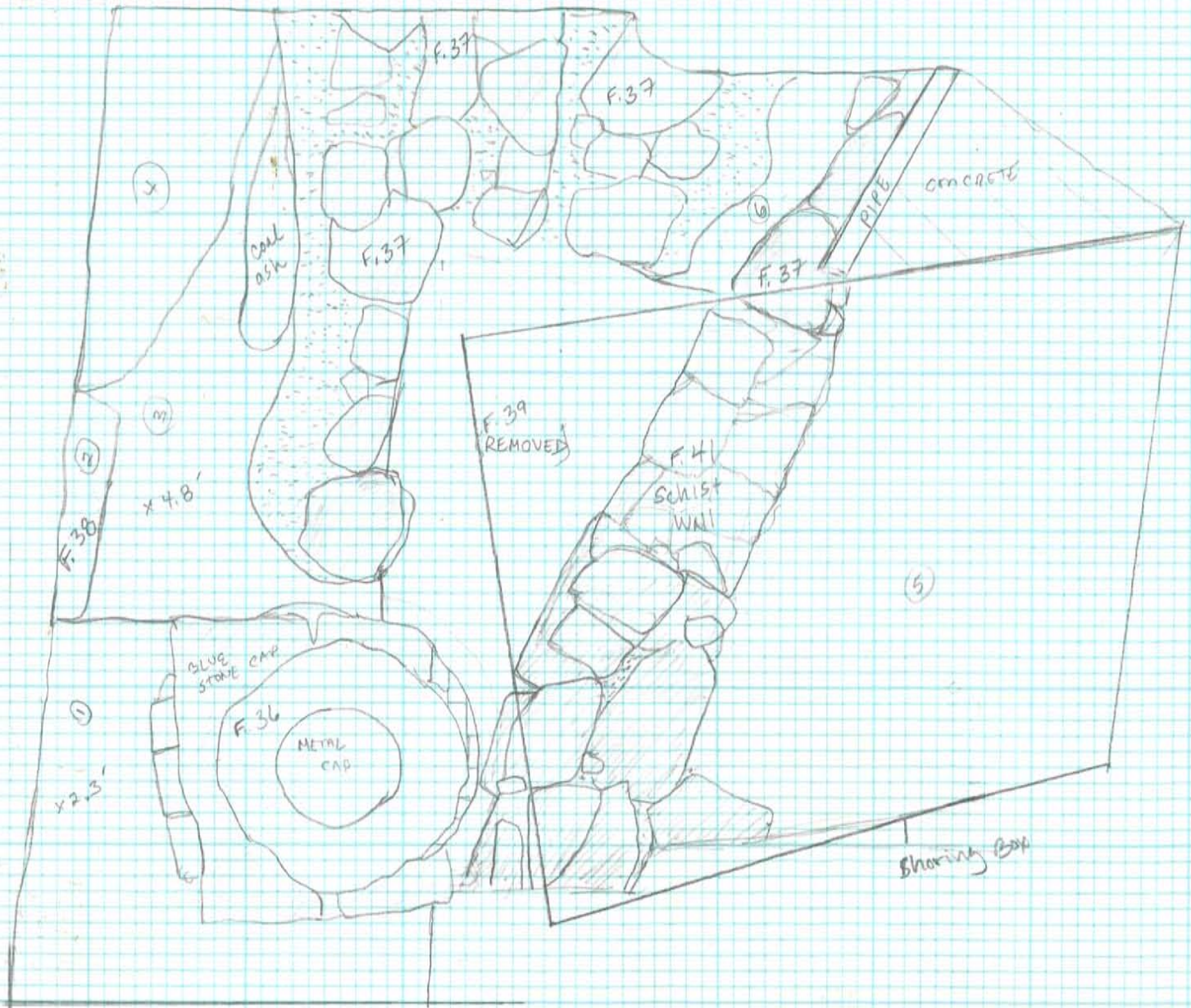


-  STRUCTURAL STONE
-  MORTAR
-  BRICK

CITY HALL PARK
MANHOLE #3
WEST EXTENSION
PLAN VIEW
REMOVED F. 39
EXPOSED F. 41
SCHIST FOUNDATION
WALL



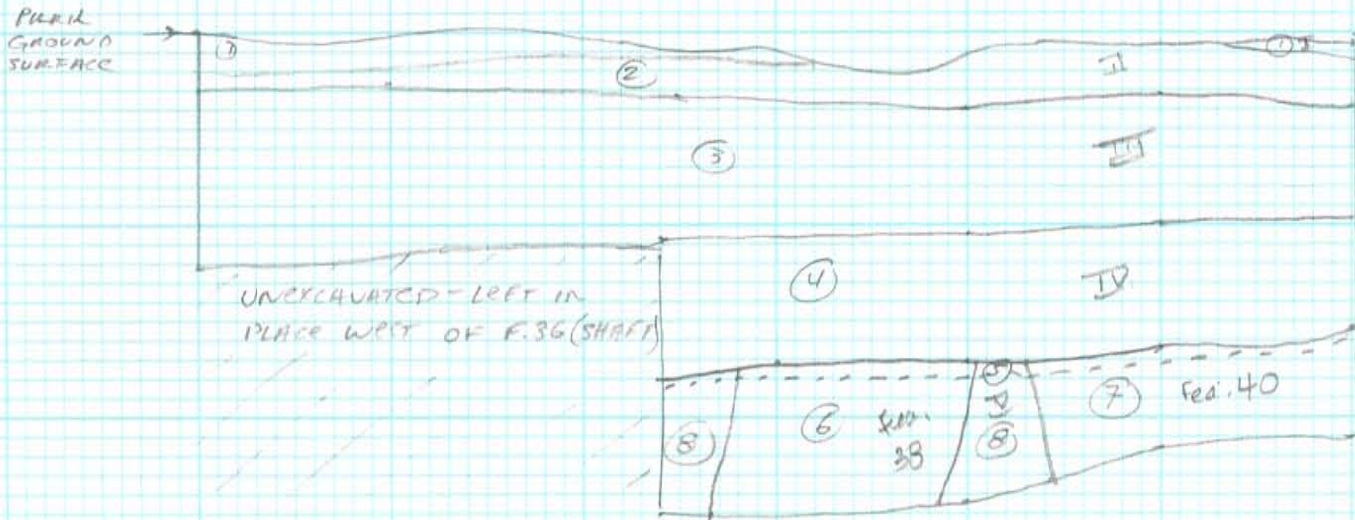
- ① 104R 3/4 sals
- ② F. 38 104R 4/3 rubble/stm sals
- ③ 104R 5/6 sand
- ④ 7.54R 4/3 sals
- ⑤ 7.54R 5/6 sand
- ⑥ 104R 4/4 sals



CITY HALL PARK
 MANHOLE 3 W. EXT.
 4/21/11
 LG



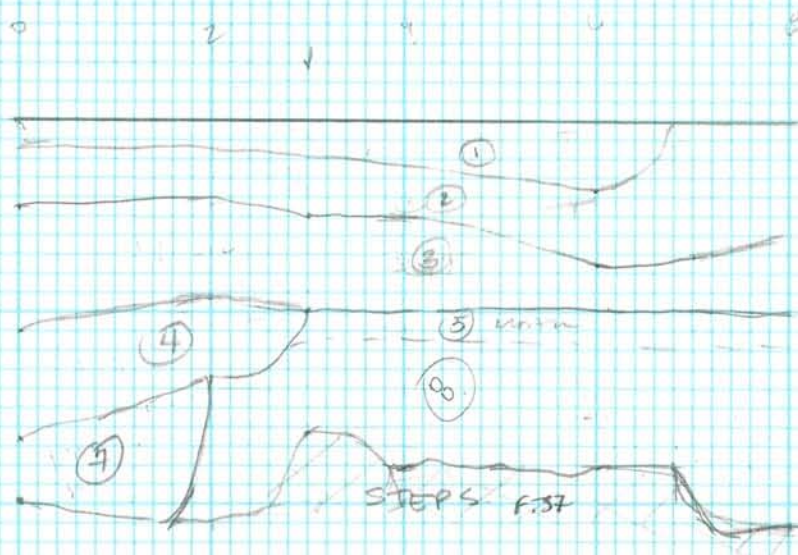
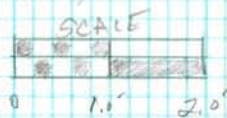
MANHOLE 3 W. EXTENSION / F 38 + 40
 WEST PROFILE
 (MATCHES w/ 4/20/11 N PROFILE)



- ① MULCH STRAT I
- ② PARK LANDSCAPING FILL - 10 YR 5/4 SILT STRAT II
- ③ AB HORIZON - 10 YR 3/2 SILT STRAT III
- ④ HISTORIC FILL - 10 YR 4/4 COARSE SAND STRAT IV
- ⑤ MOTTLED FILL / SHOE FILL FROM FEATURE ACTIVITY - 10 YR 4/5 SILT + 10 YR 4/4 SA + 10 YR 5/6 SA
- ⑥ F. 38 - 10 YR 4/5 SILT, RUBBLE
- ⑦ F. 40 - 10 YR 4/4 SAND + COARSE GRAVEL
- ⑧ HISTORIC FILL - 10 YR 5/6 SA STRAT V

CITY HALL PARK
MANHOLE # 3
WEST EXTENSION
NORTH WALL PROFILE
APRIL 20, 2011

EKT, LG



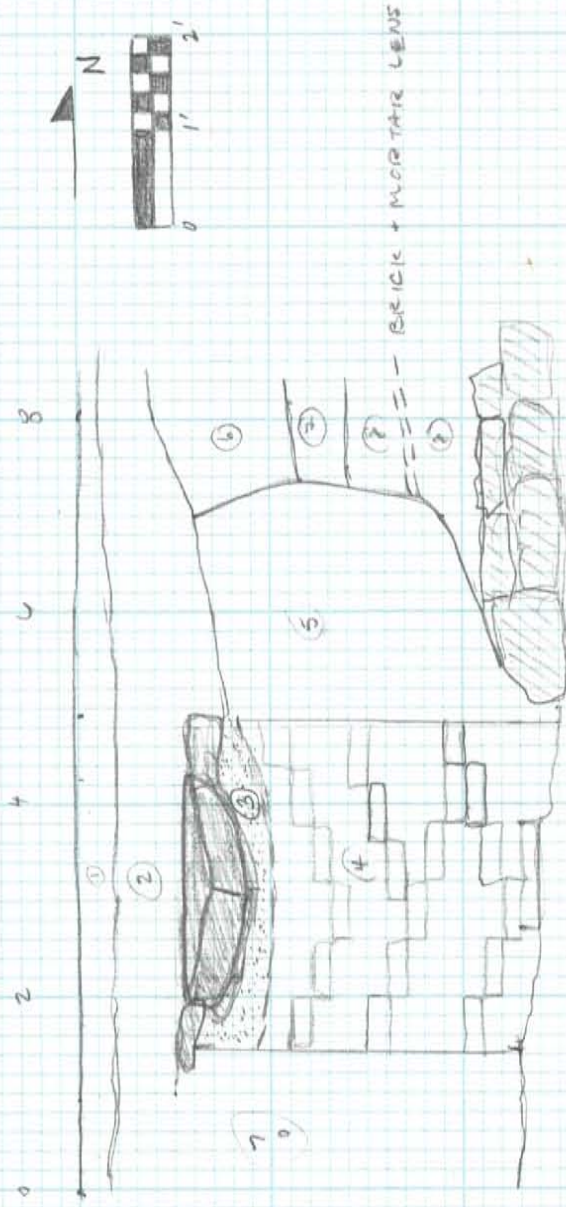
MATCHES w/ 4/21/11 W. PROFILE

- | | | |
|-------------|-----------------------|---------------------------|
| ① STRAT I | MULCH | 104.2 5/3 |
| ② STRAT II | Dark Landscape | 104.2 5/4 |
| ③ STRAT III | AL | 104.2 3/2 |
| ④ STRAT IV | HISTORIC FILL | 104.2 4/4 |
| ⑤ | MULTI LAYER FILL | |
| ⑥ | Feet 38 | |
| ⑦ | Feet 40 | 104.2 4/4 52 loose gravel |
| ⑧ | STRAT V HISTORIC FILL | 104.2 5/6 |

4/7/11

MANHOLE 3 EXT (WEST)

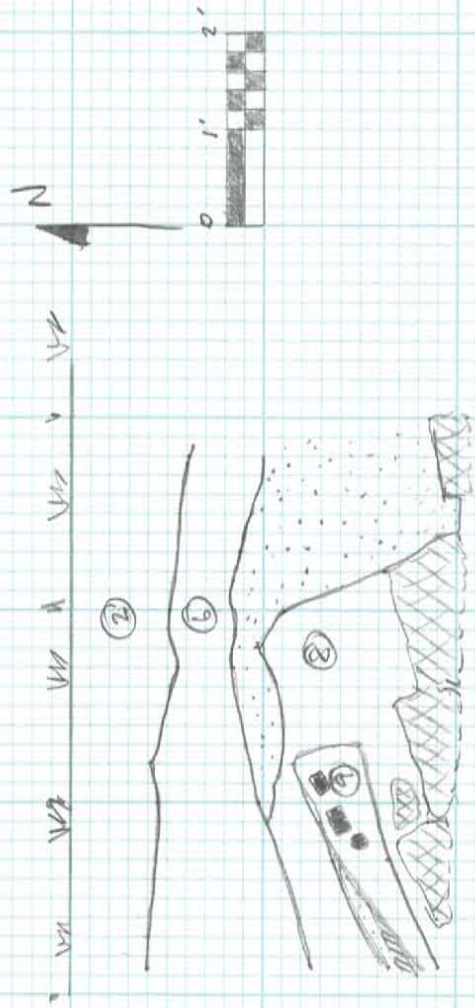
WEST WALL PROFILE - F.36 + F.38



- SHAFT CAPSTONE
- FILL
- LG STRUCTURAL STONE

- ① WOODCHIPS
- ② 10 YR 3/4 - heavy root inclusions, silo
- ③ 10 YR 3/2 w/ 10 YR 5/6 silo, light root inclusions
- ④ BRICK SHAFT (F.36)
- ⑤ FEATURE FILL - 10 YR 4/3 silt, rubble + roots throughout (F.38)
- ⑥ 10 YR 3/2 silt - light root inclusions - Remnant A Horizon
- ⑦ MORTAR
- ⑧ 10 YR 5/6 sand

4/7/11 MANHOLE 3 EXT (WEST)
NORTH WALL PROFILE



ground surface

BRICK

MORTAR + sand fill (10 yr old)

BLACK ASH/COAL (EN!)

STONE

10 yr 3/4 heavy root disturbance, silo

10 yr 3/2 silo, light root inclusion (Remnant A Hor)

10 yr 5/6 sand

10 yr 1/2 silo

MAN HOLE #3 EXTENSION
PLAN VIEW

ADDITIONAL
STEPPED STONE
FEATURE TO BE
REMOVED

7.5YR 5/6 SW

concrete
trimming

Subsoil
7.5YR 5/6
sand

concrete
piling

X 5.0'

Shoring
Box

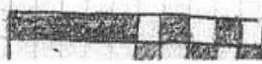
LINE OF
REQUIRED
REMOVAL FOR
EXCAVATION

MODERN
MANHOLE

X 5.0'

SOIL
LIP

SOIL
LIP



CITY HALL PARK
MANHOLE 3 - WEST EXTENSION
4/18/11 (MONDAY)

[FEET 36]

* SEE 4/21/11 MAP + PROFILE

- 19
- EXTENSION APPROX. 1' WEST TO SQUARE CHK EXCAVATION EXTENSION
BRICKS ADDITIONAL WEST EXTENSION TO REVEAL FULL EXTENT OF
F. 36 (WELL CHILDREN)

DESC: - PREVIOUSLY EXCAVATED: 3'x3' BRICK SHAFT FEATURE ^{2'} WEST OF
MODERN DRAINAGE GRATE. CONTINUES PAST 5' DEEP, CUTTING INTO
F. 37 (STONE STAIRS). 1' WIDE BRICK DRAIN PROTRUDING EAST
FROM F. 36 TOWARD MODERN DRAIN W/ CERAMIC PIPE BELOW BRICKS
@ APPROX. 4.5' BELOW GROUND SURFACE.

- STONE CAP ON TOP, TO BE REMOVED AFTER FURTHER EXTENSION

- F. 38 PROTRUDING NORTH - POSSIBLE BUILDERS TRENCH OR FULL
DEPOT

CAPS: - 2' HIGH
CIRCULAR RAISED METAL CAP ATOP STONE + MORTAR CAP - APPEARS PANEL?
CIRCULAR MORTAR + BRICK CAP: 3.2'x3.2'; METAL CAP: 1.5'x1.5';
SQUARE BLUESTONE LOWER CAP: 3.4'x3.4'

- MORTAR SECURING BLUESTONE CAP APPEARS TO BE 19th CENTURY; HAS
3 BRICKS MORTARED ONTO WEST SIDE; LOOKS EVEN WITH BOTTOM OF AB IN
WEST MANHOLE 3 PROFILE

PIPE: - 8" WIDE CERAMIC PIPE RUNNING EAST MORTARED TO SHAFT.

- REMOVED ON 4/21/11; RUNS ATOP/THROUGH FOUNDATION OF F. 37 STRUCTURE
- OPEN HOLE CONNECTION INTO SHAFT FROM
- FILLED W/ 10 YR 3/1 SILT, V. ORGANIC RICH SOIL

* POSSIBLY SAME PIPE RUNNING E-W TURN F. 28

ARTIFACTS:

SAMPLES:

CITY HALL PARK
MANHOLE 3 - WEST EXTENSION
4/12/11 LG

FEH. 37

* SEE 4/9/11 MAP

3+ ROWS OF BROWN STONE OR SANDSTONE BLOCKS RUNNING N-S, MORTARED
OVERLAPPING EDGES, ALIGNED ON SAME AXIS → STAIRS TO BRIDEWELL?

2 FILL LEVELS ATOP FEATURE: ABOVE & SURROUNDING F. 37 IS SANDY MORTAR
FILL W/ BRICK + MORTAR INCLUSIONS - DEMO FILL HORIZON

ATOP DEMO FILL IS TO 4R 3/2 SAND - REDEPOSITED FILL THAT BECAME
DESCRIPTION: AN A HORIZON (SEE F. 36 + 38 W. PROFILE)

- F. 36 SHAFT CUTS "STAIRS"
F. 37

4/21/11 - CUT BROWN STONE CONTINUES NORTH & SOUTH BEYOND SHAFT F. 36

- WEDGE OF 7-8 STONE BLOCKS REMOVED TO FIT CONSTRUCTION EQUIP.
REVEALED 4' ADDITIONAL DEPTH OF BROWN STONE AT EXTREME EAST EDGE
OF STONE FEATURE ^{RE-ENFORCED W/ SCATTERED BRICK}; ONLY 1 COARSE OF BROWN STONE PRESENT IN THE
REST / WEST PORTION OF F. 37 (SECOND PLAN VIEW DRAWN)

- UNDER THE SINGLE COARSE OF BROWN STONE LIES A BRICK + MORTAR
ARC, ABUTTING THE DEEPER, EAST STONE SECTION

- CUT, THINNER (APPROX 1' x 4') GRANITE OR SCHIST STONES LAY UNDER THE
4' DEEP SECTION OF F. 37 BROWN STONE. STR SHOWED ADDITIONAL + 2'
OF SCHIST W/ BRICK + MORTAR DEMO FILL WITHIN

4/28/11 - 6+1' OF SCHIST VISIBLE AS FOUNDATION, STILL CONTINUES DEEPER
INTERPRETATION: → DESIGNATED F. 41

- FOUNDATION WALL OF C.H.P. BRIDEWELL, DEMO'D, ~~BE~~ CREATING SLANTING STEP APPEARANCE

- SCHIST / GRANITE = FOUNDATION OF BUILDING, NEARLY IDENTICAL TO CITY HALL
FOUNDATION

- DEMO FILLING IN BASEMENT

ARTIFACTS: CREAMWARE, GLASS

SAMPLES: ~~1~~ BRICK SAMPLE TAKEN
1 MORTAR SAMPLE TAKEN

CITY HALL PARK
MANHOLE 3 WEST EXTENSION
4/18/11 2h

F. 38

- 10 YR 4/3 S&C, RUBBLE FILL DEPOSIT ADJACENT TO F. 36 SHAFT NORTH BOUNDARY
- EXTENDS 4' DEEP INTO 2 FILL DEPOSITS - SEE W. PROFILE
- POSSIBLE BUILDER'S TRENCH OR FILL DEPOSIT/OVERFLOW FROM SHAFT FEATURE FILLING

4/21/11: FURTHER EXTENSION OF MANHOLE 3 SHOWS F. 38 CONTINUES NW WITH AN EARLY FILL HORIZON SEPARATING IT FROM SHAFT F. 36

(SEE WEST MANHOLE 3 PROFILE)

- APPEARS TO BE 2.8' WIDE (N-S) BOX OR SQUARE PIT DUG INTO 10 YR 5/6 SA FILL HORIZON, LOCATED SOUTH OF F. 40
- EXTENDS DEEPER THAN 4.6'; BEGINS BELOW Ab HORIZON

ARTIFACTS:

SAMPLES:

CITY HALL PARK
MANHOLE 3 WEST EXTENSION
4/21/11
LG

FEM. 39

DESCRIPTION: - 4.6' x 1.6' VISIBLE SECTION OF ARCHED BRICK + MORTAR STRUCTURE
BELOW F.37 BROWN STONE SCATTER

- ABUTS F.37 4'-6" DEEP FOUNDATION WALL - MORTAR UNCLAR
- ALTERNATING ROWS OF 2 ^{COARSE} HORIZONTAL OR 1 COARSE VERTICAL BRICK
- CUT BY LATER F.36 SHAFT
- ARC, NOT A DOME
- INTERIOR: < 1' GAP, FOLLOWED BY MIXED RUBBLE FILL
 - CAMERA FLASH SHOWS BRICK EXTENDS 1.5' + WEST, 2' + NORTH

(SEE SECOND PLANVIEW)

- ORIGINALLY THOUGHT TO BE DRAIN, BUT NO BOTTOM FOUND

- INTERPRETATION:
- ①: ARCHED SECTION OF STRUCTURE TOSSED INTO DEMO FILL, ONLY AN ACCIDENT THAT IT APPEARS TO BE IN PLACE
 - ②: PART OF ARCHED OR VAULTED CEILING FOR BRIDGEMAN BASEMENT
→ BUT WHY A RUBBLE DEMO FILL BELOW?

ARTIFACTS: HISTORICS & FAUNAL (1 BAG EACH)

SAMPLES: 1 BRICK SAMPLE
1 MORTAR SAMPLE
1 BRICK + MORTAR SAMPLE TAKEN
(MORTARED BRICK)

CITY HALL PARK
MANHOLE 3 W. EXTENSION
4/21/11
LG

FEAT. 40

104R 4/4 SAND + GRAVEL

DESCRIPTION: - 3.4' + (~~5~~ N-5) WIDE PIT FEATURE WEST OF FEAT. 37 BROWNSTONE
SCATTER

- APPEARS BELOW AD HORIZON, CUTTING INTO 104R S/G SA ^{HISTORIC} _{HORIZON}
(SEE MANHOLE 3 WEST WALL PROFILE)
- FULL EXTENT UNCLEAR - PRESENT IN NORTH + WEST PROFILE, CANNOT
TRACK PLAN VIEW

S/E/11: REMAINS
UNEXCAVATED

INTERPRETATION: PIT FEATURE?

ARTIFACTS: —

SAMPLES —

Sketch (see MANHOLE 3 W. Ext. plan views)



CITY HALL PARK
MANHOLE 3 WEST EXTENSION
4/28/11
66

FEATURE 41

- DESCRIPTION:
- SCHIST FOUNDATION WALL, N-S, BELOW F. 37 BROWNSTONE
 - 2' THICK, 1.3' THICK AT TOP CORNER BEFORE STEPPING OUT TO 2'
 - ~~MORTAR~~ THIN SLABS, INCREASING SIZE w/ DEPTH from 1' x 1.5' - 2' x 2'
AVG. SIZES
 - SIMILAR APPEARANCE TO CITY HALL VISIBLE FOUNDATIONS
 - OUTSIDE EAST EDGE HAS (2.5' x 5/6 OLIVE SAND) FILL ^{BUILDER TRENCH} ABUTTING THE 2.5' x 5/6 SA SUBSOIL
 - EXCAVATION w/IN SHIELDING BOX FOR MICROTUNNELING PIT EXTENSION TAKEN DOWN ALONG EAST SIDE TO REVEAL DEPTH: 13.1' below ground
 - WEST SIDE ABUTS BRICK + MORTAR DEMO FILL, THEN R. 42 MIDDEN @ 9.2' - 12.2' below ground
 - STARTS 2' - 2.3' WIDE, WIDENS TO 5' W/ DEPTH
 - TERMINATES 13.1' BELOW GROUND SURFACE
 - 5' - 1.0' BUILDER TRENCH - 2.5' x 5/6 OLIVE SAND ALONG FULL EXTENT OF E. WALL EDGE

INTERPRETATION: - FOUNDATION WALL OF CH.P. BRIDGELL w/ BUILDER TRENCH

- INCREASING WIDTH MAY BE FOR STRUCTURAL SUPPORT OR TO ACT AS SPREAD FOOTER

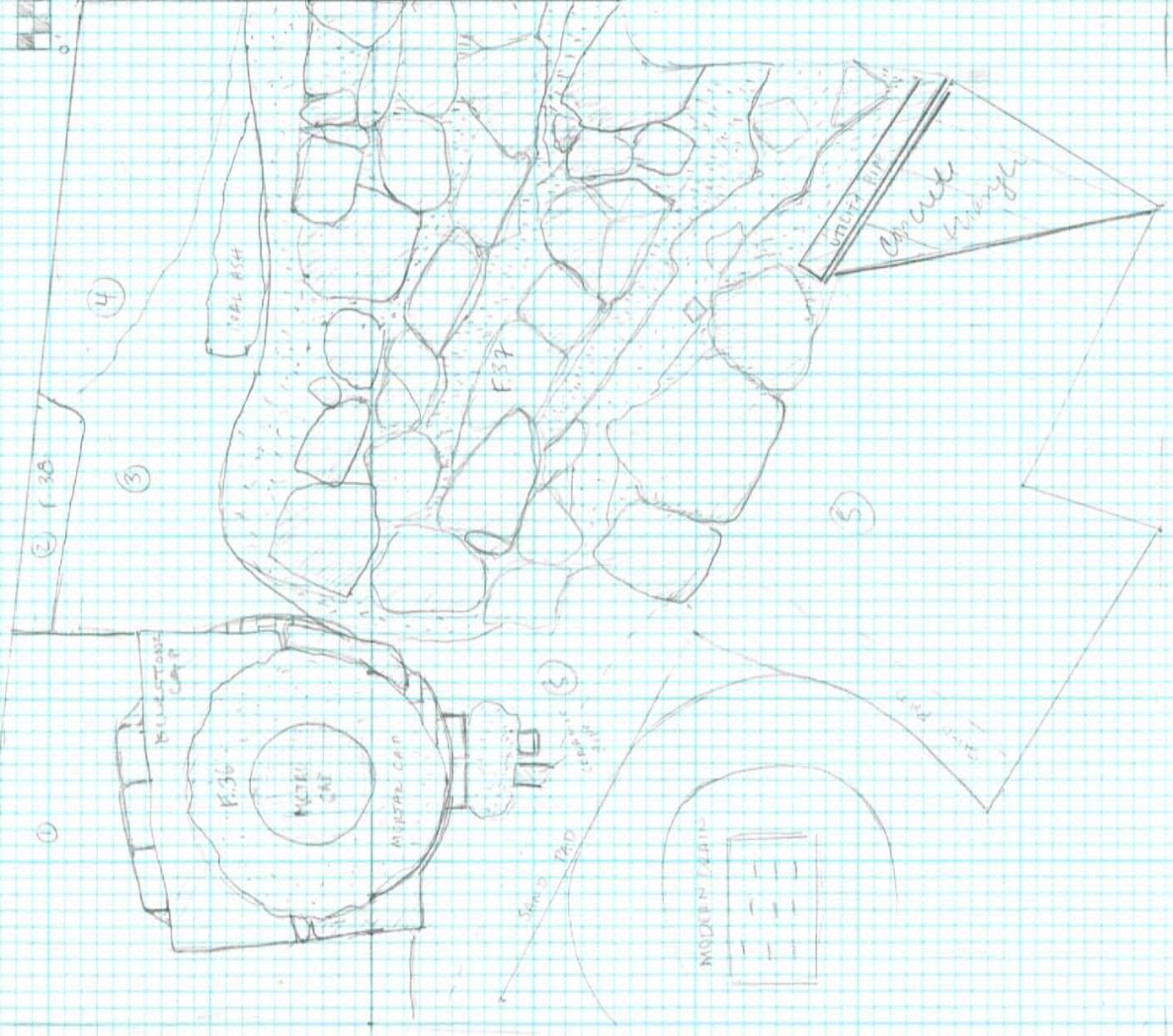
ARTIFACTS: —

SAMPLES: —

* see Feat. 41/42 IN PROGRESS
NOTES FOR PROFILE + PLANVIEW SKETCHES

FIG 36-38 EXTENDED PLAN VIEW

CHIT HALL 1400 ft
 N.W. HALL 3 W. EXTENSION
 4/20/11
 E.A.H.L.G.



- ① 10 yr 3/4 SA10
- ② F.38 - 10 yr 4/5 SA10 + FIRE BRICK STONE
- ③ 10 yr 5/6 SA
- ④ 7.5 yr 4/5 SA10
- ⑤ 7.5 yr 5/6 SA

* IN PROGRESS NOTES, SEE
FEATURE PAPERWORK FOR MORE

CHP
manhole 3 w. Extension

Fe. 41 in Progress notes

- 5/6/11 • DRY Laid SCHIST OBLONG AVG. SIZE 1'x1.5', UP TO 2'x2' @ bottom (increased size with depth)
• Schist Foundation wall has bell shape w/ increasing depth - starts 2-2.3' wide; becomes 5' wide, w/ additional 1' E + W - West side of schist wall ~~appears~~ continues behind shoring box wall. Becomes thicker in North than S/E
- Ends 13.1' below ground surface
- .5'-1' builder trench of 25% olive sand outside E wall edge
- 104K S/I Sack Lo sits around + within schist stones after NIPPON APPEARS

F. 42 - MIDDEN

INTERP: SPREAD PITCH SUPPORTING BRICK COFFIN ARCH, BRICK WALL FOUNDATION

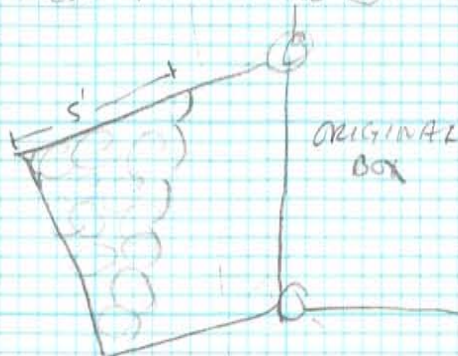
- encountered 3.5' below start of schist, continues to 6.5' - petering out at 6' to 104K 3/I sack Lo
- Fills entire NW corner of shoring behind schist wall - smaller + smaller portion visible as F. 41 wall becomes thicker and takes up more of visible area w/ shoring

ARTIFACTS - shellware, pearlware, creamware, slip trail, wine bottles, medicine bottles, window glass, 1 pin, shell buttons, pipes/stems, stoneware pipe, stoneware, oyster, clam, mussel shells, large + small bone

Sketches

SHORING BOX FLOOR PLAN view @ 13' below surface

NW



~~NORTH SKETCH~~

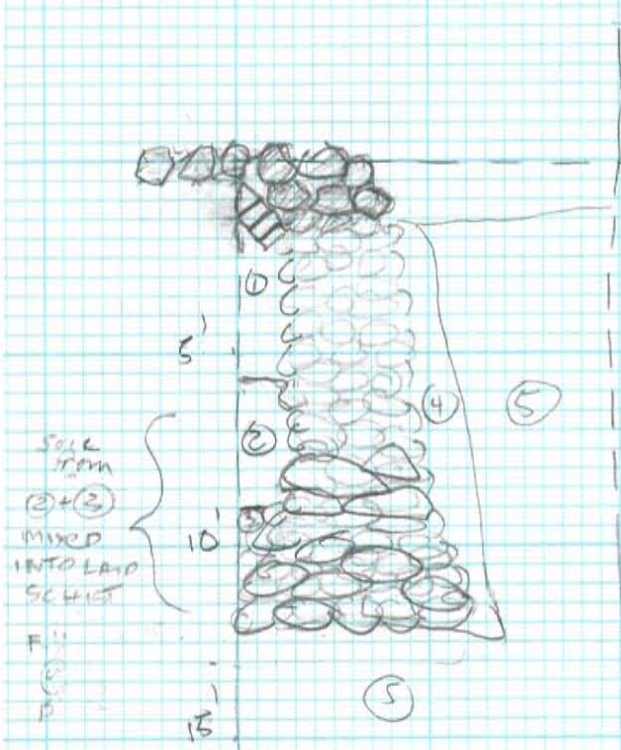
see reverse for
Profile sketches



INTERPRETIVE SHORING BOX PROFILE SKETCHES

(entire wall never visible b/c wood plank lagging installation)

N. BOX WALL SKETCH



--- = SHORING BOX WALLS

⊗ = BROWNSTONE

⊗ = SCHIST

⊞ = BRICK

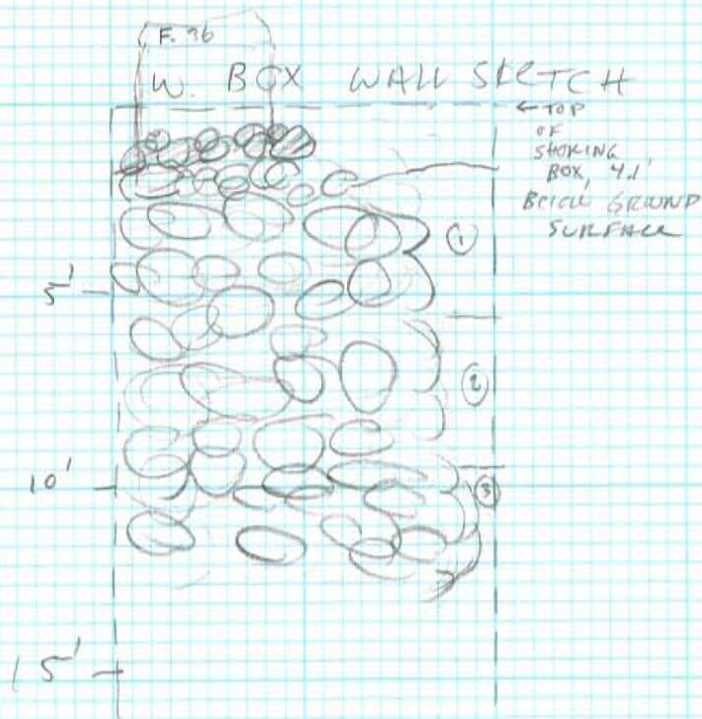
① 10 yr 3/2 demo debris - brick & mortar

② F. 42 (MIDDEW) 10 yr 3/1 SaLo

③ 10 yr 3/1 SaCl Lo - MIDDEW BASE

④ 2.5 y 5/6 Sa - BUILDER TRENCH

⑤ 2.5 yr 5/6 Sa - ^{NATURAL} SUBSOIL



CHP

MINI HOLE 3 W. EXT.

FEATURE 42

- DESCRIPTION - 104R 3/1 Silo, high artifact density Midden Found @ 3.5' below schist blocks (9.2' below ground surface), petering out to lower artifact density 104R 3/1 SaClCo @ 6' below schist (11.7' below ground) before terminating @ 6.5' below schist (12.2' below ground)
- abuts F.41 schist foundation, w/ 104R 3/1 SaClCo soil mixing in between dry laid schist blocks.
 - unable to see full profile due to clearing installation
 - fills entire NW corner of shoring box, NW of schist wall - as F.41 foundation becomes wide w/ depth, less and less midden visible, until schist wall becomes 5' thick @

late 18th / early 19th century

Interpretation - Midden w/ a BRIDGECIL, BELOW BRICK ARCH

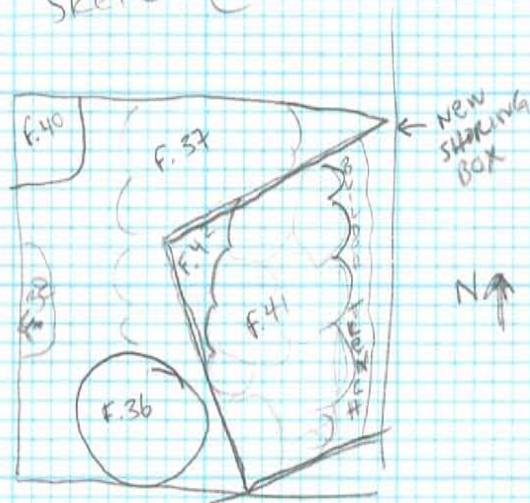
ARTIFACTS : pearlware, creamware, shell edge, listware, slipware, wine bottles, medicine bottles, window glass, 1 pin, pipes/stems, stoneware pipe joyster, clam, mussel shells, large + small bone

Fea. 41/42

* See IN PROGRESS
NOTES FOR
PROFILE DRAWINGS

PLAN view

Sketch @ 9.2' Below GROUND SURFACE



P qty gcw'cpf 'Dcuo gpv'Coordinate Points (Raw Data)

POINT/SHOT	HA	VA	SD	VD	RH
Base #1 (H2O Pipe)					
Back Site (Steps)	243° 11' 35"	89° 42' 25"	68.364		
Base #2 (from B1)	210° 34' 40"	90° 08' 10"	108.260		
B2 to B1	190° 25' 30"	89° 16' 25"			
B2 to B3 (Rm 6A)	21° 44' 40"	93° 54' 30"	60.048		
B3 to B2	27° 14' 20"	85° 14' 20"	60.066		
6a.1 south	243° 51' 45"	89° 19' 55"	31.072		
6a.4 south	251° 58' 20"	89° 27' 25"	29.648		
6a.5 south	262° 47' 15"	89° 20' 00"	29.538		
6a.6 south	273° 00' 55"	89° 38' 20"	30.600		
6a.7 south	280° 32' 45"	89° 32' 45"	32.030		
TU 3 SW	281° 53' 20"	90° 33' 45"	29.558		
TU 3 SE	275° 56' 00"	90° 33' 45"	28.308		
TU 3 NE	277° 36' 55"	90° 09' 35"	25.860		
TU 3 NW	283° 57' 55"	90° 23' 00"	27.072		
6a.7 center	300° 42' 20"	88° 57' 00"	17.720		
6a.6 center	288° 19' 10"	88° 26' 00"	15.112		
6a.6 center	266° 32' 00"	88° 14' 10"	13.284		
6a.7 center	242° 54' 35"	88° 14' 05"	13.746		
drain center	235° 07' 00"	89° 28' 55"	14.418		
6a.7 N (floor.extant)	2° 10' 45"	86° 23' 35"	12.082		
6a.6 N	10° 21' 45"	85° 37' 15"	7.526		
6a.5 N	45° 54' 40"	76° 39' 40"	3.302		
6a.4 N	143° 15' 25"	83° 52' 40"	4.798		
TU 1 SW	289° 47' 55"	91° 47'	12.514		
TU 1 SE	274° 32' 50"	92° 49' 05"	11.150		
TU 1 NE	283° 33' 55"	89° 41' 40"	6.290		
TU 1 NW	307° 22' 35"	90° 03' 35"	8.676		
TU 4 SW	264° 32' 50"	90° 54' 45"	9.566		
TU 4 SE	241° 32' 35"	91° 50' 00"	9.918		
TU 4 NE	233° 34' 30"	89° 18' 45"	7.040		
TU 4 NW	268° 04' 35"	88° 50' 20"	6.228		
TU 2 NW	228° 46' 15"	87° 52' 15"	9.578		
TU 2 NE	214° 31' 35"	87° 33' 55"	11.470		
TU 2 SW	242° 11' 05"	90° 15' 25"	16.530		5.4'
TU 2 SE	232° 40' 15"	89° 55' 00"	17.888		5.4'
6a.3 E	212° 29' 35"	87° 22' 40"	11.140		5.4'
6a.3 W	226° 47' 25"	87° 34' 20"	9.060		5.4'
From B2 to ?	49° 15' 15"	95° 29' 35"	48.180		5.4'
From B2 to Rm 8c	96° 22' 50"	94° 51' 45"	43.544		5.4'
Feature.1.E top	5° 19' 50"	90° 44' 25"	63.622		5.4'
Feature.1. E bottom	4° 50' 25"	93° 09' 10"	63.652		5.4'
Feature.1. C top	18° 03' 40"	91° 03' 45"	43.860		5.4'
Feature.1. W top	40° 43' 25"	91° 09' 05"	27.912		5.4'
Feature.1. W Bottom	39° 53' 05"	99° 58' 20"	27.936		5.4'

Manhole off Broadway					
to Flagpole (Backsite)	39° 53' 05"				5.4'
Manhole to Top Cobble Walk	85° 17' 10"	90° 16' 00"	136.170		5.4'
Room 8c	85°17'05"				5.4'
8c.1 South	102° 01' 35"	90° 01' 25"	34.390		5.4'
8c.3 South	196° 18' 50"	90° 50' 20"	31.058		5.4'
8c.4 South	203° 17' 45"	90° 39' 05"	29.890		5.4'
8c.5 South	211° 48' 15"	90° 39' 05"	25.130		5.4'
8c.6 North	123° 53' 40"	91° 13' 30"	9.510		5.4'
8c.5 North	133° 27' 35"	91° 22' 30"	14.036		5.4'
8c.4 North	137° 21' 05"	91° 02' 50"	18.610		5.4'
8c.3 North	142° 50' 50"	91° 02' 50"	23.328		5.4'
8c.1 North	139° 45' 35"	89° 39' 35"	27.584		5.4'
8c.1 Center	168° 25' 45"	90° 22' 40"	27.812		5.4'
8c.3 Center	169° 48' 35"	90° 32' 15"	23.752		5.4'
8c.4 Center	172° 29' 45"	91° 16' 00"	19.094		5.4'
8c.5 Center	184° 46' 35"	91° 29' 15"	15.426		5.4'
8c.2 Center	162° 33' 10"	90° 49' 35"	24.082		5.4'
8c.7 Center	168° 40' 15"	90° 04' 35"25.004		5.4'
TU 1/2 NE	182° 46' 25"	92° 36' 45"	14.090		5.4'
TU 1/2 SE	198° 52' 10"	91° 49' 40"	17.570		5.4'
TU 1/2 SW	206° 54' 00"	92° 29' 10"	15.654		5.4'
TU 1/2 NW	192° 08' 30"	93° 42' 05"	11.778		5.4'
TU 3 NE	199° 44' 10"	91° 46' 30"	10.692		5.4'
TU 3 SE	209° 26' 20"	91° 58' 00"	13.408		5.4'
TU 3 SW	220° 41' 15"	91° 57' 55"	12.052		5.4'
TU 3 NW	213° 44' 25"	92° 14' 20"	9.138		5.4'
TU 4 SE	171° 57' 50"	91° 43' 25"	27.810		5.4'
TU 4 SW	173° 26' 30"	92° 07' 00"	25.204		5.4'
TU 4 NW	165° 18' 15"	92° 25' 30"	24.210		5.4'
TU 4 NE	161° 49' 20"	90° 53' 25"	26.714		5.4'
TU 5 NW	154° 11' 05"	91° 32' 25"	21.546		5.4'
TU 5 NE	154° 11' 05"	91° 24' 35"	18.722		5.4'
Base #2 --> NE Corner City Hall	201.03.20	HI = 4.75			
Fea 6 SW	282.44.50	102.42.35	15.926	-3.504	
Fea 6 SE	284.42.20	102.42.35	15.526	-3.416	
Fea 6 NW	293.25.00	105.26.25	13.164	-3.504	
Fea 6 NE	287.73.10	105.14.55	12.818	-3.372	
Fea 6 C	288.47.20	104.06.25		-3.502	
Base #2 --> NE City Hall	201.03.20	HI = 4.8			
Center Cistern	292.42.25	91.23.55	25.708	-0.682	
Feature.4 NW	322.62.05	91.41.00	16.446	-0.484	
Feature.4 SW	303.08.25	91.49.35	21.684	-0.692	
Feature.4.Hearth NW	292.31.45	92.17.30	19.690	-0.788	
Feature.4.Hearth SW	289.45.35	91.21.40	21.676	-0.514	
Feature.4.Hearth SE	268.45.50	92.11.50	19.879	-0.762	

Feature.4.Hearth NE	269.04.15	91.52.25	17.708	-0.578	
Feature.4 SE	259.30.35	91.39.00	17.490	-0.504	
Feature.4 NE	251.58.25	93.54.15	8.948	-0.610	
Slab Center	282.35.50	95.14.50	18.482	-1.690	
Cistern lowest outside edge	279.26.15	95.14.50	23.414	-2.142	
Base #2 +o NE City Hall					
Feature.3 SW	250.07.10	91.38.30	23.508	-0.674	
Feature.3 SE	232.25.20	92.11.30	27.138	-1.038	
Feature.3 NW	245.18.35	92.54.50	17.522	-0.890	
Feature.3 NE	222.13.50	91.59.35	22.210	-0.772	
Base #2 +o NE City Hall	201.03.2	HI = 4.85			
Line Level Fea 8	194.20.25			-2.400	
Datum: Top of Marble				1.178	
Fea 8 Center	194.12.30	93.37.10	42.600	-2.690	
Fea.8.(also F.10.S) N	190.03.55	93.42.45	41.734	-2.698	
Fea.8. E	193.24.35	92.04.05	45.874	-1.656	
Fea.8. S	199.37.30	92.12.45	44.438	-1.716	
Fea.8. W	195.41.20	92.49.55	39.184	-1.932	
Fea 9 E	190.37.05	92.09.05	54.400	-2.042	
Fea 9 Curve	191.30.50	92.38.20	47.388	-2.182	
Fea 9 W	186.52.10	92.44.40	43.154	-2.066	
Fea 10 N	187.21.30	92.56.05	41.326	-2.116	
Fea 11 E	197.42.05	93.41.20	39.944	-2.570	
Fea 11 W	202.17.50	92.17.15	35.314	-1.416	
Pipe E	188.39.20	92.07.25	53.490	-1.982	
Pipe C	190.20.00	92.24.50	47.786	-1.802	
Pipe W	192.50.50	93.10.55	33.174	-1.838	
Manhole __ Broadway next to Elec. Boxes to Flagpole (BS)	39.53.05	HI = 4.95			
Fea 12 (Cistern) Northern Ext.	69.45.10	90.12.20	153.154	-0.058	7.5
Fea 16 Top N. Wall	63.24.10	89.57.45	151.956	0.100	7.5
Fea 16 Top S. Wall	63.53.10	89.53.10	153.316	0.216	7.5
Fea 16 Center Floor	63.25.20	90.11.35	152.086	-0.512	7.5
Fea 17 Center	60.09.15	89.33.35	148.096	1.183	7.5
Fea 14 (Sidewalk only)	88.04.20	89.28.15	108.666	1.009	

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Appendix F:

Additional Feature Images

FEATURE 1



Image 01 - Northeast Area Original City Hall retaining wall



Image 02 - Northeast Area Original City Hall retaining wall

FEATURE 2



Image 03 - Northeast Area Domed brick cistern



Image 04 - Northeast Area Domed brick cistern



Image 05 - Northeast Area Domed brick cistern



Image 06 - Northeast Area Domed brick cistern



Image 07 – Northeast Area Domed brick cistern



Image 08 - Northeast Area Domed brick cistern



Image 09 - Northeast Area Domed brick cistern



Image 10 – Northeast Area Domed brick cistern



Image 11 - Northeast Area Domed brick cistern



Image 12 - Northeast Area Domed brick cistern



Image 13 - Northeast Area Domed brick cistern

FEATURE 3



Image 14 - Northeast Area Pressed brick structure



Image 15 - Northeast Area Pressed brick structure



Image 16 - Northeast Area Pressed brick structure



Image 17 - Northeast Area Pressed brick structure



Image 18 - Northeast Area Pressed brick structure



Image 19 - Northeast Area Pressed brick structure



Image 20 - Northeast Area Pressed brick structure



Image 21 - Northeast Area Pressed brick structure



Image 22 - Northeast Area Pressed brick structure

FEATURE 4



Image 23 - Northeast Area Brick structure with outdoor kitchen



Image 24 - Northeast Area Brick structure with outdoor kitchen



Image 25 - Northeast Area Brick structure with outdoor kitchen



Image 26 - Northeast Area Brick structure with outdoor kitchen

FEATURE 5



Image 27 - Northeast Area Flagstone and brick drainage



Image 28 - Northeast Area Flagstone and brick drainage

FEATURE 6



Image 29 - Northeast Area Soil feature - wooden box



Image 30 - Northeast Area Soil feature - wooden box

FEATURE 7



Image 31 – Northeast Area 18th century brick circular feature under NE corner of Fea. 4



Image 32 - Northeast Area 18th century brick circular feature under NE corner of Fea. 4



Image 33 - Northeast Area 18th century brick circular feature under NE corner of Fea. 4



Image 34 - Northeast Area 18th century brick circular feature under NE corner of Fea. 4



Image 35 - Northeast Area 18th century brick circular feature under NE corner of Fea. 4



Image 36 - Northeast Area 18th century brick circular feature under NE corner of Fea. 4



Image 37 - Northeast Area 18th century brick circular feature under NE corner of Fea. 4



Image 38 - Northeast Area 18th century brick circular feature under NE corner of Fea. 4



Image 39 - Northeast Area 18th century brick circular feature under NE corner of Fea. 4

FEATURE 8



Image 40 – Northeast Area Stone well



Image 41 - Northeast Area Stone well



Image 42 - Northeast Area Stone well



Image 43 - Northeast Area Stone well



Image 44- Northeast Area Stone well



Image 45 - Northeast Area Stone well



Image 46 – Northeast Area Stone well



Image 47 - Northeast Area Stone well

FEATURE 9



Image 48 – Northeast Area Flagstone and brick drainage



Image 49 – Northeast Area Flagstone and brick drainage



Image 50 – Northeast Area Flagstone and brick drainage



Image 51 – Northeast Area Flagstone and brick drainage

FEATURE 10



Image 52 – Northeast Area Flagstone and brick drainage



Image 53 - Northeast Area Flagstone and brick drainage



Image 54 – Northeast Area Flagstone and brick drainage



Image 55 - Northeast Area Flagstone and brick drainage



Image 56 – Northeast Area Flagstone and brick drainage



Image 57 - Northeast Area Flagstone and brick drainage

FEATURE 11



Image 58 - Northeast Area Flagstone and brick drainage



Image 59– Northeast Area Flagstone and brick drainage



Image 60 – Northeast Area Flagstone and brick drainage



Image 61 – Northeast Area Flagstone and brick drainage



Image 62 – Northeast Area Flagstone and brick drainage



Image 63 – Northeast Area Flagstone and brick drainage

FEATURE 12



Image 64 – West Path Brick domed cistern 18' diameter



Image 65 – West Path Brick domed cistern 18' diameter



Image 66 - West Path Brick domed cistern 18' diameter

FEATURE 13

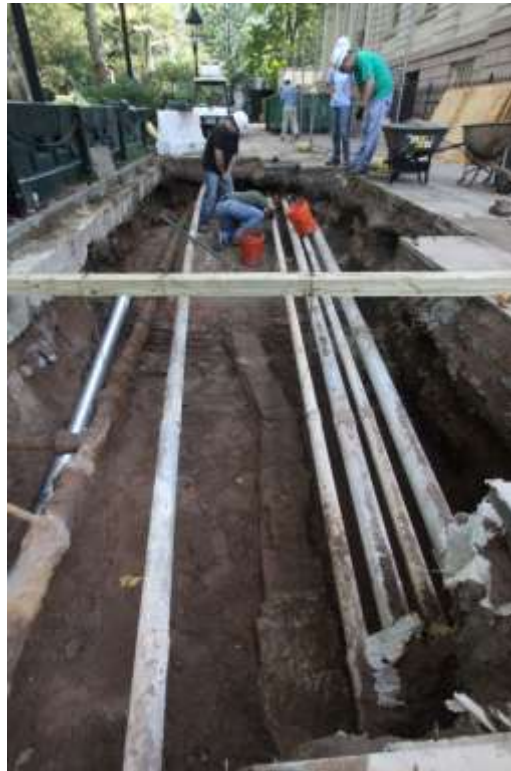


Image 67 - West Path Brick and stone drain south of Fea.12

FEATURE 14



Image 68 - Murray Street Path Pit feature

FEATURE 15



Image 69 - Northwest Original City Hall retaining wall



Image 70 - Northwest Original City Hall retaining wall



Image 71 - Northwest Original City Hall retaining wall

FEATURE 16



Image 72 - West Path Brick and stone drain north of Fea. 12

FEATURE 17



Image 73 - West Path Brick shaft feature north of Fea. 16

FEATURE 18



Image 74 - West Path Large stone shaft feature east of/adjacent to Fea. 17 capped with mortar and bluestone

FEATURE 19



Image 75 - West Path Slab-capped drain north of Fea. 18; runs north-south connecting Fea. 19 and Fea. 20

FEATURE 20



Image 76 - West Path Brick domed cistern; north end of west path; at north end of Fea. 19



Image 77 - West Path Brick domed cistern; north end of west path; at north end of Fea. 19

FEATURE 21



Image 78 - Northeast Breezeway Small square brick feature; east end of areaway

FEATURE 22



Image 79 - Northeast Breezeway Stone door frame/sill beneath west window of Room 8C



Image 80 - Northeast Breezeway Stone door frame/sill beneath west window of Room 8C



Image 81 - Northeast Breezeway Stone door frame/sill beneath west window of Room 8C



Image 82 - Northeast Breezeway Stone door frame/sill beneath west window of Room 8C

FEATURE 23



Image 83 - Northeast Breezeway Brick wall; lower than retaining wall

FEATURE 24



Image 84 - Northeast Breezeway Small square brick feature; west end of areaway near Fea. 2

FEATURE 25



Image 85 - Northeast Breezeway Stone wall beneath Fea. 22

FEATURE 26



Image 86 - Northeast Breezeway Stone wall beneath retaining wall (Fea. 1); just north of Fea. 23



Image 87 - Northeast Breezeway Stone wall beneath retaining wall (Fea. 1); just north of Fea. 23

FEATURE 27



Image 88 - West Path/Manhole 3 Circular deposit north of Fea. 28

FEATURE 28



Image 89 - West Path/Manhole 3 Midden in southwest portion of Manhole 3



Image 90 - West Path/Manhole 3 Midden in southwest portion of Manhole 3



Image 91 - West Path/Manhole 3 Midden in southwest portion of Manhole 3



Image 91 - West Path/Manhole 3 Midden in southwest portion of Manhole 3



Image 92 - West Path/Manhole 3 Midden in southwest portion of Manhole 3



Image 93 - West Path/Manhole 3 Midden in southwest portion of Manhole 3



Image 94 - West Path/Manhole 3 Midden in southwest portion of Manhole 3

FEATURE 29



Image 95 - West Path/Manhole 3 Midden in southeast portion of Manhole 3

FEATURE 30



Image 96 - Tweed Manhole Stone circular shaft feature

FEATURE 31



Image 97 - Tweed Manhole Stone drain extending NE of Fea. 30

FEATURE 32



Image 98 - Northeast Area Small midden outside NE corner of Fea. 3

FEATURE 33



Image 97 - Northeast Area 18th century stone cistern with midden deposit beneath SE corner of Fea. 3



Image 98 - Northeast Area 18th century stone cistern with midden deposit beneath SE corner of Fea. 3

FEATURE 34



Image 99 - Northeast Area Wooden circle "barrel" within and at edge of Fea. 35

FEATURE 35



Image 100 - Northeast Area Midden abutting Fea. 1 and alongside and below Fea. 3



Image 101 - Northeast Area Midden abutting Fea. 1 and alongside and below Fea. 3

FEATURE 36



Image 102 - East Breezeway Small square brick feature

FEATURE 36B



Image 103 - West Field Stone capped brick shaft feature



Image 104 - West Field Stone capped brick shaft feature



Image 105 - West Field Stone capped brick shaft feature



Image 106 - West Field Stone capped brick shaft feature



Image 107 - West Field Stone capped brick shaft feature

FEATURE 37



Image 108 - West Field Brownstone tumble; stepped



Image 109 - West Field Brownstone tumble; stepped



Image 110 - West Field Brownstone tumble; stepped

FEATURE 38



Image 111 - West Field Rubble filled square soil feature N of Fea. 36

FEATURE 39



Image 112 - West Field Brick arch beneath Fea. 37



Image 113 - West Field Brick arch beneath Fea. 37



Image 114 - West Field Brick arch beneath Fea. 37

FEATURE 40



Image 115 - West Field Pit feature in NW corner of Manhole 3 extension

FEATURE 41



Image 116 - West Field Schist foundation wall beneath Fea. 37 and Fea. 39



Image 117 - West Field Schist foundation wall beneath Fea. 37 and Fea. 39

FEATURE 42



Image 118 - West Field Midden within Fea. 41



Image 119 - West Field Midden within Fea. 41

FEATURE 43



Image 120 - Murray Street Path Pit feature Cobblestone walkway, SW of City Hall

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Appendix G:

Site Photo Documentation

This Appendix contains the photo log of images taken throughout the excavation project. The image files can be found on the Project Disc.

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100118_0001.JPG	City Hall cupola	
City_Hall_20100118_0002.JPG	City Hall NW path pre-construction	W
City_Hall_20100118_0003.JPG	City Hall NE path (proposed Vault Area) pre-construction	NE
City_Hall_20100118_0004.JPG	View of Tweed Courthouse and police booth from City Hall pre-construction	N
City_Hall_20100118_0005.JPG	View of Tweed Courthouse and grassy area from City Hall pre-construction	NW
City_Hall_20100118_0006.JPG	View of Tweed Courthouse and grassy area from City Hall pre-construction	NE
City_Hall_20100118_0007.JPG	City Hall NE path, looking toward East path pre-construction	E
City_Hall_20100118_0008.JPG	View of Broadway from City Hall	W
City_Hall_20100118_0009.JPG	View of Broadway from City Hall	W
City_Hall_20100118_0010.JPG	View of Broadway and Bridewell marker from City Hall	NW
City_Hall_20100118_0011.JPG	City Hall NE path	W
City_Hall_20100118_0012.JPG	City Hall North face and NE Path	SW
City_Hall_20100331_0013.JPG	View of Broadway from City Hall	W
City_Hall_20100331_0014.JPG	City Hall West Path grounds, Soft Dig utility test probe	
City_Hall_20100331_0015.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100331_0016.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100331_0017.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100331_0018.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100331_0019.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100331_0020.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100331_0021.JPG	City Hall west grounds Soft Dig utility test probe, underground utilities	
City_Hall_20100331_0022.JPG	Soil Profile City Hall west grounds Soft Dig utility test probe	
City_Hall_20100331_0023.JPG	Soil Profile City Hall west grounds Soft Dig utility test probe	
City_Hall_20100401_0024.JPG	View of Tweed Courthouse and Murray Street Path	N
City_Hall_20100401_0025.JPG	Tweed Courthouse and Murray Street Path	N
City_Hall_20100401_0026.JPG	City Hall, NW facade	SW
City_Hall_20100401_0027.JPG	Tweed Courthouse, Southwest corner	N
City_Hall_20100401_0028.jpg	Tweed Courthouse, South face	N
City_Hall_20100401_0029.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100401_0030.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100401_0031.JPG	City Hall west grounds Soft Dig utility test probe	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100401_0032.JPG	City Hall west grounds Soft Dig utility test probe	
City_Hall_20100401_0033.JPG	City Hall west grounds Soft Dig utility test probe, underground utilities	
City_Hall_20100401_0034.JPG	City Hall west grounds Soft Dig utility test probe, underground utilities	
City_Hall_20100401_0035.JPG	City Hall west grounds Soft Dig utility test probe, underground utilities	
City_Hall_20100401_0036.JPG	City Hall west grounds Soft Dig utility test probe, stratigraphy	
City_Hall_20100401_0037.JPG	City Hall West grounds Soft Dig utility test probe stratigraphy	
City_Hall_20100401_0038.JPG	City Hall West grounds, Soft Dig utility test probe mark out	
City_Hall_20100401_0039.JPG	City Hall West grounds Soft Dig utility test probe	
City_Hall_20100401_0040.JPG	City Hall West grounds Soft Dig utility test probe	
City_Hall_20100401_0041.JPG	City Hall West grounds Soft Dig utility test probe	
City_Hall_20100401_0042.JPG	City Hall West grounds Soft Dig utility test probe	
City_Hall_20100401_0043.JPG	City Hall West grounds Soft Dig utility test probe, stone samples	
City_Hall_20100401_0044.JPG	City Hall West grounds Soft Dig utility test probe, stone sample	
City_Hall_20100401_0045.JPG	City Hall West grounds Soft Dig utility test probe, stone sample	
City_Hall_20100401_0046.JPG	City Hall West grounds Soft Dig utility test probe	
City_Hall_20100401_0047.JPG	City Hall West grounds Soft Dig utility test probe	
City_Hall_20100528_0048.JPG	NE Vault Area, TU1 beginning excavations	SW
City_Hall_20100528_0049.JPG	NE Vault Area, TU1 beginning excavations	SE
City_Hall_20100528_0050.JPG	NE Vault Area, TU1 opening plan view	N
City_Hall_20100528_0051.JPG	NE Vault Area, TU1 beginning excavations	W
City_Hall_20100528_0052.JPG	NE Vault Area, TU1, French drain stone cover	N
City_Hall_20100528_0053.JPG	NE Vault Area, TU1, French drain stone cover	W
City_Hall_20100601_0054.JPG	NE Vault Area, TU2, opening Excavation	SW
City_Hall_20100601_0055.JPG	NE Vault Area, TU2, Feature 1 plan view	W
City_Hall_20100601_0056.JPG	NE Vault Area, TU2, Feature 1 plan view	S
City_Hall_20100601_0057.JPG	NE Vault Area, TU2, Feature 1 plan view	S
City_Hall_20100601_0058.JPG	NE Vault Area, TU3, excavation	SW
City_Hall_20100601_0059.JPG	NE Vault Area, TU3, Feature 1 plan view	S
City_Hall_20100601_0060.JPG	NE Vault Area, TU3, bone excavation	
City_Hall_20100601_0061.JPG	NE Vault Area, TU3, removal of bone	
City_Hall_20100601_0062.JPG	NE Vault Area, TU3, excavation	
City_Hall_20100601_0063.JPG	NE Vault Area, TU3, in progress plan view,	W

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100601_0064.JPG	NE Vault Area, TU3, in progress plan view, artifact deposit	W
City_Hall_20100601_0065.JPG	NE Vault Area, TU3, in progress plan view, artifact deposit	W
City_Hall_20100601_0066.JPG	NE Vault Area, TU3, soil stain	W
City_Hall_20100602_0067.JPG	NE Vault Area, TU 4 and TU 3	E
City_Hall_20100602_0068.JPG	NE Vault Area, TU 4 Excavation	S
City_Hall_20100602_0069.JPG	NE Vault Area, TU 3 excavation	S
City_Hall_20100602_0070.JPG	NE Vault Area, TU2, TU4, and TU 3 excavations	SW
City_Hall_20100602_0071.JPG	NE Vault Area, TU4, Feature 1 plan view	S
City_Hall_20100602_0072.JPG	NE Vault Area, TU4, Feature 1, Feature 1 plan view	S
City_Hall_20100602_0073.JPG	NE Vault Area, TU3/8, South Profile	S
City_Hall_20100602_0074.JPG	NE Vault Area, TU3/8, Feature 1, South Profile	S
City_Hall_20100602_0075.JPG	NE Vault Area, TU3/8, Feature 1, South Profile	S
City_Hall_20100602_0076.JPG	NE Vault Area, TU3/8, South and West Profile	SW
City_Hall_20100602_0077.JPG	NE Vault Area, TU3/8, Feature 1, drawing south profile	SW
City_Hall_20100602_0078.JPG	NE Vault Area, TU3/8, Feature 1, drawing south profile	SW
City_Hall_20100602_0079.JPG	NE Vault Area, screening	E
City_Hall_20100602_0080.JPG	NE Vault Area, TU3/8, Feature 1, drawing south profile	S
City_Hall_20100602_0081.JPG	NE Vault Area, TU3/8, Feature 1, South Profile	S
City_Hall_20100602_0082.JPG	NE Vault Area, TU3/8, South and West Profile	SW
City_Hall_20100602_0083.JPG	NE Vault Area, TU3/8, South and East Profile	SE
City_Hall_20100602_0084.JPG	NE Vault Area, TU2, Feature 1, excavation	SE
City_Hall_20100602_0085.JPG	NE Vault Area, TU2, Feature 1, in progress plan view	S
City_Hall_20100602_0086.JPG	NE Vault Area, TU2, Feature 1, in progress plan view	S
City_Hall_20100602_0087.JPG	NE Vault Area, TU2, Feature 1, excavation	S
City_Hall_20100602_0088.JPG	NE Vault Area, TU2, Feature 1, in progress plan view	S
City_Hall_20100602_0089.JPG	NE Vault Area, TU3/8, Feature 1, South Profile	S
City_Hall_20100602_0090.JPG	NE Vault Area, TU3/8, South and West Profile	SW
City_Hall_20100602_0091.JPG	NE Vault Area, TU3/8, West and North Profile	NW
City_Hall_20100602_0092.JPG	NE Vault Area, TU2, Feature 1, in progress plan view	S
City_Hall_20100602_0093.JPG	NE Vault Area, TU3/8, West Profile	W
City_Hall_20100602_0094.JPG	NE Vault Area, TU3/8, Feature 1 south	S

PHOTO	DESCRIPTION	DIRECTION
	profile	
City_Hall_20100602_0095.JPG	NE Vault Area, TU2, South Profile	S
City_Hall_20100602_0096.JPG	NE Vault Area, TU3/8, Feature 1, South Profile	S
City_Hall_20100602_0097.JPG	NE Vault Area, TU3/8, West Profile	W
City_Hall_20100602_0098.JPG	NE Vault Area, TU3/8, North Profile	NW
City_Hall_20100602_0099.JPG	NE Vault Area, TU3/8, West Profile	W
City_Hall_20100602_0100.JPG	NE Vault Area, TU3/8, East Profile	E
City_Hall_20100602_0101.JPG	NE Vault Area, TU3/8, South and East Profile	SE
City_Hall_20100602_0102.JPG	NE Vault Area, TU3/8, Feature 1, South Profile	S
City_Hall_20100602_0103.JPG	NE Vault Area, TU2, Feature 1, South Profile, drawing	SE
City_Hall_20100602_0104.JPG	NE Vault Area, TU2, Feature 1, South Profile, drawing	SE
City_Hall_20100602_0105.JPG	NE Vault Area, TU2, Feature 1, South Profile, drawing	S
City_Hall_20100603_0106.JPG	NE Vault Area, TU2, Feature 1, South Profile	S
City_Hall_20100603_0107.JPG	NE Vault Area, TU4, in progress plan view	S
City_Hall_20100603_0108.JPG	NE Vault Area, TU4, in progress plan view	S
City_Hall_20100603_0109.JPG	NE Vault Area, TU4, in progress plan view	S
City_Hall_20100603_0110.JPG	NE Vault Area, TU3/8, West Profile	W
City_Hall_20100603_0111.JPG	NE Vault Area, TU4, in progress plan view	SE
City_Hall_20100603_0112.JPG	NE Vault Area, TU4, in progress plan view	W
City_Hall_20100603_0113.JPG	NE Vault Area, TU4, in progress plan view	S
City_Hall_20100603_0114.JPG	NE Vault Area, TU4, in progress plan view	W
City_Hall_20100603_0115.JPG	NE Vault Area, TU3/8 South Profile	S
City_Hall_20100603_0116.JPG	NE Vault Area, TU3/8 South Profile	S
City_Hall_20100603_0117.JPG	NE Vault Area, excavation	W
City_Hall_20100603_0118.JPG	NE Vault Area, TU2, Feature 1, South Profile and plan view	S
City_Hall_20100603_0119.JPG	NE Vault Area, TU2, Feature 1, test pit	S
City_Hall_20100603_0120.JPG	NE Vault Area, TU2, Feature 1, South Profile and plan view	SW
City_Hall_20100603_0121.JPG	NE Vault Area, TU4	
City_Hall_20100603_0122.JPG	NE Vault Area, TU4	
City_Hall_20100603_0123.JPG	NE Vault Area, TU4, South Profile	
City_Hall_20100604_0124.JPG	NE Vault Area, TU3/8, South Profile	S
City_Hall_20100604_0125.JPG	NE Vault Area, excavation, overall plan view	SW
City_Hall_20100604_0126.JPG	NE Vault Area, TU4, South Profile	
City_Hall_20100604_0127.JPG	NE Vault Area, TU2, Feature 1, South Profile	S
City_Hall_20100604_0128.JPG	NE Vault Area excavation	S
City_Hall_20100604_0129.JPG	NE Vault Area TU5	
City_Hall_20100604_0130.JPG	NE Vault Area TU5	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100604_0131.JPG	NE Vault Area TU6	
City_Hall_20100604_0132.JPG	NE Vault Area, TU 9, opening excavation	S
City_Hall_20100604_0133.JPG	NE Vault Area, overall plan view	W
City_Hall_20100604_0134.JPG	NE Vault Area, opening plan view	
City_Hall_20100604_0135.JPG	NE Vault Area screening	S
City_Hall_20100604_0136.JPG	NE Vault Area, TU2	S
City_Hall_20100604_0137.JPG	NE Vault Area, TU13	SW
City_Hall_20100604_0138.JPG	NE Vault Area, TU13	S
City_Hall_20100604_0139.JPG	NE Vault Area, TU13	S
City_Hall_20100604_0140.JPG	NE Vault Area, screening	SW
City_Hall_20100604_0141.JPG	NE Vault Area, screening	
City_Hall_20100604_0142.JPG	NE Vault Area, TU13, plan view	S
City_Hall_20100604_0143.JPG	NE Vault Area, TU13, plan view	W
City_Hall_20100604_0144.JPG	NE Vault Area, TU13, plan view	S
City_Hall_20100604_0145.JPG	NE Vault Area, TU13, plan view	S
City_Hall_20100604_0146.JPG	NE Vault Area, TU13, plan view	S
City_Hall_20100604_0147.JPG	NE Vault Area, TU13, plan view	W
City_Hall_20100607_0148.JPG	NE Vault Area TU5 excavation	S
City_Hall_20100607_0149.JPG	NE Vault Area TU5 excavation	SW
City_Hall_20100607_0150.JPG	NE Vault Area screening	S
City_Hall_20100607_0151.JPG	NE Vault Area excavation	S
City_Hall_20100607_0152.JPG	NE Vault Area excavation, bone fragments	SW
City_Hall_20100607_0153.JPG	NE Vault Area TU 5, 2, 6, 4,7 and 3/8	W
City_Hall_20100607_0154.JPG	NE Vault Area TU6, opening plan view	S
City_Hall_20100607_0155.JPG	NE Vault Area TU6, opening plan view	S
City_Hall_20100607_0156.JPG	NE Vault Area TU11, top of Feature 3	SW
City_Hall_20100607_0157.JPG	NE Vault Area, TU3/8 and TU11	SW
City_Hall_20100607_0158.JPG	NE Vault Area, TU3/8 and TU11	SW
City_Hall_20100607_0159.JPG	NE Vault Area, TU3/8 and TU11, North Profile	NW
City_Hall_20100608_0160.JPG	NE Vault Area Plan view	E
City_Hall_20100608_0161.JPG	NE Vault Area, TU3/8, excavation	SW
City_Hall_20100608_0162.JPG	NE Vault Area, excavation, in progress plan view	SE
City_Hall_20100608_0163.JPG	NE Vault Area, screening	S
City_Hall_20100608_0164.JPG	NE Vault Area, screening	SE
City_Hall_20100608_0165.JPG	NE Vault Area, screening	W
City_Hall_20100608_0166.JPG	NE Vault Area, TU6, excavation	E
City_Hall_20100608_0167.JPG	NE Vault Area, TU 3/8, Feature 3 west profile	W
City_Hall_20100608_0168.JPG	NE Vault Area, TU 3/8 North Profile	N
City_Hall_20100608_0169.JPG	NE Vault Area TU 3/8 East Profile w/ Feature 1 builder's trench	E
City_Hall_20100608_0170.JPG	NE Vault Area TU 3/8 East Profile w/ Feature 1 builder's trench	E

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100608_0171.JPG	NE Vault Area, overall plan view	W
City_Hall_20100608_0172.JPG	NE Vault Area, TU 3/8 North Profile cleaning	NE
City_Hall_20100608_0173.JPG	NE Vault Area, TU 12 and TU 10, in progress	SW
City_Hall_20100608_0174.JPG	NE Vault Area, TU 12 and TU 10, in progress	N
City_Hall_20100608_0175.JPG	NE Vault Area, TU 10 and TU 9, Feature 2, cistern	W
City_Hall_20100608_0176.JPG	NE Vault Area, TU 12, in progress	N
City_Hall_20100608_0177.JPG	NE Vault Area, TU 10 and TU 9, Feature 2, cistern	N
City_Hall_20100608_0178.JPG	NE Vault Area, TU 12, French drain	N
City_Hall_20100608_0179.JPG	NE Vault Area, TU 10 and TU 9, Feature 2, cistern cleaning	W
City_Hall_20100608_0180.JPG	NE Vault Area, TU 10 and TU 9, Feature 2, cistern cleaning	S
City_Hall_20100609_0181.JPG	NE Vault Area	SW
City_Hall_20100609_0182.JPG	NE Vault Area, TU 14, excavation	SW
City_Hall_20100609_0183.JPG	NE Vault Area, TU 14, excavation	SW
City_Hall_20100609_0184.JPG	NE Vault Area, TU 10 and TU 9, Feature 2, cistern cleaned, plan view	E
City_Hall_20100609_0185.JPG	NE Vault Area, Feature 2, TUs 14, 13, 12, 10, and 9, plan view	E
City_Hall_20100609_0186.JPG	NE Vault Area, TU 10 and TU 9, level 2, Feature 2 plan view	SW
City_Hall_20100609_0187.JPG	NE Vault Area, TU 9, level 2, Feature 2 plan view	S
City_Hall_20100609_0188.JPG	NE Vault Area, TU 9, Feature 2, up close view	E
City_Hall_20100609_0189.JPG	NE Vault Area, TU 10 and TU 9, Feature 2 plan view	E
City_Hall_20100609_0190.JPG	NE Vault Area, TU 10, level 2, Feature 2 plan view	S
City_Hall_20100609_0191.JPG	NE Vault Area, TU 10 and TU 9, Feature 2 plan view	W
City_Hall_20100609_0192.JPG	NE Vault Area, TU 3/8, Feature 3 SE exterior corner	SW
City_Hall_20100609_0193.JPG	NE Vault Area, TU 3/8, Feature 3 SE exterior corner	SW
City_Hall_20100609_0194.JPG	NE Vault Area, TU 12 and TU 10, mapping	SE
City_Hall_20100609_0195.JPG	NE Vault Area, TU 9, Feature 2, cistern westernmost edge	S
City_Hall_20100609_0196.JPG	NE Vault Area, TU 10 and TU 9, mapping	S
City_Hall_20100609_0197.JPG	NE Vault Area, TU 10 and TU 9, mapping	S
City_Hall_20100609_0198.JPG	NE Vault Area, TU 11, excavation	SE
City_Hall_20100609_0199.JPG	NE Vault Area, TUs 12, 10 and 9, mapping	W
City_Hall_20100609_0200.JPG	NE Vault Area, TU 11, Level 2, Feature 3 structure, plan view	S
City_Hall_20100609_0201.JPG	NE Vault Area, TU 11, Level 2, Feature 3 structure, west profile	W

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100609_0202.JPG	NE Vault Area, TU 11, Level 2, Feature 3 structure, west profile	W
City_Hall_20100609_0203.JPG	NE Vault Area, TU 3/8, North Profile	N
City_Hall_20100609_0204.JPG	NE Vault Area, TU 3/8, North Profile	N
City_Hall_20100609_0205.JPG	NE Vault Area, TU 11, Feature 3 structure, cleaning	S
City_Hall_20100609_0206.JPG	NE Vault Area, TU 10 and 9, Feature 2 cistern, mapping	W
City_Hall_20100609_0207.JPG	NE Vault Area, TU 10 and 9, Feature 2 cistern, mapping	W
City_Hall_20100609_0208.JPG	NE Vault Area, TU 10 and 9, Feature 2 cistern, mapping	W
City_Hall_20100610_0209.JPG	NE Area, Aerial View	
City_Hall_20100610_0210.JPG	TU 11, Level 2, Feature 3 structure, plan view	S
City_Hall_20100610_0211.JPG	TU 14 and 13, cleaning and plan view	S
City_Hall_20100610_0212.JPG	TU 11, 14 and 13, cleaning and plan view	S
City_Hall_20100610_0213.JPG	TU 12 and 10, mapping plan view	S
City_Hall_20100610_0214.JPG	TU 14, 13, and 12, plan view	
City_Hall_20100610_0215.JPG	TU 14, 13, and 12, plan view	S
City_Hall_20100610_0216.JPG	TU 14, 13, and 12, plan view	S
City_Hall_20100610_0217.JPG	TU 13, and 12, plan view	
City_Hall_20100610_0218.JPG	TU 13, and 12, plan view	S
City_Hall_20100610_0219.JPG	TU 13, and 12, plan view	
City_Hall_20100610_0220.JPG	TU 10 and 9, Feature 2 cistern plan view	S
City_Hall_20100610_0221.JPG	TU 12 and 10, plan view	S
City_Hall_20100610_0222.JPG	TU 12, Feature 2, eastern edge, cleaning	
City_Hall_20100610_0223.JPG	TU 12, Feature 2, eastern edge, cleaning	
City_Hall_20100610_0224.JPG	TU 12, Feature 2, eastern edge, cleaning	S
City_Hall_20100610_0225.JPG	TU 12, Feature 2, eastern edge, cleaning	
City_Hall_20100610_0226.JPG	TU 12, Feature 2, eastern edge, cleaning	S
City_Hall_20100610_0227.JPG	TU 12, 10 and 9, Feature 2 cistern	W
City_Hall_20100610_0228.JPG	TU 12, Feature 2, eastern most edge of cistern exposed	W
City_Hall_20100610_0229.JPG	Button artifact, "Goodyear's P=T 1851 N-R-Co."	
City_Hall_20100610_0230.JPG	Coin	
City_Hall_20100610_0231.JPG	TU 11, Feature 3, excavation, in progress plan view	E
City_Hall_20100610_0232.JPG	TU 11, Feature 3, excavation, exposed floor	S
City_Hall_20100610_0233.JPG	TU 11, Feature 3, excavation	S
City_Hall_20100610_0234.JPG	TU 11, Feature 3, excavation	S
City_Hall_20100610_0235.JPG	TU 11, Feature 3, excavation	N
City_Hall_20100610_0236.JPG	TU 11, Feature 3, excavation	
City_Hall_20100610_0237.JPG	TU 11, Feature 3, excavation	N
City_Hall_20100610_0238.JPG	Glass artifacts, tumblers and embossed medicinal bottle, "Radway & Co., New	

PHOTO	DESCRIPTION	DIRECTION
	York"	
City_Hall_20100610_0239.JPG	TU 13, Brick drain, rounded brick corner	E
City_Hall_20100610_0240.JPG	TU 13, Brick drain	
City_Hall_20100610_0241.JPG	TU 13, Brick drain	SE
City_Hall_20100610_0242.JPG	TU 13, Brick rounded corner and drain	SE
City_Hall_20100610_0243.JPG	TU 11, Feature 3, floor exposed, plan view	S
City_Hall_20100610_0244.JPG	Rounded brick from brick drain, TU 13	
City_Hall_20100610_0245.JPG	TU 14, excavation	S
City_Hall_20100610_0246.JPG	TU 14, excavation	SW
City_Hall_20100611_0247.JPG	TU 11, Feature 3, floor exposed, plan view	
City_Hall_20100611_0248.JPG	TU 14, excavation	W
City_Hall_20100611_0249.JPG	TU 11, 14, and 13, Plan View	SW
City_Hall_20100611_0250.JPG	TU 11 and 14, Feature 3, plan view	S
City_Hall_20100611_0251.JPG	TU 11 and 14, Feature 3, plan view	S
City_Hall_20100611_0252.JPG	Ceramic Artifact, egg cup	
City_Hall_20100611_0253.JPG	Glass artifact, embossed medicinal bottle, "Radway & Co., New York"	
City_Hall_20100611_0254.JPG	Glass artifact, embossed medicinal bottle, "Radway & Co., New York"	
City_Hall_20100611_0255.JPG	Glass artifacts, glass tumblers	
City_Hall_20100611_0256.JPG	Glass artifacts, glass tumblers	
City_Hall_20100611_0257.JPG	Ceramic Artifact, lead glazed, stoneware spittoon	
City_Hall_20100611_0258.JPG	Various buttons: shell copper and bone, bone button blank; copper coins	
City_Hall_20100611_0259.JPG	Marble and indeterminate glass object	
City_Hall_20100611_0260.JPG	Metal coin	
City_Hall_20100611_0261.JPG	TU 11 and 14, Feature 3, plan view	S
City_Hall_20100611_0262.JPG	TU 11 and 14, Feature 3, plan view	S
City_Hall_20100611_0263.JPG	TU 11 and 14, Feature 3, plan view	S
City_Hall_20100611_0264.JPG	TU 11, North Profile	N
City_Hall_20100611_0265.JPG	TU 11, North Profile	N
City_Hall_20100611_0266.JPG	TU 11, Feature 3, West Profile	W
City_Hall_20100611_0267.JPG	TU 11, Feature 3, West Profile, detail	W
City_Hall_20100611_0268.JPG	TU 11, 14 and 13, Plan view, Mapping	W
City_Hall_20100611_0269.JPG	TU 11, Plan view	W
City_Hall_20100611_0270.JPG	TU 11, Feature 3, excavation of floor	S
City_Hall_20100614_0271.JPG	TU 14, excavation of soil stain	S
City_Hall_20100614_0272.JPG	NE Vault Area, TUs 5, 2, 6, 4, 7, 3/8, overall plan view and site tour	E
City_Hall_20100615_0273.JPG	NE Vault Area, TUs 5, 2, 6, 4, 7, 3/8, 11, 14, 13, overall plan view and site tour	E
City_Hall_20100615_0274.JPG	NE Vault Area, TUs 5, 2, 6, 4, 7, 3/8, 11, 14, 13, overall plan view and site tour	E
City_Hall_20100615_0275.JPG	NE Vault Area, TUs 5, 2, 6, 4, 7, 3/8, 11, 14, 13, overall plan view and site tour	W

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100615_0276.JPG	NE Vault Area, TUs 7, 3/8, 11, 14, 13, overall plan view and site tour	W
City_Hall_20100615_0277.JPG	NE Vault Area, TUs 3/8, 11, 14, 13, overall plan view and site tour	W
City_Hall_20100615_0278.JPG	NE Vault Area, TUs 5, 2, 6, 4, 7, 3/8, 11, overall plan view	W
City_Hall_20100615_0279.JPG	NE Vault Area, site tour	W
City_Hall_20100615_0280.JPG	TU 14, North Profile	N
City_Hall_20100615_0281.JPG	TU 14, West Profile	W
City_Hall_20100615_0282.JPG	TU 15 and 16, beginning excavations	W
City_Hall_20100616_0283.JPG	Screening	N
City_Hall_20100616_0284.JPG	TU 10, Feature 2, top of cistern	W
City_Hall_20100616_0285.JPG	TU 15, plan view in progress, edge of cistern and western edge of Feature 4	S
City_Hall_20100616_0286.JPG	TU 10, 9, 16, and 15, Feature 2 and Feature 4 plan view	S
City_Hall_20100617_0287.JPG	TU 12, 10, and 16 Plan view, Feature 2 and Feature 4	S
City_Hall_20100617_0288.JPG	TU 15 and 16 Plan view	SW
City_Hall_20100617_0289.JPG	TU 10, 9, 16, and 15, Feature 2 and Feature 4 plan view	SW
City_Hall_20100617_0290.JPG	TU 9 and 15, excavation	S
City_Hall_20100617_0291.JPG	TU 9 and 15, mapping	W
City_Hall_20100617_0292.JPG	TU 15, cleaning North Profile	W
City_Hall_20100617_0293.JPG	NE Vault Area, mapping in progress	SE
City_Hall_20100617_0294.JPG	TU 15, North Profile	N
City_Hall_20100617_0295.JPG	TU 16 East Profile	E
City_Hall_20100617_0296.JPG	TU 16 East Profile	E
City_Hall_20100617_0297.JPG	TU 10, 9, 15, 16 Plan View Mapping	SW
City_Hall_20100617_0298.JPG	TU 10, 9, 15, 16 Plan View Mapping	SW
City_Hall_20100617_0299.JPG	TU 10, 9, 15, 16 Plan View Mapping	SW
City_Hall_20100617_0300.JPG	TU 15 and 16, North Profile	N
City_Hall_20100617_0301.JPG	TU 15 and 16, North Profile	N
City_Hall_20100617_0302.JPG	TU 15 and 16, South Profile, Feature 2 and Feature 4	S
City_Hall_20100617_0303.JPG	TU 15 and 16, South Profile	S
City_Hall_20100617_0304.JPG	TU 15, West Profile	W
City_Hall_20100617_0305.JPG	TU 15, East Profile	E
City_Hall_20100617_0306.JPG	TU 10, 9, 15, 16 plan view mapping	SE
City_Hall_20100618_0307.JPG	TU16 and 15, mapping	SW
City_Hall_20100618_0308.JPG	NE Vault Area, closed up	W
City_Hall_20100620_0309.JPG	NE Vault Area, overall plan view	W
City_Hall_20100620_0310.JPG	NE Vault Area, Feature 1, TU 5, 2, 6, and 4, plan view	S
City_Hall_20100620_0311.JPG	NE Vault Area, TU 3/8, 11 and 14, Feature 3, plan view	S
City_Hall_20100620_0312.JPG	NE Vault Area, TU 10, 9, 15, and 16, Feature	S

PHOTO	DESCRIPTION	DIRECTION
	4 and Feature 2, plan view	
City_Hall_20100620_0313.JPG	NE Vault Area, overall plan view	E
City_Hall_20100620_0314.JPG	NE Vault Area, TU 5, 2, 6, and 4, plan view	E
City_Hall_20100620_0315.JPG	NE Vault Area, TU 5, 2, 6, and 4, plan view	S
City_Hall_20100620_0316.JPG	NE Vault Area, TU 5, 2, 6, 4, and 7 plan view	S
City_Hall_20100620_0317.JPG	NE Vault Area, TU 6, 4, 7, and 3/8 plan view	S
City_Hall_20100620_0318.JPG	NE Vault Area, TU 6, 4, 7, and 3/8 plan view	S
City_Hall_20100620_0319.JPG	NE Vault Area, TU 4, 7, 3/8, 11, and 14 plan view	S
City_Hall_20100620_0320.JPG	NE Vault Area, TU 3/8, 11, 14, 13 and 12 plan view	S
City_Hall_20100620_0321.JPG	NE Vault Area, TU 11, 14, 13, 12, 10, 9, and 16 plan view	S
City_Hall_20100620_0322.JPG	NE Vault Area, TU 10, 9, 15, and 16, Feature 4 and Feature 2, plan view	S
City_Hall_20100620_0323.JPG	NE Vault Area, TU 10, 9, 15, and 16, Feature 4 and Feature 2, plan view	S
City_Hall_20100620_0324.JPG	NE Vault Area, TU 11, 14, 13, 12, 10, 9, 15, and 16, northeast Features, plan view	SE
City_Hall_20100620_0325.JPG	NE Vault Area, TU 10, 9, 15, and 16, Feature 4 and Feature 2, plan view	SE
City_Hall_20100620_0326.JPG	NE Vault Area, TU 13, 12, 10, 9, 15, and 16, northeast Features, plan view	W
City_Hall_20100620_0327.JPG	NE Vault Area, TU 10, 9, 15, and 16, Feature 4 and Feature 2, plan view	W
City_Hall_20100620_0328.JPG	NE Vault Area, TU 5, 2, 6, 4, 7, 3/8, 11, trench and Feature 3, plan view	E
City_Hall_20100620_0329.JPG	NE Vault Area, TU 5, 2, 6, 4, 7, 3/8, 11, trench and Feature 3, plan view	E
City_Hall_20100620_0330.JPG	NE Vault Area, TU 3/8, 11, and 14, plan view	W
City_Hall_20100620_0331.JPG	NE Vault Area, trench and northeast Features, Overall plan view	SE
City_Hall_20100620_0332.JPG	NE Vault Area, TU 13, 12, 10, 9, 15, and 16, northeast Features, plan view	S
City_Hall_20100620_0333.JPG	NE Vault Area, trench and northeast Features, Overall plan view	S
City_Hall_20100620_0334.JPG	NE Vault Area, TU 11, 14, 13, 12, 10, 9, 15, and 16, northeast Features, aerial plan view	S
City_Hall_20100620_0335.JPG	NE Vault Area, TU 5, 2, 6, 4, 7, 3/8, 11, trench and Feature 3, aerial plan view	SE
City_Hall_20100620_0336.JPG	NE Vault Area, TU 13, 12, 10, 9, 15, and 16, northeast Features, aerial plan view	S
City_Hall_20100620_0337.JPG	NE Vault Area, TU 10, 9, 15, and 16, Feature 4 and Feature 2, plan view	S
City_Hall_20100620_0338.JPG	NE Vault Area, TU 13, 12, 10, 9, 15, and 16, northeast Features, plan view	SE
City_Hall_20100620_0339.JPG	NE Vault Area, TU 9 and 15, Feature 4 and Feature 2, plan view Vault area	S
City_Hall_20100620_0340.JPG	NE Vault Area, TU 9, 15, and 16, Feature 4 and Feature 2 plan view	S

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100620_0341.JPG	NE Vault Area, TU 16 plan view, Feature 4	S
City_Hall_20100620_0342.JPG	NE Vault Area, TU 16 plan view, close up Feature 4 and Feature 2	S
City_Hall_20100620_0343.JPG	NE Vault Area, TU 13 and 12, plan view	S
City_Hall_20100620_0344.JPG	NE Vault Area, TU 14, Feature 3 exterior east profile	E
City_Hall_20100620_0345.JPG	NE Vault Area, TU 3/8, 11, and 14, Feature 3, plan view	S
City_Hall_20100620_0346.JPG	NE Vault Area, TU 5, 2, 6, 4, 7, and 3/8, trench and Feature 1, overall plan view	E
City_Hall_20100620_0347.JPG	NE Vault Area, TU 3/8, 11, 14, 13 and 12, overall plan view	W
City_Hall_20100620_0348.JPG	NE Vault Area, trench and Feature 1, overall plan view	W
City_Hall_20100620_0349.JPG	NE Vault Area, overall plan view	SW
City_Hall_20100620_0350.JPG	TU 5 and 2, site tour	SE
City_Hall_20100620_0351.JPG	TU 5 and 2, site tour	S
City_Hall_20100620_0352.JPG	Trench 1, site tour	S
City_Hall_20100620_0353.JPG	TU 3/8 and 11, site tour	W
City_Hall_20100620_0354.JPG	TU 3/8 and 11, site tour	W
City_Hall_20100620_0355.JPG	TU 3/8 and 11, site tour	W
City_Hall_20100620_0356.JPG	Site tour	W
City_Hall_20100620_0357.JPG	TU 3/8 and 11, site tour	W
City_Hall_20100620_0358.JPG	Trench 1, site tour	S
City_Hall_20100620_0359.JPG	Site tour	NW
City_Hall_20100620_0360.JPG	TU 14 and 13, profiles, site tour	W
City_Hall_20100620_0361.JPG	TU 16 and 15, plan view, site tour	W
City_Hall_20100620_0362.JPG	TU 16 and 15, plan view, site tour	W
City_Hall_20100620_0363.JPG	TU 10, 9, 15, 16, plan view	SW
City_Hall_20100620_0364.JPG	TU 10 and 16, site tour	S
City_Hall_20100620_0365.JPG	TU 10 and 16, site tour	S
City_Hall_20100620_0366.JPG	TU 15, plan view	S
City_Hall_20100620_0367.JPG	TU 10, 9, 15, 16, plan view, site tour	SE
City_Hall_20100620_0368.JPG	Feature 2, cistern edge, detail	
City_Hall_20100620_0369.JPG	East path post hole	
City_Hall_20100623_0370.JPG	East path post hole	
City_Hall_20100623_0371.JPG	Room 6A, beginning excavations	
City_Hall_20100702_0372.JPG	Room 6A, excavations	
City_Hall_20100702_0373.JPG	Room 6A, wall Feature, profile	
City_Hall_20100702_0374.JPG	Room 6A, wall Feature, up close	
City_Hall_20100702_0375.JPG	Room 6A, wall Feature, profile	
City_Hall_20100702_0376.JPG	Room 6A, wall Feature, profile	
City_Hall_20100702_0377.JPG	Room 6A, wall Features, plan view	N
City_Hall_20100702_0378.JPG	Room 6A, wall Features, plan view	W
City_Hall_20100702_0379.JPG	Room 6A Wall Feature, plan view	N

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100702_0380.JPG	Room 6A Wall Feature, plan view	N
City_Hall_20100702_0381.JPG	Room 6A Wall Feature, plan view	W
City_Hall_20100702_0382.JPG	Room 6A Wall Feature, plan view	N
City_Hall_20100702_0383.JPG	Room 6A wall Feature, east profile	E
City_Hall_20100702_0384.JPG	Room 6A, wall Feature, profile	
City_Hall_20100702_0385.JPG	Room 6A, wall Feature, profile	
City_Hall_20100702_0386.JPG	Room 6A, wall Feature, profile	
City_Hall_20100702_0387.JPG	Room 6A Wall Feature, plan view	SW
City_Hall_20100702_0388.JPG	East field, monitoring station beginning excavation	W
City_Hall_20100712_0389.JPG	East field, monitoring station beginning excavation	W
City_Hall_20100712_0390.JPG	East field, monitoring station, Wall 1 and Wall 2 Plan view	S
City_Hall_20100712_0391.JPG	East field, monitoring station, Wall 1 and Wall 2 Plan view, up close	S
City_Hall_20100712_0392.JPG	East field, monitoring station, Wall 1 and Wall 2 Plan view	W
City_Hall_20100712_0393.JPG	East field, monitoring station excavation between walls	N
City_Hall_20100712_0394.JPG	Copper Artifact, key top	
City_Hall_20100712_0395.JPG	Room 6A, Wall Feature 6A.1, opening profile	E
City_Hall_20100713_0396.JPG	Room 6A, Wall Feature 6A.1, plan view	N
City_Hall_20100713_0397.JPG	Room 6A, Wall Feature 6A.2, plan view	N
City_Hall_20100713_0398.JPG	Room 6A, Wall Feature 6A.3, plan view	N
City_Hall_20100713_0399.JPG	Room 6A, Wall Feature 6A.4, plan view	N
City_Hall_20100713_0400.JPG	Room 6A, Wall Feature 6A.5, plan view	N
City_Hall_20100713_0401.JPG	Room 6A, Wall Feature 6A.6, plan view	N
City_Hall_20100713_0402.JPG	Room 6A, Wall Feature 6A.7, plan view	N
City_Hall_20100713_0403.JPG	Room 6A, Wall Feature 6A.7, plan view	N
City_Hall_20100713_0404.JPG	Room 6A, Wall Feature 6A.7, opening profile	W
City_Hall_20100713_0405.JPG	Room 6A, Wall Feature 6A.5, east profile	E
City_Hall_20100713_0406.JPG	Room 6A, Wall Feature 6A.5, north profile	N
City_Hall_20100713_0407.JPG	Room 6A, Wall Feature 6A.8, plan view	N
City_Hall_20100713_0408.JPG	Room 6A, Wall Feature 6A.1, east profile	E
City_Hall_20100713_0409.JPG	Room 6A, Wall Feature 6A.1, east profile	E
City_Hall_20100713_0410.JPG	Room 6A, Wall Feature 6A.3, north profile	N
City_Hall_20100713_0411.JPG	Room 6A, Wall Feature 6A.3, north profile	N
City_Hall_20100713_0412.JPG	Room 6A, Wall Feature 6A.7, west profile	W
City_Hall_20100713_0413.JPG	Room 6A, TU3, Wall Feature 6A.6 and 6A.7, north profile	N
City_Hall_20100713_0414.JPG	East field, monitoring station, north profile	N
City_Hall_20100714_0415.JPG	Room 6A, TU 4, excavation between wall Features	N
City_Hall_20100714_0416.JPG	Room 6A, wall Features	NE

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100714_0417.JPG	Room 6A, Wall Feature 6A.1, east profile	E
City_Hall_20100714_0418.JPG	Room 6A, excavation activities	N
City_Hall_20100714_0419.JPG	Room 6A, excavation activities	N
City_Hall_20100714_0420.JPG	Room 6A, TU 4, North Profile	N
City_Hall_20100714_0421.JPG	Room 6A, TU 4, West Profile	N
City_Hall_20100714_0422.JPG	Copper Artifact, skeleton key	
City_Hall_20100714_0423.JPG	Room 8C, excavation activities	NE
City_Hall_20100714_0424.JPG	Metal artifact	
City_Hall_20100714_0425.JPG	Copper Artifact, skeleton key	
City_Hall_20100714_0426.JPG	Room 8C, excavation activities	E
City_Hall_20100714_0427.JPG	Room 8C, excavation activities	S
City_Hall_20100714_0428.JPG	Room 8C, excavation activities	NE
City_Hall_20100714_0429.JPG	Room 8C, Wall Feature 8C.2, plan view	N
City_Hall_20100714_0430.JPG	Room 8C, Wall Feature 8C.1, plan view	N
City_Hall_20100714_0431.JPG	Room 8C, Wall Feature 8C.2, plan view	N
City_Hall_20100714_0432.JPG	Room 8C, Wall Feature 8C.2, plan view	N
City_Hall_20100714_0433.JPG	Room 8C, Wall Feature 8C.3, plan view	N
City_Hall_20100714_0434.JPG	Room 8C, Wall Feature 8C.4, plan view	N
City_Hall_20100714_0435.JPG	Room 8C, Wall Feature 8C.5, plan view	N
City_Hall_20100714_0436.JPG	Room 8C, Wall Feature 8C.5, plan view	S
City_Hall_20100714_0437.JPG	Room 8C, Wall Feature 8C.5, plan view	N
City_Hall_20100714_0438.JPG	Room 8C, Wall Feature 8C.6, plan view	N
City_Hall_20100714_0439.JPG	Room 8C, Wall Feature 8C.6, plan view	S
City_Hall_20100714_0440.JPG	City Hall Basement, bricked up door	
City_Hall_20100715_0441.JPG	Room 8C, excavation activities	NE
City_Hall_20100715_0442.JPG	Room 8C, excavation activities, beginning TU1	NE
City_Hall_20100715_0443.JPG	Room 8C, TU 1, in progress excavation	SE
City_Hall_20100715_0444.JPG	Room 8C, TU 1, in progress excavation	S
City_Hall_20100715_0445.JPG	Room 8C, TU 1, in progress excavation	S
City_Hall_20100715_0446.JPG	Room 8C, TU 1, in progress excavation	
City_Hall_20100715_0447.JPG	Room 8C, TU 1, in progress excavation	
City_Hall_20100715_0448.JPG	Room 8C, TU 1, in progress excavation	SW
City_Hall_20100715_0449.JPG	Room 8C, TU 1, in progress excavation	SW
City_Hall_20100715_0450.JPG	Copper Artifact, copper wire rimmed spectacles	
City_Hall_20100715_0451.JPG	Room 8C, TU 1, in progress excavation	
City_Hall_20100715_0452.JPG	Room 8C, TU 1, in progress excavation	
City_Hall_20100715_0453.JPG	Room 8C, TU 1, North Wall Profile	N
City_Hall_20100715_0454.JPG	Room 8C, TU 1, West Profile	W
City_Hall_20100715_0455.JPG	Ceramic Artifact, Grey Salt glazed stoneware Jug	
City_Hall_20100715_0456.JPG	Bone Artifact, Bone button blanks	
City_Hall_20100715_0457.JPG	Bone Artifact, Bone lice Comb	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100715_0458.JPG	Copper Artifact, copper wire rimmed spectacles	
City_Hall_20100715_0459.JPG	Metal Artifact, Skeleton Key	
City_Hall_20100715_0460.JPG	Trench 3, 0 to 7 Feet, Cobble Walk, Plan view	W
City_Hall_20100715_0461.JPG	Trench 3, 0 to 7 Feet, Cobble Walk, Plan view	W
City_Hall_20100715_0462.JPG	Room 8C, TU 1 and 2, mapping	
City_Hall_20100716_0463.JPG	Room 8C, TU 1 and 2, west wall profile	W
City_Hall_20100716_0464.JPG	Room 8C, TU 1 and 2, south wall profile	S
City_Hall_20100716_0465.JPG	Room 8C, TU 3, south wall profile	S
City_Hall_20100716_0466.JPG	Room 8C, TU 3, east wall profile	E
City_Hall_20100716_0467.JPG	Room 8C, TU 3, west wall profile	W
City_Hall_20100716_0468.JPG	Room 8C, TU 4, west wall profile	W
City_Hall_20100719_0469.JPG	Room 8C, TU 4, east wall profile	E
City_Hall_20100719_0470.JPG	Room 8C, TU 5, north wall profile	N
City_Hall_20100720_0471.JPG	Room 8C, TU 5, north wall profile	N
City_Hall_20100720_0472.JPG	Room 8C, TU 5, East wall profile	E
City_Hall_20100720_0473.JPG	Room 8C, TU 5, West wall profile	W
City_Hall_20100720_0474.JPG	Room 8C, TU 5, West wall profile	W*
City_Hall_20100720_0475.JPG	Murray Street Path excavation	N
City_Hall_20100720_0476.JPG	Murray Street Path excavation	N
City_Hall_20100720_0477.JPG	Murray Street/PH 1A, Cobblestone Walkway	N
City_Hall_20100720_0478.JPG	Room 8c, Screen Repairing	
City_Hall_20100721_0479.JPG	Clay Artifact, Stag head pipe bowl	
City_Hall_20100721_0480.JPG	Artifacts, Clay marble, indeterminate glass object	
City_Hall_20100721_0481.JPG	Room 8C, TU 6, Excavation	
City_Hall_20100721_0482.JPG	Room 8c, TU 6, Excavation	
City_Hall_20100721_0483.JPG	Room 8C, TU 6, west profile	W
City_Hall_20100721_0484.JPG	Room 8C, TU 6, north profile	N
City_Hall_20100721_0485.JPG	Room 8C, TU 6, east profile	E
City_Hall_20100721_0486.JPG	City Hall Basement, chimney location, sealed	
City_Hall_20100721_0487.JPG	City Hall Basement, chimney location, sealed	
City_Hall_20100721_0488.JPG	City Hall Basement, chimney location, sealed	
City_Hall_20100721_0489.JPG	City Hall Basement, chimney location, sealed	
City_Hall_20100721_0490.JPG	City Hall basement, doorway, sealed	
City_Hall_20100721_0491.JPG	City Hall basement, doorway, sealed	
City_Hall_20100721_0492.JPG	City Hall Basement, chimney/fireplace location, sealed	
City_Hall_20100721_0493.JPG	City Hall basement, doorway, sealed	
City_Hall_20100721_0494.JPG	City Hall basement, doorway, sealed	
City_Hall_20100721_0495.JPG	City Hall Basement, chimney/fireplace location, sealed	
City_Hall_20100721_0496.JPG	City Hall Basement, chimney/fireplace location, sealed	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100721_0497.JPG	City Hall basement, doorway, sealed	
City_Hall_20100721_0498.JPG	Artifact, 1746 British half-penny	
City_Hall_20100721_0499.JPG	Artifact, 1746 British half-penny	
City_Hall_20100721_0500.JPG	Artifact, 1746 British half-penny	
City_Hall_20100721_0501.JPG	Artifact, metal belt buckle	
City_Hall_20100721_0502.JPG	Artifacts, various personal items, bone button in progress, copper buttons, stick pin	
City_Hall_20100721_0503.JPG	Artifact, Rhennish decorated stoneware	
City_Hall_20100721_0504.JPG	Artifact, scratch blue teacup or bowl	
City_Hall_20100721_0505.JPG	Artifact, pipe bowls	
City_Hall_20100721_0506.JPG	Artifact, marked pipe bowl	
City_Hall_20100721_0507.JPG	Artifact, marked grey salt glazed stoneware	
City_Hall_20100721_0508.JPG	Artifact, buff bodied salt glazed stoneware, blue dot motif	
City_Hall_20100721_0509.JPG	Artifact, slip decorated redware teacup, brown dot motif	
City_Hall_20100721_0510.JPG	Artifact, slip decorated redware, trailed decoration	
City_Hall_20100721_0511.JPG	Artifact, slip decorated redware	
City_Hall_20100721_0512.JPG	Room 8C, TU 7, West Profile	W
City_Hall_20100721_0513.JPG	Artifact, slip decorated earthenware, dark brown glaze	
City_Hall_20100721_0514.JPG	Artifact, slip decorated earthenware, dark brown glaze	
City_Hall_20100721_0515.JPG	Artifact, slip decorated earthenware, dark brown glaze	
City_Hall_20100721_0516.JPG	Artifact, printed porcelain	
City_Hall_20100721_0517.JPG	Artifact, printed porcelain	
City_Hall_20100721_0518.JPG	Artifact, marked pipe bowl	
City_Hall_20100721_0519.JPG	Room 8C, TU 7, south profile	S
City_Hall_20100721_0520.JPG	Artifact, Bone button blanks, and copper stick pin	
City_Hall_20100721_0521.JPG	Artifact, copper spoon	
City_Hall_20100721_0522.JPG	Clay Artifact, Stag head pipe bowl	
City_Hall_20100721_0523.JPG	Clay Artifact, Stag head pipe bowl, side view	
City_Hall_20100721_0524.JPG	Clay Artifact, Stag head pipe bowl, side view	
City_Hall_20100721_0525.JPG	Clay Artifact, Stag head pipe bowl	
City_Hall_20100721_0526.JPG	Clay Artifact, Stag head pipe bowl	
City_Hall_20100721_0527.JPG	Clay Artifact, Stag head pipe bowl	
City_Hall_20100721_0528.JPG	Clay Artifact, Stag head pipe bowl	
City_Hall_20100721_0529.JPG	Clay Artifact, Stag head pipe bowl, reverse	
City_Hall_20100721_0530.JPG	Clay Artifact, Stag head pipe bowl, side view	
City_Hall_20100721_0531.JPG	Room 8C, TU 7	W
City_Hall_20100721_0532.JPG	Room 8C, TU 8, North Profile	N
City_Hall_20100721_0533.JPG	Room 8C, TU 8, west profile	W
City_Hall_20100721_0534.JPG	Room 8C, TU 8, east profile	E

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100721_0535.JPG	NE Vault Area, TU 15, 16, 17 and 18, cleaning, plan view	SW
City_Hall_20100723_0536.JPG	NE Vault Area, TU 16 and 18, East Profile	E
City_Hall_20100723_0537.JPG	NE Vault Area, TU 16 and 18, Feature 6, East profile	E
City_Hall_20100723_0538.JPG	NE Vault Area, TU 16 and 18, Feature 6, plan view	S
City_Hall_20100723_0539.JPG	NE Vault Area, TU 19, opening excavations	
City_Hall_20100723_0540.JPG	NE Vault Area, TU 19, opening excavations	
City_Hall_20100723_0541.JPG	NE Vault Area, TU 19, opening excavations	
City_Hall_20100723_0542.JPG	NE Vault Area Feature 4 mapping	SW
City_Hall_20100723_0543.JPG	NE Vault Area, Feature 4 excavation	S
City_Hall_20100723_0544.JPG	NE Vault Area, Feature 4 excavation	S
City_Hall_20100723_0545.JPG	NE Vault Area, TU 19, Strat III and IIIA, Plan view in progress	S
City_Hall_20100723_0546.JPG	NE Vault Area, TU 19, excavations	SW
City_Hall_20100723_0547.JPG	Feature 4 wall profile, detail image	
City_Hall_20100723_0548.JPG	NE Vault Area, Feature 4 structure corner detail	
City_Hall_20100723_0549.JPG	NE Vault Area, excavation	NE
City_Hall_20100723_0550.JPG	NE Vault Area, Feature 4	
City_Hall_20100723_0551.JPG	NE Vault Area, Feature 4 excavation	SW
City_Hall_20100723_0552.JPG	NE Vault Area, Feature 4 excavation	SW
City_Hall_20100723_0553.JPG	NE Vault area screening	
City_Hall_20100723_0554.JPG	NE Vault Area, Feature 4 excavation	SE
City_Hall_20100727_0555.JPG	NE Vault Area, Brick Features, Plan View	S
City_Hall_20100727_0556.JPG	NE Vault area screening	
City_Hall_20100727_0557.JPG	NE Vault Area, Feature 4	S
City_Hall_20100727_0558.JPG	NE Vault Area, Feature 4 excavation	E
City_Hall_20100727_0559.JPG	NE Vault Area, Feature 4	NE
City_Hall_20100727_0560.JPG	NE Vault Area, Feature 4	N
City_Hall_20100727_0561.JPG	NE Vault Area, Feature 4 detail	
City_Hall_20100727_0562.JPG	NE Vault Area, mapping	
City_Hall_20100727_0563.JPG	NE Vault Area, Feature 4 excavation	N
City_Hall_20100727_0564.JPG	NE Vault Area, screening	
City_Hall_20100727_0565.JPG	NE Vault Area, screening	
City_Hall_20100727_0566.JPG	NE Vault Area, Feature 4 excavation	N
City_Hall_20100727_0567.JPG	NE Vault Area, TU 18, 19, 20, Strat VI and Feature 6, Plan view in progress	E
City_Hall_20100727_0568.JPG	NE Vault Area, TU 18, 19, 20, Strat VI and Feature 6, Plan view in progress	E
City_Hall_20100727_0569.JPG	NE Vault Area, TU 18, 19, 20, Strat VI and Feature 6, Plan view in progress	SE
City_Hall_20100727_0570.JPG	NE Vault Area, Feature 6 opening plan view	
City_Hall_20100727_0571.JPG	NE Vault Area, Features 4 and 7	NE
City_Hall_20100727_0572.JPG	NE Vault Area, Feature 7 and Feature 4 east profile detail	NE

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100727_0573.JPG	NE Vault Area, Feature 4 north profile detail	N
City_Hall_20100727_0574.JPG	NE Vault Area, Feature 4 interior with Features 6 and 7 plan views	E
City_Hall_20100727_0575.JPG	NE Vault Area, Feature 4 interior with Features 6 and 7 plan views	SE
City_Hall_20100727_0576.JPG	NE Vault Area, Feature 7, opening plan view	N
City_Hall_20100727_0577.JPG	NE Vault Area, TU 17, 18, 19, 20, Feature 6, Opening plan view	W
City_Hall_20100727_0578.JPG	NE Vault Area, TU 20 Feature 7 Plan View	E
City_Hall_20100727_0579.JPG	NE Vault Area, TU 20 Feature 7 Plan View	E
City_Hall_20100727_0580.JPG	NE Vault Area, Features 2 and 4	S
City_Hall_20100727_0581.JPG	NE Vault Area, plan view Features 3, 4 and 7	E
City_Hall_20100727_0582.JPG	NE Vault Area, Feature 6 excavation	SW
City_Hall_20100727_0583.JPG	City Hall Basement Room 6A, gutted	
City_Hall_20100727_0584.JPG	City Hall Basement Room 6A, gutted	
City_Hall_20100727_0585.JPG	City Hall Basement Room 6A, exposed fireplace	
City_Hall_20100727_0586.JPG	City Hall Basement Room 6A, gutted, old doorways, sealed	
City_Hall_20100727_0587.JPG	City Hall Basement Room, gutted, old doorways, sealed	
City_Hall_20100727_0588.JPG	City Hall Basement Room, gutted, old doorways, sealed	
City_Hall_20100727_0589.JPG	City Hall Basement Room, gutted, old arched hallway	
City_Hall_20100727_0590.JPG	NE Vault Area, TU 17 and 19, South Wall Profile	S
City_Hall_20100728_0591.JPG	NE Vault Area, Feature 6 excavation	S
City_Hall_20100728_0592.JPG	NE Vault Area, Feature 6 excavation detail of wooden box	
City_Hall_20100728_0593.JPG	NE Vault Area, Feature 6 excavation	
City_Hall_20100728_0594.JPG	NE Vault Area, Feature 6 excavation	
City_Hall_20100728_0595.JPG	NE Vault Area, Feature 6 excavation	
City_Hall_20100728_0596.JPG	NE Vault Area, Feature 6 excavation	
City_Hall_20100728_0597.JPG	NE Vault Area, Feature 6 excavation	
City_Hall_20100728_0598.JPG	NE Vault Area, Feature 6 excavation	
City_Hall_20100728_0599.JPG	NE Vault Area, Feature 6, bisection	
City_Hall_20100728_0600.JPG	NE Vault Area, Feature 6, bisection	
City_Hall_20100728_0601.JPG	NE Vault Area, Feature 6, bisection	
City_Hall_20100728_0602.JPG	NE Vault Area, Feature 1	
City_Hall_20100728_0603.JPG	NE Vault Area, Feature 6, North wall profile	
City_Hall_20100728_0604.JPG	NE Vault Area, Feature 6, East wall profile	
City_Hall_20100728_0605.JPG	NE Vault Area, Feature 6, East interior wall	
City_Hall_20100728_0606.JPG	NE Vault Area, Feature 6, Interior wall, Nail	
City_Hall_20100728_0607.JPG	NE Vault Area, Feature 6, Interior corner	
City_Hall_20100728_0608.JPG	NE Vault Area, TU 20, Feature 7, Brick Well	E
City_Hall_20100729_0609.JPG	NE Vault Area, TU 20, Feature 7, Brick Well	SE

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100729_0610.JPG	NE Vault Area, TU 22, Plan View in progress	S
City_Hall_20100730_0611.JPG	NE Vault Area, TU 21 and 22, excavation in progress	S
City_Hall_20100730_0612.JPG	NE Vault Area, TU 21, excavation in progress	
City_Hall_20100730_0613.JPG	NE Vault Area, TU 21, excavation in progress	NE
City_Hall_20100730_0614.JPG	NE Vault Area, TU 19, 20, 21 and 22, Plan view	N
City_Hall_20100730_0615.JPG	NE Vault Area, TU 21 and 22, excavation in progress	N
City_Hall_20100730_0616.JPG	NE Vault Area, TU 21 and 22, excavation in progress	N
City_Hall_20100730_0617.JPG	NE Vault Area, TU 22 and 20, Feature 7, Brick Well Plan View	S
City_Hall_20100730_0618.JPG	NE Vault Area, TU 22 and 20, Feature 7, Brick Well Plan View	S
City_Hall_20100730_0619.JPG	NE Vault Area, TU 22 and 20, Feature 7, Brick Well Plan View	S
City_Hall_20100730_0620.JPG	NE Vault Area, TU 22, Feature 7, Brick Well Plan View	S
City_Hall_20100730_0621.JPG	NE Vault Area, TU 20, Feature 7, Brick Well Plan View	S
City_Hall_20100730_0622.JPG	NE Vault Area, TU 20, Feature 7, Brick Well beginning excavation	S
City_Hall_20100730_0623.JPG	NE Vault Area, TU 20 and 22, Feature 7, Brick Well beginning excavation	
City_Hall_20100730_0624.JPG	NE Vault Area, TU 20, Feature 7, Brick Well beginning excavation	W
City_Hall_20100730_0625.JPG	NE Vault Area, TU 20, Feature 7, Brick Well Plan View in progress	
City_Hall_20100730_0626.JPG	NE Vault Area, TU 20, Feature 7, Brick Well Plan View in progress	
City_Hall_20100730_0627.JPG	NE Vault Area, TU 20, Feature 7, Brick Well Plan View in progress	
City_Hall_20100730_0628.JPG	NE Vault Area, TU 20, Feature 7, Brick Well Plan View in progress	
City_Hall_20100730_0629.JPG	NE Vault Area, TU 22, Feature 7, Brick Well	
City_Hall_20100730_0630.JPG	NE Vault Area, TU 20, Feature 7, Brick Well Plan View	
City_Hall_20100730_0631.JPG	NE Vault Area, Mapping	S
City_Hall_20100730_0632.JPG	Artifact, Polychrome painted pearlware	
City_Hall_20100730_0633.JPG	NE Vault Area, TU 12, 10, 9, 15, 16, 17, 18, 19, 20 Plan View	S
City_Hall_20100802_0634.JPG	NE Vault Area, TU 12, 10, 9, 15, 16, 17, 18, 19, 20, 21, 22 Plan View	E
City_Hall_20100802_0635.JPG	NE Vault Area, TU 20 and 22, Brick Features, plan view	W
City_Hall_20100802_0636.JPG	NE Vault Area, TU 16, 17, 18, 19, 20, Brick Feature, Plan View	E
City_Hall_20100802_0637.JPG	NE Vault Area, Site visit	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100802_0638.JPG	NE Vault Area, TU 20 and 22, Feature 7, in progress plan view	
City_Hall_20100802_0639.JPG	NE Vault Area, TU 16, 17, 18, 19, 20, brick Feature, Plan View	SW
City_Hall_20100802_0640.JPG	NE Vault Area, TU 10, 9, 15, 16, 17, 18, 19, 20 Brick Features, Plan View	SW
City_Hall_20100802_0641.JPG	NE Vault Area, TU 22, Feature 7, brick Well Plan View	
City_Hall_20100802_0642.JPG	NE Vault Area, TU 10, 9, 15, 16, 17, 18, 19, 20 Brick Features, Plan View	W
City_Hall_20100802_0643.JPG	NE Vault Area, TU 19, 16, 20, 18, Brick Features, Plan View	NW
City_Hall_20100802_0644.JPG	NE Vault Area, TU 20, Feature 7, brick well Plan View in progress	
City_Hall_20100802_0645.JPG	NE Vault Area, TU 20 and 22, Feature 7, Brick Well plan view in progress	S
City_Hall_20100802_0646.JPG	NE Vault Area, TU 12, 10, 9, 15, 16, 17, 18, 19, 20 Plan View	SW
City_Hall_20100802_0647.JPG	NE Vault Area, TU 13, 12, 10, 16, 17, 18, 19, 20, Brick Features, Plan View	S
City_Hall_20100802_0648.JPG	NE Vault Area, TU 10, 9, 15, 16, 17, 18, 19, 20 Brick Features, Plan View	SW
City_Hall_20100802_0649.JPG	NE Vault Area, TU 16, 17, 18, 19, 20, Brick Features, Plan View	S
City_Hall_20100802_0650.JPG	NE Vault Area, TU 16, 17, 18, 19, 20, Brick Features, Plan View	N
City_Hall_20100802_0651.JPG	NE Vault Area, TU 17, 18, 19, 20, 21, 22, Brick Features, Plan View	NE
City_Hall_20100802_0652.JPG	NE Vault Area, TU 16, 17, Feature 2 (cistern) and Feature 4, Abutment	N
City_Hall_20100802_0653.JPG	NE Vault Area, TU 16, 19, Feature 2 (cistern) and Feature 4, Abutment	W
City_Hall_20100802_0654.JPG	NE Vault Area, TU 13, 12, 10, 16, 17, 18, 19, 20, Brick Features, Plan View	W
City_Hall_20100802_0655.JPG	NE Vault Area, TU 20, Feature 7, Brick Well, East Profile	E
City_Hall_20100802_0656.JPG	NE Vault Area, TU 20, Feature 7, Brick Well, North Profile	N
City_Hall_20100802_0657.JPG	NE Vault Area, TU 20, Feature 7, Brick Well, East Profile	E
City_Hall_20100802_0658.JPG	NE Vault Area, TU 11, Feature 3 structure	SW
City_Hall_20100803_0659.JPG	Trench 3 (Murray Street path), Excavation	E
City_Hall_20100803_0660.JPG	NE Vault Area, Stone Well, first exposure	W
City_Hall_20100803_0661.JPG	NE Vault Area, Stone Well, first exposure	W
City_Hall_20100803_0662.JPG	NE Vault Area, Stone Well, first exposure	
City_Hall_20100803_0663.JPG	NE Vault Area, TU 23 and 25, Ice House, Feature 5, North Wall, Exterior	S
City_Hall_20100803_0664.JPG	NE Vault Area, Site Visit	E
City_Hall_20100803_0665.JPG	NE Vault Area, TU 12, 10, 9, 15, 16, 17, 18, 19, 20 Brick Structures, Plan View	W
City_Hall_20100803_0666.JPG	NE Vault Area, Overall Site view	NE
City_Hall_20100803_0667.JPG	NE Vault Area, Brick Features, Overall View	NE

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100803_0668.JPG	NE Vault Area, TU 21 and 22, Feature 4, Prep for photo	
City_Hall_20100803_0669.JPG	NE Vault Area, TU 21 and 22, Feature 4, East Wall Exterior Feature 4 and Feature 7, Brick Well	W
City_Hall_20100803_0670.JPG	NE Vault Area, exposing stone well	NW
City_Hall_20100803_0671.JPG	NE Vault Area, exposing stone well	NW
City_Hall_20100803_0672.JPG	NE Vault Area, exposing stone well	NW
City_Hall_20100803_0673.JPG	NE Vault Area, exposing stone well	NW
City_Hall_20100803_0674.JPG	NE Vault Area, exposing stone well	NW
City_Hall_20100803_0675.JPG	NE Vault Area, exposing stone well	NW
City_Hall_20100803_0676.JPG	Room 8C, East Wall	N
City_Hall_20100803_0677.JPG	Room 8C, East Wall, Sealed Door	
City_Hall_20100803_0678.JPG	Room 8C, East Wall, Sealed Door	
City_Hall_20100803_0679.JPG	Room 8C, East Wall, sealed fireplace	
City_Hall_20100803_0680.JPG	Room 8C, West Wall	
City_Hall_20100803_0681.JPG	Room 8C, west Wall, sealed fireplace	
City_Hall_20100803_0682.JPG	Room 8C, west Wall, sealed door	
City_Hall_20100803_0683.JPG	Room 6, West Wall	
City_Hall_20100803_0684.JPG	Room 6, West Wall, sealed door	
City_Hall_20100803_0685.JPG	Room 6, West Wall, sealed fireplace	
City_Hall_20100803_0686.JPG	Room 6, West Wall, sealed door	
City_Hall_20100803_0687.JPG	Room 6, East Wall	
City_Hall_20100803_0688.JPG	Room 6, East Wall	
City_Hall_20100803_0689.JPG	Room 6, East Wall, sealed door	
City_Hall_20100803_0690.JPG	Room 6, South Wall	
City_Hall_20100803_0691.JPG	Room 6, South Wall, sealed door	
City_Hall_20100803_0692.JPG	Room 6A, East Wall, sealed fireplace	
City_Hall_20100803_0693.JPG	Room 6A, East Wall	
City_Hall_20100803_0694.JPG	Room 6A, West Wall	
City_Hall_20100803_0695.JPG	Room 6A, South Wall	
City_Hall_20100803_0696.JPG	City Hall Basement Room	
City_Hall_20100803_0697.JPG	NE Vault Area, Stone Well	N
City_Hall_20100804_0698.JPG	NE Vault Area, Stone Well	
City_Hall_20100804_0699.JPG	NE Vault Area, TU 23 and 25, Feature 3	
City_Hall_20100804_0700.JPG	NE Vault Area, Stone Well	
City_Hall_20100804_0701.JPG	NE Vault Area, Stone Well	
City_Hall_20100804_0702.JPG	NE Vault Area, Trench 1 and Stone well	
City_Hall_20100804_0703.JPG	NE Vault Area, Stone Well, excavation	W
City_Hall_20100804_0704.JPG	NE Vault Area, TU 23 and 25, Feature 3	S
City_Hall_20100804_0705.JPG	NE Vault Area, Stone Well, excavation	
City_Hall_20100804_0706.JPG	NE Vault Area, Stone Well, excavation	
City_Hall_20100804_0707.JPG	NE Vault Area, Stone Well, excavation	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100804_0708.JPG	NE Vault Area, Stone Well, excavation	
City_Hall_20100804_0709.JPG	NE Vault Area, Stone Well, excavation	
City_Hall_20100804_0710.JPG	NE Vault Area Feature 8 stone well excavation	NW
City_Hall_20100804_0711.JPG	NE Vault Area Feature 8 stone well	
City_Hall_20100804_0712.JPG	NE Vault Area, French Drain w/ bluestone cap	SE
City_Hall_20100804_0713.JPG	NE Vault Area, French Drain w/ bluestone cap	SE
City_Hall_20100804_0714.JPG	NE Vault Area, French Drain interior view	
City_Hall_20100804_0715.JPG	NE Vault Area, French Drain w/ bluestone cap	
City_Hall_20100804_0716.JPG	NE Vault Area, French Drain interior view	
City_Hall_20100804_0717.JPG	NE Vault Area, French Drain w/ bluestone cap	
City_Hall_20100804_0718.JPG	NE Vault Area, Feature 3 interior excavation	
City_Hall_20100804_0719.JPG	NE Vault Area, TU 3/8. North Wall (French drain being supported)	
City_Hall_20100804_0720.JPG	NE Vault Area, Stone Well (Feature 8) and French Drain (Feature 9)	W
City_Hall_20100804_0721.JPG	NE Vault Area, Stone Well (Feature 8) and French Drain (Feature 11)	W
City_Hall_20100804_0722.JPG	NE vault Area, Stone Well (Feature 8) and French Drains (Features 9 and 11)	W
City_Hall_20100804_0723.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0724.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0725.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0726.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0727.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0728.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0729.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0730.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0731.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0732.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0733.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0734.JPG	City Hall Basement, Interior Room, Guttred, Brick walls and sealed doorways exposed	
City_Hall_20100805_0735.JPG	NE Vault Area, Feature 8 Stone well and French Drains, Plan View	W
City_Hall_20100805_0736.JPG	NE Vault Area, Feature 8 Stone well and Feature 9 French Drain, Plan View	E

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100805_0737.JPG	NE Vault Area, Feature 8 Stone well and Feature 9 French Drain, Plan View	SE
City_Hall_20100805_0738.JPG	NE Vault Area, Feature 8 Stone well and Feature 9 French Drain, Plan View	S
City_Hall_20100805_0739.JPG	NE Vault Area, Feature 8 Stone well and Feature 9 French Drain, Mapping	E
City_Hall_20100805_0740.JPG	NE Vault Area, Feature 8 Stone well and Feature 9 French Drain, Mapping	E
City_Hall_20100805_0741.JPG	City Hall Basement, East Hallway, Stone Plaque Removal	
City_Hall_20100805_0742.JPG	NE Vault Area, Feature 8 Stone well Plan View	SW
City_Hall_20100805_0743.JPG	NE Vault Area, Feature 8 Stone well Plan View	NW
City_Hall_20100805_0744.JPG	NE Vault Area, Feature 8 Stone and French drain, cleaning	E
City_Hall_20100805_0745.JPG	NE Vault Area, Feature 8 Stone well, cleaning	S
City_Hall_20100805_0746.JPG	NE Vault Area, Feature 8 Stone and French drain, cleaning	SW
City_Hall_20100805_0747.JPG	NE Vault Area, Feature 8 Stone well, cleaning	S
City_Hall_20100805_0748.JPG	NE Vault Area, Feature 8 Stone and French drain, cleaning	NE
City_Hall_20100805_0749.JPG	NE Vault Area, Feature 8 Stone and French drain, plan view	
City_Hall_20100805_0750.JPG	NE Vault Area, Feature 8 Stone and French drain, cleaning	NE
City_Hall_20100805_0751.JPG	NE Vault Area, Feature 8 Stone and French drain, cleaning	NE
City_Hall_20100805_0752.JPG	NE Vault Area, Feature 8 Stone and French drain, cleaning	N
City_Hall_20100805_0753.JPG	NE vault Area, Feature 8, stone well	
City_Hall_20100805_0754.JPG	NE vault Area, site visit	NW
City_Hall_20100805_0755.JPG	NE Vault Area, Features 8, 9, 10, and 11, Plan View	N
City_Hall_20100805_0756.JPG	NE Vault Area, Features 8, 9, 10, and 11, Plan View	S
City_Hall_20100806_0757.JPG	NE Vault Area, Features 8, 9, 10, and 11, Plan View	N
City_Hall_20100806_0758.JPG	NE Vault Area, Feature 11, South Profile	S
City_Hall_20100806_0759.JPG	NE Vault Area, Feature 8, removal of stone cap	S
City_Hall_20100806_0760.JPG	NE Vault Area, Feature 8, stone cap removal	E
City_Hall_20100806_0761.JPG	NE Vault Area, Feature 8, removal of stone cap	SW
City_Hall_20100806_0762.JPG	NE Vault Area, Feature 8, removal of stone cap	E
City_Hall_20100806_0763.JPG	NE Vault Area, Feature 8, removal of stone cap	E
City_Hall_20100806_0764.JPG	NE Vault Area, Feature 8, without stone cap	S
City_Hall_20100806_0765.JPG	NE Vault Area, Feature 8, without stone cap	S

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100806_0766.JPG	NE Vault Area, Feature 8, beginning excavation	S
City_Hall_20100806_0767.JPG	NE Vault Area, Feature 8, beginning excavation	SE
City_Hall_20100806_0768.JPG	NE Vault Area, Feature 8, opening plan view	S
City_Hall_20100806_0769.JPG	NE Vault Area, Feature 8, wood support for stone cap	
City_Hall_20100806_0770.JPG	NE Vault Area, Feature 8, wood support for stone cap	S
City_Hall_20100806_0771.JPG	NE Vault Area, Feature 8, opening plan view	S
City_Hall_20100806_0772.JPG	NE Vault Area, Feature 11	S
City_Hall_20100806_0773.JPG	NE Vault Area, Feature 8, plan view in progress	
City_Hall_20100806_0774.JPG	NE Vault Area, Feature 8, plan view in progress	S
City_Hall_20100806_0775.JPG	NE Vault Area, Feature 8, West profile, exterior construction	
City_Hall_20100806_0776.JPG	NE Vault Area, Feature 8, wood support for stone cap	
City_Hall_20100806_0777.JPG	NE Vault Area, Feature 8, wood support for stone cap	
City_Hall_20100806_0778.JPG	NE Vault Area, Feature 8, wood support for stone cap	
City_Hall_20100806_0779.JPG	NE Vault Area, Feature 8, plan view in progress	N
City_Hall_20100806_0780.JPG	NE Vault Area, Feature 8, removing wood support for stone cap	W
City_Hall_20100806_0781.JPG	NE Vault Area, Feature 8, wood support for stone cap removed	
City_Hall_20100806_0782.JPG	NE Vault Area, Feature 8, wood support for stone cap removed	
City_Hall_20100806_0783.JPG	NE Vault Area, Feature 8, wood support for stone cap removed	
City_Hall_20100806_0784.JPG	NE Vault Area, Feature 8, opening excavation, bisection	NW
City_Hall_20100806_0785.JPG	NE Vault Area, Feature 8, East profile, interior construction	
City_Hall_20100806_0786.JPG	NE Vault Area, Feature 8, excavation, bisection	SW
City_Hall_20100806_0787.JPG	NE Vault Area, Feature 8, excavation, bisection in progress	S
City_Hall_20100809_0788.JPG	NE Vault Area, Feature 11, South Profile	N
City_Hall_20100809_0789.JPG	NE Vault Area, Feature 8 and 11	SE
City_Hall_20100809_0790.JPG	NE Vault Area, Feature 8 and 11	SE
City_Hall_20100809_0791.JPG	NE Vault Area, Feature 8 and 11	SW
City_Hall_20100809_0792.JPG	NE Vault Area, Feature 8, excavation, bisection in progress	S
City_Hall_20100809_0793.JPG	NE Vault Area, Feature 8, excavation, bisection in progress	S
City_Hall_20100809_0794.JPG	NE Vault Area, Feature 9, plan view	S
City_Hall_20100809_0795.JPG	NE Vault Area, Feature 8 and 11	E

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100809_0796.JPG	NE Vault Area, Feature 8, excavation, bisection in progress	NE
City_Hall_20100809_0797.JPG	NE Vault Area, Feature 8, excavation, bisection in progress	E
City_Hall_20100809_0798.JPG	NE Vault Area, Feature 9, plan view	E
City_Hall_20100809_0799.JPG	NE Vault Area, Feature 8, interior and interior view of Feature 11	W
City_Hall_20100809_0800.JPG	NE Vault Area, Feature 8, interior, south profile	S
City_Hall_20100809_0801.JPG	NE Vault Area, Feature 11, plan view	E
City_Hall_20100809_0802.JPG	NE Vault Area, TU 22, Feature 7	W
City_Hall_20100809_0803.JPG	NE Vault Area, TU 20, Feature 7	S
City_Hall_20100809_0804.JPG	NE Vault Area, TU 16 and 19, Feature 4, South Profile	S
City_Hall_20100809_0805.JPG	NE Vault Area, TU 16 Feature 4, South and west profiles	SW
City_Hall_20100809_0806.JPG	NE Vault Area, TU 11, Feature 3, exterior east profile	E
City_Hall_20100809_0807.JPG	NE Vault Area, TU 20, Feature 7 and Feature 4 north and east profiles	NE
City_Hall_20100809_0808.JPG	NE Vault Area, TU 16 Feature 4, North and west profiles	NW
City_Hall_20100809_0809.JPG	NE Vault Area, TU 17 and 18, Feature 4, North profile	N
City_Hall_20100809_0810.JPG	NE Vault Area, TU 20, Feature 4 north and east profiles	NE
City_Hall_20100809_0811.JPG	NE Vault Area, TU 17 Feature 4, west profile	NE
City_Hall_20100809_0812.JPG	NE Vault Area, Features 2, 3 and 4, Aerial Plan View	E
City_Hall_20100809_0813.JPG	NE Vault Area, Feature 8, excavation and screening	E
City_Hall_20100809_0814.JPG	NE Vault Area, Feature 8, excavation	E
City_Hall_20100809_0815.JPG	NE Vault Area, Features 2, 3 and 4, Aerial Plan View	E
City_Hall_20100809_0816.JPG	NE Vault Area, Feature 8, excavation	SE
City_Hall_20100809_0817.JPG	NE Vault Area, Feature 8, North Wall Profile	N
City_Hall_20100810_0818.JPG	NE Vault Area, Feature 8, North half excavation	W
City_Hall_20100810_0819.JPG	NE Vault Area, Feature 8, screening	SW
City_Hall_20100810_0820.JPG	NE Vault Area, Feature 8, North half excavation	SW
City_Hall_20100810_0821.JPG	NE Vault Area, Feature 8, excavation and screening	SW
City_Hall_20100810_0822.JPG	NE Vault Area, Feature 8, North half excavation	S
City_Hall_20100810_0823.JPG	NE Vault Area, Feature 8, North half excavation	NW
City_Hall_20100810_0824.JPG	NE Vault Area, Feature 8, Interior Wall (northern wall)	N
City_Hall_20100810_0825.JPG	NE Vault Area, Feature 8, Interior Wall (eastern wall)	NE

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100810_0826.JPG	NE Vault Area, Feature 8, Interior Wall (southern wall)	S
City_Hall_20100810_0827.JPG	NE Vault Area, Feature 8, Interior Wall (western wall)	W
City_Hall_20100810_0828.JPG	NE Vault Area, Feature 8, Shovel test pit	W
City_Hall_20100810_0829.JPG	NE Vault Area, Feature 8, Shovel test pit	S
City_Hall_20100810_0830.JPG	NE Vault Area, Feature 8, Interior Wall cleaning	NW
City_Hall_20100810_0831.JPG	NE Vault Area, Feature 8, Interior Wall cleaning and Feature 9 cleaning	SW
City_Hall_20100810_0832.JPG	NE Vault Area, Feature 8, Interior Wall cleaning and Feature 9 cleaning	E
City_Hall_20100810_0833.JPG	NE Vault Area, Feature 8	S
City_Hall_20100810_0834.JPG	NE Vault Area, Feature 8	SE
City_Hall_20100810_0835.JPG	NE Vault Area, press visit	NW
City_Hall_20100810_0836.JPG	NE Vault Area, Feature 8 and Feature 11 abutment, interior view of drain (Feature 11)	W
City_Hall_20100810_0837.JPG	NE Vault Area, Feature 9 plan view	NW
City_Hall_20100810_0838.JPG	NE Vault Area, Feature 9 plan view	SE
City_Hall_20100810_0839.JPG	NE Vault Area, press visit	NW
City_Hall_20100811_0840.JPG	NE Vault Area, Feature 8 and 9, plan view	NW
City_Hall_20100811_0841.JPG	NE Vault Area, press visit	W
City_Hall_20100811_0842.JPG	Trench 3 (Murray Street path), activities	E
City_Hall_20100811_0843.JPG	Trench 3 (Murray Street path), activities	NE
City_Hall_20100813_0844.JPG	Manhole 2, beginning excavations	S
City_Hall_20100816_0845.JPG	Manhole 2, beginning excavations	S
City_Hall_20100816_0846.JPG	Manhole 2, beginning excavations	N
City_Hall_20100816_0847.JPG	Manhole 2 excavation	S
City_Hall_20100816_0848.JPG	Artifact, Pipe bowl, harp stamp	
City_Hall_20100816_0849.JPG	Trench 3 (Murray Street Path), Excavation	NW
City_Hall_20100816_0850.JPG	Trench 3 (Murray Street Path), Excavation	N
City_Hall_20100816_0851.JPG	Manhole 2 excavation	N
City_Hall_20100816_0852.JPG	North Breezeway, beginning excavations	S
City_Hall_20100817_0853.JPG	West Path, Feature 12, Cistern	N
City_Hall_20100817_0854.JPG	Manhole 2 excavation	E
City_Hall_20100817_0855.JPG	Manhole 2 excavation	S
City_Hall_20100817_0856.JPG	Manhole 2 excavation	S
City_Hall_20100817_0857.JPG	West Path, excavation and revealing cistern	N
City_Hall_20100817_0858.JPG	West Path, excavation and revealing cistern	N
City_Hall_20100817_0859.JPG	West Path, excavation and revealing cistern	N
City_Hall_20100817_0860.JPG	West Path, and Feature 12 cistern	S
City_Hall_20100817_0861.JPG	West Path, Feature 12, Cistern	S
City_Hall_20100818_0862.JPG	West Path, Feature 12, Cistern	S
City_Hall_20100818_0863.JPG	Manhole 2 excavation	N
City_Hall_20100818_0864.JPG	West Path (signs says Murray Street) Feature 12, Cistern plan view	S

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100819_0865.JPG	West Path Trench, West Profile above cistern	E
City_Hall_20100819_0866.JPG	West Path (signs says Murray Street) Feature 13, Drain, Plan view	S
City_Hall_20100819_0867.JPG	West Path, Feature 12 and 13 abutment, side view of cistern	N
City_Hall_20100819_0868.JPG	Murray Street Path, Manhole 1 excavation	NW
City_Hall_20100820_0869.JPG	Murray Street Path, Manhole 1 excavation	N
City_Hall_20100820_0870.JPG	Murray Street Path, Manhole 1 excavation	N
City_Hall_20100820_0871.JPG	Murray Street Path, Manhole 1 North Profile	NW
City_Hall_20100820_0872.JPG	West Path, Feature 12, top of Cistern	W
City_Hall_20100820_0873.JPG	West Path, Feature 12, cleaning top of Cistern	N
City_Hall_20100820_0874.JPG	West Path, Feature 12, top of Cistern	S
City_Hall_20100820_0875.JPG	West Path, Feature 12, top of Cistern	S
City_Hall_20100820_0876.JPG	West Path, Feature 12, top of Cistern	S
City_Hall_20100820_0877.JPG	Manhole 2 excavation	S
City_Hall_20100820_0878.JPG	Manhole 2 excavation	SE
City_Hall_20100820_0879.JPG	West Path, Feature 12, top of Cistern	E
City_Hall_20100820_0880.JPG	West Path, Feature 12, cleaning top of Cistern	E
City_Hall_20100820_0881.JPG	Murray Street Path, activities	SE
City_Hall_20100820_0882.JPG	Murray Street Path, south profile	S
City_Hall_20100820_0883.JPG	Artifact, "QUATRIEME REGIMENT" button	
City_Hall_20100820_0884.JPG	West Path, Feature 12, structure atop cistern	E
City_Hall_20100823_0885.JPG	Manhole 3 (Tweed walkway), beginning excavations	S
City_Hall_20100824_0886.JPG	Manhole 3 (Tweed walkway), beginning excavations	E
City_Hall_20100824_0887.JPG	West Path, Feature 12, cleaning top of Cistern	S
City_Hall_20100824_0888.JPG	West Path, Feature 12, top of Cistern	S
City_Hall_20100824_0889.JPG	West Path, Feature 12, top of Cistern	S
City_Hall_20100824_0890.JPG	West Path, Feature 12, top of Cistern	S
City_Hall_20100824_0891.JPG	Manhole 3 (Tweed walkway), beginning excavations	E
City_Hall_20100824_0892.JPG	West Path, Feature 12, cleaning top of Cistern	S
City_Hall_20100824_0893.JPG	West Path, Feature 12, top of Cistern	E
City_Hall_20100824_0894.JPG	West Path, Feature 12, cleaning top of Cistern	E
City_Hall_20100824_0895.JPG	West Path, Feature 12, top of Cistern	
City_Hall_20100824_0896.JPG	West Path, Feature 12, measuring depth of structure atop cistern	N
City_Hall_20100824_0897.JPG	West Path, Feature 12, top of Cistern	
City_Hall_20100824_0898.JPG	West Path, Feature 12, opening atop cistern, ceramic attached	E
City_Hall_20100824_0899.JPG	West Path, Feature 12, investigating opening	E

PHOTO	DESCRIPTION	DIRECTION
	atop cistern	
City_Hall_20100824_0900.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100824_0901.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100824_0902.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100824_0903.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100824_0904.JPG	West Path (signs says Murray Street) Feature 12, Cap detail	S
City_Hall_20100824_0905.JPG	West Path (signs says Murray Street) Feature 12, Cap detail	W
City_Hall_20100824_0906.JPG	West Path (signs says Murray Street) Feature 12, Cap detail	S
City_Hall_20100824_0907.JPG	West Path (signs says Murray Street) Feature 12, Cap detail	E
City_Hall_20100824_0908.JPG	West Path (signs says Murray Street) Feature 12, Cap detail	S
City_Hall_20100824_0909.JPG	West Path (signs says Murray Street) Feature 12, Cap detail	E
City_Hall_20100824_0910.JPG	West Path, Feature 12, Cap detail	E
City_Hall_20100824_0911.JPG	West Path (signs says Murray Street) Feature 12, Cap detail	W
City_Hall_20100824_0912.JPG	West Path, Feature 12, removal of brick on top of cap	W
City_Hall_20100824_0913.JPG	West Path, Feature 12, removal of brick on top of cap	W
City_Hall_20100824_0914.JPG	West Path, Feature 12, brick from top of cap	
City_Hall_20100824_0915.JPG	West Path, Feature 12, removing structure atop cistern	W
City_Hall_20100824_0916.JPG	West Path, Feature 12, removing structure atop cistern	SE
City_Hall_20100824_0917.JPG	West Path, Feature 12, removing structure atop cistern	SE
City_Hall_20100824_0918.JPG	West Path, Feature 12, removing structure atop cistern	S
City_Hall_20100824_0919.JPG	West Path, Feature 12, removing structure atop cistern	E
City_Hall_20100824_0920.JPG	West Path, Feature 12, removing structure atop cistern	E
City_Hall_20100824_0921.JPG	West Path, Feature 12, removing structure atop cistern	SE
City_Hall_20100824_0922.JPG	West Path, Feature 12, interior of cistern, other side of brick cap	
City_Hall_20100824_0923.JPG	West Path, Feature 12, top of Cistern	E
City_Hall_20100825_0924.JPG	West Path, Feature 12, top of Cistern	S
City_Hall_20100825_0925.JPG	West Path, Feature 12, top of Cistern	W
City_Hall_20100825_0926.JPG	West Path, Feature 12, top of Cistern	NW
City_Hall_20100825_0927.JPG	West Path, Feature 12, top of Cistern	S
City_Hall_20100825_0928.JPG	West Path, Feature 13, cleaning drain at southern end of Cistern	S
City_Hall_20100825_0929.JPG	West Path, Feature 13, cleaning drain at southern end of Cistern	N

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100825_0930.JPG	West Path, Feature 12, removing cap of cistern	S
City_Hall_20100825_0931.JPG	West Path, Feature 12, removing cap of cistern	S
City_Hall_20100825_0932.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100825_0933.JPG	West Path, Feature 12, interior of cistern, other side of brick cap	
City_Hall_20100825_0934.JPG	West Path, Feature 12, interior of cistern, drainage hole	
City_Hall_20100825_0935.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100825_0936.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100825_0937.JPG	West Path, Feature 12, interior of cistern, drainage hole	
City_Hall_20100825_0938.JPG	West Path, Feature 12, interior of cistern, other side of brick cap	
City_Hall_20100825_0939.JPG	West Path, Feature 12, interior of cistern, other side of brick cap	
City_Hall_20100825_0940.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100825_0941.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100825_0942.JPG	West Path, Feature 12, interior of cistern, other side of brick cap	
City_Hall_20100825_0943.JPG	West Path, Feature 12, interior of cistern, other side of brick cap	
City_Hall_20100825_0944.JPG	West Path, Feature 12, entering cistern	
City_Hall_20100825_0945.JPG	West Path, Feature 12, entering cistern	
City_Hall_20100825_0946.JPG	West Path, Feature 12, entering cistern	
City_Hall_20100825_0947.JPG	West Path, Feature 12, entering cistern	
City_Hall_20100825_0948.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100825_0949.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100825_0950.JPG	West Path, Feature 12, inspecting artifact from interior of cistern	S
City_Hall_20100825_0951.JPG	West Path, Feature 12, inspecting artifact from interior of cistern	SE
City_Hall_20100825_0952.JPG	West Path, Feature 12, entering cistern	W
City_Hall_20100825_0953.JPG	West Path, Feature 12, interior of cistern	
City_Hall_20100825_0954.JPG	West Path, Feature 12, interior of cistern, drainage hole	
City_Hall_20100825_0955.JPG	West Path, Feature 12, interior of cistern, drainage hole	
City_Hall_20100825_0956.JPG	West Path, Feature 12, interior of cistern, other side of brick cap	
City_Hall_20100825_0957.JPG	West Path, Feature 12, interior of cistern, w/ scale	
City_Hall_20100825_0958.JPG	West Path, Feature 12, interior of cistern, w/ scale	
City_Hall_20100825_0959.JPG	West Path, Feature 12, interior of cistern, w/ scale	
City_Hall_20100825_0960.JPG	West Path, Feature 12, interior of cistern, w/ scale	
City_Hall_20100825_0961.JPG	West Path, Feature 12, interior of cistern, w/	

PHOTO	DESCRIPTION	DIRECTION
	scale	
City_Hall_20100825_0962.JPG	West Path, Feature 12, interior of cistern, w/ scale	
City_Hall_20100825_0963.JPG	West Path, Feature 12, interior of cistern, other side of brick cap	
City_Hall_20100825_0964.JPG	West Path, Feature 12, excavating top of cistern	N
City_Hall_20100826_0965.JPG	West Path, Feature 12, removing cap of cistern	SW
City_Hall_20100826_0966.JPG	West Path, Feature 12, removing cap of cistern	SW
City_Hall_20100826_0967.JPG	West Path, Feature 12, removing cap of cistern	SW
City_Hall_20100826_0968.JPG	West Path Feature 12, cistern interior	
City_Hall_20100826_0969.JPG	West Path Feature 12, cistern interior	
City_Hall_20100826_0970.JPG	Murray Street path and west path intersection, utility pipes laid	N
City_Hall_20100826_0971.JPG	West Path, Feature 13, interior of drain	
City_Hall_20100826_0972.JPG	West Path, Feature 13, interior of drain	
City_Hall_20100826_0973.JPG	West Path, Feature 13, drain plan view	S
City_Hall_20100826_0974.JPG	West Path excavation	N
City_Hall_20100826_0975.JPG	Murray Street path and west path intersection, utility pipes laid	NW
City_Hall_20100827_0976.JPG	Murray Street path, utility pipes laid	W
City_Hall_20100827_0977.JPG	Murray Street path and west path intersection, utility pipes laid	NW
City_Hall_20100827_0978.JPG	Murray Street path, Feature 14 North Profile	N
City_Hall_20100827_0979.JPG	City Hall NW Area, Test Probe #4, Feature 15	S
City_Hall_20100827_0980.JPG	City Hall NW Area, Test Probe #4, Feature 15	S
City_Hall_20100827_0981.JPG	City Hall NW Area, Test Probe #4, Feature 15	E
City_Hall_20100827_0982.JPG	PH III, East 1/2 probe, south unit, 18th C Trash pit	S
City_Hall_20100828_0983.JPG	PH III, East 1/2 probe, south unit, 18th C Trash pit	S
City_Hall_20100828_0984.JPG	Test probe, East Path	
City_Hall_20100828_0985.JPG	Test probe, East Path	
City_Hall_20100828_0986.JPG	Test probe, East Path	
City_Hall_20100830_0987.JPG	Test probe, soil profile	
City_Hall_20100830_0988.JPG	Test probe, stone wall	
City_Hall_20100830_0989.JPG	Test probe, stone wall	
City_Hall_20100830_0990.JPG	Phase 4 Manhole, Feature 15, South Profile	S
City_Hall_20100830_0991.JPG	Probe 4, plan view with clay sewer pipe in floor	S
City_Hall_20100830_0992.JPG	West Path, Feature Cleaning	E
City_Hall_20100901_0993.JPG	West Path, Feature 16, Plan View	N
City_Hall_20100901_0994.JPG	West Path, Feature 16, Plan View	W

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100901_0995.JPG	West Path, Feature 16, Plan View	E
City_Hall_20100901_0996.JPG	West Path, Feature 16, north profile	N
City_Hall_20100901_0997.JPG	West Path, Feature 16, Plan View	W
City_Hall_20100901_0998.JPG	West Path, Feature 16, exterior north profile	N
City_Hall_20100901_0999.JPG	West Path, brick Feature, cleaning	S
City_Hall_20100901_1000.JPG	West Path, brick Feature	S
City_Hall_20100901_1001.JPG	West Path, Feature 17, Plan View	W
City_Hall_20100902_1002.JPG	West Path, Feature 17, Plan View/Profile	W
City_Hall_20100902_1003.JPG	West Path, Feature 17, Plan View	S
City_Hall_20100902_1004.JPG	Overall Site Plan Map, in progress	
City_Hall_20100902_1005.JPG	West Path, Feature 17, mapping	S
City_Hall_20100902_1006.JPG	Manhole 2, activities	S
City_Hall_20100902_1007.JPG	Manhole 2 east profile	E
City_Hall_20100902_1008.JPG	Manhole 2, drawing profile	
City_Hall_20100902_1009.JPG	Soil Profile	
City_Hall_20100902_1010.JPG	Soil Profile	
City_Hall_20100902_1011.JPG	West Path, excavations	E
City_Hall_20100903_1012.JPG	West Path, excavations	E
City_Hall_20100903_1013.JPG	West Path, Indeterminate Stone Feature (F. 18)	
City_Hall_20100903_1014.JPG	West Path, Indeterminate Stone Feature (F. 18)	W
City_Hall_20100903_1015.JPG	West Path, cleaning Indeterminate Stone Feature (F. 18)	S
City_Hall_20100903_1016.JPG	West Path, Stone Shaft, (F. 18)	NW
City_Hall_20100903_1017.JPG	West Path, Stone Shaft, (F. 18)	E
City_Hall_20100907_1018.JPG	West Path, Feature 18 Plan View	W
City_Hall_20100907_1019.JPG	West Path, Feature 18 Plan View	W
City_Hall_20100907_1020.JPG	West Path, Feature 18 Plan View	N
City_Hall_20100907_1021.JPG	West Path, Feature 18 Plan View	E
City_Hall_20100907_1022.JPG	West path, Feature 18 and Drain to the north, excavation activities	N
City_Hall_20100907_1023.JPG	West Path, Feature 19 Plan View	E
City_Hall_20100907_1024.JPG	West Path, Feature 19 Plan View	E
City_Hall_20100907_1025.JPG	West Path, Feature 19 Plan View	N
City_Hall_20100907_1026.JPG	West Path, Feature 19 Plan View	N
City_Hall_20100907_1027.JPG	West Path, Feature 19 abutting cistern (F.20)	N
City_Hall_20100907_1028.JPG	West Path, Cistern (F.20)	NE
City_Hall_20100907_1029.JPG	West Path, Cistern (F.20)	NE
City_Hall_20100907_1030.JPG	West Path, Feature 20, Cistern Plan View	N
City_Hall_20100907_1031.JPG	West Path, Feature 20, Cistern Plan View	S
City_Hall_20100907_1032.JPG	West Path, Feature 20, Cistern Plan View	W
City_Hall_20100907_1033.JPG	West Path, Feature 20, Cistern Plan View	S
City_Hall_20100907_1034.JPG	West Path, Feature 20, Cistern Plan View	S
City_Hall_20100908_1035.JPG	West Path, Feature 20, Cistern Plan View	W

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100908_1036.JPG	West Path, Feature 20, Cistern Plan View	N
City_Hall_20100908_1037.JPG	West Path, Feature 20, Cistern Plan View	N
City_Hall_20100908_1038.JPG	North Breezeway, test pits	W
City_Hall_20100908_1039.JPG	North Breezeway, test pits	S
City_Hall_20100908_1040.JPG	North Breezeway, test pits, Feature 21	N
City_Hall_20100908_1041.JPG	North Breezeway, test pits, Feature 21	E
City_Hall_20100908_1042.JPG	North Breezeway, Extended STP 2, Feature 21	S
City_Hall_20100908_1043.JPG	North Breezeway, Extended STP 2, Feature 21	E
City_Hall_20100908_1044.JPG	North Breezeway, Extended STP 2, Feature 21	S
City_Hall_20100908_1045.JPG	North Breezeway, Extended STP 2, Feature 21, interior view	
City_Hall_20100908_1046.JPG	North Breezeway, Extended STP 2, Feature 21, interior view	S
City_Hall_20100908_1047.JPG	Breezeway, STP 3	
City_Hall_20100908_1048.JPG	Breezeway, STP 3	
City_Hall_20100908_1049.JPG	Breezeway, excavation	S
City_Hall_20100908_1050.JPG	Breezeway, excavation, F.22 cleaning	S
City_Hall_20100908_1051.JPG	Breezeway, excavation, F.22 cleaning	S
City_Hall_20100908_1052.JPG	Artifacts, Stoneware ceramic and copper belt buckle	
City_Hall_20100908_1053.JPG	Breezeway, Feature 22, Plan View in Progress	S
City_Hall_20100908_1054.JPG	Breezeway, Feature 22, Plan View in Progress	S
City_Hall_20100908_1055.JPG	City Hall Basement, Interior work	
City_Hall_20100909_1056.JPG	Breezeway, activities	E
City_Hall_20100909_1057.JPG	Breezeway, Feature 22, excavation	S
City_Hall_20100909_1058.JPG	Breezeway, Feature 22, excavation	S
City_Hall_20100909_1059.JPG	NE Vault Area, Feature 9 and 10, Plan View	N
City_Hall_20100909_1060.JPG	NE Vault Area, Feature 10, Plan View	N
City_Hall_20100909_1061.JPG	NE Vault Area, Feature 9, Plan View	NW
City_Hall_20100909_1062.JPG	NE Vault Area, Feature 9, south profile, exterior	SW
City_Hall_20100909_1063.JPG	NE Vault Area, Feature 10, West Profile	W
City_Hall_20100909_1064.JPG	NE Vault Area, Feature 10, southern end where it abuts F.8 Well	S
City_Hall_20100909_1065.JPG	NE Vault Area, Feature 10, southern end where it abuts F.8 Well	S
City_Hall_20100909_1066.JPG	Breezeway, Feature 23 Plan View	S
City_Hall_20100910_1067.JPG	Breezeway, Feature 24 Plan View	S
City_Hall_20100910_1068.JPG	Breezeway, Feature 24 Plan View	S
City_Hall_20100913_1069.JPG	Breezeway, Feature 24, excavation	S
City_Hall_20100913_1070.JPG	Breezeway, Feature 23 excavation	SW
City_Hall_20100913_1071.JPG	Bridewell Historical Marker	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100913_1072.JPG	Breezeway, Excavations	W
City_Hall_20100914_1073.JPG	Breezeway, Excavations	W
City_Hall_20100914_1074.JPG	Breezeway, Feature 22 Excavations	S
City_Hall_20100914_1075.JPG	Breezeway, Excavations	
City_Hall_20100914_1076.JPG	Breezeway, Excavations, near F. 24. and F. 2	W
City_Hall_20100914_1077.JPG	Breezeway, Feature 23 Plan View	S
City_Hall_20100915_1078.JPG	Breezeway, Feature 23 Plan View	S
City_Hall_20100915_1079.JPG	Breezeway, Feature 23 Plan View	S
City_Hall_20100915_1080.JPG	Breezeway, Feature 23 Plan View	S
City_Hall_20100915_1081.JPG	Breezeway, Feature 24 Plan View	S
City_Hall_20100915_1082.JPG	Breezeway, Feature 2 Plan View (southern edge)	S
City_Hall_20100915_1083.JPG	Pressed Brick "JJJ"	
City_Hall_20100915_1084.JPG	Breezeway, Feature 25, Plan View	S
City_Hall_20100920_1085.JPG	Breezeway, Feature 25, Plan View	S
City_Hall_20100920_1086.JPG	Breezeway, Feature 2, shovel test at southern edge	S
City_Hall_20100920_1087.JPG	Breezeway, Feature 2, Interior Profile	N
City_Hall_20100921_1088.JPG	Breezeway, Feature 23, West end	E
City_Hall_20100921_1089.JPG	Breezeway, Feature 2 and City Hall Footer	
City_Hall_20100921_1090.JPG	Breezeway, Feature 2, Interior Profile	
City_Hall_20100921_1091.JPG	Breezeway, Feature 2, Interior Profile	
City_Hall_20100922_1092.JPG	Breezeway, Feature 2, bricks removed from south edge	
City_Hall_20100922_1093.JPG	Feature 2, Bottom of Cistern	N
City_Hall_20100922_1094.JPG	Feature 2, Bottom of Cistern	N
City_Hall_20100922_1095.JPG	Feature 2, Interior Profile and bottom of cistern	W
City_Hall_20100922_1096.JPG	Feature 2, Interior Profile and bottom of cistern	NW
City_Hall_20100922_1097.JPG	Feature 2, Bottom of Cistern	N
City_Hall_20100922_1098.JPG	Feature 2, profile of cistern floor, stone above brick and mortar	N
City_Hall_20100922_1099.JPG	Feature 2, profile of cistern floor, stone above brick and mortar	N
City_Hall_20100922_1100.JPG	Feature 2, Interior profile and plan view of cistern floor and City Hall footer	W
City_Hall_20100922_1101.JPG	Feature 2, Cistern, Exterior Profile, West Edge	N
City_Hall_20100923_1102.JPG	Feature 2, Cistern, Exterior Profile, West Edge	N
City_Hall_20100923_1103.JPG	Profile of City Hall Footer	S
City_Hall_20100923_1104.JPG	Feature 26, Breezeway, North Profile	NE
City_Hall_20100923_1105.JPG	Feature 26, Breezeway, North Profile	NE
City_Hall_20100923_1106.JPG	Feature 26, Breezeway, North Profile, zoomed	N
City_Hall_20100923_1107.JPG	Feature 26, Breezeway, North Profile, zoomed	N

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100923_1108.JPG	Feature 26, Breezeway, North Profile, zoomed	N
City_Hall_20100923_1109.JPG	Feature 26, Breezeway, North Profile	N
City_Hall_20100923_1110.JPG	Feature 26, Breezeway, North Profile	NW
City_Hall_20100923_1111.JPG	Feature 26, Breezeway, North Profile, zoomed	N
City_Hall_20100923_1112.JPG	Feature 26, Breezeway, North Profile, zoomed	NW
City_Hall_20100923_1113.JPG	Feature 26, Breezeway, North Profile, 2 sections	NW
City_Hall_20100923_1114.JPG	Feature 27 Plan View	W
City_Hall_20100924_1115.JPG	Feature 27 Plan View	W
City_Hall_20100924_1116.JPG	Feature 27 Plan View	S
City_Hall_20100924_1117.JPG	Feature 27, excavation	W
City_Hall_20100924_1118.JPG	Feature 27 Plan View, in progress	N
City_Hall_20100924_1119.JPG	Feature 27, excavation	S
City_Hall_20100924_1120.JPG	Feature 27 Plan View, in progress	S
City_Hall_20100924_1121.JPG	Feature 27 Plan View, in progress	S
City_Hall_20100924_1122.JPG	Feature 28, plan view in progress	E
City_Hall_20100924_1123.JPG	Feature 28, plan view in progress, zoom in on artifacts	E
City_Hall_20100924_1124.JPG	Feature 28, excavation	W
City_Hall_20100924_1125.JPG	Artifacts, slip trailed redware plates, tin enameled delft ware, animal tooth, pipe bowl	
City_Hall_20100924_1126.JPG	Artifact, pipe bowl	
City_Hall_20100924_1127.JPG	Artifact, green shell edge pearlware plate, blue hand painted ceramic	
City_Hall_20100924_1128.JPG	Feature 28, excavation	N
City_Hall_20100924_1129.JPG	Artifact, green shell edge pearlware plate, blue hand painted ceramic, polychrome painted pearlware	
City_Hall_20100924_1130.JPG	Feature 28, screening	W
City_Hall_20100924_1131.JPG	Feature 28, screening	W
City_Hall_20100924_1132.JPG	Artifact, large mammal teeth and jaw	
City_Hall_20100924_1133.JPG	Artifact, ceramic handle	
City_Hall_20100924_1134.JPG	Artifacts, blue hand painted pearlware and hand painted porcelain	
City_Hall_20100924_1135.JPG	Artifact, blue hand painted porcelain saucer/bowl	
City_Hall_20100924_1136.JPG	Artifact, various mammal bone fragments	
City_Hall_20100924_1137.JPG	Artifact, polychrome painted pearlware	
City_Hall_20100924_1138.JPG	Artifact, lead glazed redware	
City_Hall_20100924_1139.JPG	Artifacts, Creamware, pearlware, porcelain, mocha artifacts	
City_Hall_20100924_1140.JPG	Artifacts, various	
City_Hall_20100924_1141.JPG	Feature 28, plan view in progress	S
City_Hall_20100925_1142.JPG	Feature 28, pipe bowl in situ	
City_Hall_20100925_1143.JPG	Feature 28, plan view in progress	S

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20100925_1144.JPG	Feature 28, artifacts in situ	
City_Hall_20100925_1145.JPG	Feature 28, artifacts in situ	
City_Hall_20100925_1146.JPG	Feature 28, plan view in progress	SE
City_Hall_20100925_1147.JPG	NE Vault Area, Feature 9 and 10, deconstruction	N
City_Hall_20100928_1148.JPG	NE Vault Area, Feature 9 and 10, deconstruction	W
City_Hall_20100928_1149.JPG	Feature 28, plan view in progress	N
City_Hall_20100929_1150.JPG	Feature 28 excavation	N
City_Hall_20100929_1151.JPG	Feature 28 excavation	E
City_Hall_20100929_1152.JPG	Feature 28, east profile in progress	E
City_Hall_20100929_1153.JPG	Feature 28, NW section, Southern Profile	S
City_Hall_20100929_1154.JPG	Feature 28, NW section, East Profile	E
City_Hall_20100929_1155.JPG	Feature 28, profile mapping	N
City_Hall_20100929_1156.JPG	Feature 28, NW section, East Profile	E
City_Hall_20100929_1157.JPG	Feature 28 excavation	E
City_Hall_20100929_1158.JPG	Artifact, Slip trailed redware	
City_Hall_20100929_1159.JPG	Artifacts, Glass vial and wine/shot glass	
City_Hall_20100929_1160.JPG	Artifact, marked pipe stem "R MORGAN LIVERPOOL"	
City_Hall_20100929_1161.JPG	Artifact, Hand painted porcelain teacup	
City_Hall_20100929_1162.JPG	Artifact, Hand painted porcelain teacup	
City_Hall_20100929_1163.JPG	Artifact, blue hand painted pearlware	
City_Hall_20100929_1164.JPG	Feature 28, N central section, excavation	N
City_Hall_20100929_1165.JPG	Feature 28, N central section, excavation	E
City_Hall_20100929_1166.JPG	Artifact, Rhennish grey salt glazed stoneware	
City_Hall_20100929_1167.JPG	Feature 28, NW section, excavation	SW
City_Hall_20101005_1168.JPG	Feature 28, NW section, Western profile in progress	W
City_Hall_20101005_1169.JPG	Feature 28, NW section, southern profile in progress	S
City_Hall_20101005_1170.JPG	Feature 28, NW section, eastern profile in progress	E
City_Hall_20101005_1171.JPG	Historical documents found during City Hall construction	
City_Hall_20101005_1172.JPG	Historical documents found during City Hall construction	
City_Hall_20101005_1173.JPG	Historical documents found during City Hall demolition	
City_Hall_20101005_1174.JPG	Feature 28, NW section, southern profile in construction	S
City_Hall_20101006_1175.JPG	Feature 28, (both sections) southern profile in progress	S
City_Hall_20101006_1176.JPG	Feature 28, (both sections) southern profile in progress	
City_Hall_20101006_1177.JPG	Feature 28, NW and N Central section, south profile	S

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20101006_1178.JPG	Artifact, marked pipe stem "R MORGAN LIVERPOOL"	
City_Hall_20101007_1179.JPG	Artifact, pipe bowl	
City_Hall_20101007_1180.JPG	Artifact, pipe bowl	
City_Hall_20101007_1181.JPG	Artifact, masonic pipe bowl	
City_Hall_20101007_1182.JPG	Artifact, masonic pipe bowl	
City_Hall_20101007_1183.JPG	Artifact, masonic pipe bowl	
City_Hall_20101007_1184.JPG	Artifact, pipe bowl	
City_Hall_20101007_1185.JPG	Artifact, pipe bowl	
City_Hall_20101007_1186.JPG	Artifact, marked pipe bowl	
City_Hall_20101007_1187.JPG	Artifact, pipe bowl	
City_Hall_20101007_1188.JPG	Artifact, bone buttons	
City_Hall_20101007_1189.JPG	Artifact, bone buttons	
City_Hall_20101007_1190.JPG	Artifact, small glass vial	
City_Hall_20101007_1191.JPG	Artifact, small glass vial	
City_Hall_20101007_1192.JPG	Artifact, bone lice comb	
City_Hall_20101007_1193.JPG	Artifact, bone lice comb	
City_Hall_20101007_1194.JPG	Artifact, bone button front view	
City_Hall_20101007_1195.JPG	Artifact, bone button back view	
City_Hall_20101007_1196.JPG	Artifact, slip trailed redware plate, grey salt glazed stoneware jug	
City_Hall_20101007_1197.JPG	Artifacts, slip trailed redware	
City_Hall_20101007_1198.JPG	Artifacts, rhennish grey salt glazed stoneware	
City_Hall_20101007_1199.JPG	Artifact, hand painted porcelain, Chinese motif	
City_Hall_20101007_1200.JPG	Artifacts, slip trailed redware	
City_Hall_20101007_1201.JPG	Artifacts, slip trailed redware	
City_Hall_20101007_1202.JPG	Artifacts, slip trailed redware	
City_Hall_20101007_1203.JPG	Artifact, glazed redware vessel, possibly egg cup? Exterior	
City_Hall_20101007_1204.JPG	Artifact, glazed redware vessel, possibly egg cup? Interior	
City_Hall_20101007_1205.JPG	Artifact, hand painted porcelain teacup, Chinese motif	
City_Hall_20101007_1206.JPG	Artifact, hand painted porcelain teacup, Chinese motif	
City_Hall_20101007_1207.JPG	Artifact, hand painted porcelain teacup, Chinese motif, interior	
City_Hall_20101007_1208.JPG	Artifact, hand painted porcelain teacup, Chinese motif, interior	
City_Hall_20101007_1209.JPG	Artifact, pearlware base	
City_Hall_20101007_1210.JPG	Artifact, pearlware base	
City_Hall_20101007_1211.JPG	Artifacts, rhennish grey salt glazed stoneware	
City_Hall_20101007_1212.JPG	Artifacts, grey salt glazed stoneware jug	
City_Hall_20101007_1213.JPG	Artifacts, grey salt glazed stoneware jug	
City_Hall_20101007_1214.JPG	Artifacts, grey salt glazed stoneware jug, marking on base	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20101007_1215.JPG	Artifact, bone handle of utensil, crosshatched	
City_Hall_20101007_1216.JPG	Artifacts, various ceramic artifacts from excavations	
City_Hall_20101007_1217.JPG	Artifacts, various ceramic artifacts from excavations	
City_Hall_20101007_1218.JPG	Artifacts, slip trailed redware	
City_Hall_20101007_1219.JPG	Artifacts, various artifacts from excavations	
City_Hall_20101007_1220.JPG	Artifacts, various slip trailed redware	
City_Hall_20101007_1221.JPG	Artifacts, various artifacts from excavations	
City_Hall_20101007_1222.JPG	Artifacts, dipt pearlware with impressed circles	
City_Hall_20101007_1223.JPG	Feature 29 North, South wall profile	S
City_Hall_20101011_1224.JPG	Feature 29, plan view	N
City_Hall_20101013_1225.JPG	Feature 29 N Central excavation and Feature 29, expanded plan view	W
City_Hall_20101013_1226.JPG	Feature 29 and Feature 29, expanded plan view	W
City_Hall_20101013_1227.JPG	Feature 28 N Central, East Profile in progress	E
City_Hall_20101013_1228.JPG	Feature 28 N Central, East Profile in progress	E
City_Hall_20101013_1229.JPG	30' x 30' manhole, Feature 28 N Central, excavations	N
City_Hall_20101014_1230.JPG	30' x 30' manhole, Feature 28 N Central, excavations	N
City_Hall_20101014_1231.JPG	30' x 30' manhole, Feature 28 N Central, excavations	N
City_Hall_20101014_1232.JPG	30' x 30' manhole, Feature 28 N Central, screening	E
City_Hall_20101014_1233.JPG	Artifacts, various artifacts from F 28	
City_Hall_20101014_1234.JPG	Artifacts, various animal bones, ceramics	
City_Hall_20101014_1235.JPG	Artifacts, various ceramic artifacts	
City_Hall_20101014_1236.JPG	Artifact, black transfer printed creamware	
City_Hall_20101014_1237.JPG	Artifact, "666" marked pipe bowl	
City_Hall_20101014_1238.JPG	Artifact, ceramic	
City_Hall_20101014_1239.JPG	Artifact, brown printed teacup with sea shell decoration	
City_Hall_20101014_1240.JPG	Feature 28 N Central, East Wall Profile, base of level 2	E
City_Hall_20101014_1241.JPG	Feature 28 N Central, East Wall Profile, base of level 2	E
City_Hall_20101014_1242.JPG	Feature 28 N Central, excavations continued	N
City_Hall_20101015_1243.JPG	Feature 28 N Central, excavations continued	N
City_Hall_20101015_1244.JPG	Feature 28 N Central, base of excavation	S
City_Hall_20101015_1245.JPG	Feature 28 N Central, East Wall Profile, showing levels 2, 3, 4	E
City_Hall_20101015_1246.JPG	Feature 28 N Central, East Wall Profile, showing levels 2, 3, 4	E
City_Hall_20101015_1247.JPG	Feature 28 N Central, South Wall Profile	S
City_Hall_20101015_1248.JPG	Feature 28 N Central, closing plan view	N

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20101015_1249.JPG	Artifact, polychrome painted pearlware	
City_Hall_20101016_1250.JPG	Feature 28 N Central, closing plan view	E
City_Hall_20101016_1251.JPG	Feature 28, NW, in progress	N
City_Hall_20101016_1252.JPG	Feature 28, NW, in progress	N
City_Hall_20101016_1253.JPG	Feature 28 N Central, East Wall Profile, showing levels 2, 3, 4	E
City_Hall_20101016_1254.JPG	Artifact, bone syringe or douche	
City_Hall_20101018_1255.JPG	Artifact, bone syringe or douche	
City_Hall_20101018_1256.JPG	Artifact, lead glazed redware object	
City_Hall_20101018_1257.JPG	Artifact, lead glazed redware object	
City_Hall_20101018_1258.JPG	Artifacts, various artifacts in situ (F 29?)	
City_Hall_20101018_1259.JPG	Feature 28 NE, excavation	E
City_Hall_20101018_1260.JPG	Feature 28 NE, excavated	E
City_Hall_20101018_1261.JPG	Feature 28 NE, closing plan view	E
City_Hall_20101018_1262.JPG	Feature 28 NE, south wall profile	S
City_Hall_20101018_1263.JPG	Feature 28 NE, closing plan view and south wall profile	SE
City_Hall_20101018_1264.JPG	Feature 29 South wall profile	S
City_Hall_20101019_1265.JPG	Feature 29 South wall profile	S
City_Hall_20101019_1266.JPG	Feature 29, east wall profile	
City_Hall_20101019_1267.JPG	NE Vault Area, Feature 11, French drain plan view	N
City_Hall_20101020_1268.JPG	NE Vault Area, Feature 11, French drain plan view	N
City_Hall_20101020_1269.JPG	NE Vault Area, Feature 11, French drain plan view	E
City_Hall_20101020_1270.JPG	NE Vault Area, Feature 11, French drain plan view	W
City_Hall_20101020_1271.JPG	NE Vault Area, Feature 11, French drain North Profile	N
City_Hall_20101020_1272.JPG	NE Vault Area, Feature 11, French drain North Profile	N
City_Hall_20101020_1273.JPG	NE Vault Area, Feature 11, French drain North Profile	N
City_Hall_20101020_1274.JPG	NE Vault Area, Feature 9, French drain plan view	NE
City_Hall_20101020_1275.JPG	30'x30' Manhole, excavations (f 29??)	NE
City_Hall_20101021_1276.JPG	Ceramic utility pipe	
City_Hall_20101021_1277.JPG	Artifacts, Pressed brick in situ "---ckway"	
City_Hall_20101021_1278.JPG	Artifacts, Pressed brick "---ckway"	
City_Hall_20101021_1279.JPG	South profile (either Feature 28 or 29, not sure)	
City_Hall_20101021_1280.JPG	South profile (either Feature 28 or 29, not sure)	
City_Hall_20101021_1281.JPG	Ceramic utility pipe	
City_Hall_20101021_1282.JPG	NE Vault Area, covered	S
City_Hall_20101102_1283.JPG	NE Vault Area, covered	SE
City_Hall_20101102_1284.JPG	Ne Vault Area, Brick Features covered for	SE

PHOTO	DESCRIPTION	DIRECTION
	construction activities	
City_Hall_20101108_1285.JPG	Ne Vault Area, Brick Features covered for construction activities	SW
City_Hall_20101108_1286.JPG	NE Vault Area, French Drain	
City_Hall_20101109_1287.JPG	NE Vault Area, Feature 8, 9 and 11, Plan view	N
City_Hall_20101109_1288.JPG	NE Vault Area, Feature 11, demo	N
City_Hall_20101109_1289.JPG	NE Vault Area, Feature 11, demo	N
City_Hall_20101109_1290.JPG	NE Vault Area Feature 3, Feature 3	N
City_Hall_20101109_1291.JPG	NE Vault Area Feature 4, Brick kitchen	NW
City_Hall_20101109_1292.JPG	NE Vault Area, Feature 2, Cistern	N
City_Hall_20101109_1293.JPG	NE Vault Area Feature 9, French Drain	W
City_Hall_20101109_1294.JPG	NE Vault Area, Brick Features	W
City_Hall_20101109_1295.JPG	NE Vault Area Feature 9, French Drain	NW
City_Hall_20101109_1296.JPG	NE Vault Area, Brick Features, overall plan view	E
City_Hall_20101109_1297.JPG	NE Vault Area, Brick Features, overall plan view	E
City_Hall_20101109_1298.JPG	NE Vault Area, Brick Features, overall plan view	W
City_Hall_20101109_1299.JPG	Manhole 2, large clay utility pipe	S
City_Hall_20101109_1300.JPG	Manhole 2, excavations	NW
City_Hall_20101110_1301.JPG	Manhole 2, possible well	N
City_Hall_20101110_1302.JPG	Manhole 2, possible well	N
City_Hall_20101110_1303.JPG	Manhole 2, stone well	SE
City_Hall_20101110_1304.JPG	Manhole 2, Feature 30 Plan view 1 with stone cap	W
City_Hall_20101110_1305.JPG	Manhole 2, Feature 30 Plan view 1 with stone cap	N
City_Hall_20101110_1306.JPG	Manhole 2, Feature 30, East profile, exterior wall	E
City_Hall_20101110_1307.JPG	Feature 30, stone cap removal	N
City_Hall_20101110_1308.JPG	Feature 30, stone cap removal	NW
City_Hall_20101110_1309.JPG	Feature 30, stone cap partially removed	NW
City_Hall_20101110_1310.JPG	Feature 30, stone cap removal	NW
City_Hall_20101110_1311.JPG	Feature 30, Stone cap removed	W
City_Hall_20101110_1312.JPG	Feature 30, Stone well, Plan view	S
City_Hall_20101111_1313.JPG	Feature 30, Stone well, Plan view	W
City_Hall_20101111_1314.JPG	Feature 30, Stone well, Plan view	N
City_Hall_20101111_1315.JPG	Feature 30, Stone well, Plan view	E
City_Hall_20101111_1316.JPG	Feature 30, opening excavations, bisection	NW
City_Hall_20101111_1317.JPG	Feature 30, excavation	N
City_Hall_20101111_1318.JPG	Feature 30, closing plan view, floor of well	
City_Hall_20101111_1319.JPG	Feature 30, closing plan view, floor of well	
City_Hall_20101111_1320.JPG	NE Vault Area, Brick Features, overall plan view	W
City_Hall_20101112_1321.JPG	NE Vault Area, Feature 8, 9, 11, plan view	N

PHOTO	DESCRIPTION	DIRECTION
	backfilled	
City_Hall_20101112_1322.JPG	NE Vault Area, Feature 8 and 11, plan view backfilled	NW
City_Hall_20101112_1323.JPG	NE Vault Area, Brick Features, overall plan view	NW
City_Hall_20101112_1324.JPG	NE Vault Area, Feature 8, 9, 11, overall plan view	E
City_Hall_20101112_1325.JPG	NE Vault Area, Brick Features, overall plan view	W
City_Hall_20101112_1326.JPG	NE Vault Area, Brick Features, overall plan view	W
City_Hall_20101112_1327.JPG	City Hall basement, original kitchen and fireplace hearth, construction activities	
City_Hall_20101112_1328.JPG	City Hall Basement, brick shaft	
City_Hall_20101112_1329.JPG	City Hall Basement, sealed fireplace and chimney, exposed	
City_Hall_20101112_1330.JPG	City Hall basement, sealed fireplace resealed	
City_Hall_20101112_1331.JPG	NE Vault Area, Chester Higgins photography of site Features	W
City_Hall_20101112_1332.JPG	NE Vault Area, Feature 1, 8, 9, 10, 11, overall plan view	SE
City_Hall_20101112_1333.JPG	NE Vault Area, Features 11 and 3	S
City_Hall_20101112_1334.JPG	NE Vault Area, Feature 1, 8, 9	SE
City_Hall_20101112_1335.JPG	NE Vault Area, Chester Higgins photography of site Features	SW
City_Hall_20101112_1336.JPG	NE Vault Area, Brick Features, Mapping	W
City_Hall_20101115_1337.JPG	Feature 9, removal of cap, excavate interior	E
City_Hall_20101115_1338.JPG	Feature 9, removal of cap, excavate interior	E
City_Hall_20101115_1339.JPG	Feature 9, southern wall removed, interior profile revealed	N
City_Hall_20101115_1340.JPG	Feature 9, southern wall removed, interior profile revealed	N
City_Hall_20101115_1341.JPG	Feature 9, southern wall removed, interior profile revealed	N
City_Hall_20101115_1342.JPG	Feature 9, southern wall removed, interior profile revealed	N
City_Hall_20101115_1343.JPG	Feature 9, pre-deconstruction	
City_Hall_20101115_1344.JPG	Feature 9, deconstruction	SW
City_Hall_20101115_1345.JPG	Feature 8 and 11	W
City_Hall_20101115_1346.JPG	Feature 10	NW
City_Hall_20101115_1347.JPG	Feature 10	W
City_Hall_20101115_1348.JPG	Feature 10, deconstruction	NW
City_Hall_20101115_1349.JPG	Feature 10, deconstruction and interior profile revealed	NW
City_Hall_20101115_1350.JPG	Feature 10, deconstruction and interior revealed	S
City_Hall_20101115_1351.JPG	Feature 8 and 10, abutment	N
City_Hall_20101115_1352.JPG	Feature 11, deconstruction	W
City_Hall_20101115_1353.JPG	Feature 11, deconstruction	W

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20101115_1354.JPG	Feature 11, deconstruction and interior revealed	S
City_Hall_20101115_1355.JPG	Feature 11, deconstruction and interior revealed	W
City_Hall_20101115_1356.JPG	Feature 11, deconstruction and interior revealed	W
City_Hall_20101115_1357.JPG	Feature 11, deconstruction and interior revealed	W
City_Hall_20101115_1358.JPG	Feature 11, deconstructed, stone floor remains	W
City_Hall_20101115_1359.JPG	Feature 11, deconstructed, stone floor remains	NW
City_Hall_20101115_1360.JPG	NE Vault Area, Soil Stain	N
City_Hall_20101115_1361.JPG	NE Vault Area, Soil Stain	N
City_Hall_20101115_1362.JPG	NE Vault Area, Soil Stain	E
City_Hall_20101115_1363.JPG	Artifact, Slip decorated ceramic	
City_Hall_20101115_1364.JPG	Artifact, chert gunflint	
City_Hall_20101116_1365.JPG	Feature 3 deconstruction	SW
City_Hall_20101116_1366.JPG	NE vault Area, brick Features removed, plan view	W
City_Hall_20101116_1367.JPG	Feature 34, Plan View	S
City_Hall_20101116_1368.JPG	Soil stain beneath Feature 3, Feature 3	S
City_Hall_20101117_1369.JPG	Soil stain beneath Feature 3, Feature 3	S
City_Hall_20101117_1370.JPG	NE Vault Area, Feature 34 and 35, Plan View	S
City_Hall_20101117_1371.JPG	NE Vault Area, Feature 34 and 35, mapping	E
City_Hall_20101117_1372.JPG	NE Vault Area, Feature 34 and 35, mapping	E
City_Hall_20101117_1373.JPG	Feature 34, South Profile	S
City_Hall_20101117_1374.JPG	Feature 35 Excavation	E
City_Hall_20101118_1375.JPG	Feature 35 closing plan view	S
City_Hall_20101118_1376.JPG	Feature 35 closing plan view	W
City_Hall_20101118_1377.JPG	Feature 35 closing plan view	S
City_Hall_20101118_1378.JPG	Feature 8, continued excavations	E
City_Hall_20101118_1379.JPG	Feature 8, interior cleaning	
City_Hall_20101119_1380.JPG	Feature 8, interior cleaning	
City_Hall_20101119_1381.JPG	Feature 8, interior cleaning	
City_Hall_20101119_1382.JPG	Feature 8, Strat 5, Plan View	N
City_Hall_20101119_1383.JPG	Feature 8, base of Feature	W
City_Hall_20101119_1384.JPG	Hand painted porcelain saucer	
City_Hall_20101201_1385.JPG	Hand painted porcelain saucer	
City_Hall_20101201_1386.JPG	Copper coin	
City_Hall_20101201_1387.JPG	Polychrome painted pearlware	
City_Hall_20101201_1388.JPG	Polychrome painted pearlware teacup	
City_Hall_20101201_1389.JPG	Polychrome painted pearlware teacup	
City_Hall_20101201_1390.JPG	creamware mug	
City_Hall_20101201_1391.JPG	creamware mug	
City_Hall_20101201_1392.JPG	Various artifacts	

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20101201_1393.JPG	Lead glazed redware object	
City_Hall_20101201_1394.JPG	Lead glazed redware object	
City_Hall_20101201_1395.JPG	Free blown glass medicine bottle	
City_Hall_20101201_1396.JPG	Feature 35, continued excavation	W
City_Hall_20101210_1397.JPG	Feature 35, continued excavation	S
City_Hall_20101210_1398.JPG	Feature 35 Plan view in progress	S
City_Hall_20101210_1399.JPG	Feature 36 plan view	W
City_Hall_20101210_1400.JPG	Feature 35, base of cistern, cleaning	SW
City_Hall_20101213_1401.JPG	Feature 35, base of cistern, plan view	S
City_Hall_20101213_1402.JPG	soil matrix around cistern	W
City_Hall_20101213_1403.JPG	City Hall interior, fretwork	
City_Hall_20110204_1404.JPG	City Hall interior, basement vault excavation	
City_Hall_20110204_1405.JPG	City Hall interior, basement vault excavation	
City_Hall_20110204_1406.JPG	City Hall interior, construction activities	
City_Hall_20110204_1407.JPG	City Hall interior, construction activities	
City_Hall_20110204_1408.JPG	City Hall interior, construction activities	
City_Hall_20110204_1409.JPG	City Hall interior, construction activities	
City_Hall_20110204_1410.JPG	City Hall interior, construction activities	
City_Hall_20110204_1411.JPG	East Path, construction activities	N
City_Hall_20110222_1412.JPG	NE Vault Area, construction activities	SW
City_Hall_20110222_1413.JPG	City Hall interior, new basement	
City_Hall_20110222_1414.JPG	City Hall interior, new basement	
City_Hall_20110222_1415.JPG	NE Vault Area excavated to level of sub-basement	S
City_Hall_20110314_1416.JPG	NE Vault Area excavated to level of sub-basement	SE
City_Hall_20110314_1417.JPG	Artifact, Pipe bowl with stem	
City_Hall_20110314_1418.JPG	NE Vault Area excavated to level of sub-basement	SW
City_Hall_20110404_1419.JPG	City Hall interior, new basement	
City_Hall_20110404_1420.JPG	City Hall interior, new basement	
City_Hall_20110404_1421.JPG	Manhole 3 extension, excavation	E
City_Hall_20110406_1422.JPG	Manhole 3 extension, possible tumbled stair Feature	W
City_Hall_20110406_1423.JPG	Manhole 3 extension, excavation and cleaning	N
City_Hall_20110406_1424.JPG	Manhole 3, micro-tunneling	N
City_Hall_20110406_1425.JPG	Manhole 3 extension, excavation and cleaning	N
City_Hall_20110406_1426.JPG	Manhole 3 extension, plan view	E
City_Hall_20110406_1427.JPG	Manhole 3 extension, plan view	W
City_Hall_20110406_1428.JPG	Manhole 3 extension, plan view	SW
City_Hall_20110406_1429.JPG	Manhole 3 extension, mapping	E
City_Hall_20110406_1430.JPG	Manhole 3 extension, possible stone stairs/wall	S
City_Hall_20110407_1431.JPG	Manhole 3 extension, possible stone	W

PHOTO	DESCRIPTION	DIRECTION
	stairs/wall	
City_Hall_20110407_1432.JPG	Manhole 3 extension, cleaning	W
City_Hall_20110407_1433.JPG	Manhole 3 extension, possible stone stairs/wall	NW
City_Hall_20110407_1434.JPG	Manhole 3 extension, possible stone stairs/wall	NW
City_Hall_20110407_1435.JPG	Manhole 3 extension, brick well and stone stairs/wall	W
City_Hall_20110407_1436.JPG	Manhole 3 extension, brick well	W
City_Hall_20110407_1437.JPG	Manhole 3 extension, brick well and drain	W
City_Hall_20110407_1438.JPG	Manhole 3 extension, plan view	W
City_Hall_20110407_1439.JPG	Manhole 3 extension, possible stone stairs/wall	W
City_Hall_20110407_1440.JPG	Manhole 3 extension, possible stone stairs/wall	NW
City_Hall_20110407_1441.JPG	Manhole 3 extension, North Profile	N
City_Hall_20110407_1442.JPG	Manhole 3 extension, drawing North Profile/wall	N
City_Hall_20110407_1443.JPG	Manhole 3 extension, drawing North Profile/wall	NW
City_Hall_20110407_1444.JPG	Manhole 3 extension, brick well/manhole	W
City_Hall_20110418_1445.JPG	Manhole 3 extension, brick well/manhole	N
City_Hall_20110418_1446.JPG	Manhole 3 extension, brick well/manhole	NE
City_Hall_20110419_1447.JPG	Manhole 3 extension, possible stone stairs/wall excavation	E
City_Hall_20110419_1448.JPG	Manhole 3 extension, possible stone stairs/wall excavation	S
City_Hall_20110419_1449.JPG	NE Vault Area, Micro tunneling	W
City_Hall_20110420_1450.JPG	Manhole 3 extension, brick well and stone stairs/wall	NW
City_Hall_20110420_1451.JPG	Manhole 3 extension, brick well and stone stairs/wall	W
City_Hall_20110420_1452.JPG	Manhole 3 extension, plan view	N
City_Hall_20110420_1453.JPG	Manhole 3 extension, brick well/manhole	N
City_Hall_20110420_1454.JPG	Manhole 3 extension, plan view	E
City_Hall_20110420_1455.JPG	Manhole 3 extension, plan view	
City_Hall_20110420_1456.JPG	Manhole 3 extension, possible stone stairs/wall	E
City_Hall_20110420_1457.JPG	Manhole 3 extension, brick well/manhole	W
City_Hall_20110420_1458.JPG	Manhole 3 extension, cap on brick well/manhole	W
City_Hall_20110420_1459.JPG	Manhole 3 extension, west profile	W
City_Hall_20110420_1460.JPG	Manhole 3 extension, brick well and drain at the base	SW
City_Hall_20110420_1461.JPG	Manhole 3 extension, North Profile	N
City_Hall_20110420_1462.JPG	Manhole 3 extension, North Profile	N
City_Hall_20110420_1463.JPG	Manhole 3 extension, brick well/manhole	S
City_Hall_20110420_1464.JPG	Manhole 3 extension, brick structure beneath stone wall/stairs	W

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20110421_1465.JPG	Manhole 3 extension, plan view	
City_Hall_20110421_1466.JPG	Manhole 3 extension, plan view	
City_Hall_20110421_1467.JPG	Manhole 3 extension, west profile	W
City_Hall_20110421_1468.JPG	Manhole 3 extension, plan view	N
City_Hall_20110421_1469.JPG	Manhole 3 extension, cleaning brick structure beneath stone wall/stairs	E
City_Hall_20110421_1470.JPG	Manhole 3 extension, brick structure beneath stone wall/stairs, plan view	W
City_Hall_20110421_1471.JPG	Manhole 3 extension, plan view	W
City_Hall_20110421_1472.JPG	Manhole 3 extension, brick structure beneath stone wall/stairs, plan view	
City_Hall_20110421_1473.JPG	Manhole 3 extension, cleaning brick structure beneath stone wall/stairs	E
City_Hall_20110421_1474.JPG	Manhole 3 extension, brick structure beneath stone wall/stairs, plan view	
City_Hall_20110421_1475.JPG	Manhole 3 extension, excavating brick structure beneath stone wall/stairs	
City_Hall_20110421_1476.JPG	Manhole 3 extension, excavating brick structure beneath stone wall/stairs	W
City_Hall_20110421_1477.JPG	Manhole 3 extension, plan view	S
City_Hall_20110421_1478.JPG	Manhole 3 extension, brick structure beneath stone wall/stairs, plan view	W
City_Hall_20110421_1479.JPG	Manhole 3 extension, brick structure beneath stone wall/stairs	
City_Hall_20110421_1480.JPG	Manhole 3 extension, profile of brick structure beneath stone wall/stairs	
City_Hall_20110421_1481.JPG	Manhole 3 extension, brick structure beneath stone wall/stairs, plan view	W
City_Hall_20110421_1482.JPG	Manhole 3 extension, profile of brick structure beneath stone wall/stairs and soil beneath	
City_Hall_20110421_1483.JPG	Manhole 3 extension, mapping	N
City_Hall_20110421_1484.JPG	Manhole 3 extension, brick manhole/well, drain removed	S
City_Hall_20110421_1485.JPG	Manhole 3 extension, brick manhole/well, drain removed	S
City_Hall_20110421_1486.JPG	Manhole 3 extension, deconstruction of stone stairs/well	W
City_Hall_20110425_1487.JPG	Manhole 3 extension, deconstruction of stone stairs/well	N
City_Hall_20110425_1488.JPG	Manhole 3 extension, deconstruction of stone stairs/well	N
City_Hall_20110425_1489.JPG	Manhole 2, stone well exterior exposed (f 30?)	
City_Hall_20110426_1490.JPG	Manhole 2, construction surrounding well (f 30?)	
City_Hall_20110426_1491.JPG	Manhole 3 extension, excavation	E
City_Hall_20110428_1492.JPG	Manhole 3 extension, excavation	N
City_Hall_20110428_1493.JPG	Manhole 3 extension, excavation	N
City_Hall_20110428_1494.JPG	Manhole 3 extension, stone wall	E
City_Hall_20110428_1495.JPG	Manhole 3 extension, mapping	N

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20110428_1496.JPG	Manhole 3 extension, stone wall, west profile	W
City_Hall_20110428_1497.JPG	Manhole 3 extension, stone wall, plan view	W
City_Hall_20110428_1498.JPG	Manhole 3 extension, plan view	S
City_Hall_20110502_1499.JPG	Manhole 3 extension, plan view	E
City_Hall_20110502_1500.JPG	Manhole 3 extension, excavation	S
City_Hall_20110503_1501.JPG	Manhole 3 extension, stone wall deconstruction	N
City_Hall_20110503_1502.JPG	Manhole 3 extension, shoring box	S
City_Hall_20110503_1503.JPG	Manhole 3 extension, shoring box and excavations	N
City_Hall_20110503_1504.JPG	Manhole 3 extension, shoring box and excavations/deconstruction of stone wall	NE
City_Hall_20110504_1505.JPG	Manhole 3 extension, shoring box and excavations/deconstruction of stone wall	W
City_Hall_20110504_1506.JPG	Manhole 3 extension, shoring box and excavations/deconstruction of stone wall	NE
City_Hall_20110504_1507.JPG	Manhole 3 extension, shoring box and excavations/deconstruction of stone wall	N
City_Hall_20110505_1508.JPG	Manhole 3 extension, shoring box and excavations/deconstruction of stone wall	
City_Hall_20110505_1509.JPG	Artifact, lustre decorated earthenware	
City_Hall_20110505_1510.JPG	Artifact, lustre decorated earthenware	
City_Hall_20110505_1511.JPG	Artifact, lustre decorated earthenware	
City_Hall_20110505_1512.JPG	Manhole 3 extension, shoring box and excavations/deconstruction of stone wall	S
City_Hall_20110505_1513.JPG	Manhole 3 extension, artifacts within stone wall area	
City_Hall_20110505_1514.JPG	Manhole 3 extension, collecting artifacts within stone wall area	
City_Hall_20110505_1515.JPG	Manhole 3 extension, collecting artifacts within stone wall area	
City_Hall_20110505_1516.JPG	Manhole 3 extension, artifacts within stone wall area	
City_Hall_20110505_1517.JPG	Manhole 3 extension, excavating artifacts within stone wall area	
City_Hall_20110505_1518.JPG	Manhole 3 extension, shoring box and excavations	
City_Hall_20110506_1519.JPG	Manhole 3 extension, indeterminate object	
City_Hall_20110506_1520.JPG	Manhole 3 extension, indeterminate object	
City_Hall_20110506_1521.JPG	Manhole 3 extension, indeterminate object	
City_Hall_20110506_1522.JPG	Manhole 3, Shoring Structure	
City_Hall_20110901_1523.JPG	Manhole 3, Soil anomaly	
City_Hall_20110901_1524.JPG	Soil anomaly beneath shoring	E
City_Hall_20110902_1525.JPG	North Breezeway excavated to sub-basement level	W
City_Hall_20110919_1526.JPG	East Path, Test Probes	
City_Hall_20110919_1527.JPG	East path, Test Probes, north profile	N
City_Hall_20110919_1528.JPG	East path, Test Probes, north profile	N
City_Hall_20110919_1529.JPG	East path, Test Probes, north profile	N

PHOTO	DESCRIPTION	DIRECTION
City_Hall_20110919_1530.JPG	East Path, Test Probes, South profile	S
City_Hall_20110920_1531.JPG	East Path, Test Probes, South profile	S
City_Hall_20110920_1532.JPG	East Path, Test Probes, west profile	W
City_Hall_20110920_1533.JPG	East path, Test Probes, north profile	N





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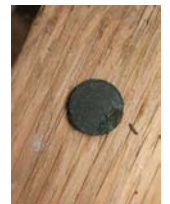
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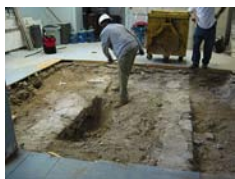
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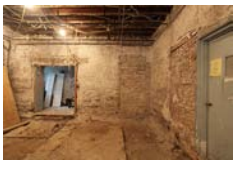
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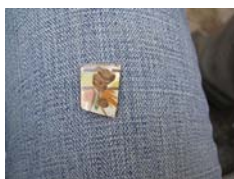
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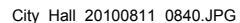
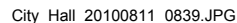
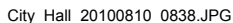
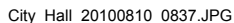
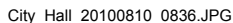
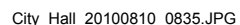
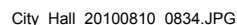
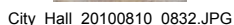
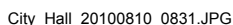
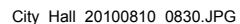
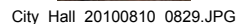
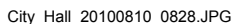
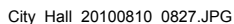
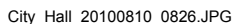
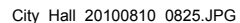
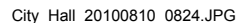
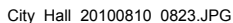
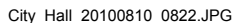
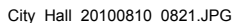
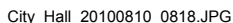
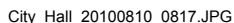
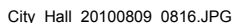
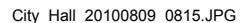
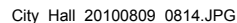
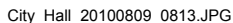
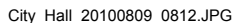
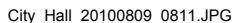
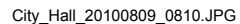
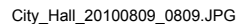
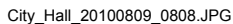
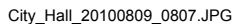
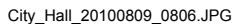
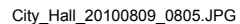
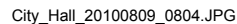
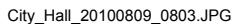
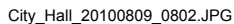
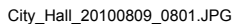
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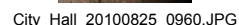
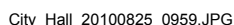
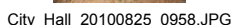
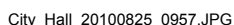
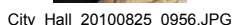
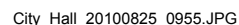
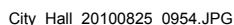
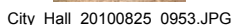
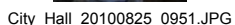
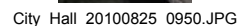
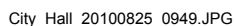
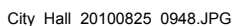
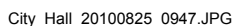
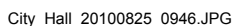
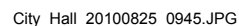
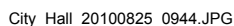
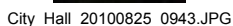
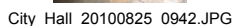
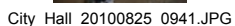
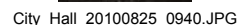
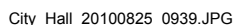
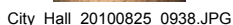
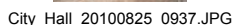
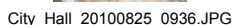
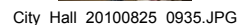
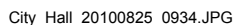
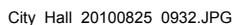
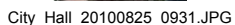
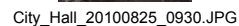
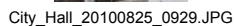
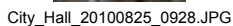
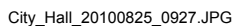
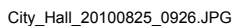
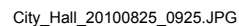
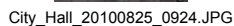
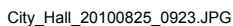
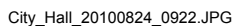
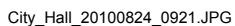
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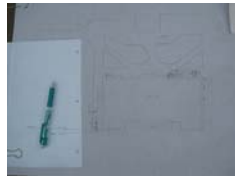
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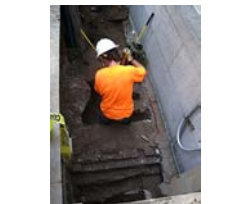
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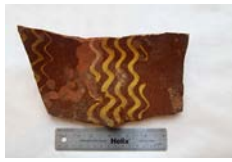
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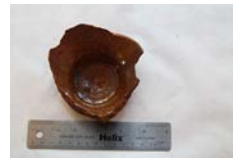
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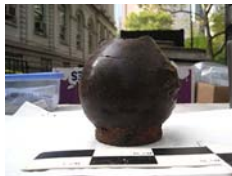
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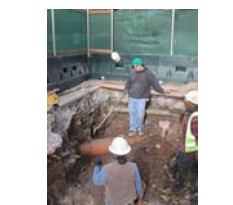
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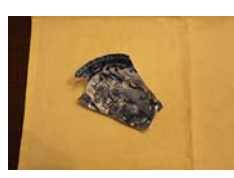
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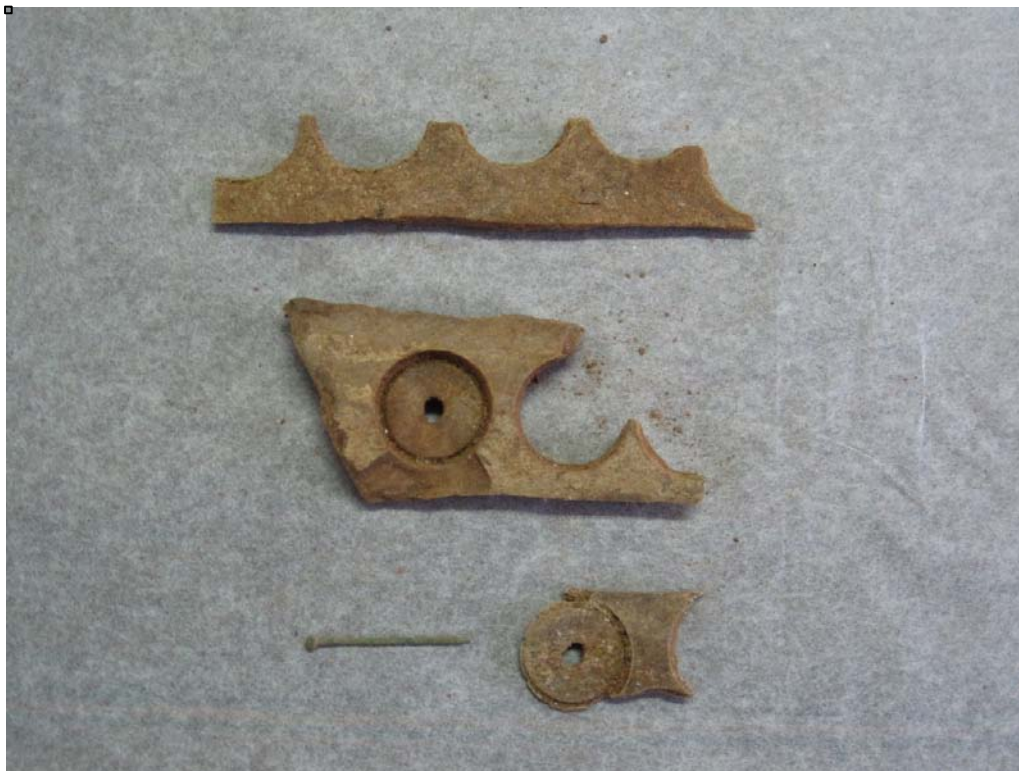


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City Hall Park
2010-2011 Excavation Report

Appendix H:

Additional Artifact Images



Bone button blanks and copper alloy pin.



Bone button blank, various metal buttons and a copper alloy pin.



Bone button blanks.



Bone button fragment, unfinished surface.



Bone button fragment, finished surface.



Bone buttons.



Button with bone back and stamped brass face.



Copper alloy domed button with rolled-edge.



Rubber "Goodyear's" button, ca. 1851.



Copper alloy regimental button, ca 1803.



Copper alloy coin, British half-penny.



Black marble and shell fragment.



Various bone buttons.



Various button types; including copper alloy, bone, and shell buttons.



Molded glass object and clay marble.



Belt buckle.



Copper alloy key.



Copper alloy pins.



Copper alloy spoon.



Copper alloy spoon.



Bayonet, pre-conservation.



Bayonet, post-conservation.



X-raying of coin.



Copper alloy half-penny; "Britannia 1746", post conservation.



George II half-penny, post conservation.



Copper alloy wire spectacle frames.



gunflint.



Bone, vaginal irrigator.



Bovine jaw with teeth attached.



Bone handle, cross-hatched.



Bone, vaginal irrigator.



Bone, fine-toothed comb.



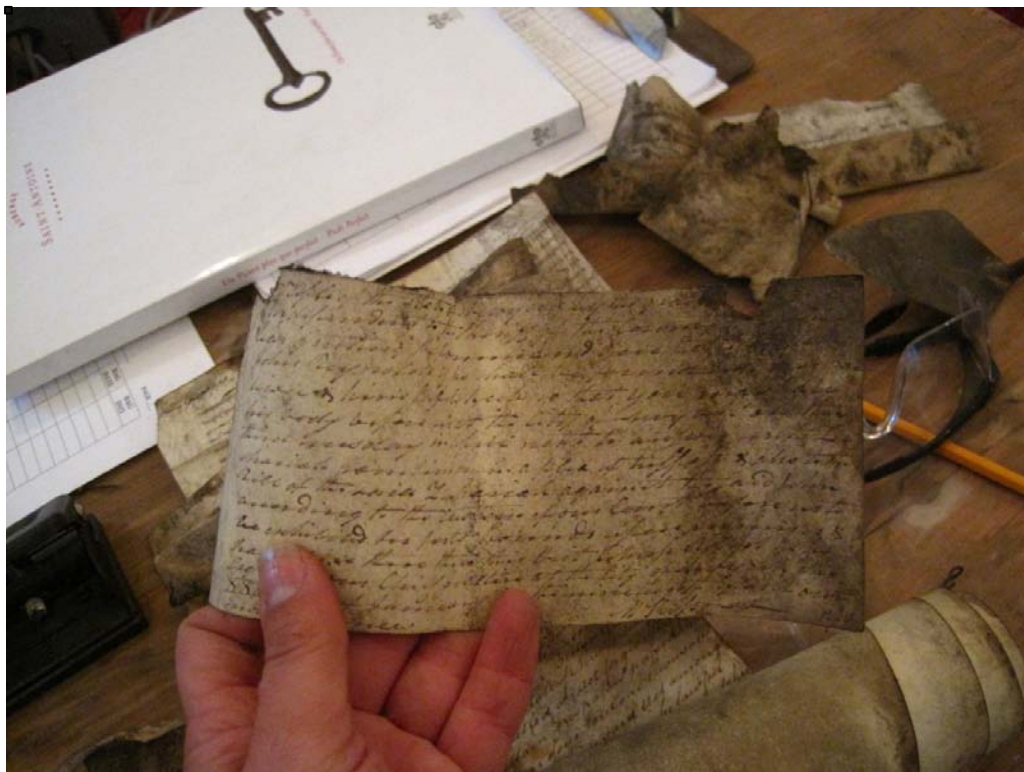
Bone, fine-toothed comb.



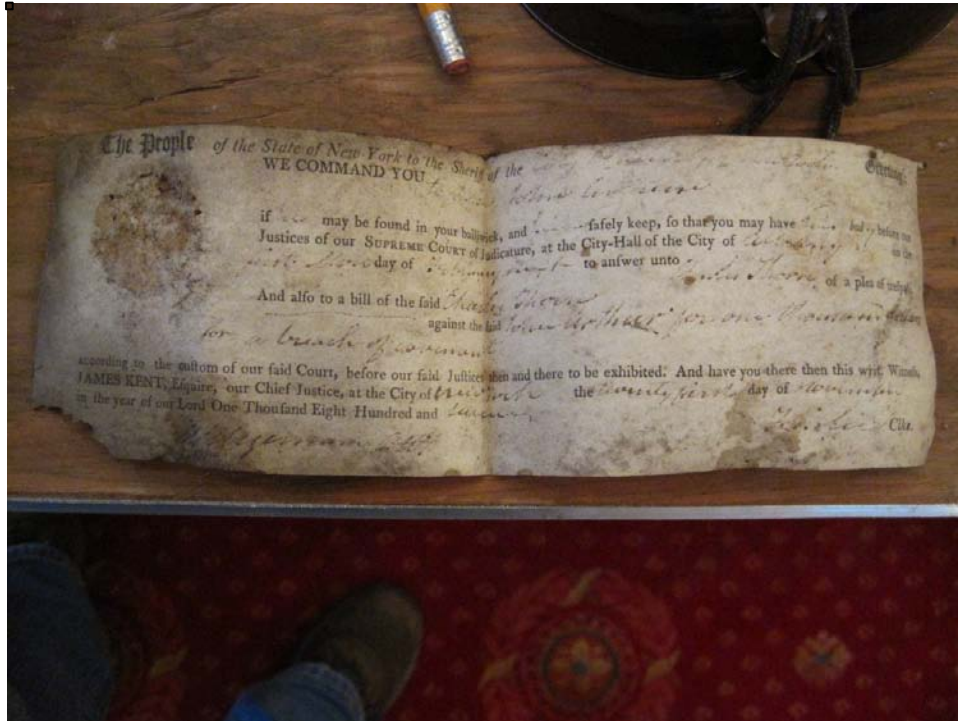
Bone handle with carved "X".



Bone handle with carved "X".



Antique documents found within City Hall.



Antique legal document found within City Hall.



Antique document found within City Hall.



Pressed brick sample, "D.F. & S".



Brick sample with curved end.



Clay smoking pipe with molded patterns on bowl.



Clay smoking pipe with molded patterns on bowl.



Clay pipe bowl with stamped harp.



Clay smoking pipe with molded patterns on bowl.



Clay smoking pipe with molded patterns on bowl.



Clay smoking pipe with molded patterns on bowl.



Clay smoking pipe with molded patterns on bowl.



Clay pipe bowl with molded stag head.



Clay pipe bowl with molded stag head.



Clay pipe bowl with molded stag head.



Clay pipe bowl with molded patterns.



Clay smoking pipe with molded patterns on bowl.



Clay pipe bowl with molded stag head.



Clay pipe bowl with molded masonic symbols.



Clay pipe bowl with molded masonic symbols.



Mouth blown glass vial.



Clay pipe bowl with molded masonic symbols.



Clay pipe stem, stamped "R. Morgan Liverpool".



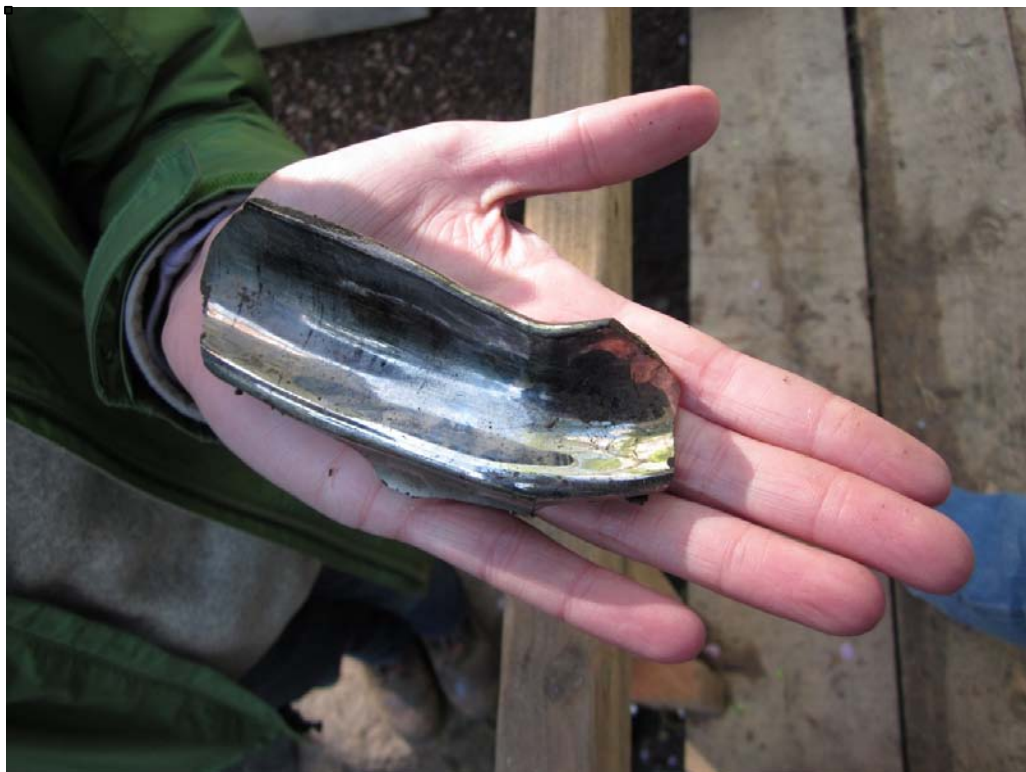
Mouth blown glass medicine bottle.



Mouth blown alcohol bottle fragment.



Mouth blown alcohol bottle fragment.



Refined earthenware, red-bodied with lustre finish.



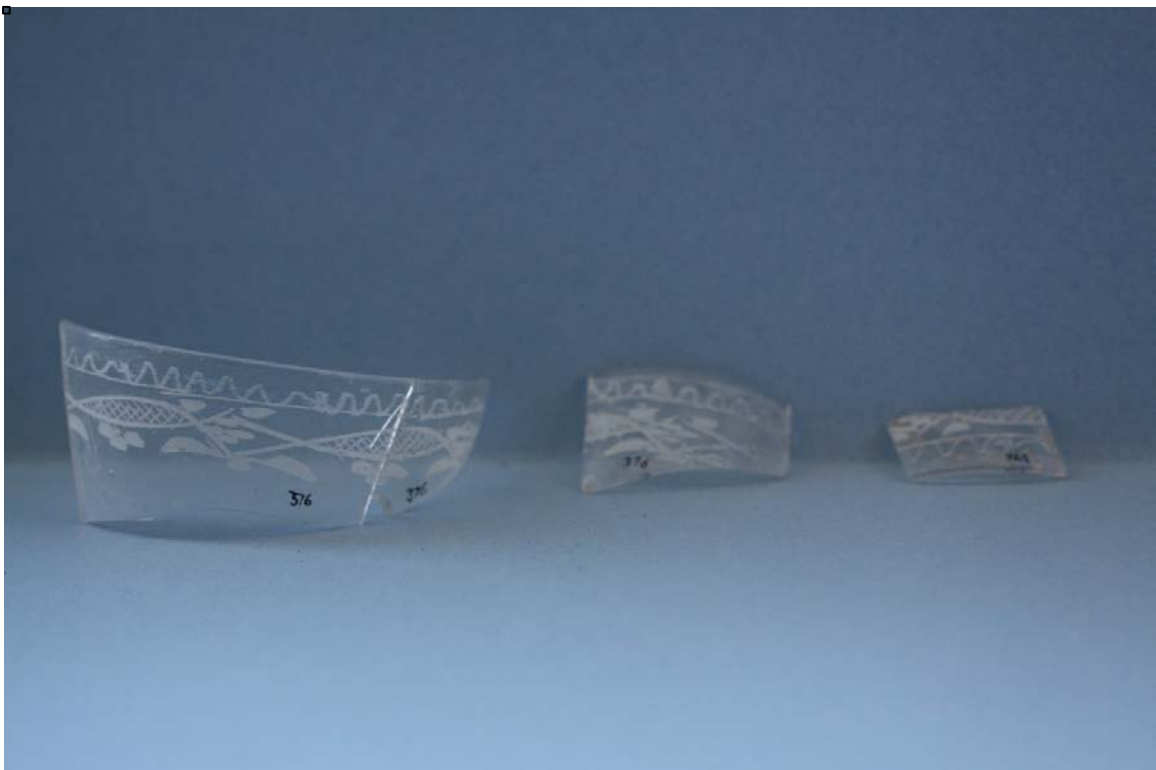
Clay pipe bowl with molded patterns.



Embossed glass medicine bottle (top) and glass tumbler (bottom).



Mold blown glass bottle fragment.



Engraved glass tumblers, Steigel type.



Engraved glass tumbler, Steigel Type.



Mold blown, glass medicine bottle.



Mold blown, glass bottle fragments.



Mold blown, glass bottle fragments.



Mold blown octagonal glass bottle.



Mold blown glass bottle fragments.



Glass bottle neck.



Glass stemware with engraved bowls.



Stoneware Preformed Kiln Pads.



Stoneware Preformed Kiln Pads.



Stoneware Preformed Kiln Pads.



Stoneware Preformed Kiln Pads.



Salt glazed stoneware chamber pot with incised and filled-in motif.



Underfired and Lightly Glazed Jar Rim.



Salt glazed stoneware chamber pot with incised and filled-in motif.



Salt glazed stoneware chamber pots with incised and filled-in motif.



Salt glazed stoneware kiln waster, possibly a lid or small dish, exterior.



Sherds from a salt-glazed stoneware mug with incised and filled-in motifs.



Salt glazed stoneware kiln waster, possibly a lid or small dish, interior.



Various decorated redware sherds.



Sherds from a British slipware pitcher with reverse color (white on dark) slip motif.



Sherds from a British slipware pitcher with reverse color (white on dark) slip motif.



Sherds from a British slipware pitcher with reverse color (white on dark) slip motif.



Slip-decorated red-bodied earthenware.



Redware bowl with brown glazed dot motif.



Salt-glazed stoneware with blue glazed dot motif.



Small "Philadelphia-Foot" Style Redware Bowl, exterior.



Small "Philadelphia-Foot" Style Redware Bowl, Interior.



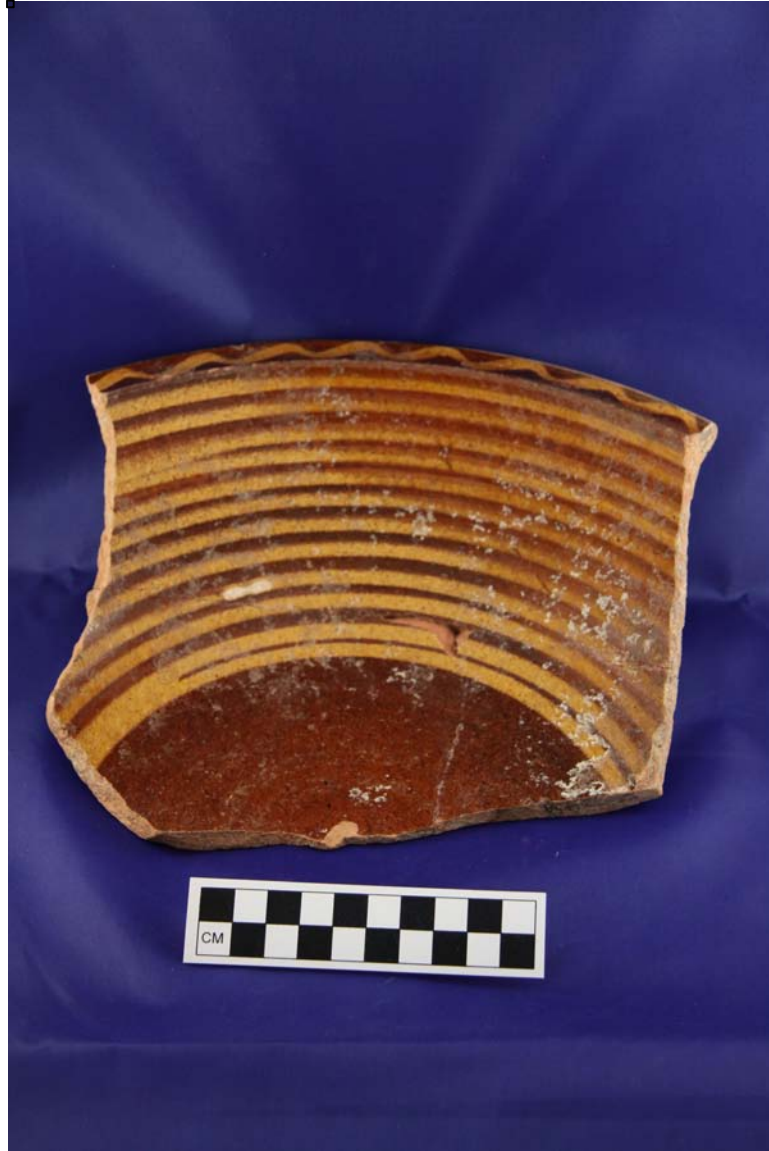
Slip decorated redware dish.



Slip decorated redware dish.



Slip decorated redware dish.



Slip decorated redware pan.



Slip decorated redware dish.



Redware vessel with combed bottom and marked "V".



Slip decorated redware dish.



Large redware bowl with rolled rim and internal wells.



Underglaze blue painted sherd.



Various ceramic sherds.



Polychrome painted bowl.



Polychrome painted sherd.



Chinese import porcelain.



Scratch-blue decorated teacup.



Pearlware sherds with dipt (slipped and turned) decoration.



Creamware punch bowl base with bat printed compass rose.



Pearlware mug with printed image of George Washington.



Hand painted pearlware plates.



Pearlware pitcher with dipt (slipped and turned) decoration.



Feather-edged creamware plate.



Painted teacup.



Polychrome painted teacup.



Blue hand-painted plate.



Blue edgeware plate.



Green edgeware plate.



Green edgeware plate.