

Phase II Archaeological Assessment of
Father Hennepin Bluff Park (21HE0527)
Minneapolis, Hennepin County, Minnesota



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FINAL Report
July 23, 2021

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Minneapolis, Hennepin County, Minnesota

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Management Summary

The Minneapolis Park & Recreation Board (MPRB) plans to make improvements and modifications to Father Hennepin Bluff Park (archaeological site 21HE0527) located along Main Street SE in Minneapolis, Minnesota. The approximately 3.8-acre project area is located at 420 Main Street SE in the N ½ of the SE ¼ of Section 23, Township 29N, Range 24W. The Park is bounded by Main Street SE to the northeast, 6th Avenue SE to the southeast, the Mississippi River to the southwest, and 3rd Avenue SE to the northwest and is within Archaeological Region 4s: Central Lakes Deciduous South. Planned park improvements include tree plantings, landscaping, a performance stage, and installation of new utilities.

Nienow Cultural Consultants LLC (NCC) completed a Phase Ia Archaeological Literature Review (Nienow and Sutherland 2019a) and a Phase Ib Archaeological Survey (Nienow and Sutherland 2019b) in 2019. These efforts revealed the potential for subsurface historical cultural resources dating as far back as the 1850s. Shovel testing identified large amounts of modern debris/fill overlaying natural soils in some locations along with potentially intact soils and archaeological features in others. A single prehistoric flake was identified during shovel testing, and the park was reported as site 21HE0527. NCC recommended additional targeted archaeology completed in places where future ground disturbance may take place.

The MPRB completed its design process and is proposing ground disturbing activities which include utility corridors, utility tie ins, underground infiltration areas, and a new park shelter. Some of these activities could impact archaeological features. The Minneapolis Heritage Preservation Commission required a Phase II archaeological assessment of applicable areas be completed and the MPRB contracted NCC to complete said assessment. NCC's Principal Investigator for this project was Jeremy Nienow, PhD., RPA. Fieldwork was completed between June 1-11, and 23 2021 and included unit excavation and shovel testing. Eleven shovel tests were completed along a utility corridor and an additional three as follow-up tests along Main Street. Shovel tests were typically 35-40 centimeters (cm) wide and between 50 and 125cm deep. Four test units (one 1x1m and three 1x2m) were completed at proposed infiltration areas. Test units were 1x1m or 1x2m and excavated to at least 95cmb. All soils were screened through ¼" mesh screen, detailed profile notes completed, photographs taken, and GPS points collected for each shovel test and unit.

Collectively, archaeological investigations documented significant impacts by 19th and 20th Century demolition, grading, and dumping episodes. The majority of the park has late 20th century fill layers over scattered 19th century demolition layers in place of absent A horizon soils (soil has been graded to the B horizon), as well as significant erosion along the bluff edge. However, along Main Street, NCC documented portions of two 19th century building foundations and pockets of buried, original A horizon. This soil could contain additional historic and prehistoric features. NCC recommends one infiltration area be moved off documented buried A horizon soils and all ground disturbing activities deeper than 80cmbgs (30in) be monitored during construction, especially in areas in close proximity to identified buried A horizon soils. An updated site form has been submitted to the Minnesota Office of the State Archaeologist (OSA) for site 21HE0527.

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1.0 INTRODUCTION

The Minneapolis Park & Recreation Board (MPRB) plans to make improvements and modifications to Father Hennepin Bluff Park (archaeological site 21HE0527) located along Main Street SE in Minneapolis, Minnesota. The approximately 3.8-acre project area is located at 420 Main Street SE in the N ½ of the SE ¼ of Section 23, Township 29N, Range 24W (Figure 1). The Park is bounded by Main Street SE to the northeast, 6th Avenue SE to the southeast, the Mississippi River to the southwest, and 3rd Avenue SE to the northwest and is within Archaeological Region 4s: Central Lakes Deciduous South. Planned park improvements include ornamental tree plantings, landscaped surface connected by concrete and asphalt paved walkways, a performance stage, landscape furniture, and the installation of new utilities (Figure 2).

Nienow Cultural Consultants LLC (NCC) previously completed a Phase Ia Archaeological Literature Review (Nienow and Sutherland 2019a) followed by a Phase Ib Archaeological Survey (Nienow and Sutherland 2019b) in 2019. Literature review revealed the potential for subsurface historical cultural resources in the park as far back as the 1850s. Completed shovel tests during initial archaeological survey identified large amounts of modern debris/fill overlaying graded, natural B Horizon soils in some locations along with potentially intact original A Horizon soils and archaeological features in others. A prehistoric flake was identified during shovel testing, and the park was reported as site 21HE0527. While the park's complex history of modern demolition, dumping, utility installation, and development have negatively impacted its potential eligibility to the National Register of Historic Places, NCC recommended additional targeted archaeology completed in places where future ground disturbance may take place. After the above-mentioned work, MPRB completed an additional design process and is now proposing several additional ground disturbing activities. These include the placement of new utility corridors, connections for new utility tie ins, underground infiltration areas, and a new park shelter. The new underground infiltration areas and newly proposed utility corridors could impact archaeological features.

The Minneapolis Heritage Preservation Commission, in granting a Certificate of Appropriateness at its May 18th meeting, required a Phase II archaeological assessment of applicable areas be completed and submitted to staff for review ahead of any construction or changes to the property. The MPRB contracted NCC to complete the assessment. NCC's project Principal Investigator was Jeremy Nienow, PhD., RPA. (MN OSA Phase II license 21-087, Appendix A). NCC subcontracted six individuals to assist in completing research, fieldwork, and lab processing for the project: Alex Hedquist (Hedquist Archaeological Consulting, LLC), Andrew Vang-Roberts (Vang-Roberts Consulting), Chris Rico (Rico Cultural Resource Management Services), Fred Sutherland (Sutherland Relics and Rust LLC), John Strot (John's Archaeological Consulting), and Laura Koski (Zooarchaeo Consulting). Investigation was guided by the Secretary of Interior's Standards and Guidelines for Archaeology and Historic Preservation (48FR44716), the State Historic Preservation Office's (SHPO) Manual for Archaeological Projects in Minnesota (Anfinson 2005), and the State Archaeologist's Manual for Archaeological Projects in Minnesota (Minnesota Office of the State Archaeologist 2011). Research and report preparation were accomplished by professional archaeologists meeting standards set forth in 35CFR61.

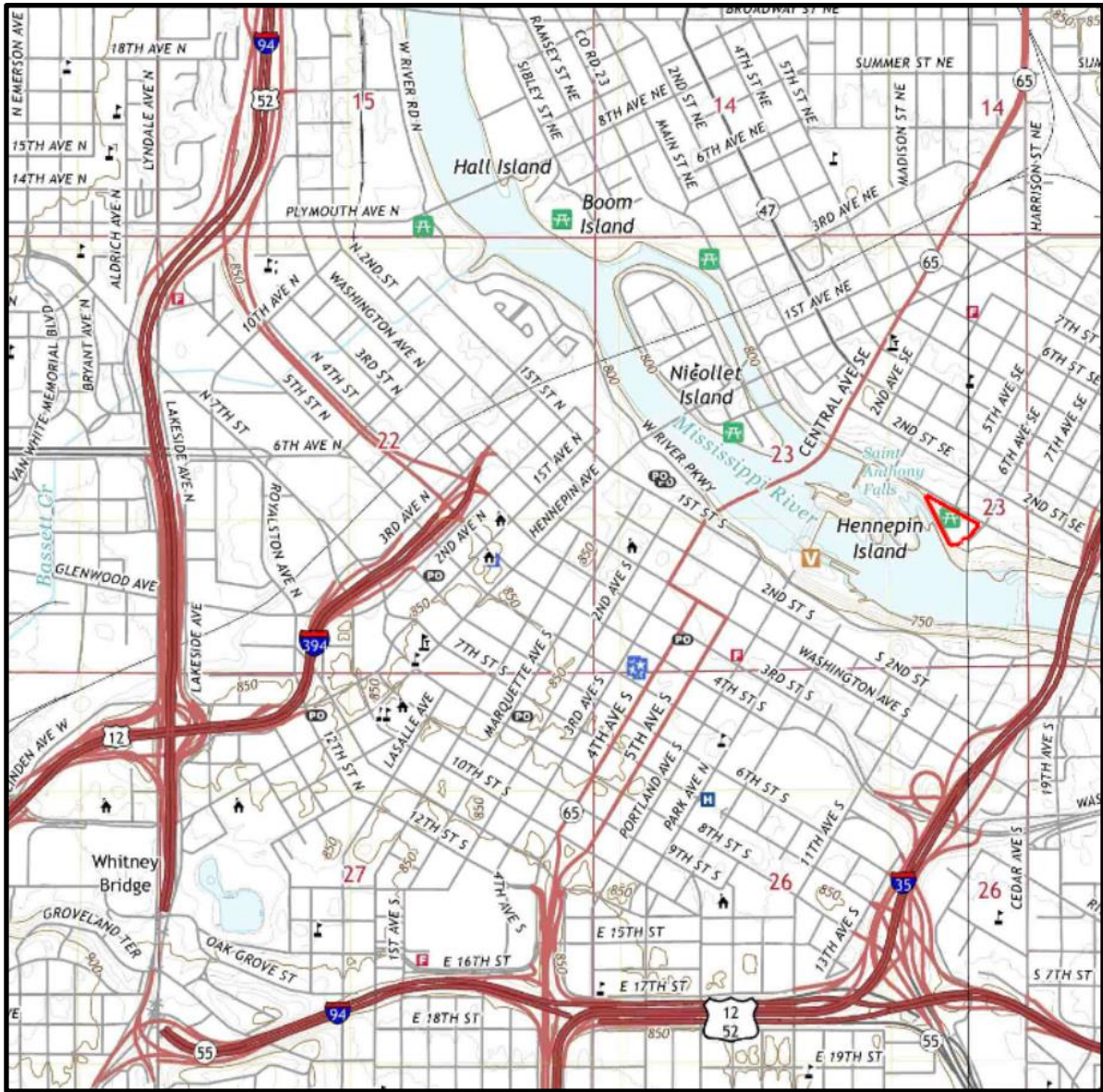


Figure 1: USGS Topographic Map Illustrating Project Area (red boundary).
 (USGS 7.5' Topographic Map, Minneapolis South Quadrangle, 2019, 1:24,000)

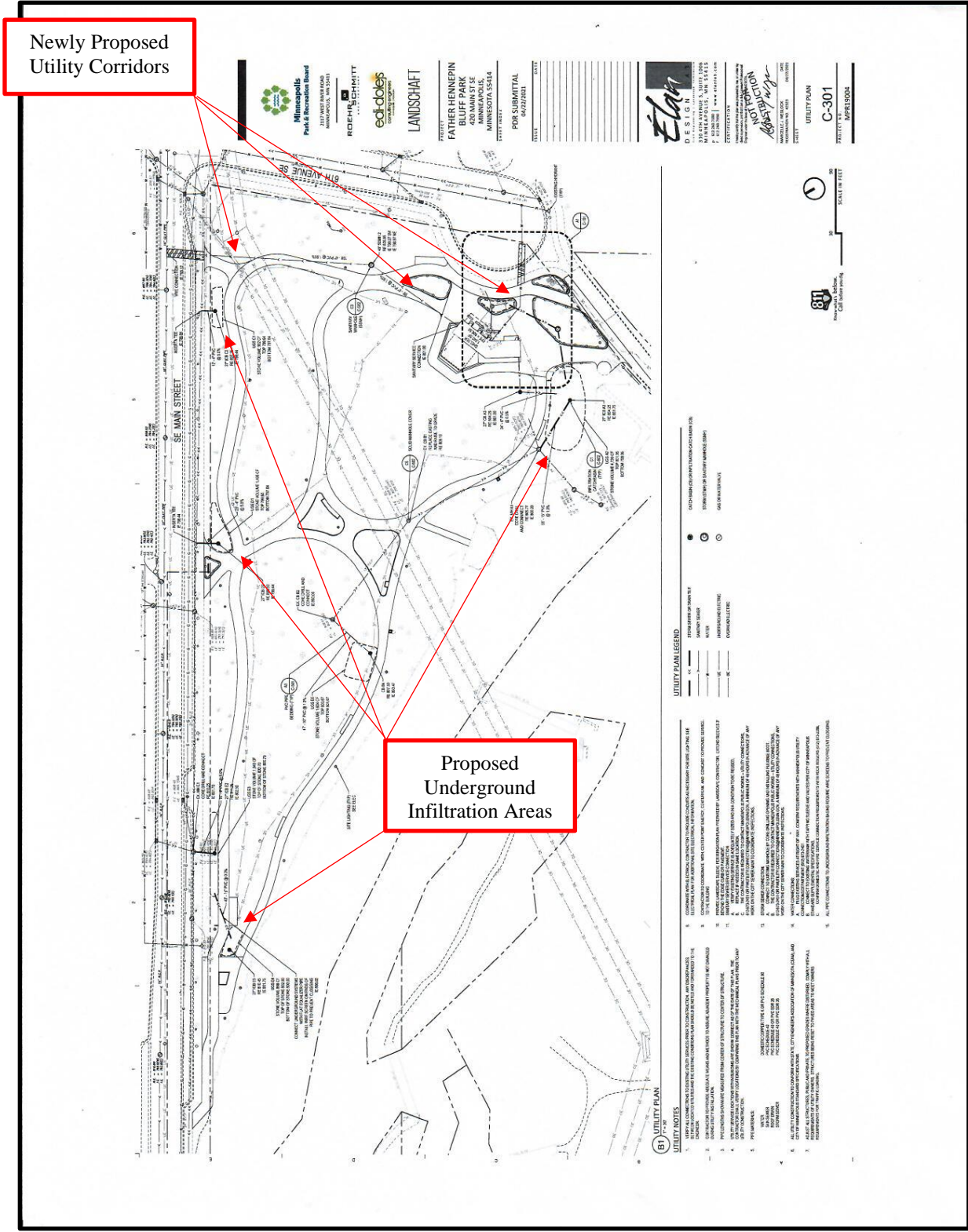


Figure 2: Sketch Plan of Project Area.
 (Provided by Minneapolis Parks & Recreation Board)

Fieldwork was completed between June 1 - 11, and 23, 2021 and included unit excavation and additional shovel testing. Eleven shovel tests were completed along a proposed utility corridor paralleling 6th Avenue with three additional shovel tests completed along Main Street, and four test units (one 1x1m and three 1x2m) were completed at the proposed underground infiltration areas. Shovel tests were typically 35-40 centimeters (cm) wide and between 50cm and 125cm deep. Test units were 1x1m or 1x2m and excavated to at least 95cmbs. All soils were screened through ¼” mesh screen, detailed profile notes completed, photographs taken, and GPS points collected for each shovel test and unit.

2.0 RESEARCH DESIGN AND METHODOLOGY

2.1 Literature Review

NCC completed a Phase Ia Literature Review in October of 2019 (Nienow and Sutherland 2019a). For that report, NCC began by reviewing archaeological site files located at the Minnesota State Historic Preservation Office (SHPO) and the digital archaeological site maps of known archaeological sites provided by the Minnesota Office of the State Archaeologist (OSA) within a five-block radius of the project area. Analysis of historical insurance maps of Minneapolis dating from 1861, 1872, 1885, 1912, 1914, and 1952 revealed a mixture of commercial and light industrial structures existed within the project area. Historic bird’s-eye representations of Minneapolis dating from 1867, 1879, 1885, and 1891 also provided a wide range of information about the surrounding landscape, construction materials used, and heights of structures. Aerial photography from flyovers in 1938, 1953, 1970, and 1993 provided meaningful information about the status of the project area during the last half of the 20th century. Lastly, a study of historic Minneapolis and St. Anthony directories from 1875-1887 were utilized to shed light on some of the properties within the project area.

2.2 Fieldwork

Phase II Fieldwork was completed on June 1 through 11, and 23, 2021 and included both unit excavation and additional shovel testing.

2.2.1 Shovel Testing

Shovel tests were placed in alignment with a proposed utility corridor along the southeastern edge of the park (Figure 2). Fourteen shovel tests were completed in total. A transect of eight shovel tests were completed along a 15-meter interval for the utility corridor. During testing, a single prehistoric flake was identified in Shovel Test 4, which led to the excavation of three additional bracketing shovel tests. After completion of Unit 4, an additional three shovel tests were placed to look for the buried A Horizon soils documented in that unit. All tests were typically 35-40 centimeters wide and excavated to 100cmbs deep unless interrupted by obstructions. All soils were screened through ¼” mesh screen, detailed profile notes completed, photographs taken, and GPS points collected for each shovel test.

2.2.2 Unit Excavation

Four units were excavated within the project area. These were placed to land within four of the five proposed underground infiltration areas (the four areas highlighted in Figure 2). The fifth infiltration area is planned in a location where no previously recorded non-extant structures once stood and was not considered a location of interest for this project. Of the four areas selected for testing, the northwesternmost area, while overlapping with the location of a previously identified non-extant structure, also overlaps with existing asphalt trail pavement. This obstruction caused the test unit to be moved approximately three meters east of the mapped historical structure location, resulting in this test unit being utilized as a control unit. Units within the three remaining proposed infiltration areas were positioned to run perpendicular to the walls of structures identified and GIS mapped during the Phase Ia. The control unit at the northwestern end of the park was excavated as a 1x1m, with remaining units excavated as 1x2m. Units were excavated in 5cm levels and at least 20cmbs into culturally sterile soils, ending at 95cmbs at the shallowest, to 150cmbs at the deepest.

2.3 Artifact Processing

The majority of artifacts encountered in the field were collected. However, modern materials (i.e. plastics) and structural materials (bituminous, brick, concrete, limestone, and mortar) were sampled. A total of 3,962 artifacts were collected during the Phase II excavation. Artifacts were bagged, lotted and described in field documentation during excavation, and brought back to the NCC lab for drying and storing at the end of each field day. Artifacts were cleaned by dry or wet brushing depending on object material type and condition. After processing, all artifacts were cataloged following the Minnesota Historical Society (MNHS) curation system to ease the process of curating and preparing select materials for donation to MNHS at the end of the project (as required by the OSA Phase II License). Each lot was photographed with individual diagnostic objects photographed separately and a culling protocol was established ahead of future, final curation.

3.0 ENVIRONMENTAL SETTING

3.1 Geological Background and Soils

In his 1990 publication *Archaeological Regions in Minnesota and the Woodland Period*, former State Archaeologist Scott Anfinson divides the state of Minnesota into nine environmental-archaeological regions based on natural resources available within each region. This classification allows archaeologists to research and analyze prehistoric environments in the state, as well as predict where archaeological sites may be located.

Father Hennepin Bluff Park falls within the southeastern portion of Anfinson's region 4s: Central Lakes Deciduous South Sub-Region. The region sits within east-central to central Minnesota, spanning Dakota to Becker Counties. Topographically, the region is a mixture of moraines, till plains, and outwash plains, and is heavily spotted with lakes, some over 30 meters (m) deep. Major rivers include

the Mississippi and Minnesota Rivers flowing along the western boundary of the region, and the St. Croix River along the region's eastern boundary. Streams draining the western part of the region flow in a western direction to the Red River (Anfinson 1990). River formation was the result of a complex glacial history including several episodes of advancing and retreating glacial lobes.

The Central Lakes Deciduous South Sub-Region is located directly east of the Mississippi River. The regional topography consists of moraines, glacial till, and outwash plains, as well as a large variety of lakes, streams, and wetlands (Gibbon et al. 2002). Average precipitation ranges from 22 to 28 inches. Average high winter temperatures range from 12 to 24 degrees Fahrenheit (F) while average high summer temperatures range from 78 to 82 degrees F. The frost-free season ranges from 140 to 160 days (Anfinson 1990).

Soils in the region reflect a diverse history of glacial and vegetation activity. Soil texture ranges from medium to coarse, with prairie soils more commonly found in the southern and western portions of the region and forest soils found mostly in the north and east portions (Anfinson 1990). Bedrock outcrops are mainly located along the region's central and eastern edge, and are comprised of mainly granite outcroppings along river banks (Gibbon et al. 2002).

All soil source material was deposited during the Wisconsin stage of the Pleistocene epoch. Two main types of glacial drift were deposited over the county when the Superior Lobe retreated from the area around 13,500 years ago. The Superior Lobe, which flowed into the area from the north, deposited coarse textured material, reddish brown in color, with pebbles of basalt, gabbro, and red sandstone. At a later date, the Grantsburg Sub-lobe, an extension of the Des Moines Lobe, advanced into Sherburne County. This lobe brought in what is commonly called "gray till" or "buff till." During the retreat of the Grantsburg Lobe around 12,500 years ago, the ice stagnated in the northern and eastern parts of the county and melt water left intermixed outwash gravel and sand from both of the previous lobes. Additionally, when the Grantsburg Lobe retreated westward, it uncovered the Mississippi Valley, and melt water from the wasting Des Moines Lobe filled the valley throughout the county with coarse alluvium, which underlies two broad terraces parallel to the Mississippi River. The sands in these areas are coarse in texture near the river and become increasingly finer in texture the further the distance from the river. In various places, it is underlain by strata of calcareous gravel, which was representative of what was found during the current archaeological survey (Grimes 1968).

Soils within the project area are divided between Urban land-Hubbard and Dorset soil formations. Both form on top of bedrock substratum and are found on stream terraces. The Urban land-Hubbard complex consists of excessively drained soils on 0 to 8 percent slopes found on stream terraces. The typical soil profile for the series consists of loamy sand from 0 to 58 inches, sand from 58 to 152 inches, and finally encounters bedrock at 152 inches. The Dorset complex consists of well drained soils on 25 to 65 percent slopes on escarpments on stream terraces. The typical soil profile for the series consists of sandy loam from 0 to 30 inches, followed by coarse sandy loam from 30 to 50 inches, then gravelly coarse sand from 50 to 68 inches, and finally bedrock at 152 inches (NRCS 2021).

3.2 Regional Flora and Fauna

Vegetation in the area at the time of Euro-American settlement consisted of Big Wood species in both the south and west portions of the region. Most specifically, the trees were deciduous hardwood species, primarily oak, mixed with deciduous-coniferous forest in the northern part of the region (Anfinson 1990) which also contained maple, basswood, and hickory. As Euro-American settlers moved through the area and cleared portions of forest, prairie land became more abundant. White-tailed deer, bison, elk, beaver, bear, prairie chickens, and a variety of fish and waterfowl would have been commonly available resources (Anfinson 1990).

4.0 CULTURAL HISTORY

The Minnesota State Historic Preservation Office (SHPO) has developed statewide contexts examining Minnesota's Prehistoric through recent past. These contexts are on the Minnesota Archaeological Site Form (Minnesota Office of the State Archaeologist 2016) and generally describe the history of the State and assist in predicting where specific types of sites may occur.

Native American contexts are commonly divided into three major traditions: Paleoindian, Archaic, and Woodland. Late Woodland is further subdivided into Plains Village, Mississippian, and Oneota Traditions. These divisions are based on significant changes in how these communities lived, with a special focus on subsistence strategies. Historic contexts are generally divided into Contact and Post-Contact periods. The Contact period begins with early European exploration and continues through the Post-Contact period including Euro-American settlement and Minnesota statehood. The following is a discussion of potential human activity around Father Hennepin Bluff Park during the Pre-Contact Period, followed by a general summary of these traditions using the Author's general knowledge and various disseminated sources for information including the OSA's website, Elden Johnson's 1988 *The Prehistoric Peoples of Minnesota*, Gibbon and Anfinson's 2008 *Minnesota Archaeology: The First 13,000 Years*, and Gibbon's 2012 *Archaeology of Minnesota: The Prehistory of the Upper Mississippi River Region*.

4.1 Pre-Contact Period

Limited archaeological evidence based on a few stone projectile points indicates human activity near the St. Anthony Falls region may have begun by 8000 years ago (Anfinson 1990:17). As subsistence strategies around farming and gathering wild rice developed to supplement hunting and fishing, the number of settlements across the region began to increase around 1000 years before contact with Europeans (Anfinson 1990:18-19). By the early historic period two Dakota villages existed near St. Anthony Falls. These settlements were Cloud Man's Village near Lake Bde Mka Ska (Lake Calhoun) and Good Road's Village, a small, periodically used settlement of ten tipis in the current location of Downtown Minneapolis (Anfinson 1990:19). Early historical accounts also note that occasional parties of Winnebago and Ojibwe would travel through the St. Anthony Falls region to trade with local Dakota villages (Anfinson 1990:20).

The falls have long been known as a spiritual place for Native Peoples. According to Gwen Westerman and Bruce White in their 2012 book *Mni Sota Makoce: The Land of the Dakota*, the location is known as *Owamniyomni* or “whirlpool”. The falls were a source of veneration and offerings from Dakota traveling through the region. These peoples believed the site “housed a powerful being or beings” (Westerman and White 2012:26). The Falls were also a site for ceremonies along *Haha Wakpa*, a road that tied Spirit Lake in modern Iowa to St. Anthony Falls. Spirit Lake is tied to stories of how the Dakota learned to plant corn and survive in a time of food shortages (Westerman and White 2012:27-28). Jean Nicollet states the falls were known by the name of *Ha-Ha*, a general term for all water falls from the word *l-Haha*, the noise and laughter of falling, rushing waters. The Ojibwe name was *Kitchi Kakabika*, “The Great Fall”, or literally, “The Great Severed Rock”. This was also their name for Minneapolis (Durand 1982:20-21).

4.1.1 Paleoindian Tradition (11,500 to 7,500 B.C.)

The Paleoindian Tradition in Minnesota is divided into two periods: Early Paleoindian and Late Paleoindian/Early Archaic (Gibbon and Anfinson 2008). Throughout the Paleoindian, Native American communities were small, mobile, and focused on hunting. However, between the early and late periods, the environment and available food resources changed dramatically. The beginning of the Early Paleoindian Tradition is characterized by retreat of glacial ice and the growth of spruce forests. During this time, now extinct megafauna like mastodon, mammoth, and large bison were available for hunting. The Early Paleoindian period is poorly understood in Minnesota because most evidence for Paleoindian lifeways comes from isolated finds of large fluted projectile points (Gibbon and Anfinson 2008). Based on more plentiful sites in the southeastern and southwestern portions of the United States, it is generally assumed Native American populations were small, consisting of highly-mobile hunters and foragers who followed large game throughout the landscape (Gibbon and Anfinson 2008).

By the Late Paleoindian period, modern vegetation zones had established themselves in Minnesota. Modern animal species like white tail deer, grouse, and fish were available for Native American communities to hunt and fish. Lithic tool evidence from Late Paleoindian sites in Minnesota take the form of stemmed rather than fluted points and a wider range of tool types including groundstone tools (Gibbon and Anfinson 2008). Again, lifeways during this time are poorly understood, but based on three well-documented sites found in Minnesota (Cedar Creek-21AK58, Bradbury Brook-21ML42, and Browns Valley-21TR5), communities are still small, highly-mobile and focused on hunting larger animals and foraging for wild plants. However, stone toolkits did diversify and communities began exploiting smaller territories. It is also likely populations started to increase (Gibbon and Anfinson 2008).

4.1.2 Archaic Tradition (7,500 to 800 B.C.)

The Archaic Tradition continues the trend of resource diversification started in the Late Paleoindian period. Native American communities developed broader toolkits, used a wider array of foods, and became less mobile over the course of the Archaic. Additionally, by the end of the

Archaic, communities were using communal burial sites. Stemmed and notched points, groundstone tools, particularly those for woodworking, and cold-hammered copper tools are hallmarks of the Archaic Tradition in the archaeological record (Anfinson 1997; Gibbon and Anfinson 2008). By the end of this period the climate shifted to a cooler, wetter pattern up until the strong, human-driven, warmer climates of the modern era. Resource gathering technologies during the Archaic included the aforementioned hunting, as well as trapping, fishing, foraging, woodworking and plant processing. Many of the larger, documented sites in the central portion of the state likely began during the end of this period.

4.1.3 Woodland Tradition (800 B.C. to European Contact)

In the Midwest region, archaeologists tend to divide the Woodland Tradition into three periods: Early, Middle, and Late. However, Anfinson (1987) and Gibbon (2012) suggest in Minnesota it is more appropriate to divide the era into Initial and Terminal Woodland periods. This view is not as widespread as research would at first suggest, with work including Arzigian's *Statewide Multiple Property Documentation Form for the Woodland Tradition* (2008), and Buhta et. al. *On the Periphery?: Archaeological Investigations of the Woodland Tradition in West- Central Minnesota* (2014), retaining the more traditional use of Early, Middle, and Late designations. Beginning approximately 2,800 years ago, peoples in the region experienced increases in population with the advent of first horticultural and then agricultural subsistence strategies to augment already extant systems of hunting, gathering, etc. As populations increased, settlements near favorable transportation and resource corridors shifted from seasonal to year-round occupations as they made forays to collect necessary resources (Johnson 1988; Anfinson 1987:222).

The period also witnessed the technical transition from spear/atlatl to bow and arrow weaponry useful for both hunting and warfare. This change in technology led to the use of smaller projectile points or arrow heads. Similarly, the period also saw the invention of ceramic vessels and it is these vessels and their change over time, from thick walled, grit tempered, conoidal vessels, to thinner walled, shell tempered, globular vessels, which has greatly assisted the archaeological community in further refining their understanding of group identity, cohesion, and integration throughout the region. Indeed, there are more than ten major recognized ceramic complexes for the state with many temporal overlaps, often based more on location than visual representation. A final example representing not only identity and permanence on the landscape, but also religious practices, was the use of earthen burial mounds. Although community size was likely similar between the Early Woodland and Late Archaic periods, by the Late Woodland period, populations were certainly on the rise.

4.2 Contact/Post-Contact Period (1630 A.D. to Present)

This period generally refers to the span of time extending from the first European explorations until intensive Euro-American settlement of the region. Minnesota's historic period began in 1673 when French explorers Marquette and Joliet investigated the upper portion of the Mississippi River. Ten years later, Catholic Missionary Father Louis Hennepin told his story of exploring

Minnesota and being held captive by Dakota Indians in the first book written about Minnesota, *Description de la Louisiane* (Hennepin 1683).

The territory containing modern-day Minnesota was claimed at various periods of time by Spain, France, Great Britain, and the United States. Lieutenant Zebulon Montgomery Pike led the first United States expedition through the area in 1805, which would ultimately become Minnesota in 1858. Fort St. Anthony (later Ft. Snelling) was completed between 1819 and 1824, and in 1836 the Wisconsin Territory, including a portion of Minnesota, was formed. Just one year later, on September 29th, 1837, during treaty negotiations in Washington, D.C., Dakota leaders ceded their lands between the Mississippi and St. Croix Rivers.

Starting with Father Louis Hennepin's accounts about the Falls of St. Anthony, Europeans ventured into what was to become Minnesota between 1680 and 1805 to explore and trade with local Native Americans. A series of land treaties between the Dakota and the United States, starting with Zebulon Pike's treaty in 1805 and ending with the treaty of Traverse de Sioux in 1851, resulted in Euro-Americans occupying and developing the land around St. Anthony Falls. The town of St. Anthony was first platted along the eastern banks of the Mississippi River in 1849 with the town of Minneapolis following along the western shores in 1852 (Anfinson 1990:20-21).

The earliest Euro-American developments around the falls occurred within the currently established St. Anthony Falls Historic District (City of Minneapolis 2019). The district focuses around water-powered mills for lumber and later flour milling which led to rapid growth of residential and commercial development. This, in turn, supplemented the industrial heart of milling, transportation, and water power within the district (City of Minneapolis 2019). Minneapolis and St. Anthony merged in 1872 and by 1880 Minneapolis became a global leader in flour production. The milling era of Minneapolis ended with the closing of the last flour mill in 1960. Minneapolis began a program of demolition, renovation, and urban beautification in the early 1970s which included the creation of the St. Anthony Falls District (City of Minneapolis 2019). Additional specific information on historic properties within the project area are included in subsequent sections.

5.0 HISTORY OF FATHER HENNEPIN BLUFF PARK

The research process and results regarding the history of Father Hennepin Bluff Park have been thoroughly outlined in NCC's Phase Ia (Nienow and Sutherland 2019a) and Phase Ib (Nienow and Sutherland Phase 2019b). The following provides a summary of this literature review to aid in the interpretation of Phase II results, however for a fully detailed accounting of the park's history, related maps and photographs, and the means utilized to research it, please see Nienow and Sutherland 2019a and 2019b. Figure 3 illustrates the locations of historical non-extant structures identified during the survey – these will be referenced by their map number in the following narrative if relevant.

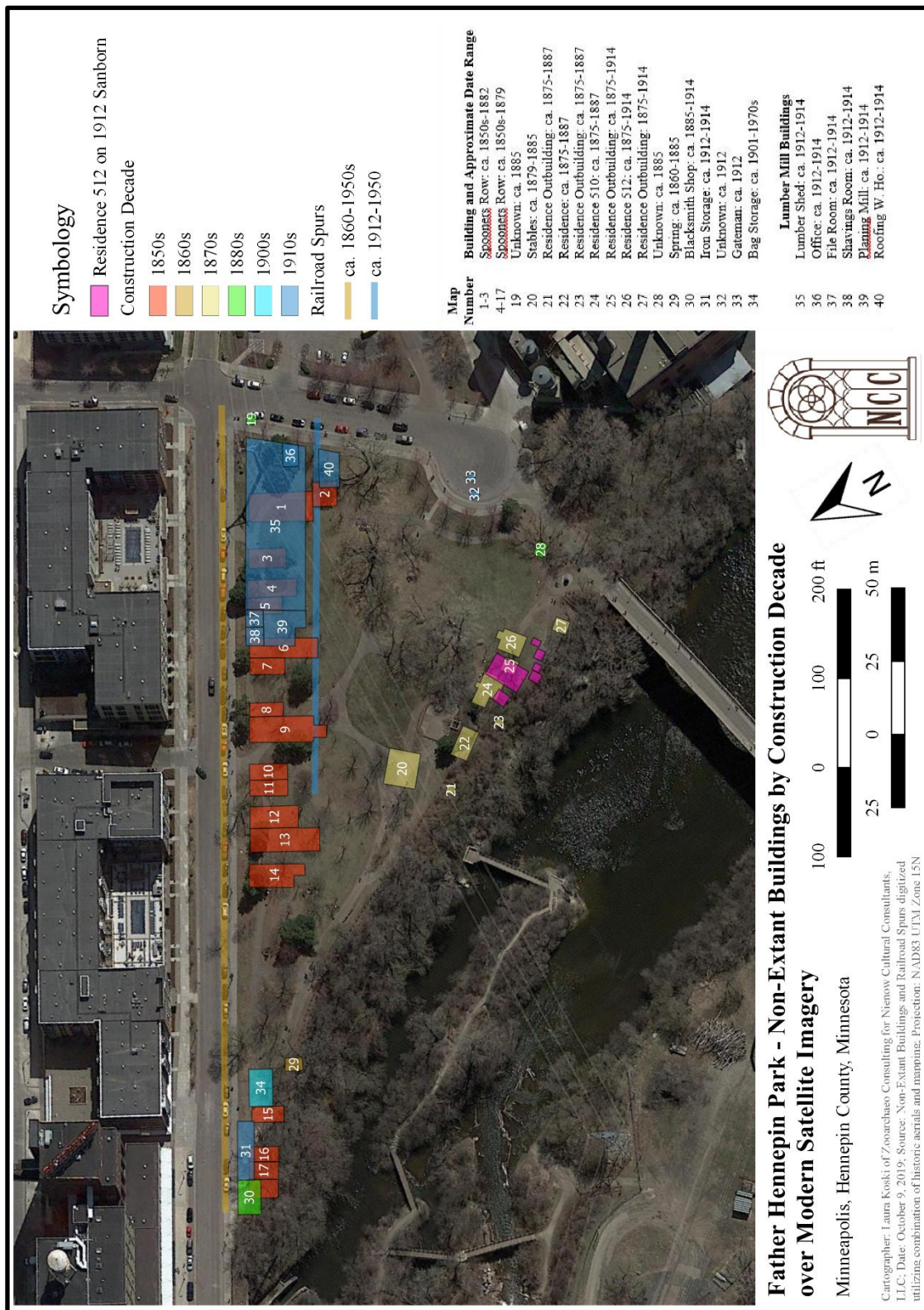


Figure 3: Historical Mapping Results of NCC's Phase Ia Literature Review.

The earliest known map depicting buildings in the project area is the 1861 C&F Cook map of Minneapolis and St. Anthony depicting more than a dozen wooden framed buildings along Main Street (map numbers 1 through 18 in Figure 3). An 1867 Rutgers bird's-eye map depicts these structures as a mix of one to two story wood frame buildings with stacks of drying lumber placed along the eastern edge of the property (Figure 4). In Scott Anfinson's "Archaeology of the Central Minneapolis Waterfront" he identifies the structures illustrated in these maps as "Spooner's Row" ca. 1855-1882, part of the greater historically known East Side Mill District (1989:105-114). Anfinson describes Spooner's Row as "several adjoining multi-story wood frame buildings...[which] housed a number of businesses" (1989:111).

This particular stretch of commercial buildings from the mid-19th century is described in more detail by historians Petersen and Roise (2004). They note several commercial establishments nearby, but not within the project area, including a lawyer's office, a harness maker, and a real estate agent's office (Petersen and Roise 2004:17). The authors further note this commercial district appears to have had frequent turnover and reconstruction episodes in the 1850s and 1860s as local newspapers described the demolition of older buildings and the rise of new ones in their place (Petersen and Roise 2004:17-18). This commercial district went into permanent decline in the 1870s "following the consolidation of east-side St. Anthony with west-side Minneapolis," (Anfinson 1989:105) and was demolished by 1882 (Anfinson 1989:111).

After Spooner's Row was demolished, an 1885 Sanborn Fire Insurance Map illustrates a brick blacksmith's shop at 346 Main Street SE (map number 30) and three dwellings and a stable closer to the bluff edge (map numbers 20 through 27). The wood frame dwellings have addresses at 510 and 512 Main Street SE. A mixture of general laborers, mill workers, and carpenters lived in these dwellings according to the 1875 to 1887 Minneapolis city directories.

A 1912 Sanborn map of the project area shows the dwelling at 512 Main Street SE has either moved, was incorrectly mapped previously, or the house was demolished and the address assigned to a newly built structure. Several new outbuildings are also mapped southeast of the new 512 Main Street SE structure (the fuchsia structures in Figure 3), but the several earlier structures to the west of it are not depicted (map numbers 20 through 22). Along the northeastern edge of the property, a lumber shed with an attached planing mill belonging to the Shevlin Carpenter Lumber Company is also mapped on the 1912 Sanborn (map numbers 35 and 39). A railroad spur line south of the lumber buildings extending east to west across the center of the project area stopped shortly after passing 5th Ave SE. Lastly, this series of maps show two small 6x6ft buildings along 6th Ave with one labeled as "Gateman," likely related to nearby railroad activity (map numbers 32 and 33).

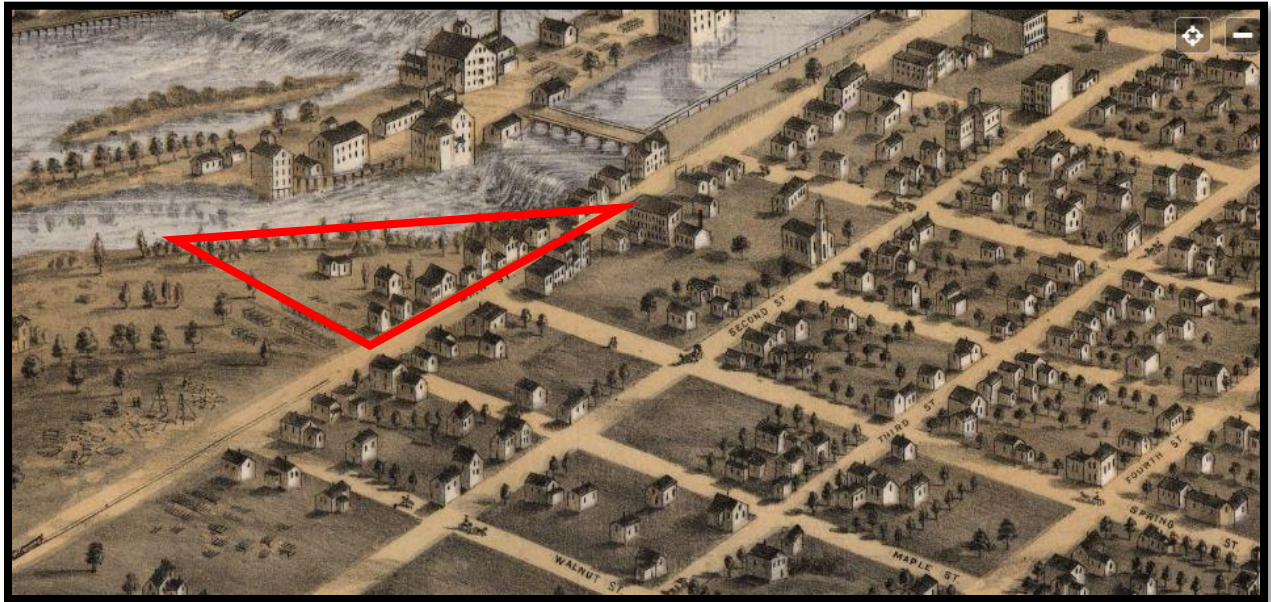


Figure 4: 1867 Rutgers Bird's-eye Map Detail of Spooner's Row in Project Area (in red) Along Main Street.

According to aerial imagery, by 1938 the project area was primarily a vacant lot with only a concrete block bag storage building (map number 34, likely associated with the railroad just northeast of it) at 400 Main Street SE standing at the western end of the property. The aerial also shows visible traces of the railroad grade, railroad spur, and perhaps a few foundation outlines associated with the planing mill to the circa 1912 Shevlin Carpenter Lumber building in the northeastern portion of the project area. The 1952 update to the 1912 Sanborn map depicts no evidence of warehouses or other structures in the project area besides the bag storage building. Interestingly, a building permit for this block structure at 400 Main Street SE indicates it was built in 1901, but it was not represented on any property map until 1952. Aerial imagery taken in 1953 demonstrates the center portion of the project area was used as a gravel covered parking lot with the eastern and western edges used as storage for large concrete barriers or equipment. 1970 aerial imagery shows the project area in a similar state with the rail line still active along the northeastern edge of the project area, and the concrete block bag storage building still standing and surrounded by large shipping containers. According to Minneapolis demolition permit records, this building was demolished in February of 1971.

According to the Minneapolis ordinances on wrecking from the era, subsurface foundations and features related buildings in the project area may not have been removed or impacted by the surface demolition. In 1960, the Minneapolis demolition ordinance code states “the foundation of all buildings or structures moved, torn down or wrecked shall be taken down to the level of the adjoining ground...all debris, waste, and unsightly materials shall be removed from the premises.” Open foundations would be allowed as long as “substantial guards” or barriers are placed around them (Minneapolis City Ordinance 1960:880). Minneapolis ordinance language on demolition and wrecking was not modified substantially until the passage of 82-Or-161 on August 13, 1982 by the Minneapolis City Council (Minneapolis City Council 1982).

Newspaper accounts discussing the condition of the project area and adjacent parcels from the 1920s to the mid-1970s reveal multiple episodes of trash and rubble deposition followed by increasingly substantial removal and revitalization efforts. The first attempt to create a scenic park in the vicinity was Lucy Wilder Morris Park founded in 1924 by the Daughters of the American Colonists (Minneapolis Times 1941). The privately-owned property gradually fell into neglect by the early 1960s and, as overgrowth obscured the views of the falls, illegal dumping of trash covered the grounds and vandalism steadily increased (Koblas 1962:1, Koblas 1964).

Revitalization efforts began in earnest with a Minneapolis Urban Corps project led by Joe Fizer to clear the surrounding area (Morrison 1970). As local boosters for the clean-up effort gathered support from local politicians, the scope and intensity of the effort increased. A description of their efforts by Urban Corps representative G. Rolf Svendsen noted they cleared a six-acre area of the bluffs, which included the current project area, of "...an incredible amount of junk. We spent the first three weeks hauling out old tires, cars, and refrigerators" (Morrison 1973:30-31). In another interview Svendsen noted the City of Minneapolis "dumped 250 loads of fill" across the park to build up portions of the landscape (Hill 1971:6). After the fill was added to the landscape it was further modified with donated materials including railroad ties acquired from local railyards to

make "paths, stairs, campfire circles, picnic tables and seats, landscaping and more footbridges" (Morrison 1973:34). The land for the park was acquired by the MPRB in 1977 and was developed and opened in 1979 (Minneapolisparcs.org accessed June 2021).

6.0 RESULTS

Shovel testing was completed June 1 and June 23, 2021, and test unit excavation was conducted from June 1 through June 11, 2021 (Figure 5).

6.1 Shovel Testing

Fourteen shovel tests were completed in total. Eight of these were excavated along the southeastern edge of the project area at a 15-meter interval, with an additional three placed as positive test brackets. The remaining three shovel tests were placed along the northeastern edge (Main Street) starting 15m away from Unit 4. A single tertiary quartz flake was recovered from Shovel Test 4 at approximately 63cmbs. Two additional bracket shovel tests were excavated to the southeast of Shovel Test 4 (STP 4+5E and STP 4+10E), and one additional bracket test was excavated 10 meters northeast of Shovel Test 4 (STP 3+5S). These shovel tests were negative for prehistoric cultural materials.

As first illustrated in the 2019 shovel tests, the profiles for the 2021 shovel tests continued to demonstrate consistent demolition, filling, and dumping episodes along the transect, disallowing any consistent soil profile across the project area. Shovel Test 1 contained 10YR3/2 dry Silty Loam heavily mixed with clinker from 0 to approximately 60cmbs, then encountered a 10YR6/1 ash lens from 60cmbs to approximately 80cmbs, followed by a sharp transition to 10YR2/1 Loam from 80cmbs to shovel test termination at 100cmbs. The shovel test contained very few artifacts, with glass and nails encountered consistently between 0 and 80cmbs along with a red brick with mortar just above the ash lens, and no artifacts encountered between 80cmbs and 100cmbs in the 10YR2/1 Loam, likely a buried original A Horizon. Similar ash lenses were encountered in Shovel Tests 6 and 7, though both contained much higher frequencies of artifacts and were densely filled with gravel, limestone pieces, and clinker. These shovel tests otherwise contained similar profiles starting with 10YR3/2 Fine Sandy Loam to approximately 15cmbs and some historical artifacts (i.e. bottle glass, nails), followed by 10YR3/2 Fine Sandy Loam mixed with densely compacted gravel, clinker, limestone pieces, and historical artifacts. In Shovel Test 6 the ash lens was encountered from 60cmbs to 75cmbs, and in Shovel Test 7 it began at 40cmbs and ended at 60cmbs. In Shovel Test 6 the final soil horizon contained culturally sterile 10YR2/1 Sandy Loam (likely buried A horizon) through shovel test termination at 90cmbs, and in Shovel Test 7 the final horizon contained sterile 10YR5/4 to 5/6 Silty Sand through to 100cmbs.

All NCC Archaeological Testing over Non-Extant Structures and Construction Areas of Interest, 2021

Father Hennepin Bluff Park, Minneapolis, Hennepin County, Minnesota

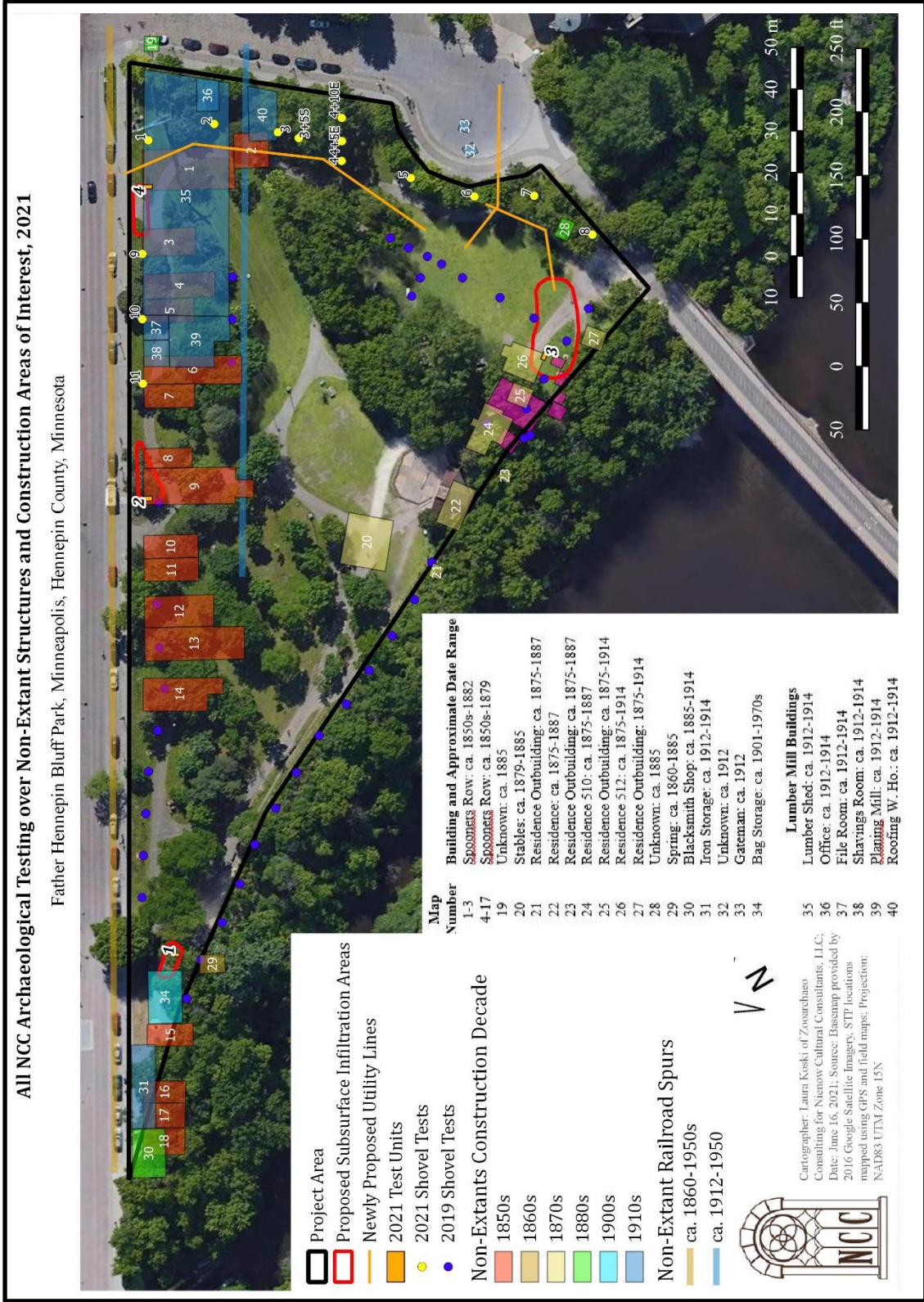


Figure 5: Map of 2019 and 2021 Fieldwork Completed Within Project Area.

The remaining shovel tests demonstrated various fill lenses containing majorly gravel, clinker, and broken limestone. Levels containing the gravel/clinker/limestone were also the levels containing the most artifacts. For instance, Shovel Test 3 contained culturally sterile 10YR2/1 Sandy Loam from 0 to approximately 15cmbs, followed by a layer containing densely crushed limestone and large limestone blocks mixed with clinker, concrete, window glass, bottle glass, and non-descript metal from 15cmbs to 40cmbs, with a sharp transition to culturally sterile 10YR3/4 Fine Sand to shovel test termination at 100cmbs. This profile remained relatively consistent in Shovel Test 4, with the tertiary quartz flake recovered from within the final 10YR3/4 Fine Sand level at approximately 63cmbs, demonstrating this last sand layer of the shovel tests, consistently lacking historical artifacts, as natural B Horizon soils (soils beneath the original organic surface layer) within the project area. In Shovel Test 4+5E the dense layer of limestone blocks mixed with non-descript metal, glass, and clinker began at ground level and continued to 35cmbs; followed by a culturally sterile 10YR3/2 Loam from 35cmbs to 54cmbs; and finally culturally sterile 10YR4/4 coarse sand from 54cmbs to shovel test termination at 90cmbs.

Shovel Tests 5 and 3+5S encountered what is likely the remnants of the gravel parking lot and drives visible within the project area starting in 1950s aerial imagery. The profile starts with 10YR3/1 Sandy Loam (with clinker and non-descript metal) from 0 to approximately 14cmbs, then a layer of dense crushed limestone with no artifacts (similar to Class V gravel) from 14cmbs to 30cmbs, followed by a sharp transition of what may be a buried A Horizon of 10YR2/1 Sandy Loam (with glass) from 30cmbs to 60cmbs, and finally B Horizon of culturally sterile 10YR2/2 fine sandy loam from 60cmbs to shovel test termination at 100cmbs. Shovel Test 3+5S contained a similar profile of 10YR3/1 Loam with clear container glass from 0 to approximately 25cmbs, followed by the dense crushed limestone (similar to Class V gravel) horizon with clinker from 25cmbs to approximately 40cmbs, and finally sterile 10YR4/4 Sand from 40cmbs to 110cmbs.

Two shovel tests, Shovel Test 2 and 4+10E, contained a mix of modern and historical artifacts within B Horizon soils (10YR3/3 to 10YR3/4 Sands), demonstrating the original A Horizon (10YR2/1 Sandy Loam) has been stripped across much of this area of the park, allowing for modern debris and the existing historical deposits to be mixed into prehistoric soils. Shovel Test 2 contained 10YR2/1 Sandy Loam from 0 to approximately 18cmbs, followed by 10YR3/2 Sandy Loam mixed with clinker and gravel from 18cmbs to approximately 47cmbs, 10YR3/3 Silty Sand from 47cmbs to approximately 85cmbs, then culturally sterile 10YR5/3 Sand from 85cmbs to approximately 105cmbs, and finally culturally sterile 10YR6/6 Sand from 105cmbs to 115cmbs. Clinker, clear glass, green glass, asphalt, a railroad spike, metal, mortar, and concrete were recovered from the initial fill layers down to 47cmbs; and then glass, plastic, a nail, and mortar were identified between 50 and 60cmbs, in the 10YR3/3 Sandy B Horizon soils. Shovel Test 4+10E contained 10YR2/1 Loam from 0 to approximately 14cmbs, followed by 10YR2/1 Loam mottled with 10YR3/4 sand from 14cmbs to approximately 28cmbs, then 10Y3/3 silty sand from 28cmbs to approximately 70cmbs, and finally 10YR4/4 Sand from 70cmbs through shovel test termination at 85cmbs (due to root obstruction). Clear glass, brown glass, can top, metal, and clinker were identified in the fill soils down to 28cmbs; and clear glass and clinker were located within the 10YR3/3 Silty Sand B Horizon soils down to approximately 45cmbs.

Shovel Test 8 demonstrated steady disturbance throughout the entirety of the shovel test with 10YR 3/2 Silty Sand with gravel from 0 to approximately 60cmbs with a sharp increase in gravel and crushed cobbles starting at 10cmbs, followed by 10YR5/4 to 10YR5/6 Silty Sand heavily mixed with limestone fragments through shovel test termination at 90cmbs. Historical artifacts were identified consistently throughout the shovel test. These included bottle glass, wire nails, coal, and clinker.

Shovel Tests 9 through 11 were excavated on the park's northern edge along Main Street after Unit 4 identified original A Horizon soils beneath a mid-19th Century construction and demolition layer (discussed in Section 6.2). All three shovel tests reflected similar fill lenses noted in tests elsewhere in the park. However, Shovel Test 9 had original A Horizon soils beneath 19th Century materials, and Shovel Test 11 documented a likely 19th Century limestone wall feature.

The profile for Shovel Test 9 consisted of 10YR3/3 sandy loam with high frequencies of gravel, limestone, and clinker from 0 to approximately 35cmbs. Additionally, this layer contained brick and mortar, a 2008 dime, plastics, coal, and clear glass. From 35cmbs to 40cmbs, the profile contained a dense layer of coal and clinker followed by 10YR/2 Sandy Loam mixed with large limestone and concrete fragments, cobbles, and a dense mix of coal and clinker from 40cmbs to 100cmbs. This layer contained various glassware, whiteware, non-descript metal fragments, a large bolt, window glass, and nails. This was followed by 10YR2/1 Loam original A Horizon soils emerging at 100cmbs and extending to 125cmbs. This layer did not have any limestone or concrete and instead included 19th Century artifacts including all cut nails, embossed container glass, and a high frequency of window glass.

Shovel Test 10 contained similar fill soils and cultural materials, but instead encountered 10YR3/2 Sandy Silty Loam B Horizon soils starting at 95cmbs through shovel test termination at 125cmbs, indicating the A Horizon in this area has been stripped and removed.

Shovel Test 11 also contained similar fill soils to Shovel Tests 9 and 10 except it encountered the dense coal/clinker lens deeper than Shovel Test 9 at 50cmbs to 60cmbs. This was followed by 7.5YR5/6 Silty Sand down to 65cmbs, and then the 10YR3/2 Silty Sand B Horizon from 65cmbs down to 80cmbs. A limestone wall foundation was encountered at 80cmbs, ending shovel test excavation. The shovel test was extended to the northeast and encountered a likely builder's trench adjacent to the foundation. The results of Shovel Tests 9 and 11 confirm the presence of scattered structural features related to the mid-19th Century Spooner's Row structures along with the presence of original A Horizon soils found in isolated pockets across the park.

6.2 Unit Excavation

A total of three 1x2m test units, and one 1x1m test unit were placed and excavated between June 1 and 11, 2021 (Figure 6). All soil depths were measured from ground surface. Each unit level was photographed, mapped, and thoroughly described in level notes. Unit profiles were also photographed and documented with profile drawings of two walls from each unit.

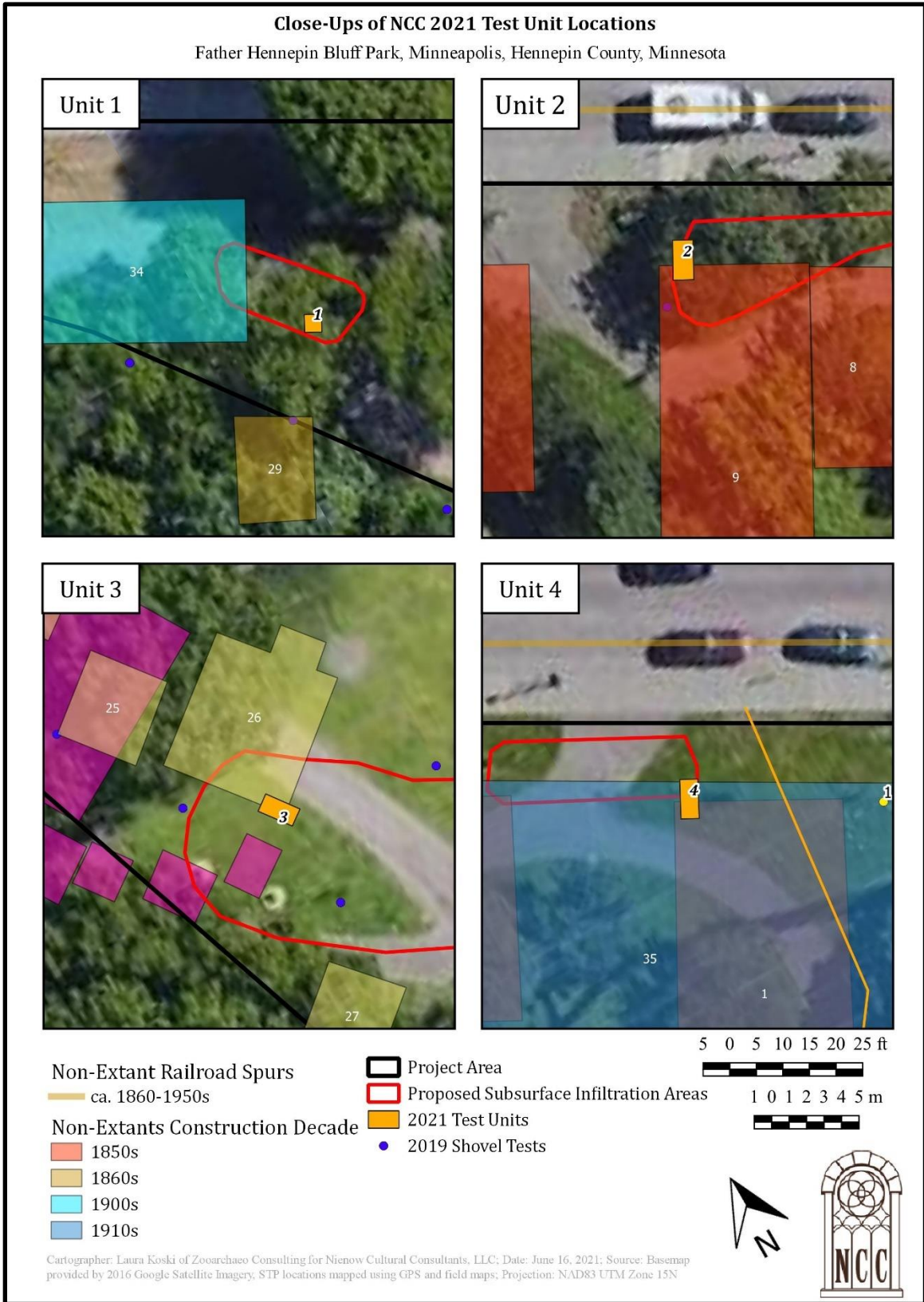


Figure 6: Close-Up Mapping of Test Unit Locations.

Unit 1

Unit 1 was a 1x1m unit placed 10m southwest of the sidewalk, and 1m southeast of the park trail junction at the northwestern end of the park. This unit would have been placed within the planned subsurface infiltration area in a way which would allow it to intersect possible subsurface remnants of the bag storage building, but the current park trail prevented this placement. Instead, the unit was placed 3.4m west of where the building once stood and was utilized as a control unit. Wall profiles from Unit 1 and their associated level notes illustrate five distinct depositional episodes.

From 0 to an average of 13cmbs, the unit contains a layer of uneven soil relating to the modern sod cap with 10YR3/1 sandy silt loam with slight gravel. This layer contained various modern materials including a nicotine gum wrapper (dated to October 2004), plastics, concrete, and even a necklace. The next layer is a thin lens of crushed limestone gravel loosely mixed with 10YR4/2 Silty Sand mottled with 10YR3/2 Silty Sand from an average of 12cmbs to an average of 20cmbs. Artifacts included early 20th Century materials including primarily various architectural materials (brick, window glass, nails), industrial debris (clinker, railroad spike), kitchen artifacts (container glass), and a bone button.

The third and largest layer extended from approximately 20cmbs to between 60 and 65cmbs. The layer was a deep fill lens containing 10YR3/4 Silty Sand with gravel and a high frequency of large limestone pieces and cobbles. Plastics identified throughout the layer date this fill activity to the late 20th Century or early 21st Century including a 1970-1973 Planters Peanut bag. Other artifacts include various architectural materials (limestone, red and yellow brick, window glass, nails, wood fragments, concrete, paver brick fragment, tar shingle, rebar), kitchen artifacts (spoon handle, whiteware, porcelain, metal can fragments), industrial materials (coal), and personal items (kaolin pipe stem, possible marble). Modern materials, including a polystyrene cup, plastic sheeting, plastic bags, and cigarette butts, were all recovered between 55cmbs and 65cmbs, positively dating the layer as a modern fill lens.

The third layer transitioned into the fourth layer between 60 and 65cmbs. The bottom barrier of the fourth layer ended at 70cmbs at the highest point, to 82cmbs at the lowest. The layer contained 10YR4/2 Silty Sand with gravel. Artifact frequencies sharply decrease in this level, however the artifacts present continued to include a mix of historical and modern materials including plastic bags and wrappers and a ring pull tab. Plastic sheeting was noted laying horizontally in the southeast corner. As excavation moved into the fifth deposition layer, it became clear the majority of the unit transitioned to a 10YR3/2 Sandy Silt B Horizon, but a sharp shift in soils divided the southeastern corner of the unit into a 10YR3/3 Sandy Silt with gravel and cobbles covered by the plastic sheeting noted in the fourth layer. While the remainder of the fifth soil layer was sterile for cultural materials, the southeastern corner contained nail fragments, window glass, and mirror glass. The differing soils in the southeastern corner represent a cut for a post which, considering the plastic sheeting used to cover the hole, was likely utilized for fencing in the 1960s into the 1970s when a fence sectioned off the northeastern and northwestern edges of the parking areas the park was once used for (Figure 7).



Figure 7: Unit 1 North Wall Profile.

Three soil probes were taken at the bottom of the unit at 100cmbs: Probe 1 in the SE corner, Probe 2 in the NW corner, and Probe 3 in the SW corner). The first 0 to 20cm of Probe 1 (100 to 120cmbs) contained continued 10YR3/2 Sandy Silty B Horizon soils, switching to 10YR5/4 Sandy Silty C Horizon soils from 20cm to 40cm (120 to 140cmbs). Probe 2 contained 10YR3/2 Sand from 0 to 15cm (100 to 115cmbs), followed by 10YR3/6 Sand from 15cm to 30cm (115 to 130cmbs), and finally 10YR4/4 Sand from 30cm to 35cm (130 to 135cmbs). Probe 3 contained the continued 10YR3/2 Silty Sand B Horizon soils from 0 to 10cm (100 to 110cmbs), then 10YR4/4 Sand mottled with 10YR3/2 sand from 10cm to 20cm (110 to 120cmbs), and finally 10YR4/6 C Horizon soils from 20cm to 38cm (120 to 138cmbs). In summary, the soil probes demonstrated excavating the unit another 20cm would have led to C Horizon (culturally sterile) soils.

Overall, Unit 1 is an excellent representation of the late 20th century use of the property from the 1960s forward with grading activities during this period removing original A and B Horizon soils, replacing them with 20th century fill prior to, and during, park construction.

Unit 2

Unit 2 was a 1x2m unit placed 2m away from the sidewalk along Main Street and approximately 4.5m southeast of the northernmost trail portion connecting the trail to the northeastern sidewalk. This unit was placed over one of the proposed subsurface infiltration areas in an attempt to locate any wall foundation features potentially remaining from the late 19th Century structures along Spooner's Row. The unit contains eight distinct depositional layers, transitioning from the current sod cap to a dense crushed limestone layer, followed by several distinct layers of demolition and fill episodes, and finally culturally sterile B Horizon soils.

The first layer from 0 to approximately 15cmbs, just beneath the sod cap, contains 10YR2/1 Sandy Loam with a high frequency of mulch. The mulch may be related to previous park landscaping. Artifacts include architectural materials (metal nut and washer, nail, metal stake, ornamental light bulb), industrial materials (clinker), clear window and container glass, fabric, and modern materials (foil, plastics). From 15cmbs to an average of 25cmbs, the 10YR2/1 Sandy Loam is mottled with 10YR4/6 Coarse Sand with gravel and limestone pieces. Artifacts in this mottling are consistent with those just beneath the sod cap along with some additional historical materials. These included architectural materials (concrete, asphalt, tack nails, terra cotta, non-descript metal), industrial debris (clinker, coal), kitchen artifacts (clear container glass and light blue, brown, and green bottle glass), bone, and a variety of modern materials (foil wrapper, an early 1970s *Shasta* soda can, various plastics).

The second distinct layer consisted of crushed limestone (similar to Class V gravel) mixed with 10YR4/6 Coarse Sand. This continued down from 25cmbs to an average of 33cmbs and contained additional architectural materials (concrete, non-descript metal), industrial debris (coal, clinker),

as well as bottle glass and a steel can lid. This crushed limestone layer is likely associated with the gravel parking lot which once covered much of the park starting in the 1950s up until park development. This layer was also noted in Shovel Tests 5 and 3+5S.

The third layer starting at an average of 33cmbs and continuing down to an average of 40cmbs contained 10YR2/2 Sandy Loam heavily mixed with coal and clinker. The artifact density and variety in this layer sharply increased, though it was focused largely in the southwestern half, and included architectural materials (nails, limestone, sheet metal, wire, window glass, metal strips, non-descript metal, asphalt), industrial debris (high frequency of coal and clinker), kitchen artifacts (clear bottle glass and container glass, green and amber bottle glass, salt-glazed stoneware tile, porcelain), and bone. This was followed by the fourth layer, an approximately 4cm thick lens of ash. This lens was rather ephemeral and occurred slightly unevenly throughout the second half of digging down from 35cmbs to 40cmbs, preventing the separation of artifacts recovered in the 10YR2/2 Sandy Loam from artifacts recovered from the ash lens. However, artifact frequencies remained steady throughout the excavation of the southern half 35cmbs to 40cmbs, suggesting the same types and frequencies of materials may have been found in both contexts.

The fifth depositional layer begins just beneath the ash starting at an average of 40cmbs and continuing down to an average of 45cmbs. This layer consisted of nearly 80% coal mixed with 10YR2/1 Loam. Artifacts recovered include slightly different architectural materials than previously (metal washer, rivet, wire, bolts, nails, tile fragment, terra cotta, brick), industrial debris (coal), clear container glass, bone, and a pencil fragment.

The sixth layer, extending from 45cmbs to an average of 65cmbs, contained 10YR 3/2 Sandy Loam heavily mixed with gravel and cobbles. This 10YR3/2 Sandy Loam matches B Horizon soils noted elsewhere in the park, however, the high frequency of gravel, assorted cobbles, and historical artifacts suggests it was graded and used as a fill soil. Artifacts include architectural materials (cut nails, common nail, wrought nail, terra cotta, yellow and red brick, wire, washers, window glass, metal ring, metal cord), industrial debris (coal, clinker), kitchen artifacts (clear and amber bottle glass, clear container glass, whiteware, milk glass, a post 1866 sardine can key fragment, a 1860-1890 Ironstone China plate fragment), and leather fragments.

The final and seventh layer contained a 10YR2/2 Sandy Loam starting at an average of 65cmbs down to the bottom of the unit at 95cmbs. Artifact frequencies steadily decreased until 75cmbs when the soils became culturally sterile through to 95cmbs. Artifacts prior to 75cmbs included architectural materials (nails, bolt and washer, wire, non-descript metal, window glass, barbed wire), industrial debris (coal, clinker), kitchen material (stoneware), and a hard rubber shoe heel.

Two soil probes were completed at the bottom of the unit: one in the center and one in the southwestern half. Soils in both probes reflected similar profiles starting with B Horizon 10YR2/2 Soil continuing briefly until it begins to mottle with 10YR4/6 and 10YR4/2 sand. The profile transitions to strictly 10YR4/6 Sand, likely C Horizon soils, starting at 20cm (115cmbs), and continues down for an additional 35cm (150cmbs) (Figure 8).



Figure 8: Unit 2 East Wall Profile.

Overall, Unit 2 shares several characteristics with Unit 1 including the use of late 20th Century fill soils prior to, and during, park construction. However, beneath these materials is a 19th and 20th Century layer of mixed artifacts representing earlier demolition and reuse of the site. No features from the 19th Century were identified within this unit, but the lowest artifact layer does contain materials from the earliest period of historic site use.

Unit 3

Unit 3 was a 1x2m unit placed approximately 10m northwest of the southernmost park trail junction, and 1m southwest of the north-to-south trail leading north from that junction. The unit was placed within a proposed subsurface infiltration area with connection to adjacent utilities over the southeasternmost corner of where residence 512 was mapped on the 1885 Sanborn fire insurance map.

The unit contained four distinct depositional episodes, comprised majorly of fill soils throughout the entirety of the unit. The first layer was a shallow sod layer with 10YR3/2 Silty Sandy Loam from 0 to an average of 15cmbs. Artifacts within this layer contained modern cultural materials, including a 2015 GEICO sponsored poker chip, 2011-2014 USB cord, earring, aluminum, various plastics, 1975 to 1985 era can “pop” tabs, along with architectural debris (limestone and concrete).

The second layer extended from the average of 15cmbs down to between 55cmbs and 65cmbs and contained compacted 10YR3/4 and 10YR4/2 Silty Sand with gravel, limestone fragments, and large cobbles. The layer contained various fill materials including architectural materials (nails, wood fragments, limestone, window glass, yellow and red brick, concrete with rebar, asphalt), industrial debris (railroad spikes, coal, clinker), and kitchen artifacts (bottle glass, container glass, stoneware, modern ceramics), personal items (marbles), animal bone, a 1949 and a 1968 penny, 1965 to 1975 era can “pop” tabs, and other modern materials (various plastics).

The third layer consists of an older fill lens from an average of 60cmbs to an average of 85cmbs containing compacted 10YR4/2 Silty Sand mottled with 10YR3/4 Silty Sand heavily mixed with gravel and large limestone pieces. Artifacts mixed into the fill include architectural materials (limestone pieces with some burnt, an increase in nails, brick, asphalt, concrete), kitchen materials (container glass, milk glass, a 1935 to 1964 pressed glass fragment, yellowware, ring pull tab), personal items (button, shell button), faunal (clam shell, bone), and modern materials (various plastics). The ring pull tab, recovered from between 80 and 85cmbs, dates this fill lens to 1965 to 1975.

The fourth layer, extending from an average of 85cmbs down to unit termination at 150cmbs, consists of another fill episode containing 10YR2/1 loose silty sand with heavy gravel, limestone pieces, and a notable increase in concrete. The unit was bisected starting at 100cmbs; which meant between 100cmbs and 150cmbs only the southeastern half of the unit was excavated. Artifacts in this fill layer decreased from the last, but materials were relatively consistent. These included architectural materials (cedar fragments, window glass, concrete, asbestos tile, terra cotta tile,

safety glass, red and yellow brick, wire), industrial debris (coal, clinker, railroad spikes), kitchen artifacts (container glass, bottle glass with post 1945 stippling, a partial 1930 to 1952 whiteware fragment, porcelain, and a 1965 to 1975 pull tab), bone, a post 1952 bright blue, rubber, automobile mud flap, and modern materials (aluminum foil, various plastics).

Considering fill soils were being encountered as deep as 150cmbs, artifacts frequencies were increasing with depth, and out of concern for unit safety; a shovel test was dug in the center of the south half of the unit to safely determine when these fill soils ended. The shovel test brought the total unit depth to 210cmbs. Fill soils continued to 170cmbs, but then transitioned to culturally sterile B Horizon subsoils (Figure 9).

Overall, Unit 3 demonstrates large amounts of erosion along the project area's bluff line. Efforts to stave off this erosion primarily included the dumping of mid to late 20th Century materials in this area. No features or artifacts dating to the mid-19th Century (except for a piece of 19th Century glassware and a scattering of cut nail fragments) were identified, and certainly no 19th Century materials representing their own demolition layer (materials were always mixed with 20th Century materials) are present. Any earlier structures in this area were likely lost to erosion, demolition events, or both.

Unit 4

Unit 4 was a 1x2m unit placed approximately 28m northwest of the easternmost park corner, and 3m away from the sidewalk along Main Street. The unit was placed within a proposed subsurface infiltration area overlapping the mapped locations of a late 19th-Century Spooner's Row structure, and 1912-1914 lumber shed.

This unit contained seven distinct depositional episodes starting with the sod cap and recent park soils, followed by various fill soils, a possible limestone sill aligned with a thin sheet midden of Mid-to-Late-19th Century historical cultural materials, and finally original buried A Horizon soils. The first layer contained the sod cap followed by 10YR2/1 Sandy Loam down to an average of 30cmbs heavily mixed with gravel, coal, and clinker with an increase in gravel and cobbles with depth. Artifacts included architectural materials (concrete, limestone, window glass, nails, asphalt, wire, red and yellow brick, non-descript metal, terra cotta, metal bracket, bolt with washer), industrial debris (slag, coal, clinker), kitchen materials (stoneware, clear bottle glass, brown bottle glass, amber glass, green bottle glass, whiteware), personal items (earring, marble, hard rubber shoe sole), bone, and modern materials (foil wrappers and plastics, including a 1976 White Owl cigar tip).

The second layer extended from an average of 30cmbs down to an average of 40cmbs. This layer consisted of 10YR3/2 Sandy Loam mottled with 10YR3/6 Coarse Sand with a high volume of limestone, gravel, and mortar fragments. Artifacts recovered from this layer included architectural materials (metal strips, cut nail, common nails, metal rod, non-descript metal), kitchen materials (clear container glass, a 1964 amber glass bottle base, hurricane glass, green bottle glass,



Figure 9: Unit 3 South Wall Profile.

porcelain), industrial debris (coal), a 1935 to 1970 steel can lid, and modern materials (foil wrapper, plastic sheeting).

The third layer continued down from an average of 40cmbs to 55cmbs and contained a fill layer of 10YR2/2 Sandy Loam with gravel loosely mottled with 10YR3/3 coarse sand. Clinker and coal frequencies increased from the previous level. Artifacts included architectural materials (mortar, tack nail, non-descript metal, nail, red brick, metal strip, common nail, large paver blocks, concrete), industrial debris (clinker, coal, railroad spike), kitchen materials (metal can fragment, metal can lid, brown bottle glass, hurricane glass, aqua glass, clear bottle neck, whiteware), and modern materials (foil cap cover, plastic, and a 1963 to 1964 can pull tab).

The fourth distinct depositional layer extended from an average of 55cmbs down to approximately 83cmbs. The layer contained another fill episode of 10YR2/2 Sandy Loam mottled with 10YR3/1 Sandy Clay, 10YR3/4 Fine Sand, and 10YR3/6 Coarse Sand with a high frequency of cobbles, shattered brick, and limestone pieces. Artifacts decreased with depth and included architectural materials (red brick with and without mortar, yellow brick, terra cotta, concrete, nails, non-descript metal, wire, window glass, bolt, lamp glass), industrial debris (clinker, coal), and kitchen materials (clear glass, brown bottle glass, whiteware, stoneware). Some of the red brick is identifiable as press brick from the Menominee Pressed Brick Company which was in business between 1893 and the 1960s. A limestone sill was encountered encompassing most of the north half of the unit starting at 65cmbs and gently sloping down to 83cmbs at the end of the sill. The top of the sill at 83cmbs aligns with the bottom depth of this fill layer. The presence of the sill prevented excavation in much of the north half of the unit, and excavation only continued in the south half.

The top of the fifth layer aligns with the top of the limestone sill at 83cmbs and extends down to approximately 100cmbs. Soil content was organically richer with the clay content increasing with depth. Overall, soils reflected a 10YR3/1 Sandy Clay mottled with a 10YR2/1 rich Sandy Loam. Artifacts increased significantly from the end of the previous layer, but slightly decreased with depth. Artifacts generally reflected mid-19th Century activities and included architectural materials (window glass, concrete, non-descript metal, cut and wrought nails, wire, lead sprue, metal strap fragment, red brick, copper handle), kitchen materials (a bottle finish, an 1850-1861 whiteware vessel base fragment, light blue container glass, clear container glass), personal items (glass marble, clay marble, a post 1855 “Hartshorn” buckle, slate, toothbrush fragment), rubber, charcoal, and bone. Two pieces of Native American chipped stone debris were also recovered from this layer.

The sixth depositional layer is a very thin lens of 10YR3/3 Fine Sand from 100cmbs to approximately 103cmbs. Considering this layer ends within the excavated 5cm level between 100cmbs and 105cmbs, artifacts recovered from this lens cannot be differentiated from the following seventh depositional layer. Regardless, the artifacts recovered between 100cmbs and 105cmbs were rather minimal including a cut nail, window glass, charcoal, and bone.

The seventh and last layer consists of notably organically rich, dark soils, even more-so than the fifth depositional layer. Soils throughout were a 10YR2/1 Loam and cultural materials recovered were few in number, suggesting this layer represents the original A Horizon. Besides the cut nail, window glass, charcoal, and bone noted previously between 100 and 105cmbs, the only additional artifact was a sherd of window glass recovered from between 105 and 110cmbs. The remainder of the unit from 110cmbs down to 135cmbs was sterile for cultural materials (Figure 10).

A soil probe was taken in the bottom of the unit for an additional 45cmbs. In 10cm (145cmbs), the 10YR2/1 Sandy Loam gradually transitions to 10YR3/2 Sand B Horizon soils for an additional 10cm (155cmbs), followed by 10YR3/4 Clayey Sand, likely C Horizon soils, throughout the remainder of the probe, reaching a maximum depth of 180cmbs.

Overall, Unit 4 is the best representation of the site's overall use history starting with mid-19th Century construction and demolition events, followed by 20th Century dumping, culminating with late 20th Century fill and grading to make the park. A portion of a 19th Century building foundation protected a demolition fill layer of 19th Century only artifacts, under which are original A Horizon soils. The only two Native American materials found during unit excavation were also found in the 19th Century exclusive layer, demonstrating a likely Native American presence in the area just prior to, and during, Euro-American contact.

Collectively, archaeological investigations documented significant impacts by 19th and 20th Century demolition, grading, and dumping episodes. The majority of the park has late 20th Century fill layers over scattered 19th Century demolition layers with historic A horizon soils absent (soil has been graded to the B horizon), as well as significant erosion along the bluff edge. However, along Main Street, NCC documented portions of two 19th Century building foundations and pockets of buried, original A horizon. This soil could contain additional historic and prehistoric features.



Figure 10: Unit 4 East Wall Profile (note limestone sill at left of photo).

6.3 General Artifact Analysis

Shovel testing and unit excavations produced a total of 3,962 artifacts (Table 1). Shovel testing yielded 842 collected artifacts. The largest categories consist of architectural material (n=526), container glass (n=159) and ceramics (n=38). Unit test excavations produced a total of 3,120 artifacts, which predominantly consist of architectural material (n=1,098), container glass (n=847) and ceramics (n=179). Appendix B contains the condensed catalog of recovered artifacts with descriptions of each type completed using the MNHS approved system for artifact curation.

The majority of materials identified in the field were collected and processed. However, several types of architectural material including asphalt, brick, mortar, concrete, and limestone were typically weighed in the field with a small sample collected from each context. Coal and Clinker material was also weighed and sampled in the field. The remaining sampled materials were discarded in the field once it was weighed.

Table 1: General Artifact Types Recovered during Phase II Archaeological Investigations.

Type	Artifacts
Architectural	asphalt, brick, concrete, limestone, marble, mortar, nails, tacks, screws, bolts, washers, porcelain insulators, ceramic tiles, linoleum tile, asbestos tile, shingles, and window glass
Container Glass	clear, white, light blue, light green, green, blue, brown, amber, and amethyst shards
Ceramics	whiteware, stoneware, ironstone, yellowware, and terracotta sherds
Metal Can Fragments	steel and aluminum beverage or food can caps, rims, tabs, or body fragments
Jewelry	watch fragments, earrings, necklace, and decorative bead
Coins	pennies and dime
Toys	glass and clay marbles, poker chip, game pieces, and miniature pewter teapot
Buttons/Buckles	metal, glass, ceramic, bone, or shell buttons and buckles
Faunal	clam shell and animal bone fragments with saw, cleaver, or fracture marks
Prehistoric	stone tool debitage
Unidentified Metal	Cast iron fragments, metal sheet or strap fragments, wire fragments, aluminum foil, lead sprue, and unidentified rusted iron fragments
Coal/Clinker	coal or coal waste products such as clinker or slag
Other	miscellaneous plastic, Styrofoam, rubber sheet fragments, fishhooks, eye glasses, transistor, pen, pencil, mud flap, pipe stems, leather shoe fragments, plastic syringe, car tail light, battery,

Approximately 85% of the artifacts collected during the project are from the mid-to-late 20th Century. These items represent the period shortly before, during, and after construction of the park in the late 1970s. Ten percent or so of the artifacts relate to the early 20th Century. These consist mostly of bottle fragments and ceramics and represent the period between its 19th Century heyday and later park construction. Only about five percent of artifacts recovered can be directly tied to the 19th Century from a few limited contexts along Main Street. These deposits consisted of materials from the construction, use, and demolition of “Spooners Row” and in two instances (Unit 4 and Shovel Test 11) were recovered in association with building foundation features. Furthermore, Unit 4 and Shovel Test 9 also have intact, original A Horizon soils beneath the 19th Century deposits. Please see the unit discussion in Section 6.2 for further details regarding the specific deposits and key diagnostics within each unit.

6.3.1 Discussion of Diagnostic Materials

Very often at sites with historic diagnostics it is the glass container fragments with markings which reveal the most information about each deposit. However, most of the recovered container glass from the park is non-diagnostic and from fill deposits dating to just prior to, and during, park construction up to 2021. In looking at this assemblage, most of the recovered container glass fragments had stippling or other mold markings which only indicate it they were produced after 1945.

Because of this, diagnostic aluminum can elements moved to the forefront in this collection to determine which deposits immediately predate or postdate the park's creation during the 1970s. Just as glass bottle manufacturing was evolving rapidly in the late 19th to early 20th Century, metal beverage can manufacturing changed dramatically between the 1960s and 1980s. Diagnostic examples of the transition between all-steel to all-aluminum beverage cans appear in this collection, as well as a series of highly diagnostic can pull and sta-tab openers (commonly called "pop" tabs, or can tab, openers). Archaeological excavations across the United States, Europe, and Asia have compiled research and data to create a typological chart of can tabs organized by the International Centre for Pull Tab Archaeology in the Netherlands. This chart was used in consultation with its author, Jobe Wijnen, to determine the dates when these cans were manufactured.

The earliest diagnostic can materials recovered likely relates to when this parcel was a parking lot from the 1930s to the end of the 1960s. The steel beverage can was developed and became popular shortly after 1935. It had to be opened by puncturing the top with a triangular 'church-key' tool (Brewery Collector's Club 2020). The marks left on these lids make them very distinctive. Examples were recovered in Units 2 and 4 between 25 to 40cm below the current ground surface (Figure 11). Steel cans with a more convenient aluminum pull-tab opening began appearing after they were developed in 1962. These early solid aluminum tabs dating between 1962-1965 were known as "zip-tabs" (Figure 12). These early tabs are present in Unit 3 between 85-90cm and Unit 4 between 45-50cm below current ground surface. A glass bottle base with a 1964 date code was also found in Unit 4 between 40-45cm.

Beginning in 1965, steel can lids were replaced by aluminum lids with distinctive ring pull-tabs and eventually by pop-tabs or sta-tabs starting in 1975 (Figures 13 and 14). Two of these transitional steel cans with aluminum lids from the early to mid-1970s were recovered in Unit 2 at 15-20cm and Unit 3 at 10-15cm below the current surface. Beverage cans made entirely from aluminum with sta-tabs openings appear in the early 1980s (Figure 15). An example of this in the collection comes from a deposit with a tight date range of 1982-1985 in Shovel Test 11 at 20cm below the surface.

A few fragments of modern synthetic rubber or plastic material also contained diagnostic information. The oldest of these was a rubber mud flap with a patent number indicating it was designed for automobiles starting in 1952. The flap was found in Unit 3 at 135-150cm. A plastic



Figure 11: "Church Key" Opened Can Lid Ca. 1935-1970,
From Unit 4, 34-40cmts.



Figure 12: Zip-Tab Ca. 1963-1964, From Unit 4, 45-50cmts.



Figure 13: Example of Sta-Tab From Unit 2, 15-20cmbs.



Figure 14: Example of Sta-Tab From Unit 3, 10-15cmbs.



Figure 15: All Aluminum Can with Sta-Tab Opening Ca. 1982-1985, From STP 11.

leg from a ‘cootie’ game made between 1948-1966 was found in Unit 3 at 55-60cm (Laine 2019). The remaining diagnostic plastic fragments have specific dates or associated dates which reflect activities around the park in the last 15 years. A nicotine gum wrapper with an expiration date of October 2004 was recovered between 5-10cm in Unit 1, and a GEICO branded poker chip was found in Unit 3 at 0-5cm. This chip was likely part of an advertisement campaign from 2014-2015 (Vinson 2014). The final diagnostic plastic item is a meal ticket to the Mill City Suds Run held on Saturday, September 14, 2013. The end of the run was held at Father Hennepin Bluff Park with barbeque and live music provided at the band shell (Mill City Times 2013).

Not surprisingly, far fewer diagnostic 19th Century artifacts were recovered than late 20th Century objects. A diagnostic glass fragment was found in association with later 20th Century material from Unit 3. The embossed shard has markings indicating it was produced for William Massolt between 1880-1895. Bottle enthusiasts describe Massolt as “Minneapolis’ foremost soda pop bottler” in the late 19th-century (Feldhaus 1986:80). A brass buckle fragment with the mark “Patented 1855” was recovered from Unit 4 at 90-95cm. This buckle type was invented by Sheldon Hartshorn in 1855 and became “one of the most commonly used” mid-19th century buckles in North America for suspenders, vests, straps, pants, and other garments up to the early 1870s (Bennett 2012:2) (Figure 16). Two fragments of Ironstone China fit together to make a single maker’s mark indicating it was made by the English ceramics company John Alcock between 1850-1861 (Kowalsky and Kowalsky 1999:90) (Figure 17). These two fragments were found in Unit 4 between 85-95cm.

6.3.2 Faunal Analysis

For the purposes of this analysis, faunal material was sorted by taxonomic classification and macroscopically studied for cultural modifications. The faunal assemblage was first sorted into taxonomic class (mammal, bird, fish, reptile, amphibian, bivalve), then to family, and then to genus or species where possible. Some of the bone was too fragmented through either natural or cultural processes to identify beyond class. In cases where an element is only identified to family or genus it means either not enough comparative specimens were available within that family or genus or the element is morphologically identical between several members of that family or genus. This was the case for the differentiation between domestic sheep (*Ovis aries*) and goat (*Capra hircus*), and between cattle (*Bos taurus*) and bison (*Bison bison*). Both are often too similar to determine species. In these cases, the elements were classified as Ovicapra and subfamily Bovinae respectively. Where mammals could not be specified to at least order, they were categorized into size classes. If the remains were too fragmented to determine size, they were simply categorized as “Mammal, undifferentiated.”

The zooarchaeological comparative reference collection managed by the Minnesota Historical Society Archaeology Department in the Kellogg Center building was utilized for the confirmation of mammal and fish identifications. Other references included Balkwill and Cumbaa (1992) for the differentiation of bison and domestic cattle remains where applicable, and Eddy and Underhill (1974) for the understanding of identified fish ranges and histories. The taxonomic nomenclature utilized follows the Interagency Taxonomic Information System.



Figure 16: Sheldon Hartshorn Buckle Ca. 1855-1870s, From Unit 4, 90-95cmbs.



Figure 17: Ironstone China Maker's Mark Ca. 1850-1861, From Unit 4, 90-95cmbs.

The assemblage consists of 115 elements, 95% of which are mammal (n=110), 3% are fish (n=3), 2% are bird (n=2). See Table 2. for the Number of Individual Specimens (NISP) per taxon. Considering the low overall count of remains in the assemblage, the Minimum Number of Individuals (MNI) was not calculated but will be discussed in the following sections where applicable.

Table 2. Total Faunal Assemblage NISP by Taxon

Taxon		NISP
Class Mammalia (n=110)		
Mammal, undifferentiated		23
Large Mammal		5
Mid-Large Mammal		12
Medium Mammal		4
Small to Medium Mammal		5
Small Mammal		2
<u>Order Artiodactyla</u>		
Bovidae	<i>Ovis aries/Capra hircus</i> (sheep/goat)	3
Bovinae	<i>Bos taurus/Bison bison</i> (cattle/bison)	2
Bovinae	<i>Bos taurus</i> (domestic cattle)	4
Suidae	<i>Sus domesticus</i> (domestic pig)	45
<u>Order Carnivora</u>		
Felidae	<i>Felis catus</i> (domestic cat)	5
Class Aves (n=2)		
Medium Aves		2
Class Fish (n=3)		
<u>Order Perciformes</u>		
Centrarchidae	Sunfish Family	1
Centrarchidae	<i>Micropterus sp.</i> (largemouth or smallmouth bass)	1
<u>Order Siluriformes</u>		
Ictaluridae	North American Catfish Family	1
Total		115

The only identifiable species found in Unit 1 was domestic pig (*Sus domesticus*) represented by a phalanx, tibia shaft fragment, and undifferentiated long bone shaft fragment. The remaining elements comprise unidentifiable mammal remains spanning from Small to Large Mammal. All remains were recovered from the modern sod layer and throughout 1960s and 1970s fill soils between 5 and 75cmbgs.

Unit 2 contained seven elements and included a pig vertebra fragment, bass (largemouth or smallmouth) articular, a Bovinae ilium, and four elements of indeterminate Medium to Large Mammal remains represented by an innominate fragment, two long bone shaft fragments, and a femoral head fragment. All remains were recovered from between 20 and 65cmbs, starting from the early modern era down through various previous fill events. As with Unit 1, these remains are from fill soils brought on site in the later part of the 20th Century.

Unit 3 contained only three elements: an Ovicapra long bone fragment, a Small Mammal rib shaft fragment, and a Large Mammal rib or thoracic spine. As with Units 1 and 2, these remains were recovered from modern fill soils (between 10 and 90cmbs).

Unit 4 contained the highest frequency of faunal remains with a total count of 93 elements, comprising 80.87% of the entire assemblage. Unlike remains recovered from the previous units, all faunal remains from Unit 4 were recovered from intact historical contexts starting from 80-85cmbs and continuing down to 130cmbs. Most faunal materials were recovered from the fifth depositional layer of Unit 4; the historical demolition lens. Eighty-six elements were recovered from this layer, comprising approximately 90% of the faunal remains recovered from the unit. The remaining seven elements were recovered from immediately beneath this depositional layer from 100 to 105cmbs (n=2), and deeper down from between 125 and 130cmbs (n=6), though it was determined during unit excavation artifacts from the historical demolition layer had been dragged deeper throughout the unit in various rodent runs, and these remains were likely originally deposited as part of the historical demolition event. Considering these likely *in situ* remains comprise most of the faunal assemblage, and can be analyzed in context, the NISP specifically for Unit 4 is represented in Table 3.

Table 3. Unit 4 Assemblage NISP by Taxon

Taxon		NISP
Class Mammalia (n=91)		
Mammal, undifferentiated		22
Large Mammal		2
Mid-Large Mammal		10
Medium Mammal		3
Small to Medium Mammal		3
<u>Order Artiodactyla</u>		
Bovidae	<i>Ovis aries/Capra hircus</i> (sheep/goat)	2
Bovinae	<i>Bos taurus</i> (domestic cattle)	4
Suidae	<i>Sus domesticus</i> (domestic pig)	40
<u>Order Carnivora</u>		
Felidae	<i>Felis catus</i> (domestic cat)	5
Class Aves (n=1)		
Medium Aves		1
Class Fish (n=1)		
<u>Order Siluriformes</u>		
Ictaluridae	North American Catfish Family	1
Total		93

Most of the Unit 4 assemblage is comprised of mammal remains too heavily fragmented to identify to species (n=42). The second highest frequency consisted of pig at 40 elements, comprising 53% of the Unit 4 assemblage weight. Individual number of specimens was determined to be at least four individuals using the highest occurring element of the same side (left ulnae). What is likely a single domestic cat is represented by five elements comprising femur, tibia, and metacarpal fragments, making up 1.31% of the total assemblage weight. Cattle are represented by four elements (distal femur fragment, caudal vertebra, lumbar vertebra, and astragalus) and comprise 25.19% of the total assemblage weight, indicating even though their element count is low, cattle still supplied an amount of meat comparable to pig. Ovicapra are only represented by two elements (ulnar notch and distal humerus trochlea) making up 2.68% of the total assemblage weight. Lastly, North American catfish (likely channel catfish or yellow/black/brown bullhead) are represented by a single fragmented cleithrum, 0.23% of the total assemblage weight, and medium undifferentiated Aves (possibly duck) is represented by a single long bone shaft fragment, making up 0.05% of the total Unit 4 assemblage weight.

Pig elements represent most body parts from head to tail including teeth, mandible, various vertebra, ribs, scapula, humerus, radius, ulna, metacarpals, phalanges, carpal/tarsal, tibia, fibula, and pelvis. The femur is the only major limb element not represented in the Unit 4 pig remains.

While this full body representation could at first suggest on-site butchery and utilization, it is more likely the remains originated as salted, barreled pork. Barreled pork (commonly known as ‘salt pork’) was a common means of distributing meat over long distances via railway and steamboat while keeping the meat preserved prior to the advent of refrigeration. After slaughter, entire pigs would be hung to drain until they were stiff. They were then quartered and stuffed into barrels of brine to be shipped. Barrels usually included elements from across the body, but there were generally four ‘classes’ of barreled pork and beef which were separated by which elements provided the most meat and the health of the pig at death (Tourigney 2017). Healthy, meatier cuts would often go in the highest quality barrels of Mess Pork (essentially all shoulder and hindquarter cuts), and the leanest parts would go in the lowest quality barrels of Cargo Pork (Tourigney 2017). The element representation in Unit 4 indicates the people here, whether they be residents or restauranteurs, were receiving Prime Mess, the second highest quality and some of the most expensive salt pork (Tourigney 2017). These barrels would contain the entire carcass of a well-fattened pig weighing approximately 200 to 250lbs after removal of lard and trimmings (Moore 1838).

While it is possible the individuals were also receiving barreled beef, this seems unlikely considering the body part representation, primarily the fact this representation includes a caudal vertebra (tail bone), and astragalus (an ankle bone). Of the three common salt beef qualities, these would only ever be included in the lowest quality Cargo Beef, which misaligns with the higher quality salt pork (also more expensive than beef at the time (Tourigney 2017)) present in the assemblage. Instead, these elements suggest beef was ordered by specific cuts. The tail bone was likely intended as part of a cut of ‘Ox Tail’, the lumbar vertebra as a cut of sirloin, the distal femur and astragalus incidentally included with cuts of round.

Of the remaining species present, the domestic cat was well into adulthood. The North American catfish could have been bought or even caught right off the bank of the Mississippi behind Spooner’s Row. The Ovicapra elements would have been purchased locally as cuts of shank.

Three faunal elements were recovered during shovel testing comprising only 2.6% of the total faunal assemblage. These include a Bovinae rib shaft fragment, a pig rib shaft fragment, and a sunfish vertebra. Like Units 1 through 3, the faunal remains recovered from the shovel tests were all from modern fill soils.

7.0 DISCUSSION OF ELIGIBILITY AND CONSTRUCTION RECOMMENDATIONS

The Minneapolis Park & Recreation Board (MPRB) plans to make improvements and modifications to Father Hennepin Bluff Park (archaeological site 21HE0527) located along Main Street SE in Minneapolis, Minnesota. The approximately 3.8-acre project area is located at 420 Main Street SE in the N ½ of the SE ¼ of Section 23, Township 29N, Range 24W. The Park is bounded by Main Street SE to the northeast, 6th Avenue SE to the southeast, the Mississippi River to the southwest, and 3rd Avenue SE to the northwest and is within Archaeological Region 4s: Central Lakes Deciduous South. Planned park improvements include tree plantings, landscaping, a performance stage, and installation of new utilities.

The MPRB completed its design process and is proposing ground disturbing activities which include utility corridors, utility tie ins, underground infiltration areas, and a new park shelter. Some of these activities could impact archaeological features. The Minneapolis Heritage Preservation Commission required a Phase II archaeological assessment of applicable areas be completed and the MPRB contracted NCC to complete said assessment. NCC's Principal Investigator for this project was Jeremy Nienow, PhD., RPA. Fieldwork was completed between June 1-11, and 23 2021 and included unit excavation and shovel testing. Eleven shovel tests were completed along a utility corridor and three as follow-up tests along Main Street. Shovel tests were typically 35-40 centimeters (cm) wide and between 50 and 125cm deep. Four test units (one 1x1m and three 1x2m) were completed at proposed infiltration areas. Test units were 1x1m or 1x2m and excavated to at least 95cmbs. All soils were screened through ¼" mesh screen, detailed profile notes completed, photographs taken, and GPS points collected for each shovel test and unit.

Discussion of Eligibility

Collectively, archaeological investigations documented significant impacts by 19th and 20th Century demolition, grading, and dumping episodes. Most of the park has late 20th century fill layers over scattered 19th century demolition layers with historic A horizon soils mostly absent (soil has been graded to the B horizon), as well as significant erosion along the bluff edge curtailed by modern, deeper, filling. This means any prehistoric materials present in these soils deposited before and during Euro-American contact, have likely had major impacts to their integrity. Similarly, housing and businesses from early Euro-American habitation in this area known as "Spoooner's Row" have also had significant impacts to their integrity. Units 1, 2, and 3 as well as most shovel tests completed during both Phase I and Phase II investigations demonstrate original A Horizon soils are absent or impacted by demolition, filling, and grading events for the present park. In some places, as evidenced by Unit 3, fill episodes are more than six feet in depth with mid-20th Century materials still encountered at depth. Prehistoric and 19th Century materials can generally be found in B Horizon and mixed 20th Century layers; however, their horizontal integrity has been compromised.

However, along Main Street, NCC documented portions of two 19th century building foundations and pockets of buried, original A horizon. In these areas, soils could still contain additional historic

and prehistoric features. The general 19th Century refuse layer located behind the foundation element contains a well-spring of information about local inhabitants as diverse as diet to daily life. Two additional shovel tests, completed after Units were done, also demonstrate areas where foundation elements and buried original A Horizon soils likely still exist. Unfortunately, Unit 3 was not of sufficient size to demonstrate if the feature identified is discrete and definable horizontally, or it simply represents a small, remaining portion from a larger foundation since demolished.

Finally, the 20th Century fill episodes are themselves well defined and do relate to the overall construction of Father Hennepin Bluff Park in the later part of the 20th Century. However, the debris-filled soils themselves only relate to the event of park creation as a whole; the materials themselves come from other places and are out of context for the park. Park users have added their own cultural materials to the landscape, and these are generally modern. Diagnostic modern artifacts collected during Phase I and Phase II efforts represent a sufficient sample of these activities and no additional archaeological work related to the modern landscape (top 10 to 15cm) is warranted at this time.

Recommendations

Based on the above, the prehistoric and 19th Century landscape has experienced significant loss of integrity (and therefore loss of eligibility to the National Register of Historic Places) but still holds pockets of intact, buried, original A Horizon soils and limited 19th Century foundations and artifacts. NCC recommends the following:

- Limited, diagnostic, 20th Century artifacts, and all 19th Century and earlier artifacts, should be curated with the Minnesota Historical Society.
- One infiltration area in the northeastern portion of the site (at the location of Unit 4), should be moved off documented buried A horizon soils.
- All ground disturbing activities deeper than 80cmbgs (30in) should be carefully monitored during construction for the potential exposure and impacts to intact prehistoric and 19th Century features. Depending on unanticipated discovery during construction, efforts should be made to avoid, minimize, or mitigate said discoveries.
- After monitoring is completed, an updated site form should be submitted to the Minnesota Office of the State Archaeologist (OSA) for site 21HE0527.

With any project there is the chance of unanticipated discovery. Should archaeological materials surface during any future construction, it is advised a professional archaeologist be consulted. Minnesota Statute 307.08 protects unplatted cemeteries (including burial mounds) and issues guidelines for dealing with unexpected finds. Should human remains be encountered during earth moving activity, all work must stop and local law enforcement must be called.

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APPENDIX A:
MN OSA LICENSE

**APPLICATION FOR MINNESOTA INTERIM
EVALUATION/PHASE II SURVEY ARCHAEOLOGICAL LICENSE**

This license only applies to evaluation investigations/Phase II surveys conducted under the provisions of Minnesota Statutes 138.31 - .42 at the specific site or locality listed on the application during calendar year 2021. Separate licenses must be obtained for reconnaissance (Phase I) surveys, for major investigation (Phase III) work, for burial site work under Minnesota statutes 307.08, for fieldwork that will continue into another calendar year, for fieldwork conducted at locations other than those listed below, and for fieldwork that significantly exceeds the Phase II specifications of the *SHPO Manual for Archaeological Projects in Minnesota*. Only the listed individual is licensed as a Principal Investigator, not the institution/agency/company or others who work for that entity. The licensed individual and the sponsoring entity are required to comply with all the conditions attached to the license.

Name: Jeremy L. Nienow

Institution/Agency/Company Affiliation: Nienow Cultural Consultants

Title/Position: Owner / Principal

Address: 200 East Plato Blvd. St. Paul, MN 55107

Work Phone: 651-295-3744 E-Mail: Jeremy.Nienow@gmail.com

Name of Advanced Degree Institution: U. of Minnesota Year: 2007

Name of Department: Anthropology Degree: MA MS PhD

Site Number: 21HE0527 Project: Father Hennepin Bluff Park Improvements

Type of Land: (check all that may apply)
State Owned County Owned Township/City Owned Manager: Minneapolis Park & Recreation Board
Other non-federal public List: _____

Purpose: (check all that may apply)
CRM Academic Research Institutional Field School

Expected Period Components/Contexts: Precontact Contact Post-Contact

MHS Repository Agreement # 953 Other Approved Curation Facility: _____

Signed (applicant): Jeremy L. Nienow Date: 5/6/21

Required Attachments: 1) Curriculum Vita 2) Documentation of Appropriate Experience _____
3) Research Design 2019-40 Phase I license for previous work at FHP.

Previous License: Year 2019 Type Phase II Number 2019-64

Submit one copy of this form and attachments to:
Office of the State Archaeologist, 328 West Kellogg Blvd, St. Paul, MN 55102
651-201-2263 651-201-2264 email: mj.osa@state.mn.us

Minnesota Historical Society Approval: [Signature] Date: 05/12/2021
State Archaeologist Approval: [Signature] Date: 5/11/2021
License Number: 21-087 Form Date: 2/15/11

APPENDIX B:
ARTIFACT CATALOG

Catalog #	HorizontalUnit#	Start CM	End CM	Count	Materials1	Object Name	Description
162.03	STP 2021-2	0	115	1	low carbon steel	bolt (fastener)	This is a 7" bolt with a square nut and two washers fused to it.
264.11	STP 2021-9	0	100	1	low carbon steel	bolt (fastener)	This is a 7.5" bolt.
266.45	STP 2021-10	0	125	1	glass (material)	bottle	This is a colorless bottle glass lip and neck sherd - fully machine made.
170.02	STP 2021-4 + 5m East	0	90	1	low carbon steel	bottle cap	This is a bottle cap fragment.
266.44	STP 2021-10	0	125	1	low carbon steel	bracket (structural element)	This is a bracket with holes.
161.26	STP 2021-1	0	100	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
163.06	STP 2021-3	0	100	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
269.21	STP 2021-3 + 5m South	0	110	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
164.11	STP 2021-4	0	110	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
264.70	STP 2021-9	0	100	1	brick (clay material)	brick (visual works)	This is a yellow brick fragment.
264.71	STP 2021-9	0	100	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
266.84-87	STP 2021-10	0	125	4	brick (clay material)	brick (visual works)	These are yellow brick fragments with a molded design.
267.23	STP 2021-11			1	brick (clay material)	brick (visual works)	This is a red brick fragment.
268.72	STP 2021-11 Extension			1	brick (clay material)	brick (visual works)	This is a yellow brick fragment.
268.73	STP 2021-11 Extension			1	brick (clay material)	brick (visual works)	This is a red brick fragment.
266.01	STP 2021-10	0	125	1	iron (metal)	button (fastener)	This is an iron garment button.
161.07	STP 2021-1	0	100	1	low carbon steel	can (container)	This is a metal can fragment.
163.02	STP 2021-3	0	100	1	low carbon steel	can (container)	This is a metal can fragment.
171.01	STP 2021-4 + 10m East	0	85	1	aluminum (metal)	can (container)	This is an aluminum can tab (Type: T-II-1) (1965-1975) Wiginen 2020.
268.02	STP 2021-11 Extension			1	aluminum (metal)	can (container)	This is a Miller High Life beer can (Type: S-II-1) (1980-1985). Wijnen 2020.
163.01	STP 2021-3	0	100	1	low carbon steel	common nail	This is a 2.5" common nail.
170.01	STP 2021-4 + 5m East	0	90	1	low carbon steel	common nail	This is a 3.5" common nail.
166.01	STP 2021-6	0	100	1	low carbon steel	common nail	This is a 3.75" common nail.
166.02-03	STP 2021-6	0	100	2	low carbon steel	common nail	These are 3.5" common nails.
166.04	STP 2021-6	0	100	1	low carbon steel	common nail	This is a 2.25" common nail.
166.05	STP 2021-6	0	100	1	low carbon steel	common nail	This is a 2" common nail.
166.06	STP 2021-6	0	100	1	low carbon steel	common nail	This is a common nail shank.
168.01	STP 2021-7	0	90	1	low carbon steel	common nail	This is a 2.5" common nail.
264.02	STP 2021-9	0	100	1	low carbon steel	common nail	This is a 3.75" common nail.
264.03	STP 2021-9	0	100	1	low carbon steel	common nail	This is a common nail head and shank fragment.
264.04-07	STP 2021-9	0	100	4	low carbon steel	common nail	These are common nail shanks.
266.02	STP 2021-10	0	125	1	low carbon steel	common nail	This is a 4.25" common nail.
266.03	STP 2021-10	0	125	1	low carbon steel	common nail	This is a 4" common nail.
266.04-07	STP 2021-10	0	125	4	low carbon steel	common nail	These are 3.5" common nails.
266.08-09	STP 2021-10	0	125	2	low carbon steel	common nail	These are 3" common nails.
266.10-14	STP 2021-10	0	125	5	low carbon steel	common nail	These are 2.5" common nails.
266.17-27	STP 2021-10	0	125	11	low carbon steel	common nail	These are common nail head and shank fragments.
266.28-32	STP 2021-10	0	125	5	low carbon steel	common nail	These are common nail shanks.
268.03	STP 2021-11 Extension			1	low carbon steel	common nail	This is a 2" common nail.
161.08-17	STP 2021-1	0	100	10	glass (material)	container (receptacle)	These are colorless container glass body sherds.
161.18	STP 2021-1	0	100	1	glass (material)	container (receptacle)	This is a light green container glass rim sherd.
161.19	STP 2021-1	0	100	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
161.2	STP 2021-1	0	100	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
161.21	STP 2021-1	0	100	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
162.05-23	STP 2021-2	0	115	19	glass (material)	container (receptacle)	These are colorless container glass body sherds.
162.24	STP 2021-2	0	115	1	glass (material)	container (receptacle)	This is a green container glass body sherd with stippling (post 1945).
162.25-26	STP 2021-2	0	115	2	glass (material)	container (receptacle)	These are green container glass body sherds.
162.35-37	STP 2021-2	0	115	3	glass (material)	container (receptacle)	These are colorless container glass body sherds that have been thermally altered.
163.03	STP 2021-3	0	100	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
163.04	STP 2021-3	0	100	1	glass (material)	container (receptacle)	This is an olive colored container glass body sherd with embossing - "L"
169.01	STP 2021-3 + 5m South	0	110	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
164.02-05	STP 2021-4	0	110	4	glass (material)	container (receptacle)	These are colorless container glass body sherds.
164.06-07	STP 2021-4	0	110	2	opaque white glass	container (receptacle)	These are milk glass body sherds.
164.08	STP 2021-4	0	110	1	glass (material)	container (receptacle)	This is a brown container glass body sherd with stippling (post 1945).
170.05-14	STP 2021-4 + 5m East	0	90	10	glass (material)	container (receptacle)	These are colorless container glass body sherds.
170.15	STP 2021-4 + 5m East	0	90	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
170.16-17	STP 2021-4 + 5m East	0	90	2	glass (material)	container (receptacle)	These are brown container glass body sherds with embossing - "ED" and "NO."
170.18	STP 2021-4 + 5m East	0	90	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.

Catalog #	HorizontalUnit#	Start CM	End CM	Count	Materials1	Object Name	Description
170.15	STP 2021-4 + 5m East	0	90	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
170.16-17	STP 2021-4 + 5m East	0	90	2	glass (material)	container (receptacle)	These are brown container glass body sherds with embossing - "ED" and "NO."
170.18	STP 2021-4 + 5m East	0	90	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
171.02-04	STP 2021-4 + 10m East	0	85	3	glass (material)	container (receptacle)	These are colorless container glass body sherds.
171.05-06	STP 2021-4 + 10m East	0	85	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
165.02	STP 2021-5	0	100	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "F."
165.03	STP 2021-5	0	100	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
166.07	STP 2021-6	0	##	1	glass (material)	container (receptacle)	This is a colorless container glass rim sherd.
166.08-14	STP 2021-6	0	100	7	glass (material)	container (receptacle)	These are colorless container glass body sherds.
166.15	STP 2021-6	0	100	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
166.16-19	STP 2021-6	0	100	4	glass (material)	container (receptacle)	These are brown container glass body sherds.
167.01	STP 2021-7	0	90	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
167.02	STP 2021-7	0	90	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
168.02	STP 2021-8	0	90	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with embossing - "62 47."
168.03-05	STP 2021-8	0	90	3	glass (material)	container (receptacle)	These are colorless container glass body sherds.
168.06	STP 2021-8	0	90	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
168.07	STP 2021-8	0	90	1	glass (material)	container (receptacle)	This is an container glass base sherd with an amethyst tint (1880-1920).
168.08	STP 2021-8	0	90	1	glass (material)	container (receptacle)	This is an amethyst tinted container glass body sherd.
168.09	STP 2021-8	0	90	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
168.10-11	STP 2021-8	0	90	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
264.27-32	STP 2021-9	0	100	6	glass (material)	container (receptacle)	These are colorless container glass body sherds.
264.33	STP 2021-9	0	100	1	glass (material)	container (receptacle)	This is a green container glass body sherd with embossing - "5 Quar."
264.34	STP 2021-9	0	##	1	glass (material)	container (receptacle)	This is a blue container glass body sherd.
264.67-68	STP 2021-9	0	##	2	terracotta (clay material)	container (receptacle)	These are terracotta pieces with an annular design.
266.46-47	STP 2021-10	0	125	2	glass (material)	container (receptacle)	These are colorless container glass body sherds.
266.48	STP 2021-10	0	125	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
266.49-55	STP 2021-10	0	125	7	glass (material)	container (receptacle)	These are light green container glass body sherds.
266.56-58	STP 2021-10	0	125	3	glass (material)	container (receptacle)	These are brown container glass body sherds.
267.02-03	STP 2021-11	0	125	2	glass (material)	container (receptacle)	These are colorless container glass base sherds. These are colorless container glass body sherds with embossing. One has stippling (post 1945) and the other has a "B."
267.04-05	STP 2021-11			2	glass (material)	container (receptacle)	
267.06-11	STP 2021-11			6	glass (material)	container (receptacle)	These are colorless container glass body sherds.
267.12	STP 2021-11			1	glass (material)	container (receptacle)	This is a light green container glass body sherd.
267.13-15	STP 2021-11			3	glass (material)	container (receptacle)	These are brown container glass base sherds with embossing/stippling - "N" and "17 N" and the other has stippling (post 1945). Obear-Nestor mark 1945-1982. Lockhart 2018: 107-108.
267.17	STP 2021-11			1	terracotta (clay material)	container (receptacle)	This is a terracotta rim sherd.
267.18-20	STP 2021-11			3	terracotta (clay material)	container (receptacle)	These are terracotta body sherds.
268.12-13	STP 2021-11 Extension			2	glass (material)	container (receptacle)	These are colorless container glass body sherds.
268.14-38	STP 2021-11 Extension			25	glass (material)	container (receptacle)	These are colorless container glass body sherds.
288.44	STP 2021-11 Extension			1	glass (material)	container (receptacle)	This is a brown container glass body sherd with a partial mark from an Anheuser Busch beer bottle (ca. 1990-1999).
268.45	STP 2021-11 Extension			1	glass (material)	container (receptacle)	This is a brown container glass body sherd with stippling (post 1945).
268.46	STP 2021-11 Extension			1	terracotta (clay material)	container (receptacle)	This is a terracotta rim sherd.
161.01	STP 2021-1	0	100	1	low carbon steel	cut nail	This is a 4.25" cut nail.
161.02-03	STP 2021-1	0	100	2	low carbon steel	cut nail	These are 2" cut nails.
161.04-05	STP 2021-1	0	100	2	low carbon steel	cut nail	These are cut nail head and shank fragments.
161.06	STP 2021-1	0	100	1	low carbon steel	cut nail	This is a cut nail shank.
162.01	STP 2021-2	0	115	1	low carbon steel	cut nail	This is a 2" cut nail.
162.02	STP 2021-2	0	115	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
164.01	STP 2021-4	0	110	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
264.08	STP 2021-9	0	100	1	low carbon steel	cut nail	This is a 1.25" cut nail.
264.09	STP 2021-9	0	100	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
264.1	STP 2021-9	0	100	1	low carbon steel	cut nail	This is a cut nail shank.
265.01-03	STP 2021-9	100	125	3	low carbon steel	cut nail	These are 2.5" cut nails.
265.04-22	STP 2021-9	100	125	19	low carbon steel	cut nail	These are cut nail head and shank fragments.
265.23-27	STP 2021-9	100	125	20	low carbon steel	cut nail	These are burned cut nail shanks.
265.28-44	STP 2021-9	100	##	17	low carbon steel	cut nail	These are cut nail shanks.
265.45-49	STP 2021-9	100	125	5	low carbon steel	cut nail	These are cut nail fragments that are fused together.
266.33-35	STP 2021-10	0	125	3	low carbon steel	cut nail	These are 2.5" cut nails.
266.36	STP 2021-10	0	125	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
266.37	STP 2021-10	0	125	1	low carbon steel	cut nail	This is a cut nail shank.

Catalog #	HorizontalUnit#	Start CM	End CM	Count	Materials1	Object Name	Description
266.37	STP 2021-10	0	125	1	low carbon steel	cut nail	This is a cut nail shank.
267.01	STP 2021-11	0	125	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
268.04	STP 2021-11 Extension			1	low carbon steel	cut nail	This is a 2.75" cut nail.
268.05-06	STP 2021-11 Extension			2	low carbon steel	cut nail	These are cut nail shanks.
264.01	STP 2021-9	0	15	1	copper (metal)	dime (coin)	This is a 2008 Roosevelt dime.
168.16	STP 2021-8	0	90	1	granite (rock)	fragment	This is a piece of granite with hot pink spray paint.
264.13-25	STP 2021-9	0	100	13	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
264.26	STP 2021-9	0	100	1	lead (metal)	fragment (object portion)	This is a fragment of lead solder that was likely used to hold two pipes together.
265.50-53	STP 2021-9	100	125	4	cast iron	fragment (object portion)	These are cast iron fragments.
265.54-74	STP 2021-9	100	125	21	iron (metal)	fragment (object portion)	These are miscellaneous iron fragments.
266.41-42	STP 2021-10	0	125	2	iron (metal)	fragment (object portion)	These are miscellaneous iron fragments.
266.95-96	STP 2021-10	0	125	2	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
267.29-31	STP 2021-11			3	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
268.09-11	STP 2021-11 Extension			3	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
162.38	STP 2021-2	0	115	1	graphite (material)	graphite pencil	This is a graphite pencil fragment.
162.04	STP 2021-2	0	115	1	cast iron	hardware (component)	This is a cast iron hardware fragment.
168.12-13	STP 2021-8	0	90	2	glass (material)	light device component	These are lamp glass sherds.
161.22-24	STP 2021-1	0	##	3	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
162.27-30	STP 2021-2	0	115	4	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
162.31-34	STP 2021-2	0	115	4	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
163.05	STP 2021-3	0	100	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
169.02-20	STP 2021-3 + 5m South	0	110	19	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
164.09	STP 2021-4	0	110	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
170.19	STP 2021-4 + 5m East	0	90	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
166.2	STP 2021-6	0	100	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
264.35-44	STP 2021-9	0	100	10	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
264.45-64	STP 2021-9	0	100	20	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
265.75-108	STP 2021-9	100	125	34	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
265.109-344	STP 2021-9	100	125	236	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
266.59-62	STP 2021-10	0	125	4	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
266.63-78	STP 2021-10	0	125	16	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
268.39	STP 2021-11 Extension			1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
268.40-43	STP 2021-11 Extension			4	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
268.01	STP 2021-11 Extension			1	brass (alloy)	penny coin	This is a Lincoln head penny (post 1982).
163.1	STP 2021-3	0	100	1	bone (material)	remains (object portion)	This is a fish bone.
169.23	STP 2021-3 + 5m South	0	110	1	bone (material)	remains (object portion)	This is a bone fragment.
166.24	STP 2021-6	0	##	1	shell (animal material)	remains (object portion)	This is a bivalve shell fragment.
265.351	STP 2021-9	100	125	1	bone (material)	remains (object portion)	This is a bone fragment.
266.88	STP 2021-10	0	125	1	shell (animal material)	remains (object portion)	This is a bivalve shell fragment.
266.89-93	STP 2021-10	0	125	5	bone (material)	remains (object portion)	These are bone fragments.
267.24	STP 2021-11			1	wood (plant material)	remains (object portion)	This is a milled wood fragment.
266.16	STP 2021-10	0	125	1	low carbon steel	roofing nail	This is a 1" roofing nail.
161.27	STP 2021-1	0	100	1	mortar (filler)	sample	This is a mortar sample.
161.28	STP 2021-1	0	100	1	asphalt (bituminous material)	sample	This is an asphalt sample.
161.29	STP 2021-1	0	100	1	clinker	sample	This is a clinker sample.
162.39	STP 2021-2	0	115	1	concrete	sample	This is a concrete sample.
162.4	STP 2021-2	0	115	1	mortar (filler)	sample	This is a mortar sample.
162.41	STP 2021-2	0	115	1	anthracite	sample	This is an anthracite/coal sample.
162.42	STP 2021-2	0	115	1	clinker	sample	This is a clinker sample.
163.07	STP 2021-3	0	100	1	concrete	sample	This is a concrete sample.
163.08	STP 2021-3	0	100	1	concrete	sample	This is a concrete and iron sample.
163.09	STP 2021-3	0	100	1	asphalt (bituminous material)	sample	This is an asphalt sample.
169.22	STP 2021-3 + 5m South	0	110	1	clinker	sample	This is a clinker sample.
164.12	STP 2021-4	0	110	1	anthracite	sample	This is an anthracite/coal sample.
164.13	STP 2021-4	0	110	1	clinker	sample	This is a clinker sample.
170.2	STP 2021-4 + 5m East	0	90	1	mortar (filler)	sample	This is a mortar sample.
170.21	STP 2021-4 + 5m East	0	90	1	clinker	sample	This is a clinker sample.
170.22	STP 2021-4 + 5m East	0	90	1	slag	sample	This is a slag sample.
171.07	STP 2021-4 + 10m East	0	85	1	clinker	sample	This is a clinker sample.
165.04	STP 2021-5	0	100	1	mortar (filler)	sample	This is a mortar sample.
165.05	STP 2021-5	0	100	1	clinker	sample	This is a clinker sample.

Catalog #	HorizontalUnit#	Start CM	End CM	Count	Materials1	Object Name	Description
165.06	STP 2021-5	0	100	1	asphalt (bituminous material)	sample	This is an asphalt sample.
166.22	STP 2021-6	0	100	1	anthracite	sample	This is an anthracite/coal sample.
166.23	STP 2021-6	0	100	1	clinker	sample	This is a clinker sample.
167.03	STP 2021-7	0	90	1	anthracite	sample	This is an anthracite/coal sample.
167.04	STP 2021-7	0	90	1	clinker	sample	This is a clinker sample.
168.14	STP 2021-8	0	90	1	anthracite	sample	This is an anthracite/coal sample.
168.15	STP 2021-8	0	90	1	clinker	sample	This is a clinker sample.
264.72	STP 2021-9	0	100	1	mortar (filler)	sample	This is a mortar sample.
264.73	STP 2021-9	0	100	1	concrete	sample	This is a concrete sample.
264.74	STP 2021-9	0	100	1	clinker	sample	This is a clinker sample.
266.94	STP 2021-10	0	125	1	clinker	sample	This is a clinker sample.
267.25	STP 2021-11			1	anthracite	sample	This is an anthracite/coal sample.
267.26	STP 2021-11			1	concrete	sample	This is a concrete sample.
267.27	STP 2021-11			1	asphalt (bituminous material)	sample	This is an asphalt sample.
267.28	STP 2021-11			1	clinker	sample	This is a clinker sample.
268.74	STP 2021-11 Extension			1	mortar (filler)	sample	This is a mortar sample.
268.75	STP 2021-11 Extension			1	anthracite	sample	This is an anthracite/coal sample.
268.76	STP 2021-11 Extension			1	clinker	sample	This is a clinker sample.
265.345-349	STP 2021-9	100	125	5	glass (material)	sherd	These are melted glass sherds.
267.16	STP 2021-11			1	porcelain (material)	sherd	This is a porcelain sherd - possibly from the kitchen or bathroom.
268.47-68	STP 2021-11 Extension			22	terracotta (clay material)	sherd	These are curved terracotta body sherds.
266.82	STP 2021-10	0	125	1	ceramic (material)	stoneware (pottery)	This is a salt glazed stoneware body sherd.
165.01	STP 2021-5	0	100	1	low carbon steel	strap (fastener)	This is a metal strap fragment.
266.38-39	STP 2021-10	0	125	2	iron (metal)	strap (fastener)	These are two iron strap fragments.
268.08	STP 2021-11 Extension			1	low carbon steel	strap (fastener)	This is a metal strap fragment.
266.15	STP 2021-10	0	125	1	low carbon steel	tack	This is a 1" tack.
164.14-15	STP 2021-4	63	63	2	quartz (mineral)	tertiary flake	These are quartz flakes that mend together. A piece broke off of the main flake in the field.
161.25	STP 2021-1	0	100	1	architectural terra cotta	tiles (object genre)	This is a flat terra cotta tile sherd.
165.07	STP 2021-5	0	100	1	linoleum	tiles (object genre)	This is a linoleum tile fragment.
264.69	STP 2021-9	0	100	1	architectural terra cotta	tiles (object genre)	This is a flat, terra cotta tile sherd with grooves.
265.350	STP 2021-9	100	125	1	terracotta (clay material)	tiles (object genre)	This is a curved terracotta tile sherd.
266.83	STP 2021-10	0	125	1	architectural terra cotta	tiles (object genre)	This is a curved terracotta tile sherd.
267.21-22	STP 2021-11			2	architectural terra cotta	tiles (object genre)	These are curved, glazed terracotta tile sherds.
268.69-70	STP 2021-11 Extension			2	architectural terra cotta	tiles (object genre)	These are flat terracotta tile sherds.
268.71	STP 2021-11 Extension			1	architectural terra cotta	tiles (object genre)	This is a curved, glazed, terracotta tile sherd
264.12	STP 2021-9	0	100	1	low carbon steel	washer (fastener)	This is a 1.5" diameter washer.
268.07	STP 2021-11 Extension			1	low carbon steel	washer (fastener)	This is a washer with a 1.75" diameter.
164.1	STP 2021-4	0	110	1	ceramic (material)	whiteware	This is a whiteware base sherd.
166.21	STP 2021-6	0	100	1	ceramic (material)	whiteware	This is a whiteware body sherd.
264.65-66	STP 2021-9	0	100	2	ceramic (material)	whiteware	These are whiteware body sherds.
266.79-81	STP 2021-10	0	125	3	ceramic (material)	whiteware	These are whiteware body sherds.
170.03-04	STP 2021-4 + 5m East	0	90	2	low carbon steel	wire	These are 12 gauge wire fragments.
266.40	STP 2021-10	0	125	1	low carbon steel	wire	This is a 10 gauge wire fragment.
266.43	STP 2021-10	0	125	1	copper (metal)	wire	This is a 9 gauge copper wire fragment.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
149.01	Unit 1	Level 1	0	5	1	brass (alloy)	necklace	Gold plated necklace chain and glass heart costume jewelry. "Korea" hallmark on clasp.
149.02	Unit 1	Level 1	0	5	1	low carbon steel	bolt (fastener)	Low carbon steel bolt with allen key head.
149.03	Unit 1	Level 1	0	5	1	glass (material)	container (receptacle)	Bolt with washer with allen- key head.
149.04	Unit 1	Level 1	0	5	1	plastic (material)	wrapper (container)	Plastic candy wrapper "All...Whole Soy" text present.
150.01	Unit 1	Level 2	5	10	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
150.02	Unit 1	Level 2	5	10	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
150.03-05	Unit 1	Level 2	5	10	3	glass (material)	pane (architectural elements)	These are colorless flat glass sherds.
150.06-07	Unit 1	Level 2	5	10	2	glass (material)	pane (architectural elements)	These are mirror glass sherds.
150.08	Unit 1	Level 2	5	10	1	clinker	sample	This is a clinker sample.
150.09	Unit 1	Level 2	5	10	1	concrete	sample	This is a concrete sample
150.10	Unit 1	Level 2	5	10	1	bone (material)	remains (object genre)	Bone fragment from inside of a mammal longbone - likely knocked off by a cleaver.
150.11	Unit 1	Level 2	5	10	1	plastic (material)	wrapper (container)	This is a Nicotine gum wrapper - expiration date October 2, 2004.
150.12-14	Unit 1	Level 2	5	10	3	plastic (material)	eyeglasses	These are pieces of an eyeglasses frame.
150.15	Unit 1	Level 2	5	10	1	plastic (material)	bottle cap	This is a Dasani water bottle cap.
150.16-18	Unit 1	Level 2	5	10	3	plastic (material)	wrapper (container)	These are Reeses Peanut Butter Cup wrappers.
151.01	Unit 1	Level 3	10	15	1	bone (material)	button (fastener)	This is a machine manufactured bone button - mammal bone.
151.02	Unit 1	Level 3	10	15	1	low carbon steel	rail spike	This is a 6" rail spike with a chisel point.
151.03-05	Unit 1	Level 3	10	15	3	low carbon steel	common nail	These are common nail shanks.
151.06-07	Unit 1	Level 3	10	15	2	low carbon steel	cut nail	These are cut nail shanks.
151.08	Unit 1	Level 3	10	15	1	low carbon steel	can (container)	This is a can fragment.
151.09	Unit 1	Level 3	10	15	1	cast iron	fragment (object portion)	This is a cast iron fragment.
151.10-12	Unit 1	Level 3	10	15	3	glass (material)	container (receptacle)	These are colorless container glass body sherds.
151.13-17	Unit 1	Level 3	10	15	5	glass (material)	container (receptacle)	These are light blue container glass body sherds.
151.18-19	Unit 1	Level 3	10	15	1	glass (material)	container (receptacle)	These are brown container glass body sherds.
151.20	Unit 1	Level 3	10	15	1	glass (material)	lighting device component	This is lamp glass.
151.21	Unit 1	Level 3	10	15	1	glass (material)	pane (architectural elements)	This is a thick, flat glass sherd.
151.22-34	Unit 1	Level 3	10	15	13	glass (material)	pane (architectural elements)	These are thin, flat glass sherds.
151.35	Unit 1	Level 3	10	15	1	porcelain (material)	container (receptacle)	This is a porcelain body sherd.
151.36	Unit 1	Level 3	10	15	1	ceramic (material)	whiteware	This is a whiteware base sherd with an embossed braided design.
151.37	Unit 1	Level 3	10	15	1	ceramic (material)	whiteware	This is a whiteware body sherd.
151.38	Unit 1	Level 3	10	15	1	ceramic (material)	stoneware (pottery)	This is a stoneware rim sherd with a salt glazed exterior and an Albany slip glaze on the interior.
151.39-45	Unit 1	Level 3	10	15	7	architectural terra cotta	tiles (object genre)	These are flat, terra cotta tile sherds - unglazed.
151.46-47	Unit 1	Level 3	10	15	2	brick (clay material)	brick (visual works)	These are red brick fragments.
151.48-49	Unit 1	Level 3	10	15	2	bone (material)	remains (object genre)	These are mammal phalanges - possibly pig. They mend together.
151.50	Unit 1	Level 3	10	15	1	bone (material)	remains (object genre)	This is a mammal phalange - possibly pig.
151.51	Unit 1	Level 3	10	15	1	bone (material)	remains (object genre)	This is a mammal bone fragment.
151.52	Unit 1	Level 3	10	15	1	asphalt (bituminous material)	sample	This is an asphalt sample.
152.01	Unit 1	Level 4	15	20	1	low carbon steel	common nail	This is a 2.5" common nail.
152.02	Unit 1	Level 4	15	20	1	low carbon steel	roofing nail	This is a 1.5" common roofing nail.
152.03	Unit 1	Level 4	15	20	1	low carbon steel	bolt (fastener)	This is a 1.25" bolt.
152.04-05	Unit 1	Level 4	15	20	2	iron (metal)	strap (fastener)	These are iron strap fragments.
152.06	Unit 1	Level 4	15	20	1	iron (metal)	fragment (object portion)	This is a fragment of iron, gravel, and sand fused together.
152.07-08	Unit 1	Level 4	15	20	2	glass (material)	container (receptacle)	These are colorless container glass body sherds.
152.09	Unit 1	Level 4	15	20	1	glass (material)	pane (architectural element)	This is a colorless, thick, flat glass sherd.
152.10-12	Unit 1	Level 4	15	20	3	glass (material)	pane (architectural element)	These are colorless, thin, flat glass sherds.
152.13	Unit 1	Level 4	15	20	1	glass (material)	lighting device component	This is a lamp glass sherd.
152.14	Unit 1	Level 4	15	20	1	bone (material)	remains (object genre)	This is a bird bone fragment with a cut mark.
153.01	Unit 1	Level 5	20	25	1	low carbon steel	common nail	This is a 4" common nail.
153.02	Unit 1	Level 5	20	25	1	low carbon steel	common nail	This is a 1.25" common nail.
153.03-07	Unit 1	Level 5	20	25	5	low carbon steel	common nail	These are common nail shanks.
153.08	Unit 1	Level 5	20	25	1	low carbon steel	cut nail	This is a 2.5" cut nail.
153.09-10	Unit 1	Level 5	20	25	2	low carbon steel	screw	These are 1.25" screws with slotted heads.
153.11	Unit 1	Level 5	20	25	1	low carbon steel	bolt (fastener)	This is a 2.5" bolt.
153.12	Unit 1	Level 5	20	25	1	iron (metal)	buckle (strap accessory)	This is a buckle fragment.
153.13-15	Unit 1	Level 5	20	25	3	iron (metal)	can (container)	These are metal can fragments.
153.16-17	Unit 1	Level 5	20	25	2	cast iron	fragment (object portion)	These are cast iron fragments.
153.18	Unit 1	Level 5	20	25	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "PIN."

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
153.19-23	Unit 1	Level 5	20	25	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
153.24-25	Unit 1	Level 5	20	25	2	glass (material)	bottle	These are brown bottle glass prescription lip and neck sherds. The lip and neck are both molded and mend together. Post 1910s.
153.26	Unit 1	Level 5	20	25	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
153.27-30	Unit 1	Level 5	20	25	4	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
153.31-34	Unit 1	Level 5	20	25	4	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
153.35	Unit 1	Level 5	20	25	1	glass (material)	sherd	This is a melted glass sherd.
153.36-37	Unit 1	Level 5	20	25	2	porcelain (material)	handle (component)	These are porcelain handle fragments from a cup. They mend together.
153.38	Unit 1	Level 5	20	25	1	ceramic (material)	whiteware	This is a whiteware body sherd.
153.39	Unit 1	Level 5	20	25	1	architectural terra cotta	tiles (object genre)	This is a flat, terra cotta tile fragment.
153.40	Unit 1	Level 5	20	25	1	clinker	sample	This is a clinker sample.
153.41	Unit 1	Level 5	20	25	1	plastic (material)	sheet (flat object)	This is a 4.2" thick plastic sheet fragment.
154.01-03	Unit 1	Level 6	25	30	3	low carbon steel	common nail	These are common nail shanks.
154.04	Unit 1	Level 6	25	30	1	low carbon steel	cut nail	This is a 2.5" cut nail.
154.05	Unit 1	Level 6	25	30	1	low carbon steel	cut nail	This is a 2.25" cut nail.
154.06-07	Unit 1	Level 6	25	30	2	low carbon steel	cut nail	These are cut nail head and shank fragments.
154.08-09	Unit 1	Level 6	25	30	2	low carbon steel	cut nail	These are cut nail shanks.
154.10	Unit 1	Level 6	25	30	1	low carbon steel	screw	This is a 1.25" slotted head screw.
154.11	Unit 1	Level 6	25	30	1	low carbon steel	bolt (fastener)	This is a bolt shank fragment.
154.12-13	Unit 1	Level 6	25	30	2	low carbon steel	wire	This is a 9 gauge wire fragment.
154.14-18	Unit 1	Level 6	25	30	5	low carbon steel	can (container)	These are can fragments.
154.19-20	Unit 1	Level 6	25	30	2	glass (material)	jar	These are colorless, threaded lip sherds from a jar.
154.21-23	Unit 1	Level 6	25	30	3	glass (material)	container (receptacle)	These are colorless, container glass body sherds.
154.24-25	Unit 1	Level 6	25	30	2	glass (material)	container (receptacle)	These are colorless, container glass body sherds with an amethyst tint.
154.26	Unit 1	Level 6	25	30	2	glass (material)	container (receptacle)	This is a colorless container glass body sherd with air bubbles.
154.27-29	Unit 1	Level 6	25	30	3	glass (material)	container (receptacle)	These are brown container glass body sherds.
154.30-36	Unit 1	Level 6	25	30	7	glass (material)	pane (architectural element)	These are colorless, thick, flat glass sherds.
154.37-62	Unit 1	Level 6	25	30	26	glass (material)	pane (architectural element)	These are colorless, thin, flat glass sherds.
154.63	Unit 1	Level 6	25	30	1	glass (material)	sherd	This is a melted glass sherd.
154.64	Unit 1	Level 6	25	30	1	porcelain (material)	insulator	This is a porcelain insulator sherd.
154.65	Unit 1	Level 6	25	30	1	ceramic (material)	whiteware	This is a whiteware body sherd.
154.66-67	Unit 1	Level 6	25	30	2	brick (clay material)	brick (visual works)	These are red brick fragments.
154.68	Unit 1	Level 6	25	30	1	wood (plant material)	remains (object genre)	This is a wood fragment.
154.69	Unit 1	Level 6	25	30	1	coal	sample	This is a coal sample.
154.70-72	Unit 1	Level 6	25	30	3	clinker	sample	These are clinker samples.
154.73	Unit 1	Level 6	25	30	1	plastic (material)	taillight	This is a red, plastic tail light fragment.
155.01	Unit 1	Level 7	30	35	1	low carbon steel	common nail	This is a 1.25" common nail.
155.02	Unit 1	Level 7	30	35	1	low carbon steel	common nail	This is a common nail head and shank fragment.
155.03-05	Unit 1	Level 7	30	35	3	low carbon steel	common nail	These are common nail shanks.
155.06-07	Unit 1	Level 7	30	35	2	low carbon steel	tack	This is a 0.75" tack.
155.08	Unit 1	Level 7	30	35	1	low carbon steel	cut nail	This is a 1.25" cut nail.
155.09	Unit 1	Level 7	30	35	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
155.10-11	Unit 1	Level 7	30	35	2	low carbon steel	cut nail	These are cut nail shank fragments.
155.12	Unit 1	Level 7	30	35	1	low carbon steel	screw	This is a 2.0" screw with a slotted head.
155.13	Unit 1	Level 7	30	35	1	low carbon steel	bolt (fastener)	This is a bolt shank fragment.
155.14-15	Unit 1	Level 7	30	35	2	iron (metal)	washer (fastener)	These are washer fragments that mend together.
155.16	Unit 1	Level 7	30	35	1	low carbon steel	wire	This is a 9 gauge wire fragment.
155.17-18	Unit 1	Level 7	30	35	2	glass (material)	container (receptacle)	These are two colorless container glass base sherds with embossing. One says "7710" with an "H" directly below the numbers. The other has a stippling on the glass (post 1945).
155.19	Unit 1	Level 7	30	35	1	glass (material)	container (receptacle)	This is a colorless container glass rim sherd with an embossed anular design.
155.20-34	Unit 1	Level 7	30	35	20	glass (material)	container (receptacle)	These are colorless container glass body sherds.
155.35	Unit 1	Level 7	30	35	1	glass (material)	container (receptacle)	This is a brown bottle glass base sherd with embossing - "B" (possibly American Bottle Co. or Buck Bottle Co.?)
155.36-37	Unit 1	Level 7	30	35	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
155.38	Unit 1	Level 7	30	35	1	glass (material)	sherd	This is a privacy glass sherd.
155.39-44	Unit 1	Level 7	30	35	6	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
155.45-65	Unit 1	Level 7	30	35	21	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
155.66	Unit 1	Level 7	30	35	1	brick (clay material)	brick (visual works)	This is a red brick fragment.

Catalog #	Horizontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
155.67	Unit 1	Level 7	30	35	1	mortar (filler)	sample	This is a mortar sample.
155.68	Unit 1	Level 7	30	35	1	clinker	sample	This is a clinker sample.
155.69	Unit 1	Level 7	30	35	1	bone (material)	remains (object genre)	This is a mammal long bone fragment - saw cut.
155.70	Unit 1	Level 7	30	35	1	plastic (material)	stem (object component)	This is a plastic stem fragment.
156.01-03	Unit 1	Level 7	30	35	3	low carbon steel	common nail	These are common nail shanks.
156.04	Unit 1	Level 8	35	40	1	low carbon steel	screw	This is a 3" slotted head screw.
156.05	Unit 1	Level 8	35	40	1	low carbon steel	screw	This is a 2" slotted head screw.
156.06	Unit 1	Level 8	35	40	1	low carbon steel	screw	This is a 1.5" slotted head screw.
156.07	Unit 1	Level 8	35	40	1	low carbon steel	staple	This is a staple.
156.08	Unit 1	Level 8	35	40	1	aluminum (metal)	cap cover	This is a milk bottle cap cover.
156.09	Unit 1	Level 8	35	40	1	low carbon steel	wire	This is a 4 gauge wire fragment.
156.10-15	Unit 1	Level 8	35	40	6	iron (metal)	fragment (object portion)	These are non-descript iron fragments.
156.16	Unit 1	Level 8	35	40	1	glass (material)	insulator	This is a colorless glass insulator sherd.
156.17-22	Unit 1	Level 8	35	40	6	glass (material)	container (receptacle)	These are colorless container glass body sherds.
156.23	Unit 1	Level 8	35	40	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
156.24	Unit 1	Level 8	35	40	1	glass (material)	container (receptacle)	This is a red, container glass body sherd.
156.25	Unit 1	Level 8	35	40	1	glass (material)	lighting device component	This is a black glass sherd that may have been the base of a lightbulb.
156.26-27	Unit 1	Level 8	35	40	2	glass (material)	pane (architectural element)	These are colorless, thick, flat glass sherds.
156.28-33	Unit 1	Level 8	35	40	6	glass (material)	pane (architectural element)	These are colorless, thin, flat glass sherds.
156.34	Unit 1	Level 8	35	40	1	ceramic (material)	transferware	This is a transferware body sherd.
156.35	Unit 1	Level 8	35	40	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
156.36	Unit 1	Level 8	35	40	1	slate (rock)	fragment (object portion)	This is a gray slate fragment - possibly used for roofing.
157.01	Unit 1	Level 9	40	45	1	low carbon steel	common nail	This is a 3.25" common nail.
157.02	Unit 1	Level 9	40	45	1	low carbon steel	common nail	This is a common nail shank.
157.03	Unit 1	Level 9	40	45	1	low carbon steel	cut nail	This is a 3" cut nail.
157.04	Unit 1	Level 9	40	45	1	low carbon steel	cut nail	This is a 2" cut nail.
157.05	Unit 1	Level 9	40	45	1	low carbon steel	cut nail	This is a 1" cut nail.
157.06-07	Unit 1	Level 9	40	45	2	low carbon steel	cut nail	These are cut nail shanks.
157.08-09	Unit 1	Level 9	40	45	2	low carbon steel	screw	These are 1.5" slotted head screws.
157.10	Unit 1	Level 9	40	45	1	low carbon steel	screw	This is a 0.75" screw.
157.11	Unit 1	Level 9	40	45	1	low carbon steel	rivet	This is a rivet.
157.12	Unit 1	Level 9	40	45	1	low carbon steel	wire	This is a 7 gauge wire fragment.
157.13-14	Unit 1	Level 9	40	45	2	low carbon steel	can (container)	These are metal can fragments.
157.15	Unit 1	Level 9	40	45	1	cast iron	sheet (flat object)	This is a cast iron sheet fragment.
157.16-20	Unit 1	Level 9	40	45	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
157.21	Unit 1	Level 9	40	45	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
157.22	Unit 1	Level 9	40	45	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
157.23-33	Unit 1	Level 9	40	45	11	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
157.34-43	Unit 1	Level 9	40	45	10	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
157.44	Unit 1	Level 9	40	45	1	glass (material)	lighting device component	This is a lamp glass sherd.
157.45	Unit 1	Level 9	40	45	1	clay	pipe stem	This is a white ball clay pipestem fragment.
157.46-47	Unit 1	Level 9	40	45	2	ceramic (material)	whiteware	These are whiteware body sherds.
157.48	Unit 1	Level 9	40	45	1	architectural terra cotta	tiles (object genre)	This is a flat, terra cotta tile fragment.
157.49	Unit 1	Level 9	40	45	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
157.50	Unit 1	Level 9	40	45	1	wood (plant material)	remains (object genre)	This is a wood fragment.
158.01-04	Unit 1	Level 10	45	50	4	low carbon steel	common nail	These are common nail shanks.
158.05	Unit 1	Level 10	45	50	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
158.06-10	Unit 1	Level 10	45	50	5	low carbon steel	cut nail	These are cut nail shanks.
158.11	Unit 1	Level 10	45	50	1	low carbon steel	rivet	This is a rivet.
158.12	Unit 1	Level 10	45	50	1	iron (metal)	fragment (object portion)	This is an unidentified iron fragment.
158.13-19	Unit 1	Level 10	45	50	7	glass (material)	container (receptacle)	These are colorless container glass body sherds.
158.20-21	Unit 1	Level 10	45	50	2	glass (material)	container (receptacle)	These are light blue container glass body sherds.
158.22-25	Unit 1	Level 10	45	50	4	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
158.25-29	Unit 1	Level 10	45	50	5	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
158.30	Unit 1	Level 10	45	50	1	ceramic (material)	whiteware	This is a whiteware base sherd with a possible maker's mark on the bottom.
159.01	Unit 2	Level 1	0	5	1	clinker	sample	This is a clinker sample.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
160.01	Unit 2	Level 2	5	10	1	low carbon steel	common nail	This is a common nail shank.
160.02	Unit 2	Level 2	5	10	1	low carbon steel	tent stake	This is a 6" tent stake.
160.03	Unit 2	Level 2	5	10	1	low carbon steel	nut (fastener)	This is a hex nut.
160.04	Unit 2	Level 2	5	10	1	low carbon steel	washer (fastener)	This is a 1" washer
160.05	Unit 2	Level 2	5	10	1	copper (metal)	wire	This is a 6 gauge copper wire fragment.
160.06	Unit 2	Level 2	5	10	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
160.07	Unit 2	Level 2	5	10	1	clinker	sample	This is a clinker sample.
172.01	Unit 1	Level 11	50	55	1	low carbon steel	common nail	This is a common nail head and shank fragment.
172.02-03	Unit 1	Level 11	50	55	2	low carbon steel	common nail	These are common nail shanks.
172.04	Unit 1	Level 11	50	55	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
172.05	Unit 1	Level 11	50	55	1	low carbon steel	bolt (fastener)	This is a 1.5" bolt.
172.06	Unit 1	Level 11	50	55	1	low carbon steel	strap (fastener)	This is a metal strap fragment.
172.07	Unit 1	Level 11	50	55	1	metal	wrapper (container)	This is a metal foil wrapper fragment
172.08	Unit 1	Level 11	50	55	1	iron (metal)	fragment (object portion)	This is an iron fragment.
172.09	Unit 1	Level 11	50	55	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "E."
172.10-13	Unit 1	Level 11	50	55	4	glass (material)	container (receptacle)	These are colorless container glass body sherds.
172.14-18	Unit 1	Level 11	50	55	5	glass (material)	pane (architectural element)	These are colorless, flat glass sherds.
172.19-31	Unit 1	Level 11	50	55	13	glass (material)	pane (architectural element)	These are thin, flat, glass sherds.
172.32	Unit 1	Level 11	50	55	1	glass (material)	lighting device component	This is a lamp glass sherd.
172.33	Unit 1	Level 11	50	55	1	ceramic (material)	whiteware	This is a whiteware base sherd.
172.34	Unit 1	Level 11	50	55	1	ceramic (material)	whiteware	This is a whiteware body sherd.
172.35	Unit 1	Level 11	50	55	1	ceramic (material)	ironstone (pottery)	This is an ironstone body sherd that has been partially burned.
172.36	Unit 1	Level 11	50	55	1	asphalt (bituminous material)	asphalt shingle	This is an asphalt shingle fragment.
172.37	Unit 1	Level 11	50	55	1	rubber (material)	sheet (flat object)	This is a rubber sheet fragment with grooves.
174.01	Unit 1	Level 12	55	60	1	low carbon steel	common nail	This is a 3.5" common nail.
174.02	Unit 1	Level 12	55	60	1	low carbon steel	common nail	This is a 2.75" common nail.
174.03	Unit 1	Level 12	55	60	1	low carbon steel	common nail	This is a 2.5" common nail.
174.04	Unit 1	Level 12	55	60	1	low carbon steel	roofing nail	This is a 2.0" common roofing nail.
174.05	Unit 1	Level 12	55	60	1	low carbon steel	tack	This is a 1.0" tack.
174.06-09	Unit 1	Level 12	55	60	4	low carbon steel	common nail	These are common nail shanks.
174.10	Unit 1	Level 12	55	60	1	low carbon steel	screw	This is a 2" slotted head screw.
174.11	Unit 1	Level 12	55	60	1	low carbon steel	screw	This is a 1.5" screw.
174.12	Unit 1	Level 12	55	60	1	low carbon steel	screw	This is a 1" screw.
174.13	Unit 1	Level 12	55	60	1	copper (metal)	washer (fastener)	This is a 0.5" diameter washer.
174.14-21	Unit 1	Level 12	55	60	8	low carbon steel	fragment (object portion)	These are unidentified metal fragments.
174.22	Unit 1	Level 12	55	60	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with stippling (Post-1945).
174.23-37	Unit 1	Level 12	55	60	15	glass (material)	container (receptacle)	These are colorless container glass body sherds.
174.38-39	Unit 1	Level 12	55	60	2	glass (material)	container (receptacle)	These are light blue container glass body sherds.
174.40-43	Unit 1	Level 12	55	60	4	glass (material)	container (receptacle)	These are brown container glass body sherds.
174.44	Unit 1	Level 12	55	60	1	glass (material)	pane (architectural element)	This is a colorless, thick, flat glass sherd.
174.45-52	Unit 1	Level 12	55	60	8	glass (material)	pane (architectural element)	These are colorless, thick, flat glass sherds.
174.53-55	Unit 1	Level 12	55	60	3	glass (material)	lighting device component	These are lamp glass sherds.
174.56	Unit 1	Level 12	55	60	1	ceramic (material)	whiteware	This is a whiteware base sherd.
174.57-58	Unit 1	Level 12	55	60	2	ceramic (material)	whiteware	These are whiteware body sherds.
174.59	Unit 1	Level 12	55	60	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
174.60-63	Unit 1	Level 12	55	60	4	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments. One is from a plastic Solo cup, and another is part of a utensil. The others are unidentified.
175.01	Unit 1	Level 13	60	65	1	low carbon steel	common nail	This is a 2.5" common nail.
175.02	Unit 1	Level 13	60	65	1	low carbon steel	double-headed nail	This is a 2.25" double-headed/duplex nail.
175.03	Unit 1	Level 13	60	65	1	low carbon steel	common nail	This is a 2.25" common nail.
175.04	Unit 1	Level 13	60	65	1	low carbon steel	common nail	This is a 1.25" common nail.
175.05	Unit 1	Level 13	60	65	1	low carbon steel	roofing nail	is is a 1" roofing nail.
175.06-07	Unit 1	Level 13	60	65	2	low carbon steel	common nail	These are common nail head and shank fragments.
175.08-09	Unit 1	Level 13	60	65	2	low carbon steel	common nail	These are common nail shanks.
175.10	Unit 1	Level 13	60	65	1	low carbon steel	cut nail	This is a 4" cut nail.
175.11	Unit 1	Level 13	60	65	1	low carbon steel	cut nail	This is a 2.75" cut nail.
176.12-14	Unit 1	Level 13	60	65	3	low carbon steel	cut nail	These are cut nail shank fragments.

Horzont Catalog #	alProv.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
176.15-16	Unit 1	Level 13	60	65	2	low carbon steel	can (container)	These are can fragments.
176.17	Unit 1	Level 13	60	65	1	wrought-iron (iron alloy)	handle (component)	This is a wrought-iron handle fragment.
176.18	Unit 1	Level 13	60	65	1	low carbon steel	sheet (flat object)	This is a sheet metal fragment.
176.19-21	Unit 1	Level 13	60	65	3	low carbon steel	wire	These are 3 gauge wire fragments.
176.22-24	Unit 1	Level 13	60	65	3	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
176.25	Unit 1	Level 13	60	65	1	glass (material)	container (receptacle)	This is a container glass base sherd with stippling (Post-1945).
176.26-44	Unit 1	Level 13	60	65	19	glass (material)	container (receptacle)	These are colorless container glass body sherds.
176.45-46	Unit 1	Level 13	60	65	2	glass (material)	container (receptacle)	These are light blue container glass body sherds.
176.47-48	Unit 1	Level 13	60	65	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
176.49-51	Unit 1	Level 13	60	65	3	glass (material)	pane (architectural element)	These are colorless, thick, flat glass sherds.
176.52-57	Unit 1	Level 13	60	65	6	glass (material)	pane (architectural element)	These are colorless, thin, flat glass sherds.
176.58-60	Unit 1	Level 13	60	65	3	glass (material)	lighting device component	These are colorless, lamp glass sherds.
176.61	Unit 1	Level 13	60	65	1	porcelain (material)	insulator	This is a porcelain insulator sherd.
176.62	Unit 1	Level 13	60	65	1	ceramic (material)	whiteware	This is a whiteware base sherd.
176.63-64	Unit 1	Level 13	60	65	2	ceramic (material)	whiteware	These are whiteware body sherds.
176.65	Unit 1	Level 13	60	65	1	architectural terra cotta	tiles (object genre)	This is a terra cotta tile sherd that is glazed on the inside.
176.66	Unit 1	Level 13	60	65	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
176.67-68	Unit 1	Level 13	60	65	2	plastic (material)	container (receptacle)	These are plastic container fragments.
180.01-02	Unit 1	Level 14	65	70	2	low carbon steel	common nail	These are common nail shanks.
180.03	Unit 1	Level 14	65	70	1	low carbon steel	tack	This is a 1" tack.
180.04	Unit 1	Level 14	65	70	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
180.05-07	Unit 1	Level 14	65	70	3	low carbon steel	cut nail	These are cut nail shanks.
180.08	Unit 1	Level 14	65	70	1	low carbon steel	screw	This is a 1.5" slotted head screw.
180.09	Unit 1	Level 14	65	70	1	low carbon steel	rivet	This is a rivet.
180.10	Unit 1	Level 14	65	70	1	low carbon steel	nut (fastener)	This is a 0.5" diameter hex nut.
180.11-22	Unit 1	Level 14	65	70	12	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
180.23-40	Unit 1	Level 14	65	70	18	glass (material)	container (receptacle)	These are colorless container glass body sherds.
180.41	Unit 1	Level 14	65	70	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
180.42	Unit 1	Level 14	65	70	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
180.43	Unit 1	Level 14	65	70	1	pressed glass	container (receptacle)	This is a pressed glass body sherd with a "diamond pattern."
180.44	Unit 1	Level 14	65	70	1	pressed glass	container (receptacle)	This is an opaque white, pressed glass body sherd.
180.45	Unit 1	Level 14	65	70	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
180.46	Unit 1	Level 14	65	70	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
180.47	Unit 1	Level 15	65	70	1	plastic (material)	container (receptacle)	This is a colorless, plastic container fragment.
182.01	Unit 1	Level 15	70	75	1	aluminum (metal)	can (container)	This is an aluminum can tab. Type T-III-1 1965 to 1980 ,Wijnen 2020
182.02-04	Unit 1	Level 15	70	75	3	low carbon steel	common nail	This is a cut nail head and shank fragment.
182.05	Unit 1	Level 15	70	75	1	low carbon steel	cut nail	This is a cut nail shank.
182.06	Unit 1	Level 15	70	75	1	low carbon steel	cut nail	This is a cast iron fragment - possibly a stove grate.
182.07	Unit 1	Level 15	70	75	1	cast iron	fragment (object portion)	This is a metal strap fragment.
182.08	Unit 1	Level 15	70	75	1	low carbon steel	strap (fastener)	These are 7 gauge wire fragments.
182.09-10	Unit 1	Level 15	70	75	2	low carbon steel	wire	These are unidentified metal fragments.
182.11-15	Unit 1	Level 15	70	75	5	low carbon steel	fragment (object portion)	These are unidentified metal fragments.
182.16	Unit 1	Level 15	70	75	1	glass (material)	container (receptacle)	This is a container glass body sherd with embossing - "S."
182.17-21	Unit 1	Level 15	70	75	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
182.22	Unit 1	Level 15	70	75	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
182.23	Unit 1	Level 15	70	75	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
182.24	Unit 1	Level 15	70	75	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
182.25	Unit 1	Level 15	70	75	1	glass (material)	sherd	This is a melted glass sherd.
182.26	Unit 1	Level 15	70	75	1	porcelain (material)	insulator	This is a porcelain insulator sherd with embossing - "2."
182.27	Unit 1	Level 15	70	75	1	porcelain (material)	container (receptacle)	This is a porcelain container body sherd.
182.28	Unit 1	Level 15	70	75	1	ceramic (material)	yellowware	This is a yellowware body sherd.
182.29	Unit 1	Level 15	70	75	1	coating (material)	fragment (object portion)	This is a plaster fragment.
182.30	Unit 1	Level 16	70	75	1	bone (material)	remains (object genre)	This is a bone fragment.
184.01-02	Unit 1	Level 16	75	80	2	low carbon steel	cut nail	These are 2.25" cut nails.
184.03-04	Unit 1	Level 16	75	80	2	low carbon steel	cut nail	These are cut nail shanks.
184.05-08	Unit 1	Level 16	75	80	4	iron (metal)	fragment (object portion)	These are unidentified iron fragments.

Horzont Catalog #	alProv.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
184.09-12	Unit 1	Level 16	75	80	4	glass (material)	container (receptacle)	These are colorless container glass body sherds.
184.13	Unit 1	Level 16	75	80	1	glass (material)	lighting device component	This is a lamp glass sherd.
184.14	Unit 1	Level 16	75	80	1	ceramic (material)	ironstone (pottery)	This is a ironstone body sherd.
184.15	Unit 1	Level 16	75	80	1	clinker	sample	This is a clinker sample.
184.16	Unit 1	Level 16	75	80	1	plastic (material)	food storage bag	This is a Planter's Peanut bag with a peanut pants mail-in promotion. 1970-1973 approx.
184.17	Unit 1	Level 16	75	80	1	plastic (material)	container (receptacle)	This is a white plastic container fragment.
188.01	Unit 1	Level 17	80	85	1	low carbon steel	cut nail	This is a cut nail shank.
188.02	Unit 1	Level 17	80	85	1	iron (metal)	strap (fastener)	This is an iron strap fragment.
188.03-04	Unit 1	Level 17	80	85	2	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
188.05	Unit 1	Level 17	80	85	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
188.06	Unit 1	Level 17	80	85	1	glass (material)	lighting device component	This is a colorless lamp glass sherd.
191.01	Unit 1	Level 18	85	90	1	low carbon steel	double-headed nail	This is a 2.25" double-headed/duplex common nail.
191.02	Unit 1	Level 18	85	90	1	low carbon steel	cut nail	This is a 2" cut nail.
191.03-04	Unit 1	Level 18	85	90	2	glass (material)	container (receptacle)	These are colorless container glass body sherds.
191.05	Unit 1	Level 18	85	90	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
191.06	Unit 1	Level 18	85	90	1	glass (material)	lighting device component	This is a lamp glass sherd.
191.07	Unit 1	Level 18	85	90	1	glass (material)	mirror	This is a mirror glass sherd.
193.01	Unit 1	Level 19	90	95	1	low carbon steel	common nail	This is a common nail shank.
177.01	Unit 1	North wa	0	65	1	low carbon steel	cut nail	This is a 1.5" cut nail.
177.02-03	Unit 1	North wa	0	65	2	low carbon steel	sheet (flat object)	These are sheet metal fragments.
177.04	Unit 1	North wa	0	65	1	iron (metal)	fragment (object portion)	This is an unidentified iron fragment.
177.05	Unit 1	North wa	0	65	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
177.06-08	Unit 1	North wa	0	65	3	glass (material)	pane (architectural element)	These are thin flat glass sherds.
177.09	Unit 1	North wa	0	65	1	ceramic (material)	whiteware	This is a whiteware body sherd with gold leaf design.
179.01-02	Unit 1	East wal	0	65	2	low carbon steel	common nail	These are 2" common nails.
179.03	Unit 1	East wal	0	65	1	low carbon steel	common nail	This is a common nail shank.
179.04	Unit 1	East wal	0	65	1	low carbon steel	common nail	This is a common nail head and shank fragment.
179.05-06	Unit 1	East wal	0	65	2	low carbon steel	cut nail	These are cut nail shanks.
179.07	Unit 1	East wal	0	65	1	low carbon steel	rivet	This is a rivet.
179.08	Unit 1	East wal	0	65	1	iron (metal)	can (container)	This is a can fragment.
179.09-13	Unit 1	East wal	0	65	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
179.14	Unit 1	East wal	0	65	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
179.15-16	Unit 1	East wal	0	65	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
179.17-22	Unit 1	East wal	0	65	6	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
179.23	Unit 1	East wal	0	65	1	ceramic (material)	whiteware	This is a whiteware base sherd.
179.24	Unit 1	East wal	0	65	1	ceramic (material)	whiteware	This is a whiteware body sherd with embossing - "U.S."
179.25	Unit 1	East wal	0	65	1	ceramic (material)	whiteware	This is a whiteware body sherd.
179.26-27	Unit 1	East wal	0	65	2	marble (rock)	fragment (object portion)	These are marble fragments with mortar.
187.01	Unit 1	West wa	0	80	1	aluminum foil	wrapper (container)	This is an aluminum foil wrapper fragment.
187.02-04	Unit 1	West wa	0	80	3	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
187.05	Unit 1	West wa	0	80	1	ceramic (material)	whiteware	This is a whiteware rim sherd.
187.06	Unit 1	West wa	0	80	1	ceramic (material)	yellowware	This is a yellowware body sherd with a brown glaze.
173.01	Unit 2	Level 3	10	15	1	low carbon steel	common nail	This is a 4" common nail.
173.02-03	Unit 2	Level 3	10	15	2	iron (metal)	container (receptacle)	These are iron container fragments.
173.04	Unit 2	Level 3	10	15	1	low carbon steel	strap (fastener)	This is a metal strap fragment.
173.05	Unit 2	Level 3	10	15	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing.
173.06-19	Unit 2	Level 3	10	15	14	glass (material)	container (receptacle)	These are colorless container glass body sherds.
173.20-22	Unit 2	Level 3	10	15	3	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
173.23	Unit 2	Level 3	10	15	1	glass (material)	lighting device component	This is a glass lighting device component.
173.24	Unit 2	Level 3	10	15	1	opaque white glass	container (receptacle)	This is an opaque white glass body sherd.
173.25	Unit 2	Level 3	10	15	1	ceramic (material)	whiteware	This is a whiteware rim sherd.
173.26	Unit 2	Level 3	10	15	1	anthrocite	sample	This is a coal (anthrocite) sample.
173.27	Unit 2	Level 3	10	15	1	clinker	sample	This is a clinker sample.
173.28	Unit 2	Level 3	10	15	1	plastic (material)	sheet (flat object)	This is a plastic sheet fragment.
176.01	Unit 2	Level 4	15	20	1	low carbon steel	can (container)	This is a Shasta Orange Soda can - early 1970s.
176.02-03	Unit 2	Level 4	15	20	2	low carbon steel	roofing nail	These are 1.5" roofing nails.
176.04	Unit 2	Level 4	15	20	1	low carbon steel	common nail	This is a 1.25" common nail - possibly galvanized.
176.05	Unit 2	Level 4	15	20	1	cast iron	fragment (object portion)	This is a cast iron fragment.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
176.06	Unit 2	Level 4	15	20	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd with an applied label - Post 1933 through 1980s.
176.07-18	Unit 2	Level 4	15	20	12	glass (material)	container (receptacle)	These are colorless container glass body sherds.
176.19	Unit 2	Level 4	15	20	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
176.20	Unit 2	Level 4	15	20	1	glass (material)	bottle	This is a green bottle glass body sherd.
176.21-22	Unit 2	Level 4	15	20	2	glass (material)	bottle	These are brown bottle glass body sherds. One is a partial neck sherd.
176.23	Unit 2	Level 4	15	20	1	architectural terra cotta	tiles (object genre)	This is a flat, terra cotta tile sherd.
176.24	Unit 2	Level 4	15	20	1	clinker	sample	This is a clinker sample.
176.25	Unit 2	Level 4	15	20	1	concrete	sample	This is a concrete sample.
176.26-27	Unit 2	Level 4	15	20	2	bone (material)	remains (object genre)	These are mammal bone fragments.
176.28-33	Unit 2	Level 4	15	20	6	plastic (material)	fragment (object portion)	These are plastic fragments. Two of them are to the base of a solo cup and have embossing - "9-oz. NO. P-9B FOR PO579 SOLO DISPENSER"
178.01	Unit 2	Level 5	20	25	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
178.02	Unit 2	Level 5	20	25	1	anthracite	sample	This is an anthracite/coal sample.
178.03	Unit 2	Level 5	20	25	1	asphalt (bituminous material)	sample	This is an asphalt sample.
181.01	Unit 2	Level 6	25	30	1	low carbon steel	can (container)	This is a flat-top can lid (ca. 1935 to 1970). Brewery Collectors Club of America 2020.
181.02	Unit 2	Level 6	25	30	1	low carbon steel	bracket (structural element)	This is a bracket.
181.03	Unit 2	Level 6	25	30	1	glass (material)	bottle	This is a colorless rim sherd with a crown bottle finish - post 1892.
181.04-09	Unit 2	Level 6	25	30	6	glass (material)	container (receptacle)	These are colorless container glass body sherds.
181.10	Unit 2	Level 6	25	30	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
181.11	Unit 2	Level 6	25	30	1	glass (material)	container (receptacle)	This is a green container glass body sherd with an applied label - Post 1933 through 1980s.
181.12-13	Unit 2	Level 6	25	30	2	glass (material)	container (receptacle)	These are brown container glass body sherds with embossing - one says, "E LE" and the other has stippling.
181.14-15	Unit 2	Level 6	25	30	2	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
181.16	Unit 2	Level 6	25	30	1	anthracite	sample	This is an anthracite/coal sample.
181.17	Unit 2	Level 6	25	30	1	clinker	sample	This is a clinker sample.
183.01	Unit 2	Level 7	30	35	1	low carbon steel	common nail	This is a 5" common nail.
183.02-03	Unit 2	Level 7	30	35	2	low carbon steel	common nail	These are 4" common nail.
183.04-06	Unit 2	Level 7	30	35	3	low carbon steel	common nail	These are 3.5" common nails.
183.07-10	Unit 2	Level 7	30	35	4	low carbon steel	common nail	These are 2.5" common nails.
183.11-12	Unit 2	Level 7	30	35	2	low carbon steel	common nail	These are 2" common nails.
183.13	Unit 2	Level 7	30	35	1	low carbon steel	common nail	This is a 1.5" common nail.
183.14	Unit 2	Level 7	30	35	1	low carbon steel	common nail	This is a common nail shank.
183.15	Unit 2	Level 7	30	35	1	low carbon steel	cut nail	This is a 2.5" cut nail.
183.16-17	Unit 2	Level 7	30	35	2	low carbon steel	screw	These are 2" screws.
183.18-20	Unit 2	Level 7	30	35	3	low carbon steel	can (container)	These are three can lid fragments.
183.21	Unit 2	Level 7	30	35	1	low carbon steel	can (container)	This is a can base fragment.
183.22-31	Unit 2	Level 7	30	35	10	low carbon steel	can (container)	These are can fragments.
183.32-33	Unit 2	Level 7	30	35	2	low carbon steel	strap (fastener)	These are metal strap fragments with punched holes.
183.34-41	Unit 2	Level 7	30	35	8	low carbon steel	wire	These are 11 gauge wire fragments.
183.42	Unit 2	Level 7	30	35	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd - machine made (post
183.43	Unit 2	Level 7	30	35	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "FE E."
183.44-71	Unit 2	Level 7	30	35	28	glass (material)	container (receptacle)	These are colorless container glass body sherds.
183.72	Unit 2	Level 7	30	35	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
183.73-74	Unit 2	Level 7	30	35	2	glass (material)	container (receptacle)	These are brown container glass base sherds with stippling - post 1945.
183.75-80	Unit 2	Level 7	30	35	6	glass (material)	container (receptacle)	These are brown container glass body sherds.
183.81-82	Unit 2	Level 7	30	35	2	glass (material)	pane (architectural element)	These are thick, flat, glass sherds with remnants of a painted red stripe.
183.83-91	Unit 2	Level 7	30	35	9	glass (material)	pane (architectural element)	These are thick, flat, glass sherds.
183.92	Unit 2	Level 7	30	35	1	ceramic (material)	whiteware	This is a whiteware rim sherd.
183.93	Unit 2	Level 7	30	35	1	ceramic (material)	whiteware	This is a whiteware body sherd with a yellow glaze.
183.94	Unit 2	Level 7	30	35	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
183.95	Unit 2	Level 7	30	35	1	anthracite	sample	This is an anthracite/coal sample.
183.96	Unit 2	Level 7	30	35	1	clinker	sample	This is a clinker sample.
183.97	Unit 2	Level 7	30	35	1	concrete	sample	This is a concrete sample.
183.98	Unit 2	Level 7	30	35	1	rubber (material)	sheet (flat object)	This is a textured, rubber sheet fragment that has been vulcanized.

Horzont Catalog #	alProv.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
185.01-02	Unit 2	Level 8;	35	40	2	low carbon steel	strap (fastener)	These are metal strap fragments with punched holes.
185.03	Unit 2	Level 8;	35	40	1	low carbon steel	wire	This is a 9 gauge wire fragment.
185.04	Unit 2	Level 8;	35	40	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
185.05	Unit 2	Level 8;	35	40	1	anthrocite	sample	This is an anthrocite/coal sample.
185.06	Unit 2	Level 8;	35	40	1	clinker	sample	This is a clinker sample.
186.01	Unit 2	Level 8;	35	40	1	low carbon steel	common nail	This is a 4.25" common nail.
186.02	Unit 2	Level 8;	35	40	1	low carbon steel	common nail	This is a 2.5" common nail.
186.03	Unit 2	Level 8;	35	40	1	low carbon steel	roofing nail	This is a 1.75" common roofing nail.
186.04	Unit 2	Level 8;	35	40	1	low carbon steel	common nail	This is 1.5" common nail.
186.05	Unit 2	Level 8;	35	40	1	low carbon steel	common nail	This is a common nail shank.
186.06	Unit 2	Level 8;	35	40	1	low carbon steel	can (container)	This is a metal can fragment.
186.07-09	Unit 2	Level 8;	35	40	3	low carbon steel	wire	These are 9 gauge wire fragments.
186.10	Unit 2	Level 8;	35	40	1	glass (material)	bottle	This is a Owens-Illinois Company colorless bottle base sherd with embossing and stippling - "WINE" "DES. PAT. 92" "8" (ca. 1945-1966). Lockhart, Bill 2018
186.11	Unit 2	Level 8;	35	40	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd.
186.12-13	Unit 2	Level 8;	35	40	2	glass (material)	container (receptacle)	These are colorless container glass body sherds with embossing. One says, "6" or "9" and the other says, "E" "LE."
186.14-61	Unit 2	Level 8;	35	40	48	glass (material)	container (receptacle)	These are colorless container glass body sherds.
186.62	Unit 2	Level 8;	35	40	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
186.63	Unit 2	Level 8;	35	40	1	glass (material)	container (receptacle)	This is a brown container glass base sherd with stippling (post 1945).
186.64	Unit 2	Level 8;	35	40	1	glass (material)	container (receptacle)	This is a brown container glass body sherd with embossing - "4/5."
186.65-71	Unit 2	Level 8;	35	40	7	glass (material)	container (receptacle)	These are brown container glass body sherds.
186.72-73	Unit 2	Level 8;	35	40	2	glass (material)	pane (architectural element)	These are thick flat glass sherds.
186.74	Unit 2	Level 8;	35	40	1	ceramic (material)	whiteware	This is a whiteware rim sherd. One side is glazed and the other side is.
186.75	Unit 2	Level 8;	35	40	1	ceramic (material)	earthenware	This is an earthenware rim sherd with a fine sand temper.
186.76	Unit 2	Level 8;	35	40	1	architectural terra cotta	tiles (object genre)	This is a flat, glazed, terra cotta tile sherd.
186.77	Unit 2	Level 8;	35	40	1	asphalt (bituminous material)	sample	This is an asphalt sample.
186.78	Unit 2	Level 8;	35	40	1	anthrocite	sample	This is an anthrocite/coal sample.
186.79	Unit 2	Level 8;	35	40	1	bone (material)	remains (object genre)	This is a bone fragment.
189.01	Unit 2	Level 9;	40	45	1	brass (alloy)	pencil (drawing and writing equipment)	This is a pencil ferrule.
189.02-04	Unit 2	Level 9;	40	45	3	low carbon steel	common nail	These are common nail head and shank fragments.
189.05-06	Unit 2	Level 9;	40	45	2	low carbon steel	common nail	These are common nail shanks.
189.07-08	Unit 2	Level 9;	40	45	2	low carbon steel	cut nail	These are cut nail head and shank fragments.
189.09	Unit 2	Level 9;	40	45	1	low carbon steel	cut nail	These are cut nail shanks.
189.10	Unit 2	Level 9;	40	45	1	low carbon steel	washer (fastener)	This is a 2" diameter washer.
189.11	Unit 2	Level 9;	40	45	1	low carbon steel	rivet	This is the head of a rivet.
189.12	Unit 2	Level 9;	40	45	1	iron (metal)	sheet (flat object)	This is a sheet iron fragment.
189.13-19	Unit 2	Level 9;	40	45	7	low carbon steel	wire	These are 8 gauge wire fragments.
189.20	Unit 2	Level 9;	40	45	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
189.21-22	Unit 2	Level 9;	40	45	2	architectural terra cotta	tiles (object genre)	These are flat, terra cotta tile sherds - unglazed.
189.23	Unit 2	Level 9;	40	45	1	bituminous coal	sample	This is a bituminous coal sample.
189.24	Unit 2	Level 9;	40	45	1	bone (material)	remains (object genre)	This is a bone fragment - saw cut.
190.01	Unit 2	Level 9;	40	45	1	low carbon steel	common nail	This is a 3.5" common nail.
190.02	Unit 2	Level 9;	40	45	1	low carbon steel	common nail	This is a 3" common nail.
190.03	Unit 2	Level 9;	40	45	1	low carbon steel	wire	This is an 8 gauge wire fragment.
190.04	Unit 2	Level 9;	40	45	1	architectural terra cotta	tiles (object genre)	This is a terra cotta tile sherd that is glazed on the inside.
190.05	Unit 2	Level 9;	40	45	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
190.06	Unit 2	Level 9;	40	45	1	brick (clay material)	brick (visual works)	These is a yellow brick fragment.
190.07	Unit 2	Level 9;	40	45	1	anthrocite	sample	This is an anthrocite/coal sample.
190.08	Unit 2	Level 9;	40	45	1	bone (material)	remains (object genre)	This is a fish bone.
192.01	Unit 2	Level 10	45	50	1	low carbon steel	common nail	This is a 4" common nail.
192.02-03	Unit 2	Level 10	45	50	2	low carbon steel	common nail	These are 3.25" common nails.
192.04-07	Unit 2	Level 10	45	50	4	low carbon steel	common nail	These are 3" common nails.
192.08-10	Unit 2	Level 10	45	50	3	low carbon steel	common nail	These are 2.75" common nails.
192.11-12	Unit 2	Level 10	45	50	2	low carbon steel	common nail	These are 2.5" common nails.

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192.13	Unit 2	Level 10	45	50	1	low carbon steel	tack	This is a 1" tack.
192.14-15	Unit 2	Level 10	45	50	2	low carbon steel	common nail	These are common nail shanks.
192.16-23	Unit 2	Level 10	45	50	8	low carbon steel	cut nail	These are cut nail head and shank fragments.
192.24-25	Unit 2	Level 10	45	50	2	low carbon steel	cut nail	These are cut nail shanks.
192.26-27	Unit 2	Level 10	45	50	2	low carbon steel	screw	These are 2" screws.
192.28	Unit 2	Level 10	45	50	1	low carbon steel	bolt (fastener)	This is a bolt shank fragment.
192.29	Unit 2	Level 10	45	50	1	low carbon steel	sardine box	This is a sardine can key.
192.30-31	Unit 2	Level 10	45	50	2	low carbon steel	handle (component)	These are handle fragments that mend together.
192.32-33	Unit 2	Level 10	45	50	2	low carbon steel	can (container)	These are can fragments.
192.34-40	Unit 2	Level 10	45	50	7	low carbon steel	wire	These are 5 gauge wire fragments.
192.41	Unit 2	Level 10	45	50	1	iron (metal)	cap cover	This is an iron cap.
192.42-45	Unit 2	Level 10	45	50	4	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
192.46	Unit 2	Level 10	45	50	1	glass (material)	container (receptacle)	This is a container glass body sherd made from colorless and red glass layered together.
192.47	Unit 2	Level 10	45	50	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
192.48	Unit 2	Level 10	45	50	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
192.49	Unit 2	Level 10	45	50	1	terracotta (clay material)	container (receptacle)	This is a terra cotta rim sherd - probably from a flower pot.
192.50	Unit 2	Level 10	45	50	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
192.51-53	Unit 2	Level 10	45	50	3	brick (clay material)	brick (visual works)	These are yellow brick fragments.
192.54	Unit 2	Level 10	45	50	1	anthrocite	sample	This is an anthrocite/coal sample.
192.55	Unit 2	Level 10	45	50	1	clinker	sample	This is a clinker sample.
194.01	Unit 2	Level 11	50	55	1	low carbon steel	common nail	This is a 2.75" common nail.
194.02	Unit 2	Level 11	50	55	1	low carbon steel	common nail	This is a common nail head and shank fragment.
194.03-06	Unit 2	Level 11	50	55	4	low carbon steel	common nail	These are common nail shanks.
194.07	Unit 2	Level 11	50	55	1	low carbon steel	cut nail	This is a 4.5" cut nail.
194.08-09	Unit 2	Level 11	50	55	2	low carbon steel	cut nail	These are 3" cut nails.
194.10	Unit 2	Level 11	50	55	1	low carbon steel	cut nail	This is a 2.5" cut nail.
194.11-12	Unit 2	Level 11	50	55	2	low carbon steel	cut nail	These are 2.25" cut nails.
194.13-16	Unit 2	Level 11	50	55	4	low carbon steel	horseshoe nail	These are horseshoe nail head and shank fragments.
194.17-24	Unit 2	Level 11	50	55	8	low carbon steel	cut nail	These are cut nail shanks.
194.25	Unit 2	Level 11	50	55	1	low carbon steel	accesory door hardware	This is a possible doorknob spindle fragment.
194.26-27	Unit 2	Level 11	50	55	2	low carbon steel	screws	These are 1.25" screws.
194.28-30	Unit 2	Level 11	50	55	3	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
194.31	Unit 2	Level 11	50	55	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
194.32	Unit 2	Level 11	50	55	1	opaque white glass	container (receptacle)	This is an opaque white container glass body sherd.
194.33	Unit 2	Level 11	50	55	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
194.34-35	Unit 2	Level 11	50	55	2	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
194.36	Unit 2	Level 11	50	55	1	ceramic (material)	whiteware	This is a whiteware rim sherd.
194.37	Unit 2	Level 11	50	55	1	ceramic (material)	stoneware (pottery)	This is a hand-painted stoneware body sherd with a salt glaze on the exterior and a manganese glaze on the interior. Hand-painted decoration is cobalt blue in color.
194.38	Unit 2	Level 11	50	55	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
194.39	Unit 2	Level 11	50	55	1	anthrocite	sample	This is an anthrocite/coal sample.
194.40	Unit 2	Level 11	50	55	1	clinker	sample	This is a clinker sample.
195.01	Unit 2	Level 12	55	60	1	low carbon steel	common nail	This is a 2.5" common nail.
195.02	Unit 2	Level 12	55	60	1	low carbon steel	common nail	This is a 2" common nail.
195.03-06	Unit 2	Level 12	55	60	4	low carbon steel	common nail	These are common nail head and shank fragments.
195.07-12	Unit 2	Level 12	55	60	6	low carbon steel	common nail	These are common nail shanks.
195.13	Unit 2	Level 12	55	60	1	low carbon steel	cut nail	This is a 5.75" cut nail.
195.14-15	Unit 2	Level 12	55	60	2	low carbon steel	cut nail	These are 3" cut nails.
195.16-17	Unit 2	Level 12	55	60	2	low carbon steel	cut nail	These are 2.5" cut nails.
195.18-19	Unit 2	Level 12	55	60	2	low carbon steel	cut nail	These are 2" cut nails.
195.20-38	Unit 2	Level 12	55	60	19	low carbon steel	cut nail	These are cut nail head and shank fragments.
195.39-40	Unit 2	Level 12	55	60	2	low carbon steel	horseshoe nail	These are horseshoe nail head and shank fragments.
195.41-64	Unit 2	Level 12	55	60	24	low carbon steel	cut nail	These are cut nail shanks.
195.65	Unit 2	Level 12	55	60	1	metal	nail (fastener)	This is a 4" wrought nail.
195.66	Unit 2	Level 12	55	60	1	low carbon steel	bolt (fastener)	This is a 6" bolt.
195.67	Unit 2	Level 12	55	60	1	cable (material)	fragment (object portion)	This is a steel cable fragment.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
195.68	Unit 2	Level 12	55	60	1	low carbon steel	wire	This is a 5 gauge wire fragment.
195.69-73	Unit 2	Level 12	55	60	5	low carbon steel	wire	These are 9 gauge wire fragments.
195.74	Unit 2	Level 12	55	60	1	iron (metal)	ring (object genre)	This is an iron ring.
195.75-89	Unit 2	Level 12	55	60	15	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
195.90	Unit 2	Level 12	55	60	1	copper (metal)	sheet (flat object)	This is a copper sheet fragment with mortar on both sides.
195.91-93	Unit 2	Level 12	55	60	3	glass (material)	container (receptacle)	These are colorless container glass body sherds.
195.94-97	Unit 2	Level 12	55	60	4	glass (material)	pane (architectural element)	These are thick flat glass sherds.
195.98	Unit 2	Level 12	55	60	1	ceramic (material)	ironstone (pottery)	This is an ironstone base sherd with a maker's mark - Royalstone China Wedgwood & Co (ca.1860-1890). Kowalsky and Kowalsky 1999: 364
195.99-100	Unit 2	Level 12	55	60	2	ceramic (material)	whiteware	These are whiteware base sherds.
195.101-107	Unit 2	Level 12	55	60	7	ceramic (material)	whiteware	These are whiteware body sherds.
195.108	Unit 2	Level 12	55	60	1	ceramic (material)	stoneware (pottery)	This is a stoneware based sherd with a salt-glazed exterior and a manganese-glazed interior.
195.109	Unit 2	Level 12	55	60	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
195.110	Unit 2	Level 12	55	60	1	fabric (textile material)	fragment (object portion)	This is a fabric and leather fragment.
196.01	Unit 2	Level 13	60	65	1	low carbon steel	common nail	This is a 4.25" common nail.
196.02	Unit 2	Level 13	60	65	1	low carbon steel	common nail	This is a 2.75" common nail.
196.03-12	Unit 2	Level 13	60	65	10	low carbon steel	common nail	These are common nail shanks.
196.13-15	Unit 2	Level 13	60	65	3	low carbon steel	cut nail	These are 3" cut nails.
196.16-18	Unit 2	Level 13	60	65	3	low carbon steel	cut nail	These are 2" cut nails.
196.19-20	Unit 2	Level 13	60	65	2	low carbon steel	cut nail	These are 1.75" cut nails.
196.21	Unit 2	Level 13	60	65	1	low carbon steel	cut nail	This is a 1.5" cut nail.
196.22-47	Unit 2	Level 13	60	65	26	low carbon steel	cut nail	These are cut nail head and shank fragments.
196.48-65	Unit 2	Level 13	60	65	18	low carbon steel	cut nail	These are cut nail shanks.
196.66	Unit 2	Level 13	60	65	1	low carbon steel	can (container)	This is a metal can fragment.
196.67-69	Unit 2	Level 13	60	65	3	cast iron	fragment (object portion)	These are cast iron fragments.
196.70-74	Unit 2	Level 13	60	65	5	cable (material)	fragment (object portion)	These are steel cable fragments. One has remnants of wood on it.
196.75-77	Unit 2	Level 13	60	65	3	low carbon steel	wire	These are 9 gauge wire fragments.
196.78-91	Unit 2	Level 13	60	65	14	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
196.92	Unit 2	Level 13	60	65	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
196.93	Unit 2	Level 13	60	65	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
196.94	Unit 2	Level 13	60	65	1	porcelain (material)	body sherd	This is a porcelain body sherd.
196.95-96	Unit 2	Level 13	60	65	2	ceramic (material)	whiteware	These are whiteware body sherds - one is possibly burnt.
196.97	Unit 2	Level 13	60	65	1	ceramic (material)	yellowware	This is a yellowware body sherd with an annular motif.
196.98-100	Unit 2	Level 13	60	65	3	ceramic (material)	stoneware (pottery)	These are stoneware body sherds with a salt-glazed exterior and manganese-glazed interior.
196.101-103	Unit 2	Level 13	60	65	3	leather	shoe (footwear)	This is a leather shoe fragment with brass grommets.
196.104	Unit 2	Level 13	60	65	1	bone (material)	remains (object genre)	This is a saw-cut bone fragment.
196.105	Unit 2	Level 13	60	65	1	bone (material)	remains (object genre)	This is a saw-cut bone fragment.
197.01-03	Unit 2	Level 14	65	70	3	low carbon steel	cut nail	These are 2.5" cut nail.
197.04-05	Unit 2	Level 14	65	70	2	low carbon steel	cut nail	These are 2.25" cut nails.
197.06	Unit 2	Level 14	65	70	1	low carbon steel	cut nail	This is a 2" cut nail.
197.07-18	Unit 2	Level 14	65	70	12	low carbon steel	cut nail	These are cut nail head and shank fragments.
197.19-20	Unit 2	Level 14	65	70	2	low carbon steel	horseshoe nail	These are horseshoe nail head and shank fragments.
197.21-32	Unit 2	Level 14	65	70	12	low carbon steel	cut nail	These are cut nail shanks.
197.33	Unit 2	Level 14	65	70	1	low carbon steel	bolt (fastener)	This is a bolt fragment with a washer attached.
197.34	Unit 2	Level 14	65	70	1	low carbon steel	wire	This is a 4 gauge wire fragment.
197.35-36	Unit 2	Level 14	65	70	2	low carbon steel	wire	These are 7 gauge wire fragments.
197.37	Unit 2	Level 14	65	70	1	low carbon steel	sheet (flat object)	This is a sheet metal fragment.
197.38-39	Unit 2	Level 14	65	70	2	cast iron	fragment (object portion)	These are cast iron fragments.
197.40-41	Unit 2	Level 14	65	70	2	ceramic (material)	whiteware	These are whiteware rim sherds.
197.42-44	Unit 2	Level 14	65	70	3	leather	shoe (footwear)	These are leather shoe fragments with brass grommets.
197.45	Unit 2	Level 14	65	70	1	anthracite	sample	This is an anthracite/coal sample.
198.01	Unit 2	Level 15	70	75	1	low carbon steel	cut nail	This is a 3.24" cut nail.
198.02	Unit 2	Level 15	70	75	1	low carbon steel	cut nail	This is a 2.5" cut nail.
198.03	Unit 2	Level 15	70	75	1	low carbon steel	cut nail	This is a 1.75" cut nail.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
198.04-05	Unit 2	Level 15	70	75	2	low carbon steel	cut nail	These are cut nail shanks.
198.06	Unit 2	Level 15	70	75	1	low carbon steel	wire	This is a 5 gauge wire fragment.
198.07	Unit 2	Level 15	70	75	1	low carbon steel	sheet (flat object)	This is a sheet metal fragment.
198.08-09	Unit 2	Level 15	70	75	2	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
198.10	Unit 2	Level 15	70	75	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
198.11	Unit 2	Level 15	70	75	1	ceramic (material)	stoneware (pottery)	This is a stoneware body sherd with a salt-glazed exterior and manganese-glazed interior.
198.12	Unit 2	Level 15	70	75	1	leather	shoe (footwear)	This is a leather shoe sole fragment with iron tacks.
200.01	Unit 3	Level 1	0	5	1	plastic (material)	poker chip	This is a poker chip made by Geico Insurance - it says "612.656.0544 Geico Local Office Minneapolis, MN" (ca. 2014-2015). Vinson 2014
200.02	Unit 3	Level 1	0	5	1	plastic (material)	USB cable	This is a micro-b USB cable (ca. 2011-2014). USB Receptacle (socket) identification. Wikipedia 2021
200.03-04	Unit 3	Level 1	0	5	2	plastic (material)	fragment (object portion)	These are plastic fragments.
202.01	Unit 3	Level 2	5	10	1	metal	wrist watch	This gold plated ladies wrist watch made by Gruen - post 2000.
202.02	Unit 3	Level 2	5	10	1	silver (metal)	earring (jewelry)	This is a silver cross-shaped earring with a glass "gem" in the center.
202.03	Unit 3	Level 2	5	10	1	aluminum (metal)	can (container)	This is a StaTab aluminum can tab. The type number is S IV-8 (ca. 1990-present) (Wijnen 2020).
202.04-06	Unit 3	Level 2	5	10	3	aluminum foil	fragment (object portion)	These are aluminum foil fragments.
202.07	Unit 3	Level 2	5	10	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
202.08	Unit 3	Level 2	5	10	1	plastic (material)	meal ticket	This is a lunch ticket for Mill City Suds Run 5k, September 14, 2013 (Mill City Times, Sept. 2013)
202.09-17	Unit 3	Level 2	5	10	9	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
202.18	Unit 3	Level 2	5	10	1	bone (material)	remains (object genre)	This is a bone fragment.
204.01	Unit 3	Level 3	10	15	1	low carbon steel	common nail	This is a 2.25" common nail.
204.02	Unit 3	Level 3	10	15	1	low carbon steel	cut nail	This is a cut nail shank.
204.03	Unit 3	Level 3	10	15	1	low carbon steel	bottle	This is a crown bottle cap with plastic lining - 1960 and later.
204.04	Unit 3	Level 3	10	15	1	aluminum (metal)	can (container)	This is an aluminum and steel can with a SIX-1 Hornet Tab (1976 - mid 1980s) (Wijnen 2020).
204.05	Unit 3	Level 3	10	15	1	low carbon steel	can (container)	This is a steel can base fragment with a possible barcode.
204.06	Unit 3	Level 3	10	15	1	copper (metal)	fountain pen	This is the feed from a fountain pen.
204.07	Unit 3	Level 3	10	15	1	glass (material)	container (receptacle)	This is a "Duraglas" base sherd - ca. 1940-1964 (Owens, IL Glass Co.) Lockhart et al. 2018
204.08	Unit 3	Level 3	10	15	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with an embossed decorative motif.
204.09-13	Unit 3	Level 3	10	15	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
204.14	Unit 3	Level 3	10	15	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
204.15	Unit 3	Level 3	10	15	1	frosted glass	container (receptacle)	This is a container body sherd made from frosted glass.
204.16-17	Unit 3	Level 3	10	15	2	glass (material)	container (receptacle)	These are green container glass body sherds.
204.18-19	Unit 3	Level 3	10	15	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
204.20	Unit 3	Level 3	10	15	1	opaque white glass	container (receptacle)	This is an opaque white glass body sherd.
204.21-26	Unit 3	Level 3	10	15	6	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
204.27	Unit 3	Level 3	10	15	1	opaque white glass	button (fastener)	This is a white glass button.
204.28	Unit 3	Level 3	10	15	1	ceramic (material)	stoneware (pottery)	This is a stoneware body sherd with a manganese glaze on the interior and exterior surfaces.
204.29	Unit 3	Level 3	10	15	1	wood (plant material)	remains (object genre)	This is a milled wood fragment.
204.30	Unit 3	Level 3	10	15	1	bone (material)	remains (object genre)	This is a bone fragment.
204.31	Unit 3	Level 3	10	15	1	clinker	sample	This is a clinker sample.
204.32	Unit 3	Level 3	10	15	1	plastic (material)	pipe (smoking equipment)	This is an White Owl cigar tip (1970s to present).
204.33-36	Unit 3	Level 3	10	15	4	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
205.01	Unit 3	Level 4	15	20	1	low carbon steel	rail spike	This is a 6" rail spike with a chisel point.
205.02	Unit 3	Level 4	15	20	1	low carbon steel	common nail	This is a 2.5" common nail.
205.03-04	Unit 3	Level 4	15	20	2	low carbon steel	common nail	These are common nail shanks.
205.05	Unit 3	Level 4	15	20	1	low carbon steel	cut nail	This is a 2.5" cut nail.
205.06	Unit 3	Level 4	15	20	1	low carbon steel	bolt (fastener)	This is a 2" bolt.
205.07	Unit 3	Level 4	15	20	1	low carbon steel	screw	This is a 1.5" slotted head screw.
205.08	Unit 3	Level 4	15	20	1	low carbon steel	washer (fastener)	This is a 0.75" diameter washer.
205.09	Unit 3	Level 4	15	20	1	brass (alloy)	pocket watch	This is a brass center wheel for a pocket watch.
205.10	Unit 3	Level 4	15	20	1	glass (material)	container (receptacle)	This is a light blue container glass base sherd with embossing - "Perty" "EWING Co."
205.11-19	Unit 3	Level 4	15	20	9	glass (material)	container (receptacle)	These are colorless container glass body sherds.
205.20-22	Unit 3	Level 4	15	20	3	glass (material)	container (receptacle)	These are green container glass body sherds.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
205.23-24	Unit 3	Level 4	15	20	2	glass (material)	container (receptacle)	These are brown container glass body sherds. One has a molded design.
205.25	Unit 3	Level 4	15	20	1	porcelain (material)	container (receptacle)	This is a porcelain base sherd.
205.26	Unit 3	Level 4	15	20	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
205.27	Unit 3	Level 4	15	20	1	wood (plant material)	remains (object genre)	This is a milled wood fragment.
205.28	Unit 3	Level 4	15	20	1	clinker	sample	This is a clinker sample.
205.29	Unit 3	Level 4	15	20	1	rubber (material)	sheet (flat object)	This is a rubber sheet fragment with stippling on one side.
205.30	Unit 3	Level 4	15	20	1	plastic (material)	syringe	This is a fragment of the needle hub and adapter portion of a syringe
205.31	Unit 3	Level 4	15	20	1	plastic (material)	sheet (flat object)	This is a white, plastic sheet fragment.
208.01	Unit 3	Level 5	20	25	1	low carbon steel	common nail	This is a 2.5" common nail.
208.02	Unit 3	Level 5	20	25	1	low carbon steel	common nail	This is a 1" common nail.
208.03	Unit 3	Level 5	20	25	1	low carbon steel	common nail	This is a common nail shank.
208.04	Unit 3	Level 5	20	25	1	low carbon steel	cut nail	This is a cut nail shank.
208.05	Unit 3	Level 5	20	25	1	low carbon steel	screw	This is a 1" screw.
208.06	Unit 3	Level 5	20	25	1	aluminum (metal)	can (container)	This is an aluminum can tab; type: T-II-1 (1965-1975) (Wijnen 2020).
208.07	Unit 3	Level 5	20	25	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with stippling (Post-1945).
208.08	Unit 3	Level 5	20	25	1	glass (material)	container (receptacle)	This is a threaded, colorless container glass lip sherd - likely to a jar.
208.09-24	Unit 3	Level 5	20	25	16	glass (material)	container (receptacle)	These are colorless container glass body sherds.
208.25	Unit 3	Level 5	20	25	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
208.26-28	Unit 3	Level 5	20	25	3	glass (material)	container (receptacle)	These are very light green container glass body sherds.
208.29-30	Unit 3	Level 5	20	25	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
208.31	Unit 3	Level 5	20	25	1	opaque white glass	container (receptacle)	This is an opaque white glass body sherd.
208.32	Unit 3	Level 5	20	25	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
208.33	Unit 3	Level 5	20	25	1	porcelain (material)	container (receptacle)	This is a buff colored porcelain base sherd.
209.01	Unit 3	Level 6	25	30	1	low carbon steel	common nail	This is a 2.75" common nail.
209.02	Unit 3	Level 6	25	30	1	low carbon steel	common nail	This is a 2.5" common nail.
209.03	Unit 3	Level 6	25	30	1	low carbon steel	common nail	This is a 1.25" common nail.
209.04	Unit 3	Level 6	25	30	1	low carbon steel	screw	This is a 0.75" screw.
209.05	Unit 3	Level 6	25	30	1	low carbon steel	wire	This is a 4 gauge wire fragment.
209.06	Unit 3	Level 6	25	30	1	low carbon steel	bottle	This is a crown bottle cap with plastic lining - 1960 and later.
209.07	Unit 3	Level 6	25	30	1	lead (metal)	sheet (flat object)	This is a lead sheet metal fragment.
209.08	Unit 3	Level 6	25	30	1	glass (material)	container (receptacle)	This is a threaded, colorless container glass lip sherd - likely to a jar.
209.09	Unit 3	Level 6	25	30	1	glass (material)	container (receptacle)	This is a colorless container glass rim sherd with a molded annular design.
209.10-22	Unit 3	Level 6	25	30	13	glass (material)	container (receptacle)	These are colorless container glass body sherds.
209.23	Unit 3	Level 6	25	30	1	glass (material)	container (receptacle)	This is a very light green container glass body sherd.
209.24-29	Unit 3	Level 6	25	30	6	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
209.30-32	Unit 3	Level 6	25	30	3	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
209.33-34	Unit 3	Level 6	25	30	2	glass (material)	container (receptacle)	These are green container glass body sherds.
209.35-38	Unit 3	Level 6	25	30	4	glass (material)	container (receptacle)	These are brown container glass body sherds.
209.39	Unit 3	Level 6	25	30	1	clay	marble (game piece)	This is Bennington marble, made from clay and glazed (Grist and Huffer 2011:40)
209.40	Unit 3	Level 6	25	30	1	ceramic (material)	whiteware	This is a whiteware body sherd.
209.41	Unit 3	Level 6	25	30	1	ceramic (material)	redware	This is a redware body sherd.
209.42	Unit 3	Level 6	25	30	1	bone (material)	remains (object genre)	This is a bone fragment.
209.43	Unit 3	Level 6	25	30	1	bone (material)	remains (object genre)	This is a bone fragment.
209.44	Unit 3	Level 6	25	30	1	asphalt (bituminous material)	sample	This is an asphalt sample.
209.45-48	Unit 3	Level 6	25	30	4	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
212.01	Unit 3	Level 7	30	35	1	copper (metal)	cent (general, one-cent piece)	This is a 1949 penny.
212.02	Unit 3	Level 7	30	35	1	glass (material)	marble (game piece)	This is a Vitro Agate marble - post 1932 (Grist and Huffer 2011:11 and 79)
212.03	Unit 3	Level 7	30	35	1	low carbon steel	common nail	This is a common nail shank.
212.04-06	Unit 3	Level 7	30	35	3	low carbon steel	wire	These are 6 gauge wire fragments.
212.07	Unit 3	Level 7	30	35	1	cast iron	fragment (object portion)	This is a cast iron fragment.
212.08-11	Unit 3	Level 7	30	35	4	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
212.12	Unit 3	Level 7	30	35	1	copper (metal)	sheet (flat object)	This is a copper sheet fragment.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
212.13	Unit 3	Level 7	30	35	1	aluminum (metal)	battery (electrical)	This is a battery terminal fragment.
212.14-16	Unit 3	Level 7	30	35	3	glass (material)	container (receptacle)	These are colorless container glass base sherds with stippling.
212.17	Unit 3	Level 7	30	35	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with stippling.
212.18-29	Unit 3	Level 7	30	35	12	glass (material)	container (receptacle)	These are colorless container glass body sherds.
212.30-31	Unit 3	Level 7	30	35	2	glass (material)	container (receptacle)	These are colorless container glass body sherds with amethyst tint.
212.32-34	Unit 3	Level 7	30	35	3	glass (material)	container (receptacle)	These are very light green container glass body sherds.
212.35-37	Unit 3	Level 7	30	35	3	glass (material)	container (receptacle)	These are brown container glass body sherds.
212.38-39	Unit 3	Level 7	30	35	2	opaque white glass	container (receptacle)	These are opaque, white container glass body sherds.
212.40-42	Unit 3	Level 7	30	35	3	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
212.43-47	Unit 3	Level 7	30	35	5	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
212.48	Unit 3	Level 7	30	35	1	glass (material)	lighting device component	This is a lamp glass sherd.
212.49	Unit 3	Level 7	30	35	1	porcelain (material)	container (receptacle)	This is a porcelain container body sherd.
212.50	Unit 3	Level 7	30	35	1	ceramic (material)	whiteware	This is a whiteware body sherd with a blue and white transfer print.
212.51	Unit 3	Level 7	30	35	1	ceramic (material)	whiteware	This is a whiteware body sherd with a yellow glaze.
212.52	Unit 3	Level 7	30	35	1	architectural terra cotta	tiles (object genre)	This is a curved, glazed terra cotta tile sherd.
212.53	Unit 3	Level 7	30	35	1	terracotta (clay material)	container (receptacle)	This is a terra cotta container body sherd - unglazed.
212.54	Unit 3	Level 7	30	35	1	asbestos	tiles (object genre)	This is an asbestos tile fragment.
212.55	Unit 3	Level 7	30	35	1	clinker	sample	This is a clinker sample.
212.56	Unit 3	Level 7	30	35	1	plastic (material)	comb (grooming tool)	This is a black comb fragment ("Washington Dee Cee")
212.57-62	Unit 3	Level 7	30	35	6	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
213.01	Unit 3	Level 8	35	40	1	aluminum (metal)	can (container)	This is a red and gold beer can fragment.
213.02-05	Unit 3	Level 8	35	40	4	low carbon steel	wrist watch	These are fragments to a wrist watch that says, "Made in Japan" "105707" - serial number.
213.06	Unit 3	Level 8	35	40	1	low carbon steel	common nail	This is a 5" common nail.
213.07	Unit 3	Level 8	35	40	1	low carbon steel	common nail	This is a 2.5" common nail.
213.08	Unit 3	Level 8	35	40	1	low carbon steel	common nail	This is a 1.5" common nail.
213.09	Unit 3	Level 8	35	40	1	low carbon steel	cut nail	This is a 4" cut nail.
213.10	Unit 3	Level 8	35	40	1	low carbon steel	wire	These are steel and aluminum wire fragments twisted together. The aluminum wire is 15 gauge. The steel wire is too corroded to tell.
213.11	Unit 3	Level 8	35	40	1	glass (material)	container (receptacle)	This is a colorless container glass rim sherd with a molded annular design.
213.12	Unit 3	Level 8	35	40	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "B" or "P" or "R."
213.13-19	Unit 3	Level 8	35	40	7	glass (material)	container (receptacle)	These are colorless container glass body sherds.
213.20-22	Unit 3	Level 8	35	40	3	glass (material)	container (receptacle)	These are very light green container glass body sherds.
213.23-24	Unit 3	Level 8	35	40	2	glass (material)	container (receptacle)	These are green container glass body sherds.
213.25	Unit 3	Level 8	35	40	1	glass (material)	container (receptacle)	This is a brown container glass rim sherd with a partial neck.
213.26-27	Unit 3	Level 8	35	40	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
213.28-30	Unit 3	Level 8	35	40	3	glass (material)	pane (architectural element)	These are colorless, thick, flat glass sherds.
213.31	Unit 3	Level 8	35	40	1	ceramic (material)	whiteware	This is a whiteware body sherd.
213.32	Unit 3	Level 8	35	40	1	terracotta (clay material)	container (receptacle)	This is a terra cotta body sherd - probably to a flower pot.
213.33-36	Unit 3	Level 8	35	40	4	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
215.01	Unit 3	Level 9	40	45	1	low carbon steel	common nail	This is a common nail shank.
215.02	Unit 3	Level 9	40	45	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
215.03-04	Unit 3	Level 9	40	45	2	low carbon steel	can (container)	These are can rim fragments.
215.05	Unit 3	Level 9	40	45	1	glass (material)	container (receptacle)	This is a colorless container glass rim sherd with threading - likely to a jar.
215.06-07	Unit 3	Level 9	40	45	2	glass (material)	container (receptacle)	These are colorless container glass body sherds with stippling - post 1945.
215.08-13	Unit 3	Level 9	40	45	6	glass (material)	container (receptacle)	These are colorless container glass body sherds.
215.14-15	Unit 3	Level 9	40	45	2	glass (material)	container (receptacle)	These are brown container glass rim sherds. One is designed for a crown bottle cap and the other one is threaded - likely for a twist off crown bottle cap.
215.16	Unit 3	Level 9	40	45	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd that has been solarized.
215.17-18	Unit 3	Level 9	40	45	2	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
215.19	Unit 3	Level 9	40	45	1	glass (material)	lighting device component	This is a lamp glass sherd.
215.20	Unit 3	Level 9	40	45	1	porcelain (material)	tiles (object genre)	This is a round porcelain tile.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
215.21	Unit 3	Level 9	40	45	1	ceramic (material)	white ware	This is a white ware body sherd.
215.22	Unit 3	Level 9	40	45	1	ceramic (material)	stoneware (pottery)	This is a stoneware body sherd with a manganese glaze on the interior and exterior.
215.23	Unit 3	Level 9	40	45	1	wood (plant material)	remains (object genre)	This is a milled wood fragment.
215.24-25	Unit 3	Level 9	40	45	2	bone (material)	remains (object genre)	These are bone fragments that mend together.
215.26-29	Unit 3	Level 9	40	45	4	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
216.01	Unit 3	Level 10	45	50	1	aluminum (metal)	can (container)	This is an aluminum can tab likely Type T-III (ca. 1965 to 1975). Wijnen 2020
216.02	Unit 3	Level 10	45	50	1	low carbon steel	common nail	This is a common nail head and shank fragment.
216.03-05	Unit 3	Level 10	45	50	3	low carbon steel	common nail	These are common nail shanks.
216.06	Unit 3	Level 10	45	50	1	low carbon steel	cut nail	This is a 1.5" cut nail.
216.07	Unit 3	Level 10	45	50	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
216.08-09	Unit 3	Level 10	45	50	2	low carbon steel	cut nail	These are cut nail shanks.
216.10-11	Unit 3	Level 10	45	50	2	glass (material)	container (receptacle)	These are colorless container glass body sherds with embossing. One says, "ULL" and the other says, "NO" or "ON."
216.12	Unit 3	Level 10	45	50	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with stippling (post 1945).
216.13-21	Unit 3	Level 10	45	50	9	glass (material)	container (receptacle)	These are colorless container glass body sherds.
216.22-23	Unit 3	Level 10	45	50	2	glass (material)	container (receptacle)	These are light green container glass body sherds.
216.24-25	Unit 3	Level 10	45	50	2	glass (material)	container (receptacle)	These are green container glass body sherds.
216.26	Unit 3	Level 10	45	50	1	glass (material)	container (receptacle)	This is a brown container glass rim sherd.
216.27-30	Unit 3	Level 10	45	50	4	glass (material)	container (receptacle)	These are brown container glass body sherds.
216.31	Unit 3	Level 10	45	50	1	opaque white glass	container (receptacle)	This is an opaque white container glass body sherd.
216.32	Unit 3	Level 10	45	50	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
216.33	Unit 3	Level 10	45	50	1	glass (material)	lighting device component	This is a lamp glass sherd.
216.34	Unit 3	Level 10	45	50	1	clay	marble (game piece)	This is a red clay marble - "Commie" (Grist and Huffer 2011:39).
216.35-36	Unit 3	Level 10	45	50	2	terracotta (clay material)	container (receptacle)	These are terra cotta body sherds.
216.37	Unit 3	Level 10	45	50	1	bone (material)	remains (object genre)	This is a bird bone fragment.
216.38	Unit 3	Level 10	45	50	1	plastic (material)	bead (pierced object)	This is a blue, faceted, plastic bead.
216.39-48	Unit 3	Level 10	45	50	10	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
219.01	Unit 3	Level 11	50	55	1	low carbon steel	roofing nail	This is a 1" common roofing nail.
219.02-03	Unit 3	Level 11	50	55	2	low carbon steel	common nail	These are common nail shanks.
219.04	Unit 3	Level 11	50	55	1	low carbon steel	bolt (fastener)	This is a 2" threaded bolt.
219.05	Unit 3	Level 11	50	55	1	low carbon steel	washer (fastener)	This is a 0.75" diameter washer.
219.06	Unit 3	Level 11	50	55	1	aluminum foil	wrapper (container)	This is an aluminum foil wrapper fragment.
219.07	Unit 3	Level 11	50	55	1	copper (metal)	transistor radio	This is a copper transistor radio fragment (mid 1950s-present).
219.08	Unit 3	Level 11	50	55	1	glass (material)	container (receptacle)	This is a colorless container glass rim sherd.
219.09	Unit 3	Level 11	50	55	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with embossing. Midland Glass Co. (ca. 1962-1984) (Lockhart et al. 2018) - found in "other M marks."
219.10-14	Unit 3	Level 11	50	55	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
219.15	Unit 3	Level 11	50	55	1	porcelain (material)	container (receptacle)	This is a porcelain body sherd.
219.16	Unit 3	Level 11	50	55	1	ceramic (material)	white ware	This is a white ware body sherd.
219.17-19	Unit 3	Level 11	50	55	3	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
221.01	Unit 3	Level 12	55	60	1	copper (metal)	cent (general, one-cent piece)	This is a 1968 penny.
221.02	Unit 3	Level 12	55	60	1	low carbon steel	rail spike	This is a 6" rail spike with a chisel point.
221.03	Unit 3	Level 12	55	60	1	low carbon steel	common nail	This is a 3.5" common nail.
221.04	Unit 3	Level 12	55	60	1	low carbon steel	common nail	This is a 2" common nail.
221.05-07	Unit 3	Level 12	55	60	3	low carbon steel	common nail	These are common nail shanks.
221.08-10	Unit 3	Level 12	55	60	3	aluminum foil	wrapper (container)	These are aluminum foil fragments.
221.11	Unit 3	Level 12	55	60	1	glass (material)	container (receptacle)	This is a colorless container glass rim sherd with threading and a low carbon steel cap attached.
221.12	Unit 3	Level 12	55	60	1	glass (material)	container (receptacle)	This is colorless container glass rim sherd with threading.
221.13-16	Unit 3	Level 12	55	60	4	glass (material)	container (receptacle)	These are colorless container glass body sherds.
221.17	Unit 3	Level 12	55	60	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
221.18	Unit 3	Level 12	55	60	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
221.19	Unit 3	Level 12	55	60	1	glass (material)	lighting device component	This is a lamp glass sherd.
221.20	Unit 3	Level 12	55	60	1	clay	container (receptacle)	This is a white clay container fragment with a molded edge.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
221.22	Unit 3	Level 12	55	60	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
221.23	Unit 3	Level 12	55	60	1	bone (material)	remains (object genre)	This is a bone fragment.
222.24	Unit 3	Level 12	55	60	1	clinker	sample	This is a clinker sample.
222.25	Unit 3	Level 12	55	60	1	agate (chalcedony)	shatter	This is piece of agate shatter.
222.26	Unit 3	Level 12	55	60	1	plastic (material)	game piece (game element)	This is a "Cootie" game piece fragment (the leg) - (ca. 1948-1966) (MinnPost, Laine - first published June 10, 2019).
222.27-29	Unit 3	Level 12	55	60	3	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
223.01	Unit 3	Level 13	60	65	1	low carbon steel	common nail	This is a 4.75" common nail.
223.02	Unit 3	Level 13	60	65	1	low carbon steel	common nail	This is a 4" common nail.
223.03	Unit 3	Level 13	60	65	1	low carbon steel	common nail	This is a 3.5" common nail.
223.04	Unit 3	Level 13	60	65	1	low carbon steel	double-headed nail	This is a 3.5" double headed (duplex) nail that has been burned.
223.05-06	Unit 3	Level 13	60	65	2	low carbon steel	screw	These are 1" screws.
223.07	Unit 3	Level 13	60	65	1	low carbon steel	bolt (fastener)	This is a 1.75" bolt.
223.08	Unit 3	Level 13	60	65	1	copper (metal)	wire	This is a 13 gauge copper wire fragment.
223.09	Unit 3	Level 13	60	65	1	stainless steel	wire	This is a 7 gauge stainless steel wire fragment.
223.10	Unit 3	Level 13	60	65	1	glass (material)	container (receptacle)	This is a colorless container glass body sherds with embossing - "FED" and "SA" (ca. 1935-1964) (SHA bottle guide - question 10).
223.11	Unit 3	Level 13	60	65	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "4/5."
223.12-13	Unit 3	Level 13	60	65	2	glass (material)	container (receptacle)	These are colorless container glass body sherds with stippling - post 1945.
223.14-23	Unit 3	Level 13	60	65	10	glass (material)	container (receptacle)	These are colorless container glass body sherds.
223.24	Unit 3	Level 13	60	65	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
223.25-27	Unit 3	Level 13	60	65	3	glass (material)	container (receptacle)	These are brown container glass body sherds.
223.28-29	Unit 3	Level 13	60	65	2	glass (material)	pane (architectural element)	These are thick flat glass sherds.
223.30-31	Unit 3	Level 13	60	65	2	glass (material)	pane (architectural element)	These are thin flat glass sherds.
223.32	Unit 3	Level 13	60	65	1	porcelain (material)	button (fastener)	This is a porcelain four hole button.
223.33	Unit 3	Level 13	60	65	1	limestone	fragment (object portion)	This is a limestone fragment that has been burned.
223.34	Unit 3	Level 13	60	65	1	mortar (filler)	sample	This is a mortar sample.
223.35-36	Unit 3	Level 13	60	65	2	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
225.01	Unit 3	Level 14	65	70	1	low carbon steel	common nail	This is a common nail shank.
225.02	Unit 3	Level 14	65	70	1	pressed glass	container (receptacle)	This is a pressed glass body sherd.
225.03-10	Unit 3	Level 14	65	70	8	glass (material)	container (receptacle)	These are colorless container glass body sherds.
225.11	Unit 3	Level 14	65	70	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
225.12	Unit 3	Level 14	65	70	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
225.13	Unit 3	Level 14	65	70	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
225.14	Unit 3	Level 14	65	70	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
225.15	Unit 3	Level 14	65	70	1	shell (animal material)	button (fastener)	This is a two-hole shell button.
225.16-17	Unit 3	Level 14	65	70	2	shell (animal material)	remains (object genre)	These are shell fragments.
225.18-19	Unit 3	Level 14	65	70	2	plastic (material)	fragment (object portion)	These are plastic fragments.
226.01	Unit 3	Level 15	70	75	1	low carbon steel	roofing nail	This is a 1.25" common roofing nail.
226.02	Unit 3	Level 15	70	75	1	low carbon steel	screw	This is a 1.5" screw.
226.03	Unit 3	Level 15	70	75	1	low carbon steel	wire	This is a 7 gauge wire fragment.
226.04	Unit 3	Level 15	70	75	1	iron (metal)	fragment (object portion)	This is an unidentified iron fragment.
226.05	Unit 3	Level 15	70	75	1	glass (material)	container (receptacle)	These are colorless container glass body sherds.
226.06	Unit 3	Level 15	70	75	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
226.07	Unit 3	Level 15	70	75	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
226.08	Unit 3	Level 15	70	75	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
226.09	Unit 3	Level 15	70	75	1	architectural terra cotta	tiles (object genre)	This is a curved, glazed terra cotta tile sherd.
226.10	Unit 3	Level 15	70	75	1	rubber (material)	sheet (flat object)	This is a red, rubber sheet fragment.
226.10	Unit 3	Level 15	70	75	1	plastic (material)	fragment (object portion)	This is a green plastic fragment.
228.01-02	Unit 3	Level 16	75	80	2	low carbon steel	common nail	These are common nail shanks.
228.03	Unit 3	Level 16	75	80	1	low carbon steel	screw	This is a 1" screw.
228.04-05	Unit 3	Level 16	75	80	2	low carbon steel	wire	These are 7 gauge wire fragments.
228.06-07	Unit 3	Level 16	75	80	2	aluminum foil	wrapper (container)	These are aluminum foil fragments.
229.08-09	Unit 3	Level 16	75	80	2	lead (metal)	sheet (flat object)	These are two lead sheet fragments.
229.10	Unit 3	Level 16	75	80	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
229.11	Unit 3	Level 16	75	80	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
229.12	Unit 3	Level 16	75	80	1	glass (material)	container (receptacle)	This is a light green container glass body sherd.
229.13	Unit 3	Level 16	75	80	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
229.14-16	Unit 3	Level 16	75	80	3	glass (material)	container (receptacle)	These are brown container glass body sherds.
229.17-19	Unit 3	Level 16	75	80	3	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
229.20-22	Unit 3	Level 16	75	80	3	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
229.23	Unit 3	Level 16	75	80	1	glass (material)	sherd	This is a melted glass sherd.
229.24-27	Unit 3	Level 16	75	80	4	ceramic (material)	whiteware	These are whiteware body sherd fragments.
229.28	Unit 3	Level 16	75	80	1	ceramic (material)	stoneware (pottery)	This is a salt-glazed stoneware body sherd.
229.29	Unit 3	Level 16	75	80	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
229.30	Unit 3	Level 16	75	80	1	bone (material)	remains (object genre)	This is a bone fragment.
229.31	Unit 3	Level 16	75	80	1	clinker	sample	This is a clinker sample.
229.32-34	Unit 3	Level 16	75	80	3	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
232.01-02	Unit 3	Level 16	75	80	2	aluminum (metal)	can (container)	These are pieces of an aluminum tab. Type: T - 1 - 2; Continental Can Co (pre-1965) (Wijnen 2020).
232.03	Unit 3	Level 17	80	85	1	low carbon steel	rivet	This is a 2" rivet.
232.04	Unit 3	Level 17	80	85	1	iron (metal)	fragment (object portion)	This is an unidentified iron fragment.
232.05	Unit 3	Level 17	80	85	1	lead (metal)	sheet (flat object)	This is a lead sheet metal fragment.
232.06	Unit 3	Level 17	80	85	1	glass (material)	bottle	This is a light green bottle body sherd with embossing - "WM" "MINNEA" "M" William Massolt (ca. 1880-1895) (Feldhaus 1986:82) (Jones and Sullivan 1989:162).
232.07-16	Unit 3	Level 17	80	85	10	glass (material)	container (receptacle)	These are colorless container glass body sherds.
232.17	Unit 3	Level 17	80	85	1	glass (material)	container (receptacle)	This is a green container glass body sherd with an applied label - Post 1933 through 1980s.
232.18	Unit 3	Level 17	80	85	1	glass (material)	container (receptacle)	This is a brown container glass body sherd with a stippled design - goes to a hi-lex (mid-twentieth century).
232.19	Unit 3	Level 17	80	85	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
232.20-23	Unit 3	Level 17	80	85	4	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
232.24	Unit 3	Level 17	80	85	1	ceramic (material)	whiteware	This is a whiteware body sherd.
232.25	Unit 3	Level 17	80	85	1	ceramic (material)	stoneware (pottery)	This is a glazed, stoneware body sherd.
232.26-27	Unit 3	Level 17	80	85	1	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
235.01	Unit 3	Level 18	85	90	1	aluminum (metal)	can (container)	This is an aluminum can tab; type: T-II-1 (1965-1975) (Wijnen 2020).
235.02	Unit 3	Level 18	85	90	1	low carbon steel	common nail	This is a common nail shank.
235.03-04	Unit 3	Level 18	85	90	2	low carbon steel	wire	These are 6 gauge wire fragments.
235.05	Unit 3	Level 18	85	90	1	low carbon steel	can (container)	This is a metal can fragment.
235.06	Unit 3	Level 18	85	90	1	iron (metal)	fragment (object portion)	This is an unidentified iron fragment.
235.07	Unit 3	Level 18	85	90	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "LAMB" "MAC."
235.08	Unit 3	Level 18	85	90	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd with embossing - "AM."
235.09	Unit 3	Level 18	85	90	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with embossing - "5" and stippling (Post 1945).
235.10	Unit 3	Level 18	85	90	1	glass (material)	container (receptacle)	This is a light blue container glass base sherd.
235.11	Unit 3	Level 18	85	90	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with an applied label - post 1933 through 1980s.
235.12	Unit 3	Level 18	85	90	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with stippling - post 1945.
235.13-42	Unit 3	Level 18	85	90	30	glass (material)	container (receptacle)	These are colorless container glass body sherds.
235.43	Unit 3	Level 18	85	90	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
235.44-45	Unit 3	Level 18	85	90	2	glass (material)	container (receptacle)	These are brown container glass body sherds.
235.46-50	Unit 3	Level 18	85	90	5	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
235.51-58	Unit 3	Level 18	85	90	8	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
235.59	Unit 3	Level 18	85	90	1	ceramic (material)	whiteware	This is a whiteware rim sherd with a green and white transfer print.
235.60	Unit 3	Level 18	85	90	1	ceramic (material)	whiteware	This is a whiteware rim sherd with a blue glaze.
235.61	Unit 3	Level 18	85	90	1	ceramic (material)	whiteware	This is a whiteware rim sherd.
235.62	Unit 3	Level 18	85	90	1	ceramic (material)	whiteware	This is a whiteware body sherd.
235.63	Unit 3	Level 18	85	90	1	ceramic (material)	stoneware (pottery)	This is a salt-glazed stoneware base sherd.
235.64	Unit 3	Level 18	85	90	1	architectural terra cotta	tiles (object genre)	This is a curved, glazed terra cotta tile sherd.
235.65	Unit 3	Level 18	85	90	1	wood (plant material)	remains (object genre)	This is a wood fragment - likely milled.
235.66	Unit 3	Level 18	85	90	1	bone (material)	remains (object genre)	This is a bone fragment.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
235.67	Unit 3	Level 18	85	90	1	asphalt (bituminous material)	asphalt shingle	This is an asphalt shingle fragment.
235.68-72	Unit 3	Level 18	85	90	5	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
237.01	Unit 3	Level 19	90	95	1	low carbon steel	common nail	This is a 4" common nail.
237.02	Unit 3	Level 19	90	95	1	low carbon steel	common nail	This is a 2.75" common nail.
237.03-09	Unit 3	Level 19	90	95	7	glass (material)	container (receptacle)	These are colorless container glass body sherds.
237.10	Unit 3	Level 19	90	95	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
237.11	Unit 3	Level 19	90	95	1	glass (material)	bottle	This is a bottle glass rim sherd.
237.12	Unit 3	Level 19	90	95	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
237.13	Unit 3	Level 19	90	95	1	ceramic (material)	whiteware	This is a whiteware body sherd.
237.14	Unit 3	Level 19	90	95	1	architectural terra cotta	tiles (object genre)	This is a curved, glazed terra cotta tile sherd.
237.15	Unit 3	Level 19	90	95	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
237.16	Unit 3	Level 19	90	95	1	asbestos	tiles (object genre)	This is an asbestos tile fragment.
237.17	Unit 3	Level 19	90	95	1	concrete	sample	This is a concrete sample.
237.18	Unit 3	Level 19	90	95	1	Styrofoam™	fragment (object portion)	This is a Styrofoam™ fragment.
237.19	Unit 3	Level 19	90	95	1	plastic (material)	fragment (object portion)	This is a plastic bag fragment.
240.01	Unit 3	Level 20	95	100	1	low carbon steel	common nail	This is a 4.25" common nail.
240.02	Unit 3	Level 20	95	100	1	low carbon steel	common nail	This is a common nail shank.
240.03	Unit 3	Level 20	95	100	1	low carbon steel	screw	This is a 1.5" screw.
240.04-05	Unit 3	Level 20	95	100	2	low carbon steel	bolt (fastener)	These are bolt head and shank fragments.
240.06	Unit 3	Level 20	95	100	1	low carbon steel	cotter pin	This is a cotter pin.
240.07-08	Unit 3	Level 20	95	100	2	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
240.09-10	Unit 3	Level 20	95	100	2	glass (material)	container (receptacle)	These are colorless container glass base sherds.
240.11	Unit 3	Level 20	95	100	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with stippling - post 1945.
240.12-16	Unit 3	Level 20	95	100	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
240.17	Unit 3	Level 20	95	100	1	glass (material)	container (receptacle)	This is a blue container glass body sherd.
240.18	Unit 3	Level 20	95	100	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
240.19	Unit 3	Level 20	95	100	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
240.20	Unit 3	Level 20	95	100	1	ceramic (material)	whiteware	This is a whiteware base sherd with a partial maker's mark - "ENGLAND." Ridgeways Shelton, England Circa 1930-1952. Kowalsky and Kowalsky 1999: 325
243.01	Unit 3	Level 21	100	105	1	low carbon steel	common nail	This is a 3.75" common nail.
243.02	Unit 3	Level 21	100	105	1	low carbon steel	common nail	This is a 3.5" common nail.
243.03	Unit 3	Level 21	100	105	1	low carbon steel	cut nail	This is a 1.25" cut nail.
243.04	Unit 3	Level 21	100	105	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
243.05	Unit 3	Level 21	100	105	1	low carbon steel	cut nail	This is a cut nail shank.
243.06-12	Unit 3	Level 21	100	105	7	glass (material)	container (receptacle)	These are colorless container glass body sherds.
243.13	Unit 3	Level 21	100	105	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
243.14	Unit 3	Level 21	100	105	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
243.15	Unit 3	Level 21	100	105	1	glass (material)	wired glass	This is a sherd of Mississippi wire glass.
243.16	Unit 3	Level 21	100	105	1	glass (material)	pane (architectural element)	This thick, flat glass sherd.
243.17	Unit 3	Level 21	100	105	1	porcelain (material)	container (receptacle)	This is a porcelain body sherd with a hand-painted floral motif.
243.18	Unit 3	Level 21	100	105	1	limestone	fragment (object portion)	This is a burned limestone fragment.
243.19	Unit 3	Level 21	100	105	1	anthracite	sample	This is an anthracite/coal sample.
243.20	Unit 3	Level 21	100	105	1	clinker	sample	This is a clinker sample.
244.01	Unit 3	Level 22	105	110	1	low carbon steel	common nail	This is a 2.5" common nail.
244.02	Unit 3	Level 22	105	110	1	low carbon steel	sheet (flat object)	This is a steel sheet fragment with a rectangular hole punched in the middle.
244.03	Unit 3	Level 22	105	110	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "NEAPO."
244.04	Unit 3	Level 22	105	110	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
244.05	Unit 3	Level 22	105	110	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
244.06	Unit 3	Level 22	105	110	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
244.07	Unit 3	Level 22	105	110	1	ceramic (material)	whiteware	This is a whiteware body sherd.
244.08	Unit 3	Level 22	105	110	1	sandstone	fragment (object portion)	This is a fragment of dressed sandstone.
245.01	Unit 3	Level 23	110	115	1	low carbon steel	can (container)	This is a metal can fragment.
245.02-05	Unit 3	Level 23	110	115	4	glass (material)	container (receptacle)	These are colorless container glass body sherds.
245.06	Unit 3	Level 23	110	115	1	limestone	fragment (object portion)	This is a fragment of burned limestone.
245.07	Unit 3	Level 23	110	115	1	mortar (filler)	sample	This is a mortar sample.
248.01	Unit 3	Level 24	115	120	1	low carbon steel	common nail	This is a 2.5" common nail.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
248.02	Unit 3	Level 24	115	120	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "R."
248.03	Unit 3	Level 24	115	120	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
248.04	Unit 3	Level 24	115	120	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
248.05	Unit 3	Level 24	115	120	1	ceramic (material)	whiteware	This is a whiteware rim sherd.
248.06	Unit 3	Level 24	115	120	1	anthrocite	sample	This is an anthrocite/coal sample.
249.01-02	Unit 3	Level 25	120	125	2	low carbon steel	rail spike	These are 6" rail spikes.
249.03	Unit 3	Level 25	120	125	1	low carbon steel	common nail	This is a 3.5" common nail.
249.04	Unit 3	Level 25	120	125	1	low carbon steel	cut nail	This is a 1.5" cut nail.
249.05	Unit 3	Level 25	120	125	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
249.06	Unit 3	Level 25	120	125	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with embossing - "61" or "19."
249.07-08	Unit 3	Level 25	120	125	2	glass (material)	container (receptacle)	These are colorless container glass body sherds with embossing. One says "PINT" and the other says "OU."
249.09-15	Unit 3	Level 25	120	125	7	glass (material)	container (receptacle)	These are colorless container glass body sherds.
249.16	Unit 3	Level 25	120	125	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
249.17	Unit 3	Level 25	120	125	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
249.18-20	Unit 3	Level 25	120	125	3	glass (material)	container (receptacle)	These are brown container glass body sherds.
249.21	Unit 3	Level 25	120	125	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
249.22	Unit 3	Level 25	120	125	1	ceramic (material)	ironstone (pottery)	This is an ironstone body sherd.
251.01	Unit 3	Level 26	135	150	1	low carbon steel	common nail	This is a 4" common nail.
251.02-03	Unit 3	Level 26	135	150	2	low carbon steel	common nail	These are 3.75" common nails.
251.04-09	Unit 3	Level 26	135	150	6	low carbon steel	common nail	These are 3.5" common nails.
251.10	Unit 3	Level 26	135	150	1	low carbon steel	common nail	This is a 1.25" common nail.
251.11	Unit 3	Level 26	135	150	1	low carbon steel	screw	This is a 1.75" screw.
251.12	Unit 3	Level 26	135	150	1	low carbon steel	screw	This is a 1.5" screw.
251.13	Unit 3	Level 26	135	150	1	low carbon steel	common nail	This is a common nail shank.
251.14	Unit 3	Level 26	135	150	1	low carbon steel	cut nail	This is a 4" cut nail.
251.15	Unit 3	Level 26	135	150	1	low carbon steel	wire	This is a 7 gauge wire fragment.
251.16	Unit 3	Level 26	135	150	1	copper (metal)	lighting device component	This is a copper lightbulb cap.
251.17-18	Unit 3	Level 26	135	150	2	glass (material)	container (receptacle)	These are container glass base sherds, embossed with the Anchor Hawking mark (1938-1980).
251.19	Unit 3	Level 26	135	150	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd.
251.20	Unit 3	Level 26	135	150	1	glass (material)	container (receptacle)	This is a colorless container glass rim sherd.
251.21-40	Unit 3	Level 26	135	150	20	glass (material)	container (receptacle)	These are colorless container glass body sherds.
251.41	Unit 3	Level 26	135	150	1	glass (material)	container (receptacle)	This is a light green container glass body sherd.
251.42	Unit 3	Level 26	135	150	1	glass (material)	container (receptacle)	This is a brown container glass body sherd with embossing - "NOT TO BE."
251.43-49	Unit 3	Level 26	135	150	7	glass (material)	container (receptacle)	These are brown container glass body sherds.
251.50	Unit 3	Level 26	135	150	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
251.51	Unit 3	Level 26	135	150	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
251.52-56	Unit 3	Level 26	135	150	5	glass (material)	lighting device component	These are lamp glass sherds.
251.57-60	Unit 3	Level 26	135	150	4	porcelain (material)	container (receptacle)	These are porcelain rim sherds with an annular gold leaf design.
251.61	Unit 3	Level 26	135	150	1	porcelain (material)	container (receptacle)	This is a porcelain base sherd.
251.62-63	Unit 3	Level 26	135	150	2	porcelain (material)	container (receptacle)	These are porcelain body sherds.
251.64	Unit 3	Level 26	135	150	1	ceramic (material)	whiteware	This is a whiteware rimsherd that has been burned.
251.65	Unit 3	Level 26	135	150	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
251.66-68	Unit 3	Level 26	135	150	3	limestone	fragment (object portion)	These are dressed limestone fragments.
251.69	Unit 3	Level 26	135	150	1	limestone	fragment (object portion)	This is a burned limestone fragment.
251.70	Unit 3	Level 26	135	150	1	anthrocite	sample	This is an anthrocite/coal sample.
251.71	Unit 3	Level 26	135	150	1	clinker	sample	This is a clinker sample.
251.72	Unit 3	Level 26	135	150	1	plastic (material)	fragment (object portion)	This is a red plastic fragment - likely from the taillight of a car.
251.73	Unit 3	Level 26	135	150	1	rubber (material)	mudflap	This is a blue rubber mudflap. Patent number: 2,585,397 (post 1952); made in USA.
253.01	Unit 3	STP in S	150	170	1	iron (metal)	can (container)	This is a metal can fragment.
253.02	Unit 3	STP in S	150	170	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
253.03	Unit 3	STP in S	150	170	1	brick (clay material)	brick (visual works)	This is a yellow brick fragment.
253.04	Unit 3	STP in S	150	170	1	mortar (filler)	sample	This is a mortar sample.
252.01	Unit 3	STP in S	170	190	1	low carbon steel	common nail	This is a 3.5" common nail.
252.02	Unit 3	STP in S	170	190	1	low carbon steel	common nail	This is common nail head and shank fragment.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
252.03	Unit 3	STP in S	170	190	1	low carbon steel	cut nail	This is a 2.5" cut nail.
252.04	Unit 3	STP in S	170	190	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
199.01	Unit 4	Level 1	0	5	1	clinker	sample	This is a clinker sample.
199.02	Unit 4	Level 1	0	5	1	plastic (material)	pipe (conduit)	This is a plastic pipe conduit fragment.
201.01	Unit 4	Level 2	5	10	1	stainless steel	earring (jewelry)	This is an earring back.
201.02	Unit 4	Level 2	5	10	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
203.01	Unit 4	Level 3	10	15	1	stainless steel	earring (jewelry)	This is an earring fragment made from stainless steel, with a brass wire loop that is holding a black glass bead.
203.02	Unit 4	Level 3	10	15	1	low carbon steel	common nail	This is a 1.25" common nail.
203.03-04	Unit 4	Level 3	10	15	2	low carbon steel	common nail	These are common nail shanks.
203.05	Unit 4	Level 3	10	15	1	low carbon steel	bolt (fastener)	This is a 1.5" bolt.
203.06	Unit 4	Level 3	10	15	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
203.07	Unit 4	Level 3	10	15	1	iron (metal)	fragment (object portion)	This is an unidentified iron fragment.
203.08-12	Unit 4	Level 3	10	15	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
203.13-16	Unit 4	Level 3	10	15	4	glass (material)	container (receptacle)	These are brown container glass body sherds.
203.17-20	Unit 4	Level 3	10	15	4	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
203.21	Unit 4	Level 3	10	15	1	glass (material)	lighting device component	This is a lamp glass sherd.
203.22	Unit 4	Level 3	10	15	1	anthracite	sample	This is an anthracite/coal sample.
203.23	Unit 4	Level 3	10	15	1	clinker	sample	This is a clinker sample.
203.24-28	Unit 4	Level 3	10	15	5	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
203.29	Unit 4	Level 3	10	15	1	ceramic (material)	stoneware (pottery)	This is a stoneware body sherd with a salt-glazed exterior and manganese-glazed interior.
206.01	Unit 4	Level 4	15	20	1	low carbon steel	common nail	This is a 2.5" common nail.
206.02-03	Unit 4	Level 4	15	20	2	low carbon steel	cut nail	These are cut nail head and shank fragments.
206.04	Unit 4	Level 4	15	20	1	low carbon steel	cut nail	This is a cut nail shank.
206.05-06	Unit 4	Level 4	15	20	2	low carbon steel	wire	These are 7 gauge wire fragments.
206.07-08	Unit 4	Level 4	15	20	2	low carbon steel	can (container)	These are metal can rim fragments.
206.09	Unit 4	Level 4	15	20	1	iron (metal)	fragment (object portion)	This is an unidentified iron fragment.
206.10	Unit 4	Level 4	15	20	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with embossing - an "A" inside a circle. The sherd has an amethyst tint. Likely American Glass Works -Richmond, Virginia (ca. 1908-1912).
206.11-20	Unit 4	Level 4	15	20	10	glass (material)	container (receptacle)	These are colorless container glass body sherds.
206.21-23	Unit 4	Level 4	15	20	3	glass (material)	container (receptacle)	These are green container glass body sherds.
206.24-27	Unit 4	Level 4	15	20	4	glass (material)	container (receptacle)	These are brown container glass body sherds.
206.28	Unit 4	Level 4	15	20	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
206.29	Unit 4	Level 4	15	20	1	concrete	sample	This is a concrete sample.
206.30	Unit 4	Level 4	15	20	1	bone (material)	remains (object genre)	This is a bone fragment.
206.31	Unit 4	Level 4	15	20	1	clinker	sample	This is a clinker sample.
207.01	Unit 4	Level 5	20	25	1	low carbon steel	common nail	This is a 4" common nail.
207.02	Unit 4	Level 5	20	25	1	low carbon steel	common nail	This is a 3.25" common nail.
207.03	Unit 4	Level 5	20	25	1	low carbon steel	common nail	This is a 2.5" common nail.
207.04	Unit 4	Level 5	20	25	1	low carbon steel	common nail	This is a 1.5" common nail.
207.05-06	Unit 4	Level 5	20	25	2	low carbon steel	common nail	These are common nail head and shank fragments.
207.07	Unit 4	Level 5	20	25	1	low carbon steel	cut nail	This is a 2" cut nail.
207.08	Unit 4	Level 5	20	25	1	low carbon steel	cut nail	This is a cut nail shank.
207.09	Unit 4	Level 5	20	25	1	low carbon steel	screw	This is a 2" screw.
207.10	Unit 4	Level 5	20	25	1	low carbon steel	screw	This is a 1.5" screw.
207.11	Unit 4	Level 5	20	25	1	low carbon steel	washer (fastener)	This is a 3" diameter washer fragment.
207.12	Unit 4	Level 5	20	25	1	low carbon steel	strap (fastener)	This is a 0.75" wide metal strap.
207.13-14	Unit 4	Level 5	20	25	2	low carbon steel	can (container)	These are metal can rim fragments.
207.15	Unit 4	Level 5	20	25	1	iron (metal)	fragment (object portion)	This is an unidentified iron fragment.
207.16	Unit 4	Level 5	20	25	1	copper (metal)	fragment (object portion)	This is a copper mesh fragment - possibly to a teapot or watering can.
207.17	Unit 4	Level 5	20	25	1	glass (material)	marble (game piece)	This is an opaque marble (Grist and Huffer 2011:38)
207.18	Unit 4	Level 5	20	25	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with embossing - "55."
207.19-20	Unit 4	Level 5	20	25	2	glass (material)	container (receptacle)	These are colorless container glass body sherds with embossing. One says, "ST" and "O" and the other says, "E."
207.21-40	Unit 4	Level 5	20	25	20	glass (material)	container (receptacle)	These are colorless container glass body sherds.
207.41-42	Unit 4	Level 5	20	25	2	glass (material)	container (receptacle)	These are light green container glass body sherds.
207.43-45	Unit 4	Level 5	20	25	3	glass (material)	container (receptacle)	These are green container glass body sherds.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
207.46	Unit 4	Level 5	20	25	1	glass (material)	container (receptacle)	This is a brown bottle glass base sherd with embossing on the heel - "18" and stippling.
207.47-49	Unit 4	Level 5	20	25	3	glass (material)	container (receptacle)	These are brown bottle glass body sherds with embossing.
207.50-57	Unit 4	Level 5	20	25	8	glass (material)	container (receptacle)	These are brown bottle glass body sherds.
207.58-67	Unit 4	Level 5	20	25	10	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
207.68-73	Unit 4	Level 5	20	25	6	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
207.74-75	Unit 4	Level 5	20	25	2	glass (material)	sherd	These are melted glass sherds.
207.76	Unit 4	Level 5	20	25	1	ceramic (material)	whiteware	This is a whiteware body sherd with a pink transfer print.
207.77	Unit 4	Level 5	20	25	1	ceramic (material)	earthenware	This is an earthenware/spongeware body sherd.
207.78	Unit 4	Level 5	20	25	1	architectural terra cotta	tiles (object genre)	This is a curved, glazed terra cotta tile sherd.
207.79-80	Unit 4	Level 5	20	25	2	terracotta (clay material)	container (receptacle)	These are terra cotta body sherds - likely from a flower pot.
207.81	Unit 4	Level 5	20	25	1	anthracite	sample	This is an anthracite/coal sample.
207.82	Unit 4	Level 5	20	25	1	clinker	sample	This is a clinker sample.
207.83	Unit 4	Level 5	20	25	1	slag	sample	This is a slag sample.
207.84	Unit 4	Level 5	20	25	1	plastic (material)	pipe (smoking equipment)	This is an White Owl cigar tip (1970s to present).
207.85	Unit 4	Level 5	20	25	1	asbestos	tiles (object genre)	This is an asbestos tile fragment.
210.01	Unit 4	Level 6	25	30	1	low carbon steel	common nail	This is a 2.5" common nail.
210.02	Unit 4	Level 6	25	30	1	low carbon steel	common nail	This is a 2" common nail.
210.03	Unit 4	Level 6	25	30	1	low carbon steel	common nail	This is a 1.5" common nail.
210.04-05	Unit 4	Level 6	25	30	2	low carbon steel	common nail	These are common nail shanks.
210.06	Unit 4	Level 6	25	30	1	low carbon steel	screw	This is a 10" screw with a 1.5" diameter washer attached.
210.07	Unit 4	Level 6	25	30	1	low carbon steel	wire	This is a 5 gauge wire fragment.
210.08	Unit 4	Level 6	25	30	1	wrought iron (iron alloy)	strap (fastener)	This is a wrought iron strap fragment.
210.09-13	Unit 4	Level 6	25	30	5	low carbon steel	strap (fastener)	These are metal strap fragments.
210.14	Unit 4	Level 6	25	30	1	iron (metal)	disk (object genre)	This is an iron disk with a 1.75" diameter.
210.15	Unit 4	Level 6	25	30	1	low carbon steel	can (container)	This is a metal can rim fragment.
210.16-17	Unit 4	Level 6	25	30	2	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
210.18	Unit 4	Level 6	25	30	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd with embossing - "6006."
210.19	Unit 4	Level 6	25	30	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "LE."
210.20-29	Unit 4	Level 6	25	30	10	glass (material)	container (receptacle)	These are colorless container glass body sherds.
210.30	Unit 4	Level 6	25	30	1	glass (material)	body sherd	This is a pink glass body sherd - possibly to a lamp or a container.
210.31	Unit 4	Level 6	25	30	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
210.32-35	Unit 4	Level 6	25	30	4	glass (material)	container (receptacle)	These are brown container glass body sherds.
210.36-44	Unit 4	Level 6	25	30	9	glass (material)	pane (architectural element)	These are thick flat glass sherds.
210.45	Unit 4	Level 6	25	30	1	porcelain (material)	container (receptacle)	This is a porcelain rim sherd.
210.46-47	Unit 4	Level 6	25	30	2	ceramic (material)	whiteware	These are whiteware body sherds.
210.48	Unit 4	Level 6	25	30	1	ceramic (material)	stoneware (pottery)	This is a stoneware rim sherd with a salt glaze.
210.49	Unit 4	Level 6	25	30	1	leather	shoe (footwear)	This is a leather shoe sole fragment with holes where metal tacks would go.
210.50	Unit 4	Level 6	25	30	1	anthracite	sample	This is an anthracite/coal sample.
210.51	Unit 4	Level 6	25	30	1	clinker	sample	This is a clinker sample.
210.52-53	Unit 4	Level 6	25	30	2	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
211.01	Unit 4	Level 7	30	35	1	low carbon steel	common nail	This is a 3.5" common nail.
211.02-03	Unit 4	Level 7	30	35	2	low carbon steel	common nail	These are 3" common nails.
211.04-06	Unit 4	Level 7	30	35	3	low carbon steel	common nail	These are 2.5" common nails.
211.07	Unit 4	Level 7	30	35	1	low carbon steel	screw	This is a 2.25" screw - possibly with a slotted head.
211.08	Unit 4	Level 7	30	35	1	low carbon steel	screw	This is a screw shank.
211.09	Unit 4	Level 7	30	35	1	low carbon steel	bolt (fastener)	This is a bolt shank fragment with hex nut attached.
211.10	Unit 4	Level 7	30	35	1	low carbon steel	wire	This is a 5 gauge wire fragment.
211.11	Unit 4	Level 7	30	35	1	low carbon steel	sheet (flat object)	This is a sheet metal fragment with one hole punched in the center.
211.12-25	Unit 4	Level 7	30	35	14	low carbon steel	strap (fastener)	These are strap fragments.
211.26-27	Unit 4	Level 7	30	35	2	glass (material)	lighting device component	This is a lightbulb base and filament.
211.28-29	Unit 4	Level 7	30	35	2	glass (material)	container (receptacle)	These are colorless container glass body sherds.
211.30	Unit 4	Level 7	30	35	1	glass (material)	container (receptacle)	This is a green container glass body sherd with stippling - post 1945.
211.31	Unit 4	Level 7	30	35	1	glass (material)	container (receptacle)	This is a brown container glass base sherd with stippling (post 1945).

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
211.32	Unit 4	Level 7	30	35	1	glass (material)	container (receptacle)	This is a brown container glass body sherd with stippling (post 1945).
211.33-34	Unit 4	Level 7	30	35	2	glass (material)	pane (architectural element)	These are thick flat glass sherds.
211.35-36	Unit 4	Level 7	30	35	2	glass (material)	lighting device component	These are lamp glass sherds.
211.37	Unit 4	Level 7	30	35	1	porcelain (material)	insulator	This is a porcelain insulator fragment.
211.38	Unit 4	Level 7	30	35	1	ceramic (material)	whiteware	This is a whiteware base sherd.
211.39-40	Unit 4	Level 7	30	35	2	ceramic (material)	whiteware	These are whiteware rim sherds.
211.41	Unit 4	Level 7	30	35	1	anthracite	sample	This is an anthracite/coal sample.
211.42	Unit 4	Level 7	30	35	1	clinker	sample	This is a clinker sample.
211.43	Unit 4	Level 7	30	35	1	plastic (material)	fragment (object portion)	This is a miscellaneous plastic fragment.
214.01	Unit 4	Level 8	35	40	1	low carbon steel	common nail	This is a 4.75" common nail.
214.02	Unit 4	Level 8	35	40	1	low carbon steel	common nail	This is a 4" common nail.
214.03-04	Unit 4	Level 8	35	40	2	low carbon steel	common nail	These are 2.5" common nails.
214.05	Unit 4	Level 8	35	40	1	low carbon steel	common nail	This is a 1.75" common nail.
214.06-11	Unit 4	Level 8	35	40	6	low carbon steel	common nail	These are common nail shanks.
214.12	Unit 4	Level 8	35	40	1	low carbon steel	screw	This is a 2.75" screw.
214.13	Unit 4	Level 8	35	40	1	low carbon steel	screw	This is a screw shank.
214.14	Unit 4	Level 8	35	40	1	low carbon steel	bolt (fastener)	This is a 2" bolt.
214.15	Unit 4	Level 8	35	40	1	low carbon steel	washer (fastener)	This is a 2" diameter washer.
214.16	Unit 4	Level 8	35	40	1	low carbon steel	wire	This is a 4 gauge wire fragment.
214.17-19	Unit 4	Level 8	35	40	3	low carbon steel	strap (fastener)	These are metal strap fragments.
214.20	Unit 4	Level 8	35	40	1	low carbon steel	can (container)	This is a can lid (ca. 1935-1970). "Beer Can History" BCCA 2020
214.21-22	Unit 4	Level 8	35	40	2	low carbon steel	can (container)	These are can rim fragments.
214.23-37	Unit 4	Level 8	35	40	15	low carbon steel	can (container)	These are can body fragments.
214.38	Unit 4	Level 8	35	40	1	copper (metal)	lighting device component	This is a lightbulb base fragment.
214.39-40	Unit 4	Level 8	35	40	2	copper (metal)	lighting device component	These are small, string light, light bulb bases.
214.41-42	Unit 4	Level 8	35	40	2	low carbon steel	fishhooks	These are fishhooks.
214.43-45	Unit 4	Level 8	35	40	3	aluminum (metal)	sheet (flat object)	These are metal sheet fragments.
214.46	Unit 4	Level 8	35	40	1	glass (material)	container (receptacle)	This is a colorless container glass lip sherd.
214.47-56	Unit 4	Level 8	35	40	10	glass (material)	container (receptacle)	These are colorless container glass body sherds.
214.57	Unit 4	Level 8	35	40	1	glass (material)	container (receptacle)	This is a green container glass body sherd.
214.58	Unit 4	Level 8	35	40	1	glass (material)	bottle	This is a brown bottle glass base with stippling, embossing, and mark. Buck Glass Co. 1964. Lockhart et al 2013: 341-343.
214.59-61	Unit 4	Level 8	35	40	3	glass (material)	bottle	These are brown bottle glass rim sherds from a fully machine made bottle.
214.62-73	Unit 4	Level 8	35	40	12	glass (material)	bottle	These are brown container glass body sherds with embossing and stippling - (ca. 1935-1964) (SHA bottle guide - question 10).
214.74-95	Unit 4	Level 8	35	40	22	glass (material)	bottle	These are brown container glass body sherds.
214.96-104	Unit 4	Level 8	35	40	9	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
214.105	Unit 4	Level 8	35	40	1	glass (material)	lighting device component	This is a sherd to a lightbulb base.
214.106	Unit 4	Level 8	35	40	1	glass (material)	lighting device component	This is a filament to a lightbulb.
214.107-109	Unit 4	Level 8	35	40	3	glass (material)	lighting device component	These are sherds to a lamp globe/cover.
214.110-115	Unit 4	Level 8	35	40	6	glass (material)	lighting device component	These are lamp glass sherds.
214.116	Unit 4	Level 8	35	40	1	glass (material)	mirror	This is a sherd of mirror glass.
214.117	Unit 4	Level 8	35	40	1	ceramic (material)	whiteware	This is a whiteware body sherd.
214.118	Unit 4	Level 8	35	40	1	ceramic (material)	stoneware (pottery)	This is a salt-glazed stoneware body sherd.
214.119	Unit 4	Level 8	35	40	1	anthracite	sample	This is an anthracite/coal sample.
214.120	Unit 4	Level 8	35	40	1	concrete	sample	This is a concrete sample.
214.121	Unit 4	Level 8	35	40	1	mortar (filler)	sample	This is a mortar sample.
214.122	Unit 4	Level 8	35	40	1	clinker	sample	This is a clinker sample.
214.123	Unit 4	Level 8	35	40	1	rubber (material)	electric conduit	This is a rubber conduit with writing on it - "COND" "16" "TYPE."
214.124-127	Unit 4	Level 8	35	40	4	plastic (material)	fragment (object portion)	These are miscellaneous plastic fragments.
217.01	Unit 4	Level 9	40	45	1	low carbon steel	rail spike	This is a 6" rail spike with a chisel point.
217.02	Unit 4	Level 9	40	45	1	low carbon steel	common nail	This is a 2" common nail.
217.03-04	Unit 4	Level 9	40	45	2	low carbon steel	common nail	These are 1.5" common nails.
217.05	Unit 4	Level 9	40	45	1	low carbon steel	roofing nail	This is a 1" roofing nail.

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217.06	Unit 4	Level 9	40	45	1	low carbon steel	common nail	This is a common nail head and shank fragment attached to a metal strap fragment.
217.07	Unit 4	Level 9	40	45	1	low carbon steel	common nail	This is a common nail shank.
217.08-10	Unit 4	Level 9	40	45	3	low carbon steel	cut nail	These are cut nail head and shank fragments.
217.11	Unit 4	Level 9	40	45	1	low carbon steel	cotter pin	This is a cotter pin fragment.
217.12	Unit 4	Level 9	40	45	1	low carbon steel	can (container)	This is a steel can base.
217.13-15	Unit 4	Level 9	40	45	3	low carbon steel	can (container)	These are steel can rim fragments.
217.16-44	Unit 4	Level 9	40	45	29	low carbon steel	can (container)	These are steel can body fragments.
217.45	Unit 4	Level 9	40	45	1	low carbon steel	strap (fastener)	This is a metal strap fragment.
217.46-47	Unit 4	Level 9	40	45	1	iron (metal)	fragment (object portion)	These are unidentified iron fragment with clinker attached.
217.48	Unit 4	Level 9	40	45	1	lead (metal)	fragment (object portion)	This is a lead sprue.
217.49-52	Unit 4	Level 9	40	45	4	glass (material)	bottle	These are colorless bottle glass rim sherds. Fully machine made based on the mold seam (post 1910).
217.53-66	Unit 4	Level 9	40	45	14	glass (material)	container (receptacle)	These are colorless container glass body sherds.
217.67	Unit 4	Level 9	40	45	1	glass (material)	container (receptacle)	This is an amber body sherd.
217.68	Unit 4	Level 9	40	45	1	glass (material)	bottle	This is a brown bottle glass body sherd with stippling and embossing - (ca.1935-1964) (SHA bottle guide - question 10).
217.69-70	Unit 4	Level 9	40	45	2	glass (material)	bottle	These are brown bottle glass body sherds with stippling.
217.71-75	Unit 4	Level 9	40	45	5	glass (material)	bottle	These are brown bottle glass body sherds.
217.76-78	Unit 4	Level 9	40	45	3	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
217.79-83	Unit 4	Level 9	40	45	5	glass (material)	lighting device component	These are lamp glass sherds.
217.84	Unit 4	Level 9	40	45	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
217.85	Unit 4	Level 9	40	45	1	anthracite	sample	This is an anthracite/coal sample.
217.86	Unit 4	Level 9	40	45	1	mortar (filler)	sample	This is a mortar sample.
217.87	Unit 4	Level 9	40	45	1	asphalt (bituminous material)	asphalt shingle	This is an asphalt shingle fragment.
217.88	Unit 4	Level 9	40	45	1	slag	sample	This is a slag sample.
217.89	Unit 4	Level 9	40	45	1	clinker	sample	This is a clinker sample.
217.90	Unit 4	Level 9	40	45	1	plastic (material)	fragment (object portion)	This is a white plastic fragment.
218.01-02	Unit 4	Level 10	45	50	2	aluminum (metal)	can (container)	These are aluminum tab fragments (Type: Z-I-3) (Maker - Dayton/Alcoa) (ca. 1963-1964).
218.03	Unit 4	Level 10	45	50	1	low carbon steel	common nail	This is a 3.5" common nail.
218.04	Unit 4	Level 10	45	50	1	low carbon steel	common nail	This is a common nail head and shank fragment.
218.05	Unit 4	Level 10	45	50	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
218.06-08	Unit 4	Level 10	45	50	3	glass (material)	container (receptacle)	These are colorless container glass body sherds.
218.09-11	Unit 4	Level 10	45	50	3	glass (material)	container (receptacle)	These are light blue container glass body sherds.
218.12	Unit 4	Level 10	45	50	1	glass (material)	insulator	This is an aqua, glass insulator sherd.
218.13	Unit 4	Level 10	45	50	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
218.14	Unit 4	Level 10	45	50	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
218.15	Unit 4	Level 10	45	50	1	anthracite	sample	This is an anthracite/coal sample.
218.16	Unit 4	Level 10	45	50	1	mortar (filler)	sample	This is a mortar sample.
218.17	Unit 4	Level 11	50	55	1	clinker	sample	This is a clinker sample.
220.01	Unit 4	Level 11	50	55	1	low carbon steel	common nail	This is a 3" common nail.
220.02	Unit 4	Level 11	50	55	1	low carbon steel	common nail	This is a 2.5" common nail.
220.03-04	Unit 4	Level 11	50	55	2	low carbon steel	common nail	These are common nail head and shank fragments.
220.05	Unit 4	Level 11	50	55	1	low carbon steel	bolt (fastener)	This is a bolt fragment with a square nut attached. The nut is 0.5" in diameter.
220.06-07	Unit 4	Level 11	50	55	2	low carbon steel	wire	These are 5 gauge wire fragments.
220.08	Unit 4	Level 11	50	55	1	low carbon steel	can (container)	This is a can fragment.
220.09	Unit 4	Level 11	50	55	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "W" or "M."
220.10-12	Unit 4	Level 11	50	55	3	glass (material)	container (receptacle)	These are colorless container glass body sherds.
220.13	Unit 4	Level 11	50	55	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
220.14	Unit 4	Level 11	50	55	1	porcelain (material)	container (receptacle)	This is a porcelain rim sherd.
220.15	Unit 4	Level 11	50	55	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
220.16	Unit 4	Level 11	50	55	1	anthracite	sample	This is an anthracite/coal sample.
220.17	Unit 4	Level 11	50	55	1	mortar (filler)	sample	This is a mortar sample.
220.18	Unit 4	Level 11	50	55	1	slag	sample	This is a slag sample.
220.19	Unit 4	Level 11	50	55	1	clinker	sample	This is a clinker sample.
222.01-08	Unit 4	Level 12	55	60	8	low carbon steel	common nail	These are common nail shanks.
222.09-10	Unit 4	Level 12	55	60	2	low carbon steel	cut nail	These are cut nail shanks.
222.11-16	Unit 4	Level 12	55	60	6	low carbon steel	wire	These are 6 gauge wire fragments.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
222.17	Unit 4	Level 12	55	60	1	low carbon steel	can (container)	This is a steel can fragment.
222.18-23	Unit 4	Level 12	55	60	6	cast iron	fragment (object portion)	These are cast iron fragments - possibly from a stove.
222.24-28	Unit 4	Level 12	55	60	5	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
222.29	Unit 4	Level 12	55	60	1	copper (metal)	sheet (flat object)	This is a copper sheet fragment.
222.30	Unit 4	Level 12	55	60	1	lead (metal)	fragment (object portion)	This is a lead sprue with clinker and iron attached.
222.31-32	Unit 4	Level 12	55	60	2	glass (material)	sherd	These are colorless glass sherds - possibly to a lamp chimney.
222.33-37	Unit 4	Level 12	55	60	5	glass (material)	container (receptacle)	These are colorless container glass body sherds.
222.38	Unit 4	Level 12	55	60	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
222.39	Unit 4	Level 12	55	60	1	ceramic (material)	whiteware	This is a whiteware body sherd.
222.40-42	Unit 4	Level 12	55	60	3	brick (clay material)	brick (visual works)	These are stamped red brick fragments - "Menomonie Press Brick Company." 1893 start, Last brick works closed 1960s. Russel, John. "The Brickyard Gang" Chipewa Herald Aug. 15, 2010
222.43	Unit 4	Level 12	55	60	1	mortar (filler)	sample	This is a mortar sample. It is stamped from being pressed between two bricks.
222.44	Unit 4	Level 12	55	60	1	anthrocite	sample	This is an anthrocite/coal sample.
222.45	Unit 4	Level 12	55	60	1	clinker	sample	This is a clinker sample.
224.01-05	Unit 4	Level 13	60	65	5	low carbon steel	common nail	These are common nail shanks.
224.06	Unit 4	Level 13	60	65	1	low carbon steel	cut nail	This is 4" cut nail.
224.07-08	Unit 4	Level 13	60	65	2	low carbon steel	cut nail	These are cut nail head and shank fragments.
224.09	Unit 4	Level 13	60	65	1	low carbon steel	cut nail	This is a cut nail shank.
224.10-17	Unit 4	Level 13	60	65	8	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
224.18-19	Unit 4	Level 13	60	65	2	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
224.20-21	Unit 4	Level 13	60	65	2	ceramic (material)	whiteware	These are whiteware body sherds.
224.22	Unit 4	Level 13	60	65	1	ceramic (material)	stoneware (pottery)	This is a salt glazed stoneware base sherd.
224.23	Unit 4	Level 13	60	65	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
224.24	Unit 4	Level 13	60	65	1	clinker	sample	This is a clinker sample.
224.25	Unit 4	Level 13	60	65	1	anthrocite	sample	This is an anthrocite/coal sample.
227.01	Unit 4	Level 14	65	70	1	low carbon steel	cut nail	This is a 3.25" cut nail.
227.02	Unit 4	Level 14	65	70	1	copper (metal)	sheet (flat object)	This is a copper sheet fragment.
227.03	Unit 4	Level 14	65	70	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
227.04	Unit 4	Level 14	65	70	1	ceramic (material)	ironstone (pottery)	This is an ironstone body sherd.
227.05-07	Unit 4	Level 14	65	70	3	ceramic (material)	whiteware	These are whiteware body sherds.
227.08	Unit 4	Level 14	65	70	1	anthrocite	sample	This is an anthrocite/coal sample.
227.09	Unit 4	Level 14	65	70	1	limestone	sample	This is a limestone fragment with mortar attached.
229.01-02	Unit 4	Level 15	70	75	2	low carbon steel	common nail	These are common nail shanks.
229.03	Unit 4	Level 15	70	75	1	low carbon steel	cut nail	This is a cut nail shank.
229.04	Unit 4	Level 15	70	75	1	low carbon steel	screw	This is a 1.5" screw.
229.05	Unit 4	Level 15	70	75	1	low carbon steel	screw	This is a 1.25" screw.
229.06-07	Unit 4	Level 15	70	75	2	glass (material)	container (receptacle)	These are colorless container glass body sherds.
229.08	Unit 4	Level 15	70	75	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
229.09	Unit 4	Level 15	70	75	1	ceramic (material)	whiteware	This is a whiteware body sherd.
229.10	Unit 4	Level 15	70	75	1	ceramic (material)	stoneware (pottery)	This is a salt glazed stoneware body sherd.
229.11	Unit 4	Level 15	70	75	1	anthrocite	sample	This is an anthrocite/coal sample.
230.01	Unit 4	Level 16	75	80	1	low carbon steel	common nail	This is a 4" common nail.
230.02	Unit 4	Level 16	75	80	1	low carbon steel	common nail	This is a 2" common nail.
230.03	Unit 4	Level 16	75	80	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
230.04	Unit 4	Level 16	75	80	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd.
230.05	Unit 4	Level 16	75	80	1	ceramic (material)	stoneware (pottery)	This is a glazed, stoneware body sherd.
230.06	Unit 4	Level 16	75	80	1	wood (plant material)	remains (object genre)	This is a wood fragment.
238.01	Unit 4	Level 16	75	80	1	glass (material)	container (receptacle)	This is an amber, container glass body sherd with embossing - "RS & Co".
231.01-04	Unit 4	Level 17	80	85	4	low carbon steel	cut nail	These are 3" cut nails.
231.05	Unit 4	Level 17	80	85	1	low carbon steel	cut nail	This is a 2.75" cut nail.
231.06-07	Unit 4	Level 17	80	85	2	low carbon steel	cut nail	These are 2.5" cut nails.
231.07	Unit 4	Level 17	80	85	1	low carbon steel	cut nail	This is a 2" cut nail.
231.08-10	Unit 4	Level 17	80	85	3	low carbon steel	cut nail	These are 1.75" cut nails.
231.11-12	Unit 4	Level 17	80	85	2	low carbon steel	cut nail	These are 1.25" cut nails.
231.13-16	Unit 4	Level 17	80	85	4	low carbon steel	cut nail	These are cut nail head and shank fragments.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
231.17-20	Unit 4	Level 17	80	85	4	low carbon steel	cut nail	These are cut nail shanks.
231.21	Unit 4	Level 17	80	85	1	low carbon steel	screw	This is a 1.25" screw.
231.22	Unit 4	Level 17	80	85	1	cast iron	escutcheon (hardware)	This is a door lock part, either an escutcheon or a strike plate.
231.23-32	Unit 4	Level 17	80	85	10	low carbon steel	can (container)	These are can fragments.
231.33-36	Unit 4	Level 17	80	85	4	low carbon steel	strap (fastener)	These are metal strap fragments.
231.37-39	Unit 4	Level 17	80	85	3	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
231.40	Unit 4	Level 17	80	85	1	glass (material)	container (receptacle)	This is a colorless container glass body sherd with embossing - "N."
231.41-44	Unit 4	Level 17	80	85	4	glass (material)	container (receptacle)	These are colorless container glass body sherds.
231.45	Unit 4	Level 17	80	85	1	glass (material)	bottle	This is a light blue, hand tooled, lip and neck sherd to a bottle.
231.46	Unit 4	Level 17	80	85	1	glass (material)	container (receptacle)	This is a brown container glass body sherd.
231.47-49	Unit 4	Level 17	80	85	3	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
231.50-51	Unit 4	Level 17	80	85	2	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
231.52-53	Unit 4	Level 17	80	85	2	ceramic (material)	whiteware	These are blue and white whiteware rim sherds with a molded feather-edge design.
231.54-55	Unit 4	Level 17	80	85	2	ceramic (material)	whiteware	These are whiteware rim sherds.
231.56-68	Unit 4	Level 17	80	85	13	ceramic (material)	whiteware	These are whiteware body sherds.
231.69	Unit 4	Level 17	80	85	1	ceramic (material)	yellowware	This is a yellowware rim sherd.
231.70	Unit 4	Level 17	80	85	1	ceramic (material)	yellowware	This is a yellowware body sherd with a sponged surface glaze.
231.71	Unit 4	Level 17	80	85	1	ceramic (material)	yellowware	This is a yellowware body sherd.
231.72	Unit 4	Level 17	80	85	1	terracotta (clay material)	container (receptacle)	This is a terra cotta body sherd.
231.73	Unit 4	Level 17	80	85	1	tooth (material)	remains (object genre)	This is a mammal tooth fragment.
231.74-98	Unit 4	Level 17	80	85	25	bone (material)	remains (object genre)	These are bone fragments.
231.99	Unit 4	Level 17	80	85	1	gray slate	fragment (object portion)	This is a gray slate fragment - possibly used for roofing.
231.100-101	Unit 4	Level 17	80	85	2	mortar (filler)	sample	These are mortar samples.
233.01	Unit 4	Level 18	85	90	1	tin (metal)	sheet (flat object)	This is a shaped piece of tin sheet metal that is stamped with a possible fleur de lis and clover design (Canada?). Fabric tassels are attached.
233.02	Unit 4	Level 18	85	90	1	low carbon steel	cut nail	This is a 3" cut nail.
233.03-04	Unit 4	Level 18	85	90	2	low carbon steel	cut nail	These are 2.5" cut nails.
233.05	Unit 4	Level 18	85	90	1	low carbon steel	cut nail	This is a burned, 2" cut nail.
233.06-07	Unit 4	Level 18	85	90	2	low carbon steel	cut nail	These are 1.5" cut nails.
233.08-10	Unit 4	Level 18	85	90	3	low carbon steel	cut nail	These are 1.25" cut nails.
233.11-19	Unit 4	Level 18	85	90	9	low carbon steel	cut nail	These are cut nail head and shank fragments.
233.20-23	Unit 4	Level 18	85	90	4	low carbon steel	cut nail	These are cut nail shanks.
233.24	Unit 4	Level 18	85	90	1	wrought iron (iron alloy)	cut nail	This is a 2.5" wrought nail.
233.25	Unit 4	Level 18	85	90	1	low carbon steel	screw	This is a 1.25" screw.
233.26	Unit 4	Level 18	85	90	1	iron (metal)	buckle (strap accessory)	This is a 1.5" diameter buckle.
233.27-33	Unit 4	Level 18	85	90	7	low carbon steel	can (container)	These are metal can fragments.
233.34-38	Unit 4	Level 18	85	90	5	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
233.39-41	Unit 4	Level 18	85	90	3	copper (metal)	sheet (flat object)	These are copper sheet fragments.
233.42	Unit 4	Level 18	85	90	1	glass (material)	container (receptacle)	This is a colorless container glass base sherd.
233.43-46	Unit 4	Level 18	85	90	4	glass (material)	container (receptacle)	These are colorless container glass body sherds.
233.47	Unit 4	Level 18	85	90	1	glass (material)	container (receptacle)	This is a light blue container glass base sherd.
233.48-50	Unit 4	Level 18	85	90	3	glass (material)	container (receptacle)	These are light blue container glass body sherds. Two of them are slightly melted.
233.51	Unit 4	Level 18	85	90	1	glass (material)	container (receptacle)	This is an amber container glass body sherd.
233.52-56	Unit 4	Level 18	85	90	5	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
233.57-59	Unit 4	Level 18	85	90	3	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
233.60	Unit 4	Level 18	85	90	1	ball clay	marble (game piece)	This is a white ball clay marble - "Commie" (Grist and Huffer 2011:39).
233.61	Unit 4	Level 18	85	90	1	ceramic (material)	whiteware	This is a blue and white whiteware rim sherd with a molded feather-edge design.
233.62-65	Unit 4	Level 18	85	90	4	ceramic (material)	whiteware	These are whiteware rim sherds.
233.66-69	Unit 4	Level 18	85	90	4	ceramic (material)	whiteware	These are whiteware base sherds.
233.70	Unit 4	Level 18	85	90	1	ceramic (material)	whiteware	This is a whiteware base sherd with a partial mark - "RE." Partial mark for "Ironstone, John Alcock, Cobridge, China" circa 1850-1861. Kowalsky and Kowalsky 1999:90
233.71-74	Unit 4	Level 18	85	90	4	ceramic (material)	whiteware	These are whiteware body sherds.
233.75	Unit 4	Level 18	85	90	1	ceramic (material)	yellowware	This is a yellowware rim sherd.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
233.76-78	Unit 4	Level 18	85	90	3	terracotta (clay material)	container (receptacle)	These are terra cotta rims sherds that mend together.
233.79-115	Unit 4	Level 18	85	90	37	bone (material)	remains (object genre)	These are bone fragments.
233.116	Unit 4	Level 18	85	90	1	lead (metal)	fragment (object portion)	This is a burned leather fragment.
233.117	Unit 4	Level 18	85	90	1	mortar (filler)	sample	This is a mortar sample.
236.01	Unit 4	Level 19	90	95	1	pewter (tin alloy)	teapot	This is a pewter teapot for a doll.
236.02	Unit 4	Level 19	90	95	1	low carbon steel	cut nail	This is a 3" cut nail.
236.03	Unit 4	Level 19	90	95	1	low carbon steel	cut nail	This is a 2.5" cut nail.
236.04-06	Unit 4	Level 19	90	95	3	low carbon steel	cut nail	These are 2" cut nails.
236.07-08	Unit 4	Level 19	90	95	2	low carbon steel	cut nail	These are 1.75" cut nails.
236.09-12	Unit 4	Level 19	90	95	4	low carbon steel	cut nail	These are 1.5" cut nails.
236.13-17	Unit 4	Level 19	90	95	5	low carbon steel	cut nail	These are 1.25" cut nails.
236.18-19	Unit 4	Level 19	90	95	2	low carbon steel	cut nail	These are cut nail head and shank fragments.
236.20-30	Unit 4	Level 19	90	95	11	low carbon steel	cut nail	These are cut nail shanks.
236.31	Unit 4	Level 19	90	95	1	brass (alloy)	buckle (strap accessory)	This is a brass buckle fragment (ca.1855) - probably to suspenders - Hartshorn Buckle. used through early 1870s. See Bennett 2012: 2-3
236.32	Unit 4	Level 19	90	95	1	wrought iron (iron alloy)	handle (component)	This is a wrought iron handle fragment.
236.33-34	Unit 4	Level 19	90	95	2	low carbon steel	wire	These are 9 gauge wire fragments.
236.35	Unit 4	Level 19	90	95	1	low carbon steel	strap (fastener)	This is a metal strap fragment with a hole punched in it.
236.36-40	Unit 4	Level 19	90	95	5	low carbon steel	strap (fastener)	These are metal strap fragments.
236.41-50	Unit 4	Level 19	90	95	10	low carbon steel	can (container)	These are can fragments.
236.51-54	Unit 4	Level 19	90	95	4	glass (material)	container (receptacle)	These are light blue container glass body sherds that are partially melted.
236.55-56	Unit 4	Level 19	90	95	2	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
236.57	Unit 4	Level 19	90	95	1	clay	marble (game piece)	This is a clay marble.
236.58	Unit 4	Level 19	90	95	1	ceramic (material)	whiteware	Partial mark for "Ironstone, John Alcock, Cobridge, China" circa 1850-1861. Kowalsky and Kowalsky 1999:90
236.59	Unit 4	Level 19	90	95	1	ceramic (material)	whiteware	This is a blue and white whiteware rim sherd with a molded feather-edge design.
236.60-63	Unit 4	Level 19	90	95	4	ceramic (material)	whiteware	These are whiteware rim sherds.
236.64	Unit 4	Level 19	90	95	1	ceramic (material)	whiteware	This is a whiteware body sherd.
236.65	Unit 4	Level 19	90	95	1	brick (clay material)	brick (visual works)	This is a red brick fragment.
236.66	Unit 4	Level 19	90	95	1	charcoal (material)	sample	This is a charcoal sample.
236.67	Unit 4	Level 19	90	95	1	gray slate	fragment (object portion)	This is a gray slate fragment - possibly used for roofing.
236.68	Unit 4	Level 19	90	95	1	bone (material)	brush (implement)	This is a bone head fragment to a toothbrush. The other half (the handle) is in level 26.
236.69	Unit 4	Level 19	90	95	1	tooth (material)	remains (object genre)	This is a mammal tooth.
236.70-85	Unit 4	Level 19	90	95	16	bone (material)	remains (object genre)	These are bone fragments.
236.86	Unit 4	Level 19	90	95	1	clinker	sample	This is a clinker sample.
236.87	Unit 4	Level 19	90	95	1	chert	tertiary flake	This is a Prairie du Chien Chert tertiary flake (Shakopee Formation; Willow River member).
239.01-02	Unit 4	Level 20	95	100	2	low carbon steel	cut nail	These are cut nail head and shank fragments.
239.03-05	Unit 4	Level 20	95	100	3	low carbon steel	cut nail	These are cut nail shanks, one of which appears to be burned.
239.06-07	Unit 4	Level 20	95	100	2	low carbon steel	can (container)	These are metal can fragments.
239.08	Unit 4	Level 20	95	100	1	glass (material)	container (receptacle)	This is a light blue container glass body sherd.
239.09	Unit 4	Level 20	95	100	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
239.10-11	Unit 4	Level 20	95	100	2	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
239.12	Unit 4	Level 20	95	100	1	ceramic (material)	whiteware	This is a blue and white whiteware rim sherd with a molded feather-edge design.
239.13-18	Unit 4	Level 20	95	100	6	bone (material)	remains (object genre)	These are bone fragments.
241.01-02	Unit 4	Level 21	100	105	2	low carbon steel	cut nail	These are 3.25" cut nails.
241.03-05	Unit 4	Level 20	95	100	3	low carbon steel	cut nail	These are 2" cut nails.
241.06-07	Unit 4	Level 21	100	105	2	low carbon steel	cut nail	These are 1.75" cut nails.
241.08-09	Unit 4	Level 21	100	105	2	low carbon steel	cut nail	These are 1.25" cut nails.
241.10	Unit 4	Level 21	100	105	1	low carbon steel	cut nail	This is a cut nail head and shank fragment.
241.11-13	Unit 4	Level 21	100	105	3	low carbon steel	cut nail	These are cut nail shanks.
241.14-19	Unit 4	Level 21	100	105	6	glass (material)	pane (architectural element)	These are thick, flat glass sherds.
241.20-22	Unit 4	Level 21	100	105	3	glass (material)	pane (architectural element)	These are thin, flat glass sherds.
241.23-24	Unit 4	Level 21	100	105	2	bone (material)	remains (object genre)	These are both fragments.

Catalog #	Horzontal Prov.	Vertical#	From CM	To CM	Count	Materials1	Object Name	Description
241.25	Unit 4	Level 21	100	105	1	charcoal (material)	sample	This is a charcoal sample.
242.01	Unit 4	Level 22	105	110	1	glass (material)	pane (architectural element)	This is a thick, flat glass sherd.
242.02	Unit 4	Level 22	105	110	1	glass (material)	pane (architectural element)	This is a thin, flat glass sherd.
246.01	Unit 4	Level 22	105	110	1	soil	sample	This is a matrix sample.
247.01	Unit 4	Level 24	115	120	1	soil	sample	This is a matrix sample.
250.01-04	Unit 4	Level 26	125	130	4	iron (metal)	fragment (object portion)	These are unidentified iron fragments.
250.05	Unit 4	Level 26	100	105	1	clinker	sample	This is a clinker sample.
250.06	Unit 4	Level 26	100	105	1	bone (material)	brush (implement)	This is a bone toothbrush handle fragment. The other half (the head) is in level 19.
250.07-12	Unit 4	Level 26	100	105	6	bone (material)	remains (object genre)	These are bone fragments.
234.01	Unit 4	South W	50	90	1	low carbon steel	cut nail	This is a 3" cut nail.
234.02	Unit 4	South W	50	90	1	low carbon steel	cut nail	This is a 1.25" cut nail.
234.03	Unit 4	South W	50	90	1	anthracite	sample	This is an anthracite/coal sample.
234.04	Unit 4	South W	50	90	1	bone (material)	remains (object genre)	This is a bone fragment.

APPENDIX C:
UPDATED 21HE0527 SITE FORM

MINNESOTA ARCHAEOLOGICAL SITE FORM

OFFICE OF THE STATE ARCHAEOLOGIST
Fort Snelling History Center, St. Paul, MN 55111 (612) 725-2729

SITE #: **21-HE527**
(OSA assigns if New Site)

Site Name: **Father Hennepin Bluff Park**

Agency/Field #:

New Site Site Update

OSA License #: **21-087**

SHPO RC #:

Type of Fieldwork: Reconnaissance/Phase I
 Evaluation/Phase II
 Excavation/Phase III

Date(s) of This Fieldwork: **June 1 – 11 and 23, 2021**

NRHP Status: Listed Determined Eligible CEF(106) CNEF(106) Undetermined

LOCATIONAL INFORMATION

County: **Hennepin** City/Twp. Name: **Minneapolis** SHPO Sub-Region: **4s – Central Lakes Deciduous South**
(see map in instructions)

USGS 7.5' Quadrangle Map (name and year): **Minneapolis South Quadrangle, 2019**

Township: **29N** Range: **24W** Section: **23** ¼ Sections (at least 2): **NE, SE**
Township: Range: Section: ¼ Sections (at least 2):
Township: Range: Section: ¼ Sections (at least 2):

UTM Coordinates: *(less than 10 acres use center; over 10 acres define polygon around site; draw points on USGS)*

Zone: **15N** Datum: 1927 1983 Method: USGS Map GPS Other (GIS)
Point 1: Easting **480331.5** Northing **4980975**
Point 2: Easting **480112** Northing **4981101**
Point 3: Easting **480223** Northing **4980894**
Point 4: Easting **480271** Northing **4980924.5**
Point 5: Easting **480292** Northing **4980926**

SITE CHARACTERISTICS

Acreeage: **3.31** Site Dimensions: N-S **120** E-W **237** Maximum Cultural Depth (if known) _____

Site Description (*√all that apply, but only one check per line*):

single artifact lithic scatter artifact scatter
 burial mound (number of mounds _____) non-mound lone grave non-mound cemetery
 petroglyph pictograph petroform
 surface features (list below)
 other: _____

Surface Features (*√all that apply*): earthwork pit/depression foundation/ruin other: _____

Inferred Site Function (*√all that apply*): habitation mortuary farm industrial transportation
 Other (list): _____ unknown

Current Land Use (*list approximate % for all that apply*):

cultivated fallow commercial recreational industrial residential
 woodland grassland water-covered other: **City Park**

Surface Visibility (*list approximate % for all that apply*):

excellent good fair 100% poor/none

Degree of Disturbance (*list approximate % for all that apply or √ unassessed*):

minimal moderate 100% heavy completely destroyed unassessed

Current Threats to Site: (*√all that apply or √ none known*)

erosion development agricultural other: _____ none known

SITE #: 21- HE527 Site Name: Father Hennepin Bluff Park

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CULTURAL/TEMPORAL AFFILIATION

(list all that apply by level of certainty: 1 = confirmed; 2 = probable or √ "not determined"):

Period: [] not determined [] Contact (1650-1837)
[1] Precontact (9500 BC - 1650 AD) [1] Post-Contact (1837-1945)

Precontact Context: (list all that apply by level of certainty; if unable to discern specific context, √ here [X])

Paleoindian Tradition [] not determined [] Folsom [] Lanceolate Point/Plano
[] Clovis [] Eastern Fluted [] other: _____

Archaic Tradition [] not determined [] Prairie [] Riverine
[] Shield [] Lake-Forest [] other: _____

Woodland Tradition [] not determined [] Fox Lake [] Laurel
[] SE Mn Early [] C Mn Transitional [] Lake Benton
[] Brainerd [] Blackduck-Kathio [] Psinomani/Sandy Lake
[] Havana-Related [] SE Mn Late [] Rainy River Late
[] other: _____

Plains Village Tradition [] not determined [] Cambria [] Great Oasis [] Big Stone
[] other: _____

Mississippian Tradition [] not determined [] Silvernale [] other: _____

Oneota Tradition [] not determined [] Blue Earth [] Orr [] other: _____

Contact Context: (list all that apply by level of certainty; if unable to discern specific context, √ here [])

American Indian [] not determined [] Dakota [] Ojibwe [] other: _____

Euro-American [] not determined [] British [] other: _____
[] French [] Initial US

Post-Contact Context: (list all that apply by level of certainty; if unable to discern specific context, √ here [])

[] Indian Communities & Reservations (1837-1934) [] St. Croix Triangle Lumbering (1830s-1900s)
[] Early Agriculture & River Settlement (1840-1870) [] Railroads & Agricultural Development (1870-1940)
[] Northern MN Lumbering (1870-1930s) [] Iron Ore Industry (1880s-1945)
[] Tourism & Recreation (1870-1945) [1] Urban Centers (1870-1940)

Approximate Post-Contact Occupation/Site Formation Date(s): ca. 1860s

Context Assignment/Dating Methods (√ all that apply):

[X] artifact type/style [] feature type [] radiometric [] relative stratigraphy [] geomorphology
[] historic accounts (list) _____

[X] historic maps (list) 1861 C&F Cook Map, 1867 Rutger's Bird-Eye Map, 1879 J.J. Stoner Bird's Eye, 1885 Sanborn Map, 1885 Herancourt Bird's Eye View 1912 Sanborn, 1952 Sanborn

[] other(s) (specify): _____

(For radiometric dates, attach photocopies of laboratory sheets if available.)

MATERIALS PRESENT (√ all that apply):

Basic Artifact Categories

Ceramics [] Aboriginal [X] Euro-American
Lithics [] projectile points [] other chipped stone tools [X] debitage [] ground/pecked stone [] FCR [] aboriginal copper
Biological Remains [X] animal [] human [] unidentified bone [] seeds/nuts [] charcoal [] wood
Historic Materials [X] glass [X] metal [X] brick [X] other: Architectural

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Major Exotic Materials (*√all that apply*):

- catlinite
- Knife River Flint
- native copper
- obsidian
- Hixton orthoquartzite
- other: _____

Diagnostic Artifacts:

- Ceramics: Prehistoric Types/Wares/Temper _____
 Historic **Ironstone China with maker's mark (made by English ceramics company John Alcock 1850-1861)**
- Prehistoric Lithics: _____
- Glass: **embossed bottle glass (produced for William Massolt 1880-1895)**
- Metal: **zip-tab (ca. 1962-1965), first aluminum can style (ca. 1930s-1960s), sta-tabs (ca. 1975 onward), brass buckle (ca. 1855-1870s)**
- Other: **rubber mud flap (ca. 1952 onward), game piece (1948-1966)**

ENVIRONMENTAL DATA **Current Topographic Setting** (*√all that apply*):

- | | | |
|--|---|---|
| <u>Away from Water</u> | <u>Riverine</u> | <u>Lacustrine</u> |
| <input type="checkbox"/> general upland | <input type="checkbox"/> fan | <input type="checkbox"/> inlet/outlet |
| <input type="checkbox"/> terrace edge | <input checked="" type="checkbox"/> terrace/bluff top | <input type="checkbox"/> peninsula |
| <input type="checkbox"/> hilltop | <input type="checkbox"/> stream-stream junction | <input type="checkbox"/> island |
| <input type="checkbox"/> glacial beach ridge | <input type="checkbox"/> bluff-base | <input type="checkbox"/> isthmus |
| <input type="checkbox"/> rock outcrop | <input type="checkbox"/> cave/rockshelter | <input type="checkbox"/> general shoreline |
| <input type="checkbox"/> other: _____ | <input type="checkbox"/> floodplain | <input type="checkbox"/> bog/slough/lake bottom |
| | <input type="checkbox"/> other: _____ | <input type="checkbox"/> other: _____ |

Topographic Feature Name from USGS Map: Mississippi River

OWNERSHIP INFORMATION

Source and Date of Ownership Information (*e.g., plat map, county recorder's office, personal communication, etc.*):

Client

Ownership Type (*list approximate % for all that apply; if unknown √here* _____):

- Federal
- State
- Local (public)
- Tribal
- Private

Land Owner (*name and address if known*):

Minneapolis Parks and Recreation Board, 2117 W River Rd., Minneapolis, Minnesota 55411

CURRENT INVESTIGATION INFORMATION

Methods/Techniques Employed (*√all that apply*):

- informant report
- shovel testing
- geomorphological survey (*specify*): _____
- geophysical survey (*specify*): _____
- other: _____
- small diameter soil coring (≈ 1 " diameter)
- formal test units
- mechanical testing
- surface survey
- max. test depth _____

Informant Name and Address (if known):

Known Collectors/Collections: **None**

Artifact Repository (*name and accession numbers or repository agreement number*): **Minnesota Historical Society, Agreement Number 953, Accession Numbers 2021.84 and 2021.85**

Most Recent Survey Report – Title, Author, Date: **Phase II Archaeological Evaluation of Father Hennepin Bluff Park (21HE0527) Minneapolis, Hennepin County, Minnesota. For the Minneapolis Parks and Recreation Board by Jeremy Nienow of Nienow Cultural Consultants LLC, Laura Koski of Zooarchaeo Consulting, and Fred Sutherland of Sutherland Relics and Rust LLC (2021).**

Major Previous Bibliographic Reference(s) to Site:

Anfinson, Scott

- 1984** Archaeological Potentials on the West Side of the Central Minneapolis Waterfront. Minneapolis Archaeological Society, St. Paul.
- 1989** Archaeology of the Central Minneapolis Riverfront, Part 1: Historical Overview and Potentials. *The Minnesota Archaeologist* 48

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Major Reports cont.

Phase Ia Archaeological Literature Review, Father Hennepin Bluff Park, Minneapolis, Minnesota. Completed by Nienow Cultural Consultants for the Minneapolis Parks and Recreation Board. By Jeremy Nienow and Fred Sutherland (2019).

Phase I Archaeological Survey Father Hennepin Bluff Park, Minneapolis, Hennepin County, Minnesota. Completed by Nienow Cultural Consultants for the Minneapolis Parks and Recreation Board. Completed by Nienow Cultural Consultants for the Minneapolis Parks and Recreation Board. By Jeremy Nienow and Fred Sutherland (2019).

Principal Investigator (*name and affiliation*): **Dr. Jeremy Nienow, RPA of Nienow Cultural Consultants, LLC**

Form Completed By (*name and date*): **Laura Koski, MSc, RPA in July of 2021**

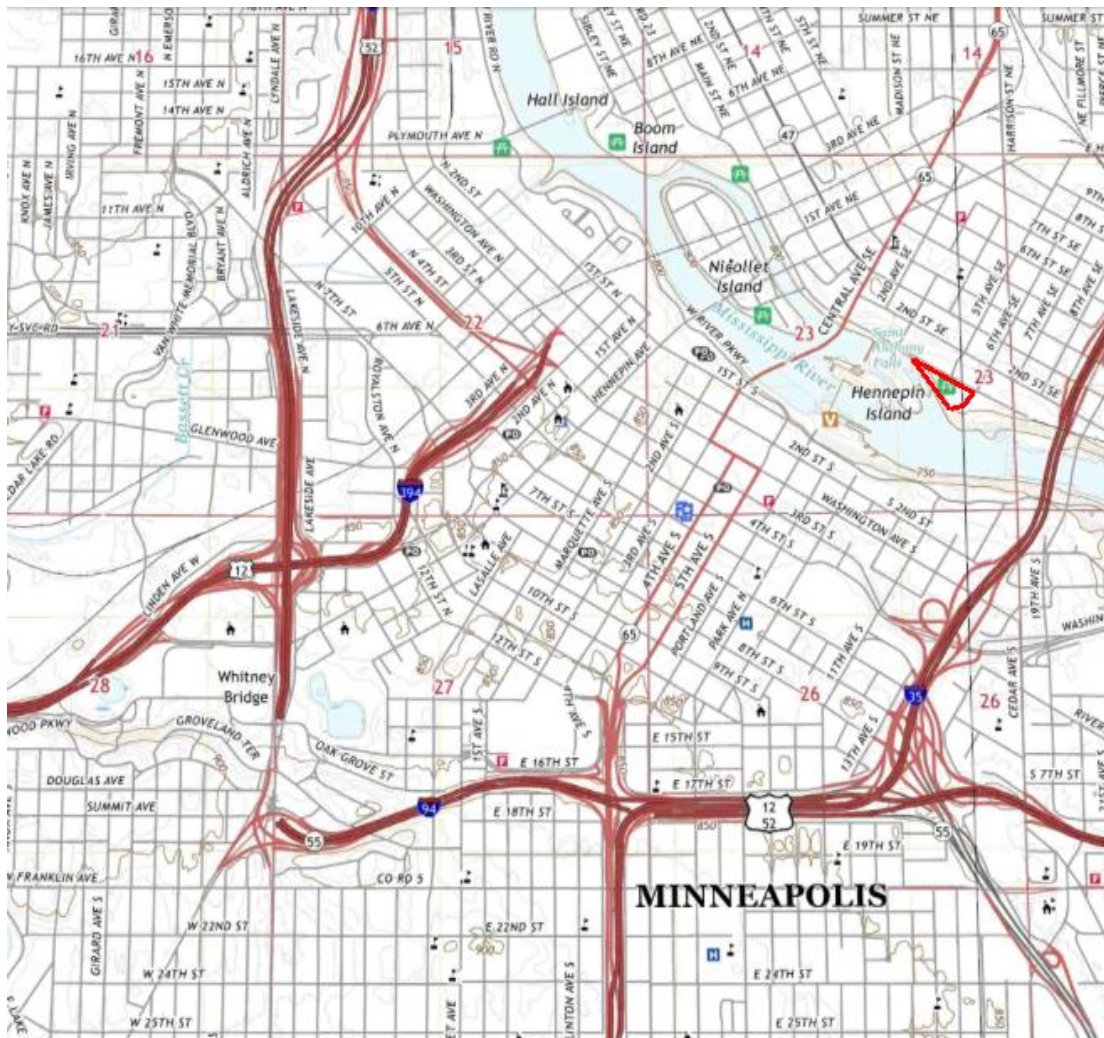
MAPS: Attach/include original scale copy of 7.5' USGS map with site location clearly outlined or designated.

Attach a sketch map if surface features present, if sub-surface testing done, or if complicated boundaries/setting. Sketch map must have re-locatable datum, scale, north arrow, and legend if symbols are used.

Map 1: USGS Topographic Map of Site Location.

Map 2: Overlay of Shovel Test and Unit Locations, Historic Structures (as Shown on Historic Mapping and Aerial Imagery), and Proposed Park Development.

Map 3: Close-Ups of Unit Locations.



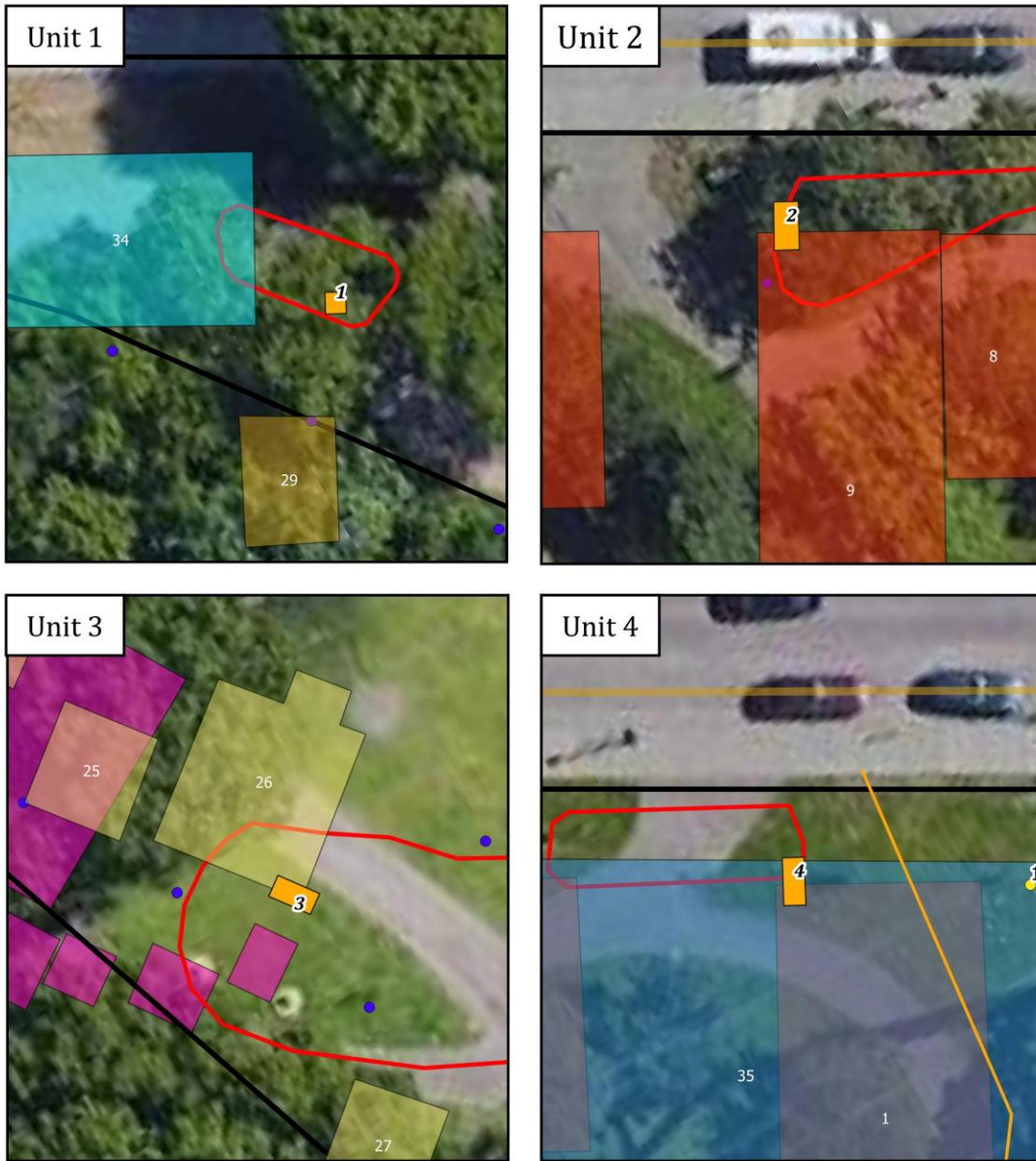
Map 1: USGS Topographic Map of Site Location (outlined in red).
(USGS 7.5' Topographic Minneapolis South Quadrangle, 2019, 1:24,000)

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Site Name: Father Hennepin Bluff Park

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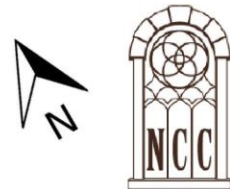
Close-Ups of NCC 2021 Test Unit Locations
 Father Hennepin Bluff Park, Minneapolis, Hennepin County, Minnesota



5 0 5 10 15 20 25 ft
 1 0 1 2 3 4 5 m

Non-Extant Railroad Spurs ca. 1860-1950s	Project Area
Non-Extants Construction Decade	Proposed Subsurface Infiltration Areas
1850s	2021 Test Units
1860s	2019 Shovel Tests
1900s	
1910s	

Cartographer: Laura Koski of Zooarchaeo Consulting for Nienow Cultural Consultants, LLC; Date: June 16, 2021; Source: Basemap provided by 2016 Google Satellite Imagery; STP locations mapped using GPS and field maps; Projection: NAD83 UTM Zone 15N



Map 3: Close-Ups of Unit Locations.

SITE #: 21- HE527Site Name: **Father Hennepin Bluff Park**

Agency/Field #:

ADDITIONAL INFORMATION (*Reason for Update or Survey, Location, Site Characteristics, Materials Present, Setting, Archaeological Methods, etc.; attach extra sheets as needed.*)

The Minneapolis Park & Recreation Board (MPRB) plans to make improvements and modifications to Father Hennepin Bluff Park located along Main Street SE in Minneapolis, Minnesota. Park improvements include ornamental tree plantings, landscaped surface connected by concrete and asphalt paved walkways, a performance stage, landscape furniture, and the installation of new utilities.

Nienow Cultural Consultants LLC (NCC) previously completed a Phase Ia Archaeological Literature Review (Nienow and Sutherland 2019a) followed by a Phase Ib Archaeological Survey (Nienow and Sutherland 2019b) in the fall of 2019. The archaeological literature review revealed the potential for a myriad of subsurface historical cultural resources within the park dating as far back as the 1850s, and the 38 shovel tests completed during the archaeological survey identified large amounts of modern debris overlaying natural soils in some locations along with potentially intact soils and archaeological features in others. A single prehistoric flake was identified during shovel testing, and the park was reported as site 21HE0527. While the park's complex history of modern demolition, dumping, utility installation, and development have negatively impacted its potential eligibility to the National Register of Historic Places, NCC recommended additional targeted archaeology completed in places where future ground disturbance may take place.

After the above-mentioned work, MPRB completed an additional design process and is now proposing several additional ground disturbing activities. These include the placement of previously untested utility corridors, connections for new utility tie ins, underground infiltration areas, and a new park shelter. The new underground infiltration areas and newly proposed utility corridors could potentially disrupt possibly intact archaeological features. To both test these areas and determine the overall integrity of archaeological deposits within the project area, NCC was contracted to complete a Phase II Archaeological Evaluation. NCC's Principal Investigator for this project was Jeremy Nienow, PhD., RPA. This is the work requiring this site update. Fieldwork was completed between June 1 and 11, 2021 and included unit excavation and additional shovel testing. Eleven shovel tests were completed along the additional utility corridors, and an additional three as follow-up tests along Main Street. Four test units (one 1x1m and three 1x2m) were completed at the proposed underground infiltration areas. Shovel tests were typically 35-40 centimeters (cm) wide and at least 50cm deep. Test units were 1x1m or 1x2m and excavated to at least 95cmbs. All soils were screened through ¼" mesh screen, detailed profile notes completed, photographs taken, and GPS points collected for each shovel test and unit.

Fill soils were encountered in all units, and only Unit 4 encountered an intact historical feature and intact A Horizon soils with a historical deposit dating to the mid-19th Century structures that once stood within the project area along Main Street. A Horizon soils were not encountered in the remaining units, which instead contained various fill episodes throughout until reaching B Horizon soils between 60 and 65 cmbs in Unit 11, 65cmbs in Unit 2, and 170cmbs in Unit 3. The intact historical deposit in Unit 4 began at 83cmbs in line with a limestone sill encountered in the northern half of the unit.

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Artifacts recovered from the Unit 4 historical deposit generally reflected mid-19th Century activities and included architectural materials (window glass, concrete, non-descript metal, cut and wrought nails, wire, lead sprue, metal strap fragment, red brick, copper handle), kitchen materials (a bottle finish, an 1850-1861 whiteware vessel base fragment, light blue container glass, clear container glass), personal items (glass marble, clay marble, a post 1855 "Hartshorn" buckle, slate, toothbrush fragment), rubber, charcoal, and bone. Two pieces of Native American chipped stone debris were also recovered from this layer. The 10YR2/1 A Horizon began immediately under this deposit at approximately 105cmbs and continued to 145cmbs until transitioning to 10YR3/2 B Horizon Soils (this depth was reached using a soil probe). The only artifact located in the A Horizon was a sherd of window glass recovered from between 105 and 110cmbs. The remainder of the unit from 110cmbs down to 135cmbs was sterile for cultural materials.

Overall, Unit 4 is the best representation of the site's overall use history starting with mid-19th Century construction and demolition events, followed by 20th Century dumping, culminating with late 20th Century fill and grading to make the park. A portion of a 19th Century building foundation protected a demolition fill layer of 19th Century only artifacts, under which are original A Horizon soils. The only two Native American materials found during unit excavation were also found in the 19th Century exclusive layer, demonstrating a likely Native American presence in the area just prior to, and during, Euro-American contact.

Three shovel tests (9 through 11) were excavated along Main Street northwest of Unit 4 in line with where the mid-19th Century buildings once stood. These shovel tests were completed in an attempt to identify if the A Horizon soils continued in this area previously untested during the Phase Ib. Intact A Horizon soils were identified in Shovel Test 9 starting at 100cmbs and transitioned to B Horizon at 125cmbs. The layer included 19th Century artifacts including cut nails, embossed container glass, and a high frequency of window glass. Shovel Test 10 contained fill soils down to 10YR3/2 B Horizon Soils, indicating the A Horizon soils had been removed in this area. Shovel Test 11 contained fill soils down to a limestone wall foundation encountered at 80cmbs. A likely builder's trench was also noted along the northeastern edge of the wall after the shovel test was extended. This ended shovel test excavation. Shovel Test 1 also contained an intact 10YR2/1 Loam A Horizon starting at 80cmbs, but the remainder of Shovel Tests 2 through 8 contained fill soils throughout until encountering B Horizon Soils. The results of Shovel Tests 1 (southeast of Unit 4), 9 and 11 confirm the presence of scattered structural features related to the mid-19th Century Spooner's Row structures along with the presence of original A Horizon soils found in isolated pockets across the park. Currently, no ground disturbing activities are planned in the locations of Shovel Tests 9 and 11.