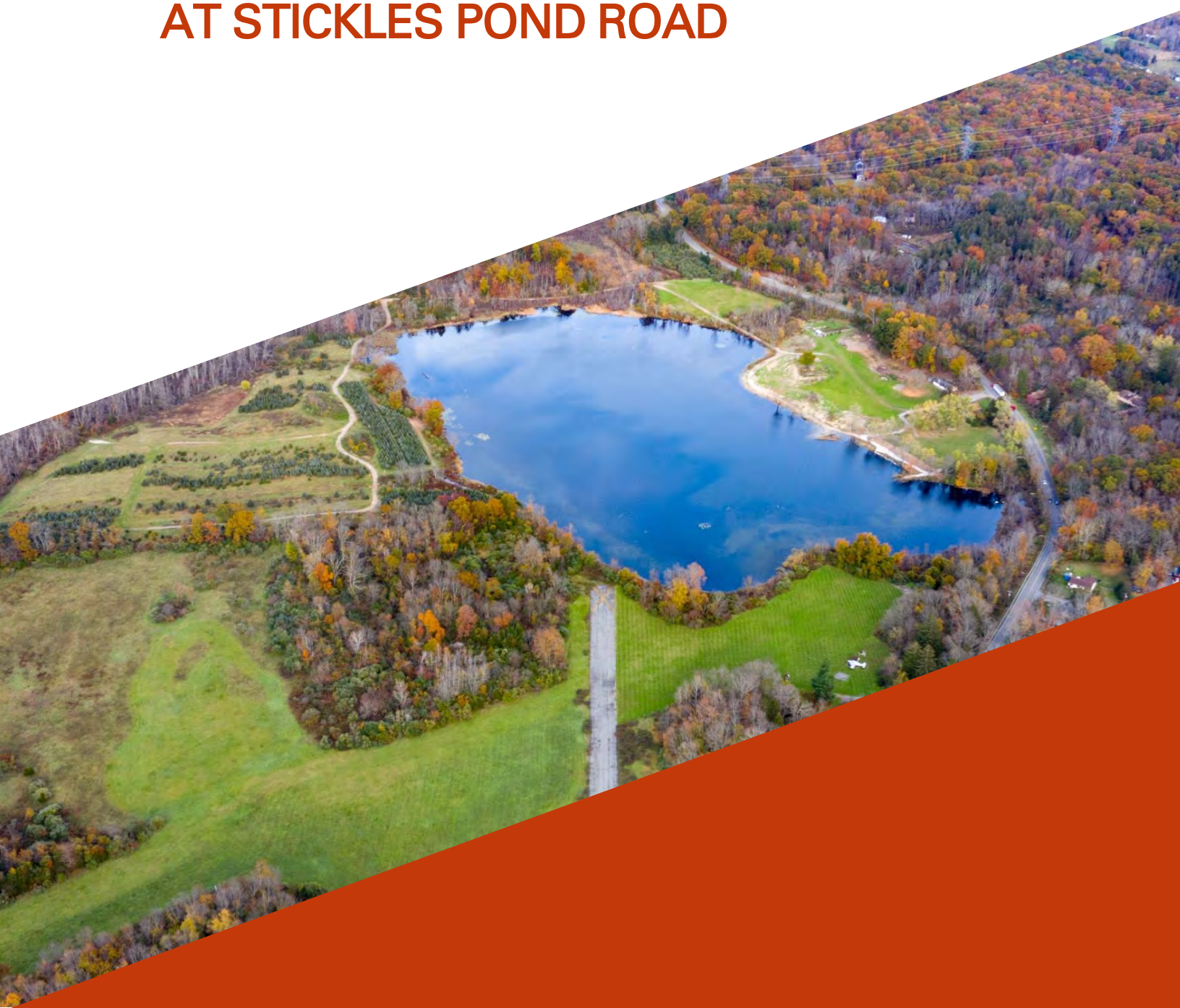
PALEOWEST

PHASE IA & IB INVESTIGATION OF THE PROPOSED BHT ANDOVER DEVELOPMENT AT STICKLES POND ROAD



PHASE IA & IB INVESTIGATION OF THE PROPOSED BHT DEVELOPMENT AT STICKLES POND ROAD SUSSEX COUNTY, NEW JERSEY

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Technical Report No. 21-616

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MANAGEMENT SUMMARY

Project Type: Phase IA & IB

Location Information:

Location: Andover Township, New Jersey
County: Sussex

Survey Area:

Project Area: 97 acres

Area of Potential Effect: 52 acres

USGS 7.5 Minute Quadrangle Map:

Newton West, New Jersey (1974)

Review Authority: The Phase IA and IB surveys conform to the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation, 1983 and the New Jersey Historic Preservation Office Requirements for Phase I Archaeological Survey at N.J.A.C. 7:4-8.4. This report conforms to the Requirements for Archaeological Survey Reports – Standards for Report Sufficiency at N.J.A.C. 7:4-8.5.

Field Methods:

Number & Interval of Shovel Tests: 832 pre-plotted STPs at 15 m intervals, 49 delineation tests at 7.5 m intervals (881 total). Resulting in 779 negative STPs, 19 positive STPs, and 83 locations not excavated due to slope or wetland.

Test Units: 7 1x1 m units

Surface Survey Transect Interval: 3 m

Results of Archaeological Survey:

Sites Identified: Four historic scatter sites; Field Sites A, B, C, and D.

Evaluations and Recommendations:

Field Sites A, B, and C recommended potentially ineligible.

Field Site D recommended for further Phase II investigation to determine eligibility.

Seven surveyed buildings recommended ineligible.

Report on File:

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INTRODUCTION

Chrysalis Archaeological Consultants, Inc., (Chrysalis) was retained by BHT Properties Group (BHT) to conduct a Phase IA Documentary Study and Archaeological Assessment for the BHT Development at 248 Stickles Pond Road, Andover Township, Sussex County, New Jersey (Map 1). The 97-acre project area is located at the former Newton Airport, a defunct two-runway airport that operated ca. 1961-2013; the land is now owned by the Public Service Electric and Gas Company (PSE&G). PaleoWest Archaeology (PaleoWest) was contracted by Chrysalis to conduct a IB archeological investigation and prepare a combined Phase IA and IB report based on the findings. This study assesses if the project area potentially contains significant cultural resources that would be compromised by the proposed project as well as providing a recommendation for further study should the potential for cultural resources exist.

The Area of Potential Effect (APE) for the Phase IA and IB investigation consisted of proposed areas of ground disturbance within the 97-acre project area, for a total area of 55.9 acres (22.6 ha) (Figure 1–Figure 2). The proposed project intends to redevelop the former Newton Airport into a construction equipment and material storage facility. The project plans include construction of four aggregate material storage areas, two construction equipment storage areas, an 80’ by 160’ (24 m by 48 m) construction business office with a small paved parking area, cutting multiple areas to modify the project area topography, and covering parts of the planned storage areas with asphalt milling (Figure 3). Development plans propose to demolish a farmhouse residence and six support buildings located in the eastern APE along Stickles Pond Road. PaleoWest conducted Phase IB subsurface archaeological testing throughout the APE. PaleoWest conducted an intensive level survey of the seven farmstead buildings.

As part of this study, resources from the following research institutions were utilized: The New Jersey State Museum (NJSM), the New Jersey State Historic Preservation Office (NJ HPO), the holdings of the Library of Congress, the U.S. Geological Service, as well as various historic newspapers, census records and secondary sources. All work was conducted in accordance with the standards and guidelines of the NJ HPO and N.J.A.C 7:22-10.8. Elissa Rutigliano and Alyssa Loorya authored this report on behalf of Chrysalis and Helen Juergens, Shannon Bruffett, and Althea Wunderler-Selby authored this report on behalf of PaleoWest.

Figure 1. Project Area over topography.

Figure 2. Project Area over aerial imagery.

Figure 3. Site plans.

BACKGROUND RESEARCH

ENVIRONMENTAL SETTING

The overall project area lies in a landscape covered by a mix of cleared and forested land with intermittent lower wetlands in the center, north, and east fed by non-perennial unnamed streams to the north, as well as rocky outcroppings at the northwest. The project area is situated in the Ridge and Valley Province of northwestern New Jersey, characterized by steep, linear ridges and broad valleys. The project is located within the Allentown Dolomite formation, featuring thick bedded dolomite of Lower Ordovician and Upper Cambrian age (Dalton 2003).

Stickle Pond is located along the eastern edge of the project area. This pond serves as the headwaters of the Pequest River, which flows to the southwest along the northern edge of the project area (Figure 4). The Pequest River, a tributary of the Delaware River, follows its course for 35.7 miles before it meets with the Delaware River at the Town of Belvidere in Warren County (National Hydrography Dataset 2021).

Two soil types are mapped within the project APE (Figure 5). The central area around the runway and the northeastern half of the APE are mapped as Hazen-Paulins Kill complex, 0 to 3% slopes, very stony material (HdxpAb) (NRCS 2021). Hazen and Paulins Kill complexes are both well drained soils found on outwash deltas, typically found with Ap horizons above 30 cm and B horizons to 46–60 cm below surface (cmbs). The northwest portion of the APE and a small segment at the extreme east of the APE is mapped as Farmington-Rock outcrop complex, 0 to 15% slopes (FaxC). Farmington complex soils are loamy tills derived from limestone and dolomite, typically featuring Ap horizons to 20 cm and B horizons to 47 cmbs (NRCS 2021).

These soil types indicate potential for the recovery of precontact and historic material from a historically modified Ap plow zone and deeper B horizons to approximately 46–60 cmbs.

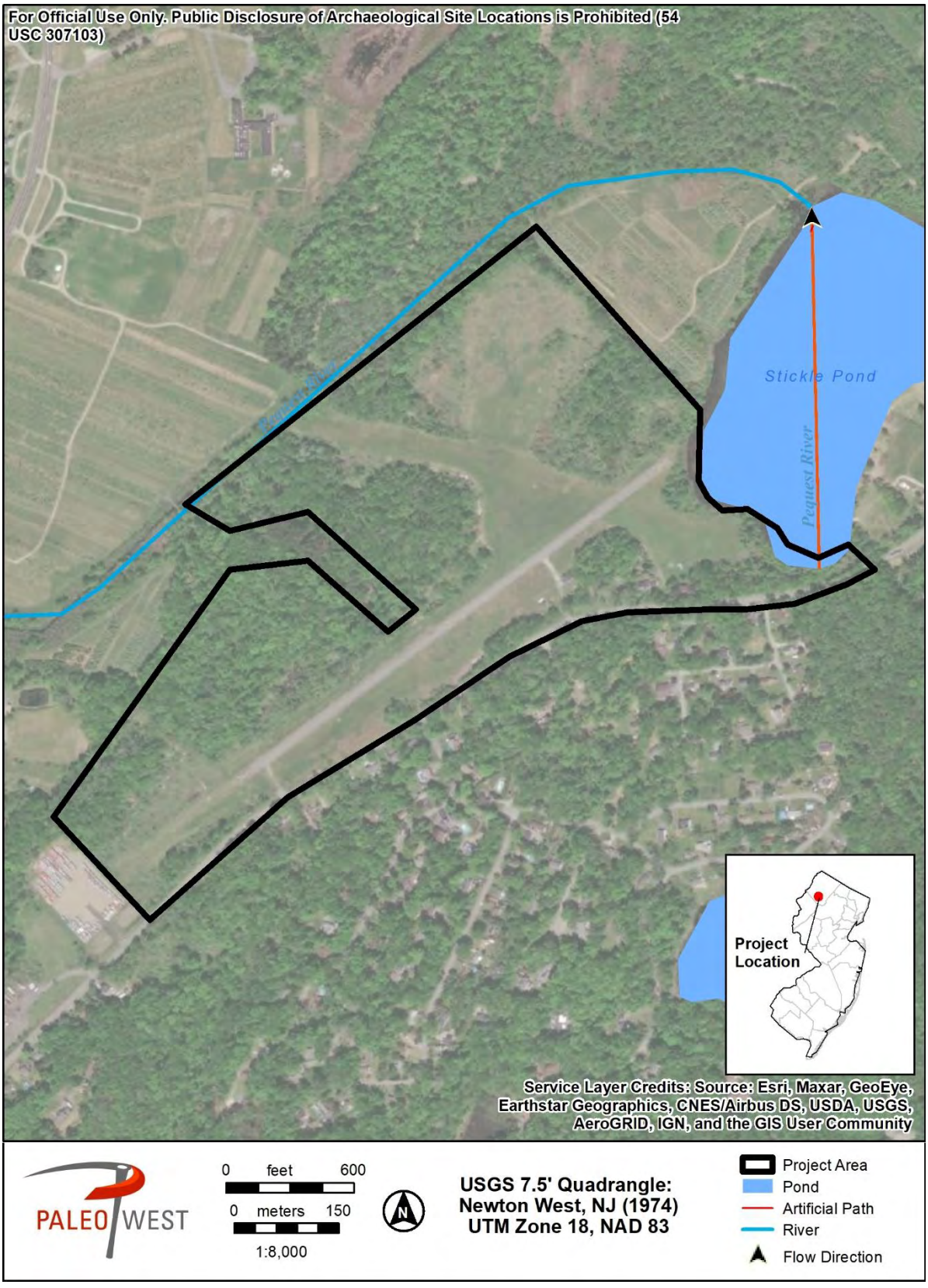


Figure 4. Hydrology of the project area.

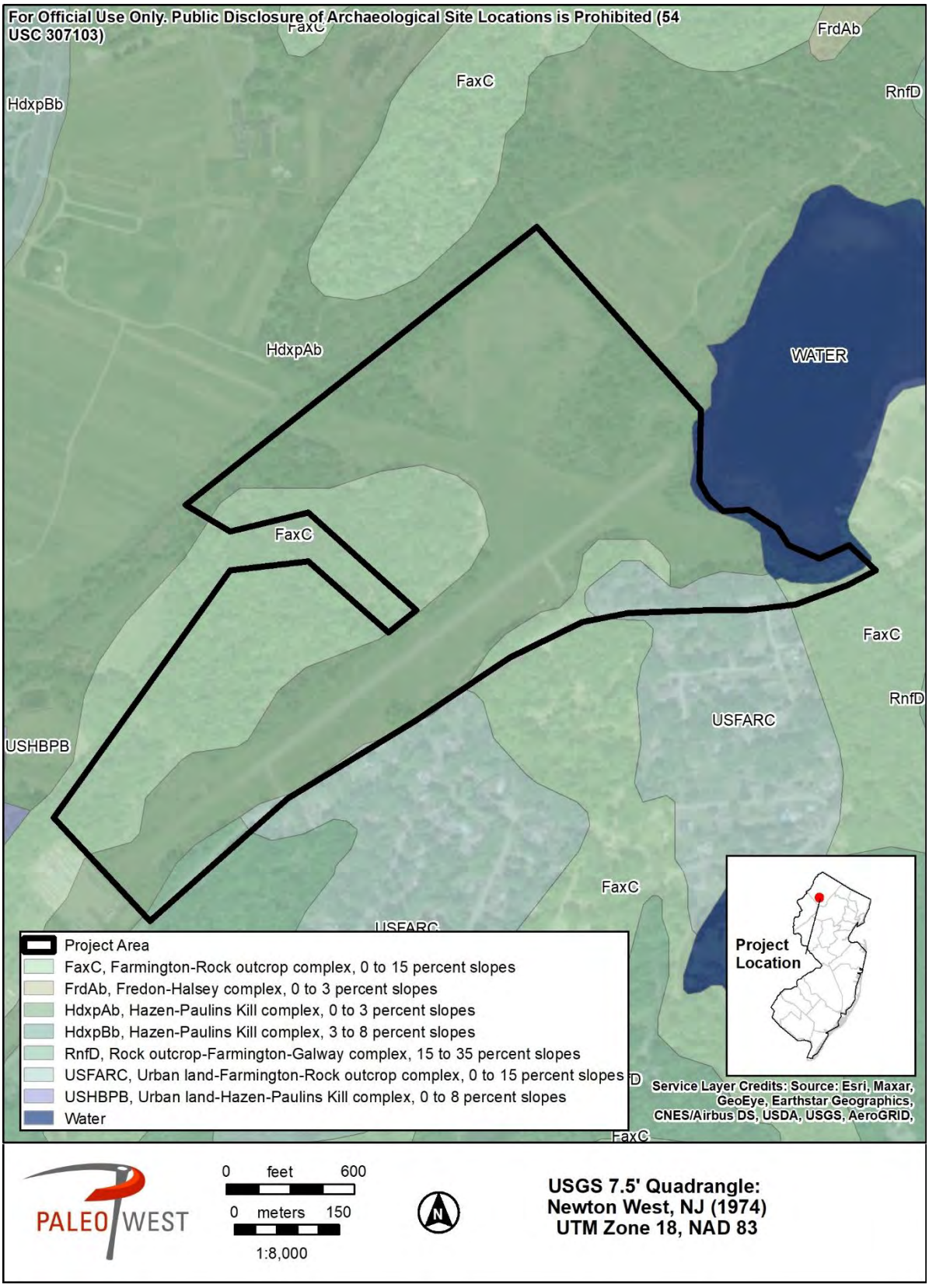


Figure 5. Soil typology of the project area.

PRECONTACT CULTURE

The precontact era begins with the first human occupation of North America and terminates at indigenous contact with European settlers. There is evidence of aboriginal presence in the northeastern United States since approximately 15,000 B.P. following the Laurentide Ice Sheet retreat, which covered the area during the Late Wisconsin Glaciation (Kraft 1986).

A chronological framework for pre-Columbian North America has been constructed from the archaeological record, which classifies stages of cultural similarity, bookended by significant shifts in tradition, as a distinct cultural period. The sequence of prehistoric occupation in North America is divided into three significant cultural periods: Paleoindian (circa 13,000 – 8,000 B.P.), Archaic (circa 8,000 – 3,000 B.P.), and Woodland (circa 3,000 B.P. – A.D. 1670).

Paleoindian (~13,000 – 10,000 B.P.)

The first people in North America were nomadic tribes that crossed the Bering Strait from Russia to Alaska when the climate was cooler and sea levels were much lower than in the present. The climate remained cool during the Paleo period as it immediately followed the last ice age. Occupying what was still largely tundra, Paleo people gradually spread out on the continent, following prey and subsisting on whatever seasonal terrestrial or marine life was available as subsistence resources were scattered across the landscape. Early inhabitants supplemented their diet via foraging from surrounding plants.

The earliest Paleo inhabitants in New Jersey were presumably small bands of organized and highly mobile hunter-gatherers. They did not establish permanent settlements but moved seasonally according to resource availability. Because of the need for mobility, these early inhabitants maximized efficiency by producing practical and portable objects for their use. As a result, Paleo-Indian tools, objects, and other material culture were not overly complicated or extensive (which in turn lends to the ephemeral nature of Paleo sites in the archaeological record).

Paleo-Indian sites tend to reflect temporary occupation camps at elevated locations, offering optimal vantage opportunity for hunting, or alongside streams and rivers (Fagan 2005). Elevated locations were well drained and favorably situated to identify and observe the movements of game (Ritchie & Funk 1971). Their subsistence economy would have been comprised of Pleistocene megafauna, small game, nuts, berries, and vegetal foods (Fletcher and Kintz 1979:12). Rivers, lakes, salt marshes, and other coastal environments were utilized for the abundant fish, shellfish, fowl, plant life, and other aquatic resources that could be easily procured there (Fagan 2005). Lithic assemblages associated with Paleo-Indian are Eastern Clovis Tradition, characterized by flaked tools and fluted lanceolate projectile points. Lithic processing sites are often found alongside streams and rivers where food was procured (Marshall 1982; Fagan 2005).

Early Archaic (10,000–8000 B.P.)

Environmental transformations and rising sea levels marked the close of the Paleo-Indian period and the onset of the Early Archaic period. Settlement patterns remained semi-mobile as the available resources shifted throughout the year, but there was a trend towards increasingly more extended amounts of time spent in one location as water sources stabilized. Groups established base camps and moved periodically throughout a more limited territory as resources became available (McManamon et al., 2009). The disappearance of megafauna and migration

of large game northwards led to a focus on plants and smaller animals – such as elk, deer, bear, turtles, and fish. The Early Archaic toolkit featured lithic assemblages comprised of hammer and anvil stones, notched pebble net sinkers, and new variations of stemmed and corner-notched projectile points (Kraft and Mounier 1982).

Middle Archaic (8000–6000 B.P.)

Environmental changes further transformed the landscape, creating intertidal flats, coastal lagoons and marshes, swamps, lakes, and estuaries. Main population concentrations began to center around river valleys that offered a wealth of diverse plant and animal resources, such as turkey, migratory waterfowl, and fish (Fagan 2005). The exploitation of wetland resources reflects the onset of the Middle Archaic period (Kraft & Mounier 1982). New Jersey Middle Archaic occupation continued to evolve from that of a hunter-gatherer economy, with "specialized adaptations" of individuals to their environment (Fletcher & Kintz 1979:12). "Settlement patterns of these hunter-gatherer-fishermen reflect the utilization of the varied resources from shore to the forest" during the Middle Archaic period (Fletcher & Kintz 1979:12). Eventually, this acclimation to specific environments led to the diversity of regional specializations and cultural adaptations (Kraft & Mounier 1982, Kraft 1986). Archaeological evidence for diversity in cultural adaptations is present in more diverse and complex tool kits than Paleo-Indian technology. Specialized fishing equipment and implements for food production – such as grinding stones, mortars, and pestles – appeared (Kraft & Mounier 1982). Tools were more refined and displayed more variety. Woodworking skills and new implements, like ground stone axes, celts, and gouges, appeared. Areas of occupation within Long Island and New Jersey have also offered evidence of bone and copper use in tool production (Kraft & Mounier 1982).

Late Archaic (6000–3000 B.P.)

Larger prehistoric populations characterized the Late Archaic period with markedly more complex settlement activity forms and trade relations. Late Archaic groups fully utilized all environment niches in their upland and lowland settings. Specialized sites for resource procurement were established – hunting and butchering camps, fishing posts, and wild food collection stations – and they were occupied on a recurring seasonal basis (Fletcher & Kintz 1979:12-13). The purpose and function of lithic tools adapted to fit the new dynamics of a growing population, and there was a marked increase during the Late Archaic in the manufacture of grinding stones, heavy food processing tools, milling equipment, adzes, and stone axes. The Late Archaic archaeological record further reflects a growing complexity in social development and structure – as the population became more sedentary, the foundations for trade and exchange networks emerged.

Woodland (3,000 B.P. – A.D. 1670)

The introduction of agriculture, the appearance of permanent settlements, the advancement of ceramic technology, and the prevalence of more elaborate and diverse tools typically characterize the prehistoric population's cultural evolution into the Woodland Period.

Large rivers remained central to indigenous territories, utilized for their rich resources and transportation and communication between scattered peoples. There is evidence that riverine environments could have supported semi-permanent occupations that utilized the coastal resources. However, these sites represent base camps of small, dispersed groups rather than fully articulated agricultural sites (Kraft 1986). The small groups possibly consisted of a few hundred people, with this number being a seasonal aggregate rather than a constant

population. Many adaptive strategies developed during the Archaic period in the northeastern woodlands continued into the Woodland period. Woodland groups that inhabited the area would have followed the same general settlement and subsistence patterns as the archaic groups before them but made intricately decorated ceramic vessels (Kraft & Mounier 1982, Kraft 1986). Cord-marked ceramic vessels and collared ceramic vessels appeared during this period (Abell-Horn 2020b:5). The introduction of clay pottery in Woodland allowed for cooking and food storage. Sites evolved through the Woodland period to include various storage and pit features – used for cooking or as refuse receptacles – and specialized work areas (Kraft & Mounier 1982).

The advent of horticultural activities and the domestication of plants and animals is a critical factor in enabling groups to settle in one place and develop into more complex societies (Bolton 1922, Furman 1875). The Woodland populations of New Jersey centered their agricultural activities around the cultivation of maize, beans, and squash, and the production of plant and processing tools increased as harvesting became a more common activity (Fletcher & Kintz 1979:12, Abell-Horn 2020b:5). Subsistence activities also centered heavily on exploiting marine-based resources (Fletcher & Kintz 1979:12). "It is apparent that Woodland period inhabitants of the coastal regions relied heavily on abundant shellfish resources of the coastal bays. Shell midden sites are ubiquitous in coastal zones of the lower Hudson Valley" (Affleck et al., 2005:4.6).

Stone tools continued to evolve, and in New York and New Jersey, narrow points characterized much of the Woodland period toolkit (Fagan 2005). Projectile points were made of various locally sourced and non-local traded stone materials. The Meadowood-type projectile point dominated the early Woodland, followed by Jacks Reef, Fox Creek, and Rossville-type projectile points. Triangular projectile points of the Levanna and Madison types dominated the later Woodland era (Abell-Horn 2020b:5). Abbott Farm became a regional cultural site and pottery center by the middle of the Woodland period (Berger 1996).

The end of the Woodland period saw prehistoric societies developed to with regional specialized toolkits and inter-regional trade; these groups represent the first peoples that early European settlers would have encountered during their explorations to the area (Ritchie & Funk 1971).

Historic Contact

European exploration of the region around New Jersey and New York was first recorded in 1524, when Florentine explorer Giovanni da Verrazzano and a crew of fifty sailed the ship *La Dauphine* into New York harbor (Brevoort 1873:177; Ieradi 2001:10). Nearly one century later, Europeans began more concerted regional colonization. Henry Hudson, an English explorer, was commissioned by the Dutch East India Company to chart a new course for Asia via the Arctic Ocean. Hudson's ship, De Halve Maen, reached Coney Island in September of 1609. Hudson's brief visit to Brooklyn launched several consequent expeditions to the New World sponsored by the Dutch East India Company and its later iteration, the Dutch West India Company (Ieradi 2001:8–11). In 1622, the West India Company received its charter and established a clear title to New Netherland. New Amsterdam was established as the capital of New Netherland and became an official Dutch province in 1624.

Dutch colonists ventured into the greater New Netherland colony and began settling farms outside the city proper in the 1630s. Enterprising Dutch colonists migrated westward through the Mamakating Valley and to the banks of the Delaware River (Webb 1872:7). Their early explorations of the region resulted in the discovery of mines containing lead ore and copper. The success served as a catalyst to promptly settle the area. A one-hundred-mile road was soon after constructed out of the town of Esopus on the Hudson River to help facilitate

colonization, and the beginnings of a settlement arose in its wake. “Log cabins had been built here, orchards planted, mines worked, and the ore transported for one hundred miles over an excellent road, when the site (of Sussex County) was a wilderness” (Webb 1872:8).

In 1664, as a result of the Second Dutch-Anglo War, Dutch Director-General Peter Stuyvesant surrendered the New Netherland colony to English rule. At the time, the boundaries of the New Netherland colony encompassed the present-day states of New York and New Jersey and limited portions of Pennsylvania, Delaware, and Connecticut. In March of 1664, the English crown granted the newly acquired colony to his brother, the Duke of York. Three months later, on June 24, the Duke sold the lands between the Hudson and Delaware Rivers to Lord Berkeley and Sir George Carteret, which formed the Province of New Jersey.

Pre-Contact Background of the Project Area

Before Europeans arrived in North America, the Algonquin populated the land along the Atlantic, stretching as far west as the Mississippi River (Leng & Davis 1930:71). The Algonquin people comprised roughly thirty nations, each speaking a dialect of the same language and sharing similar customs. One such Algonquin nation was the *Leni-Lenape*, meaning "original people" (Leng & Davis 1930:71). The *Leni-Lenape* were divided into three bands – the Muncey, the Unami, and the Unalacthigo. The scope of their territory covered New Jersey, New York Harbor, and the Lower Hudson Valley, extending west into eastern Pennsylvania and east through Long Island (Skinner 1909:30).

In May 1913, archaeologist Max Schrabisch conducted a five-month survey in which he identified 234 Native American campsites, villages, and rock shelters across the present-day boundaries of Sussex County (Figure 7). The four principal settlements were located in Greenwich Township, in Belvidere, near Greensville, and near the village of Lafayette. Schrabisch contended that this number represented only half the Native American sites in the county, which featured intermittent hills and valleys with a variety of river and pond water resources that could be attractive to early inhabitants (Schrabisch 1915:16; Webb 1872:11).

The distribution of camp and village sites Schrabish identified revealed a settlement pattern centered around proximity to fresh water sources. Native American sites in Sussex County were found along the banks of large bodies of water and swamps, which provided the early inhabitants with fresh water and marine-based food sources like fish and waterfowl. Secondary requisites included well-elevated areas with good drainage, sandy soil, and/or offer protection from harsher climates and other elements. Native American camps in Sussex County have been found located on knolls, terraces, and well-drained slopes near sandy soil, which could be easily cultivated to raise maize crops (Schrabisch 1915:10).

Figure 6. Distribution of Native American sites within the present-day boundaries of Sussex County, identified by Max Schrabisch in 1915 (Schrabisch 1915).

Numerous prehistoric sites were identified by Schrabisch northwest the project area, most of which were centered near the Muckshaw Ponds (see Previous Research). Among the most significant discoveries was the site identified at Moody's Rock (Schrabisch 1915:15). Moody's Rock and its adjoining cave are located northwestern of the project area, near Big Muckshaw Pond. The rock is named for New Jersey legend and outlaw Bonnel Moody. Moody was a dedicated Loyalist during the Revolution. Moody Tories used this location as a hideout and shelter in between raids against Patriots. An adjoining cave or rock shelter is located on the western side of Muckshaw Swamp, two miles southwest of Newton, measuring approximately sixty-eight feet in length and twelve feet in width. Excavation in the only undisturbed portion of

the rock shelter yielded numerous prehistoric cultural remains. It was inferred the shelter was initially utilized by precontact hunting parties, and later as a semi-permanent encampment by a family or small bands of families.

Two excavations were undertaken within undisturbed portions of the rock shelter. The first excavation yielded plain and decorated Native American pottery at depths between 3 to 6 inches below the ground surface, and additional lithic tools and a triangular point at a depth of 7 inches below the ground surface. The second excavation yielded similar results. A variety of decorated potsherds in mixed Algonquin and Iroquoian patterns were discovered at depths between 4 to 10 inches below the ground surface. Layers of charcoal, representing vestiges of an ancient hearth, were overlying the rock bottom, which was encountered at 10 inches below the ground surface (New Jersey State Museum, Site Registration Program, NJSM Site No. 28-Sx-026). Schrabisch's investigations provide evidence for Late Archaic and Woodland period usage of the area northwest of the project area.

HISTORIC CULTURE

The APE is located in the Andover Township of New Jersey's Sussex County. The area that would later become Andover Township was first acquired from the colony's Council of Proprietors by William Penn in 1714. An English iron-works company from Sussex purchased the tract from Penn soon after, headed by the Allen and Taylor firm based in Philadelphia. The firm quickly realized the area's rich iron deposits and constructed smelting and forging facilities at the site shortly after acquiring the property known as the Andover Iron Works (Snell 1881:441).

Sussex County (Figure 7) was formed in 1753, bearing the name of the English town from which the iron works had originated. The firm expanded its operations by adding another furnace in 1761, as its workers formed the first permanent European inhabitants of the area. By using primarily stone, the furnace added to the many other improvements Allen and Taylor made to the property, including a grist mill, blacksmith shop, barn, tenement buildings, and a mansion that served as the superintendent's residence. Nearly all of the iron manufactured by the firm was shipped directly to England until the advent of the Revolutionary War. Shortly after the conflict began, America's Continental Congress seized the operation from the British loyalists to support the revolutionary cause through the manufacture of artillery and munitions (Snell 1881:441–442).

Figure 7. Detail from historic map showing the location of Sussex County in relation to Newark and other New Jersey towns, c. 1778 (Image courtesy Massachusetts Archives, Digital Commonwealth, American Antiquarian Society Collection).

The transition, however, did not take place immediately. After some pushback from the foundry's owners, Colonel Thomas Maybury of the Continental Army took possession of Andover Iron Works in 1777 and began the manufacture of pig iron and cannonballs for the American forces. The foundry and its many structures were not alone in Sussex's early landscape. The township's northeastern section was home to a large enclave of German immigrants known as "German Flats." Men such as John Sheeler, Jacob Mains, Peter Washer, Frederick Arvis, and others first arrived in the mid-eighteenth century to establish farms in the Andover area, many of which were maintained by their descendants for several generations (Snell 1881:443).

The Union Turnpike opened in 1807, connecting nearby Newton to Morristown. A hurricane struck the area in 1821, downing several trees and destroying crops such as buckwheat and corn throughout the state, yet Andover continued to its success largely due to the iron works and local farms (Roberts 2015:124). Sturdy log homes formed the majority of the Andover area's residential structures by the early-to-mid-1800s, which offered some security from the storm. Complementing these homes, a number of inns and taverns were reported to have been established at nearly every mile of the turnpike, offering stops for mail carriers, stagecoaches, travelers, and also musicians who offered entertainment along its route (Snell 1888:444–445).

One of the earliest homes within the vicinity of Stickle Pond was constructed by Sarah Hill along the western bank of what was then known as the Andover Log Pond (now Lake Aeroflex) after she purchased three lots from John Stickle and his wife Effey in April 1817. Made of stone from nearby quarries, the home was completed in 1825. Hill conveyed the property to William Drake in 1836, who died, leaving the property to a relative, Nathan Drake. Drake then sold the property

to the Puder family for $3,800 in 1851. The Puders established two successful creameries soon after and maintained ownership of the property until the death of Albert Puder, at which point the family sold its holdings to Frederick K. Hussey in 1906 (New Jersey State Park Service 2021a).

The area's first school, a small, single-story stone structure opened in 1824, but was replaced with another building in 1855. The original structure then became a private residence once the new two-story frame schoolhouse was completed. The Andover School District was also complemented by educational facilities in the nearby communities of Springdale, Clinton, Elisha, and German Flats, many of which were established in the early-nineteenth century as well. Churches also played a key role in the establishment of the Andover Township. A Baptist congregation constructed a house of worship in the Andover area in 1834, but after the group was financially unable to maintain the building, they sold it to Protestant Methodists in 1855. Their tenure was short-lived also, as an Episcopal congregation acquired the structure soon after and retained its ownership throughout the late-nineteenth century with nearly two-hundred members (Snell 1888:446–447).

Much of the township's early success can be attributed to the Sussex Railroad, which traversed directly through the area from north to south (Snell 1881:441). Directors of the Morris and Essex railroad first surveyed the area in 1836 in hopes of constructing a line between Morristown and Newton and although initially met with great enthusiasm, the effort stalled after nearly a decade due to a lack of financial resources. However, once the proprietors of the Trenton Iron Company reopened the abandoned Andover Mine with its rich mineral content in 1847, incorporation of the Sussex Mine Railroad followed in March 1848. Its sole purpose was the transportation of iron ore from Andover Mine to Waterloo, where it could then be transported via the Morris Canal to the Thomas Iron Furnaces in Allentown, Pennsylvania. It was constructed as a mule tramway in 1851 and later transported a five-ton specimen of iron ore that was recognized at the London Exposition for its exceptional scale (Wright 2021).

The Morris and Essex Railroad approached the Sussex Mine Railroad with a proposal in 1852 to connect with the company's line. The latter had conducted a survey in hopes of extending its line from Andover to Newton and converting to steam power, but its resources were limited. Realizing the financial benefit of adding the segment to its route, engineers plotted the line to run from north to south directly through the Andover Township, with an estimated cost of $300,000 once the two railroads reached an agreement. The monies came from a combination of stocks and bonds funded largely by the residents of the township, and by 1853 the New Jersey Legislature allowed the Sussex Mine Railroad to change its title to the Sussex Railroad Company. The legislature also authorized the firm to extend its line to the Delaware River and nearly 400 miners were reassigned to work on the railroad when its construction stalled. The first locomotive left Newton in December 1854, and as it journeyed through Andover en route to Waterloo, Andover residents crowded the "windows and stoops" of their homes as it stopped briefly to collect passengers before continuing its journey (Wright 2011). The Sussex Railroad extended its line to Franklin, Hamburg, and McAfee before being purchased by the Lackawana and Western Railroad in 1881 (Newton New Jersey 2021).

Building upon the successes of its mining industry and the railroad, Andover Township was incorporated under an act passed by the New Jersey Legislature on March 10, 1864. While the origins of its title are unknown, the township was formed from a portion of Newton, which had been established in 1751, and was home to primarily German immigrants (Snell 1881:444–445). By the late-1800s Andover Township transitioned from what was a small farming community focused largely on dairy production with farms scattered amongst its many ponds and streams, such as Stickle Pond (adjacent to the APE), to a vibrant, rural residential community. The township's population reached over one thousand persons by 1880, as small towns along the railroad line quickly replaced the inns and taverns along the Union Turnpike (Snell 1881:446).

Andover Township continued its growth through the turn of the century, prompting local residents to incorporate a separate township, Andover Borough in 1904. Several fine homes lined Railroad Avenue by this time, many of which are still standing to this day. Some were not as fortunate however, as a fire in 1908 along Andover Borough's Main Street destroyed several structures. The Lehigh and Hudson Railway Company added to the area's network of railroads by connecting to Andover Junction in 1904 (Figure 8) and also constructed a new station nearby by 1908. Residential and agricultural development of Andover Township remained steady through the 1920s, but the Great Depression began to take its toll on the local economy in the decades that followed. Industrial and commercial development continued in nearby Newton, while Andover largely returned to its agricultural roots in the decades to come (Newton New Jersey 2021; Nifenecker 2012).

Figure 8. Detail from historic atlas of New Jersey, c. 1907, showing the development of Andover and surrounding area shortly after the township's division into two separate municipalities in 1904. Note the convergence of the Lackawana and Western Railroad with the Lehigh and Hudson Railway line at Andover Junction, connecting it with Newton to the township's north (Image courtesy Massachusetts Archives, Digital Commonwealth, Phillips Academy Andover, Robert E. Diefenbach Map Collection).

One of the greatest recreational improvements to Andover Township came when the Young Men's Christian Association (YMCA) relocated its camp for boys from Lake Wawayanda in the Vernon Township to Slater's Lake (now Lake Aeroflex, just to the east of Stickle Pond and the APE) in 1919. Commonly known as the Jersey Boys' Camp at New Wawayanda, it attracted scores of young campers before being relocated once again to Johnsonburg in 1954 and later to Frost Valley, New York (New Jersey State Park Service 2021).

Despite its rural nature, Sussex County's history of German immigration brought Andover Township its share of political challenges in the 1930s and 1940s. A group identified by Red

Bank New Jersey's *Daily Standard* as "Fritz Kuhn's German American Bund" disturbed the township's residents by flying a Nazi flag above the American flag, defending Adolf Hitler, and singing the Star-Spangled Banner while adorned with swastikas in 1939 (Daily Standard 1939). Andover officials hoped to disband the group by refusing to renew the liquor license of nearby Camp Nordland (its home base) that September, but the "Bund" continued to hold private meetings over the next year. Angered by its lack of patriotism and for inciting "racial and religious hatred" through its speeches, two Andover Township committeemen employed two police deputies to raid a secret Bundsmen meeting of roughly 2,000 members in July 1940. They arrested three leaders, including the group's "Fuhrer," William Kunze just as its ceremonies began, citing charges of "unlawful assembly." Accounts of the arrest claim that the arrests "made things easy" for the New Jersey Legislature to enforce the "no foreign uniform bill" it had passed with a unanimous vote banning such activities and outlawing Nazi regalia the previous year (Daily Record 1939; Daily Standard 1940).

By the 1950s large cattle operations had replaced many of the smaller farms in Sussex County, as its barns and silos invited "more cows than people" by the decade's end. The postwar era marked a transition from agricultural to more residential uses, however, as young veterans returned to purchase homes in Newton, Newark, and other more developed communities after World War II. Many of the changes impacting the APE were constructed during this period, including the airstrips adjacent to Stickle Pond and what is now Lake Aeroflex, which became more commonly known as Newton Airport and later as Aeroflex Andover Airport. Named for the Aeroflex Corporation, which was formed by Frederick K. Hussey and his father in New York in 1957, the lake's airport and runway facility remained in public use until 2013 and a portion are presently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021).

Figure 9. Current photograph of trainer with airplane at the Andover Flight Academy, which first opened in 1987 east of the APE. Note the Aeroflex over the hangar entrance (Image courtesy Andover Flight Academy).

Construction of Interstate 80 (south of the APE) began in 1959, which mostly bypassed the township once the highway was completed in 1973. Combined with the discontinuation of rail service to the area in 1966, Andover soon became just another isolated rural town on the outskirts of New York City by the 1970s. Joseph and Barbara Lore of Rubicon Arabian Stables purchased the 948-acre Hussey property in 1985 but in less than a decade it fell into foreclosure and was purchased by the state of New Jersey through its Green Acres Program in 1994, which repurposed it as Kittatinny State Park (Kittatinny State Park 2021; Newton New Jersey 2021).

While Andover Township remains mostly a quiet "bedroom community" its twenty-one square miles of rural landscape is now home to roughly 6,500 residents. Located just forty miles northwest of New York City, it prides itself as being "full of locally owned and operated businesses," including medical professionals, automotive shops, financial advisors, health food stores, five supermarkets, farms, and a "state-of-the-art hospital" (Andover Township 2021). Kittatinny State Park is one of the area's most popular attractions, as its historic structures combined with trails that trace the former railroad lines allow hikers to easily access the many recreational opportunities it has to offer (New Jersey State Park Service 2021).

LAND USE AND CARTOGRAPHIC REVIEW

PaleoWest conducted intensive archival research into the history of ownership and land use for the subject APE. Information came from several sources including the public deed records found at the Sussex County Clerk of the Court Records Room, the Sussex County Public Library's Local History and Genealogical Collection and several online genealogical databases. Additionally, PaleoWest reached out to the Sussex County Historical Society but has yet to receive a response.

Historic maps indicate at least one structure was in place within the project area by 1860 (State Geological Survey 1860). A single structure is depicted north of what would become Stickles Pond Road and south of an unnamed drainage north of the project area on a NJ State Geological Survey map (Figure 12). A second structure is depicted just south of Stickles Pond, perhaps barely within the extreme eastern portion of the project area, now a wetlands area to be avoided by project activities.

Historic aerial images indicate that much of the project area was largely undeveloped and partially used as agricultural land by the early twentieth century. A 1931 aerial photograph shows cleared fields, possibly used for grazing, at the project area center and a possible small orchard in the northeast portion of the project APE. A small structure, likely a farmhouse, fronting the north side of Stickles Pond Road at the center of the project area may correspond to the structure depicted in a similar location on the 1860 State Geological Survey map (Figure 13) and possibly the 1823 property map (Figure 10). A second structure might lie southeast of the possible orchard fronting Stickles Pond Road, in a similar location as the second potential project area structure depicted on the 1860 State Geological Survey map, but the image is not clear. The west and north portions of the project area appear to be grass-covered and forested, undeveloped land.

The land surrounding and including the APE and parcel were originally owned by Zacharias Stickle Sr. and his son as early as the late-eighteenth century. Zachariah Stickle Sr. (1723 – 1797) and his son Zachariah Stickles Jr. (1759 – 1802), purchased 193 acres of land on May 25, 1790 in what would become Andover Township, thus establishing the Stickle homestead at that time (Jones 1998). There is no indication that this branch of the Stickles family had settled in Sussex County before this period. Zachariah only first appears on the tax rolls in Sussex County as early as 1793. His property was left to Zachariah Jr., his brother Andrew Stickle, and Peter Snook. When Zachariah Stickle Jr., died in 1802, various members of the extended family

acquired rights to the farmstead. These included Mary Stickles, Zachariah Jr.'s widow, some of his siblings including his brother Philip.

Zachariah's property was eventually split between his surviving children widow and relatives. Some appear to have soon sold theirs, other parcels remained within the Stickles family. In April 1823, the land immediately south and west of Stickles Pond was owned by Philip Stickles and totaled some 78 12/100th acres (Figure 10). This was bounded by Stickles Pond Road to the south and property owned by Zachariah Stickle Jr. to the immediate east, totaling only four acres. In a Deed dated April 23, 1823 another parcel owned by Zacharias Stickle, transferred property to Philip described as:

> "Beginning at a Black Walnut Tree standing on the South East side of the road from Captain John Potters Mill to Sparta, being nearly in front of Philip Stickles dwelling, being also Zacharias Stickles Corner…" (Crawn Collection).

The 1823 deed indicates that Philip lived within the APE at this time, although an exact date of construction is known. In 1823, Philip married Jane Nixon. They had two children Isaac and Margaret. Philip died in 1831 and left the property containing the home to his son Isaac and Isaac's wife Sarah Hill Stickles. It is likely that Isaac lived and worked on the APE from at least that period until 1861, when the land and buildings were sold to John Ackerman (Sussex County Deed Book A5, Page 342).

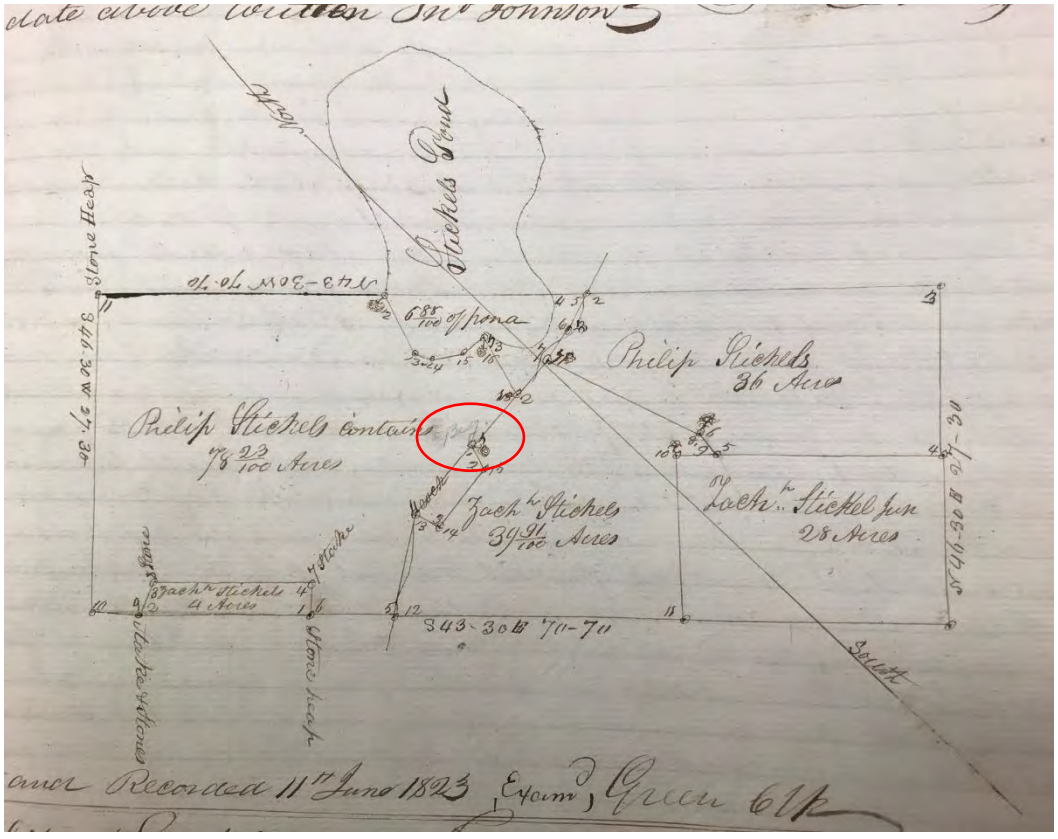


Figure 10: Hand-drawn map depicting Stickles homestead from Sussex County Deed Book X2, Page 325. Note Stickles Pond Road (described at the time as, "road leading from Spring Lake Mill

to Sparta," running through the middle of the map and Philip Stickles' land holdings covering the current project APE. Within the APE is a hand written note reading, "Bldg," circled in red.

John Ackerman (1811 – 1896), identified on the 1860 map of Sussex County as "J. Ackerman," was listed as a farmer in the New Jersey Birth and Death Index in 1896. According to the 1880 U.S. Federal Census, John Ackerman was living with his wife Jane Ackerman (1806 – 1881) in Andover Township. In the 1870 U.S Census individual enumerations, John Ackerman is listed as a "farmer" with $7,000 in real estate value and $400 in personal estate value. Historian James P. Snell wrote in 1881 that Zachariah Stickle, presumably Jr., lived and died on the Ackerman place, further solidifying the connection to Zachariah, Philip and John Ackerman. Snell also lists John and Jane Ackerman as some of the oldest residents of Andover at 66 and 75 years old, respectively (Snell 1881). It is likely that during John Ackerman's occupation of the property many of the additional farmstead buildings were initially constructed. Additional buildings were likely added as Ackerman's real estate valuation reflects.

In 1898, shortly after John's death, the property was deeded to Frances B. Ackerman (Sussex County Deed Book K9, Page 127), although it is unclear from the historic record how Frances was related to John. By 1908, the property was transferred to William W. Ackerman, whose estate executrix then sold to Edith Buchanan in 1918 (Table 1).

Table 1: Chain of Title for subject parcel (from Sussex County Clerk of Courts Deed Records)

Year	Sussex County Deed Book	Page	Grantor	Grantee	Genealogical Notes
1814 (?)			Margaret Stickles (? - 1814)	Zachariah Stickles (1788 – 1868)	Inherited from father, Zachariah Stickles Sr.'s estate. Likely built first portion of farmhouse estate
1823	X2	323	Zachariah Stickles (1788 – 1868)	Philip Stickles (1791 – 1831)	
1831(?)	X2	323	Philip Stickles	Isaac Stickles (1827 – 1900)	Son, born 1827. Listed in 1860 U.S. Census as being a farmer with $10,000 in real estate and $3,000 in personal value. Had 6 children at the time.
1861	A5	342	Isaac Stickle & Wife (Sarah Hill)	John Ackerman	Likely constructed second and subsequent structures on property
1898	K9	I27	John Ackerman (deceased)	Frances B. Ackerman	
1908	M10	414	Frances B. Ackerman	William W. Ackerman	
1918	S11	86	William W. Ackerman (deceased) and Ada S. Ackerman (executrix)	Edith A. Buchanan (trustee) for Osborne B. Buchanan	
1927	296	77	Clyde (deceased) and Edith A. Buchanan Henry T. Kays (executor)	Vernon E. Jump	
1966	814	137	Vernon and Lila Jump	Charles E. Jump and Stella B. Jump	
1970	878	348	Charles E. Jump (1916 – 1986) and Stella B. Jump	RRL Group (Newton Airport)	
2013	3304	242	RRL Group	Public Service Electric & Gas Company	

A 1950 U.S. Census Enumeration District Map ED 19-1 to 48 identifies only two structures within the current farmstead (Figure 11). One listed as a "Dwelling (Other than a farm)," likely Building 5. Another structure is listed as "Farm Unit Not In Use" and is likely Building 1 which appears to have been converted from a barn to a dwelling prior to 1950. Immediately north of the farmstead are several structures identified as "Seasonal or Summer Colony Dwellings Closely Spaced." No further information about the structures has been found, but it was not uncommon for summer visitors to spend time near the many lakes of Sussex County in the early to mid-twentieth century, most notable around Lake Lenape (The Township Crier 1964).

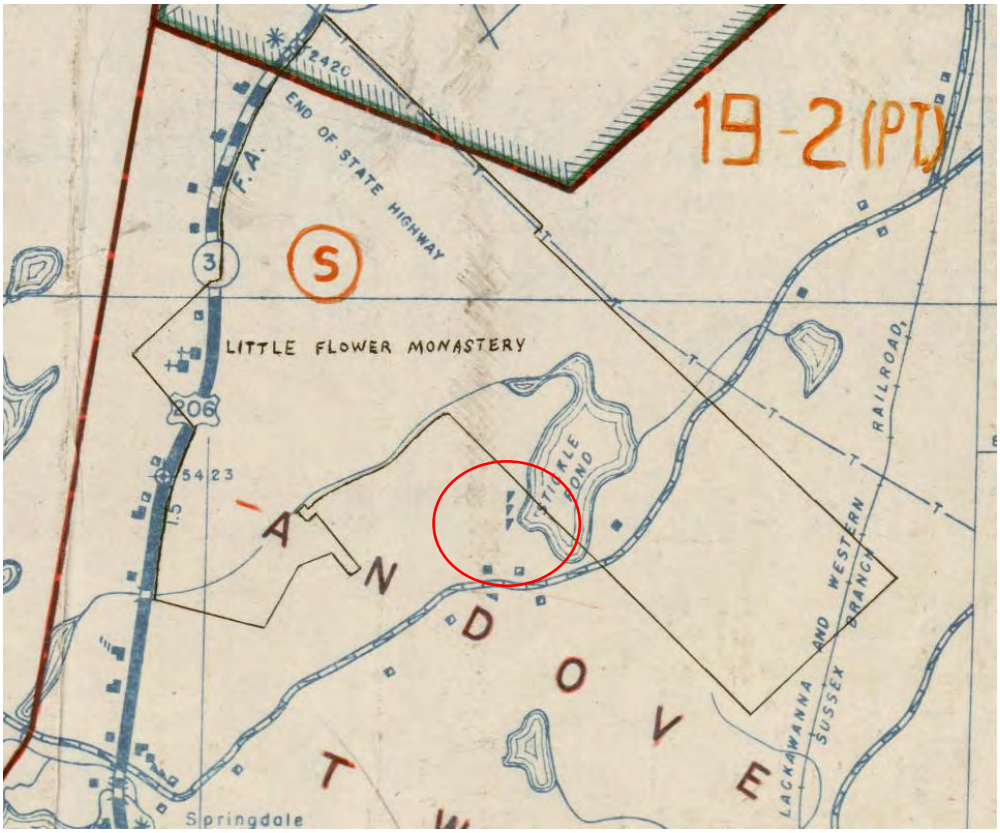


Figure 11: Portion of 1950 Census Enumeration Map - New Jersey (NJ) - Sussex County - ED 19-1 to 48. National Archives and Records Administration, Record Group 29, Series: Enumeration District Related Maps, 1880-1990, File Unit: Enumeration District Maps, New Jersey – Sussex County.

The next known owners of the property are Vernon E. Jump (1894 - 1971) and Lila L. Jump. Vernon married Lila in Staten Island on September 9, 1913. The 1930 U.S. Federal Census lists the Jump family as living on Stickles Pond Road on a "farm," although Vernon's occupation is listed as "accountant." Deed records indicate that the Jumps acquired the properties, totaling 143-acres, in 1927 from an estate exceed by local judge Henry T. Kays. In 1934, Lila I. Jump received an additional parcel from Maria A. Thom. By the 1940s, Vernon's son Charles was still living in Newton, but his father was listed as residing in Staten Island. In 1966 Vernon and Lila deeded the property to their son Charles Elliot Jump (1916 – 1986) and his wife Stella B. Jump according to Sussex County Deed Book 814, Page 137. They then sold the property to RRL Group in 1970, who owned and operated the Newton Airport (Brady 1988). There is no indication as to the occupation of the homes after 1966, but it is assumed they were utilized by airport staff.

The 1956 aerial shows two fields at the project area center and northeast cleared and plowed, and the possible orchard area overgrown (Figure 14). No structures appear extant in the project area by this time. The 1963 aerial image shows the beginning of development for the Newton Airport. Although the paved runway area was not yet modified, a northwest-southeast earthen area that would eventually act as a secondary unpaved runway was partially cleared (Figure 15). The western and northeastern portions of the APE remained undeveloped.

By 1970, the extant east-west paved runway was in place (Figure 16). The runway depicted is longer than the extant paved section, with an extended earthen portion across the entire western part of the APE and an eastern earthen extension all the way to Stickles Pond. The northwest-southeast earthen secondary runway area had been further cleared and expanded. The extreme northeastern portion of the project area also appears to have been further cleared and possibly further levelled. The two runway areas remained cleared into the 2000s (Figure 17–Figure 19).

The Newton Airport is first depicted in the U.S. Federal Aviation Administration's (FAA) January 1961 sectional aeronautical chart for New York, suggesting it was completed just before the 1963 aerial image was taken (FAA & NOS 1961). It is described as having one runway with a turf surface measuring 2000' in length. No facilities or buildings are listed for the airport, which was functional that year on Sundays only. The airport is present on the FAA sectional aeronautical charts through 1970. In April 1970, it is described as having two runways. The longest was an asphalt-surface, paved runway measuring 3400' in length (FAA & NOS 1970). The second was an unpaved crosswind runway. By the 1980s, as Andover was developing and more families were moving near the airport, local residents expressed concern about the safety and need for restrictions at the airport. Zoning restriction were soon adopted which likely led to the eventual closing of the airport as the Aeroflex Airport continued to grow. (Brady 1988). Newton Airport was closed and the land sold for development in 2013 (Freeman 2013). No post-airport development is depicted in aerial images or topographic maps for the project area.

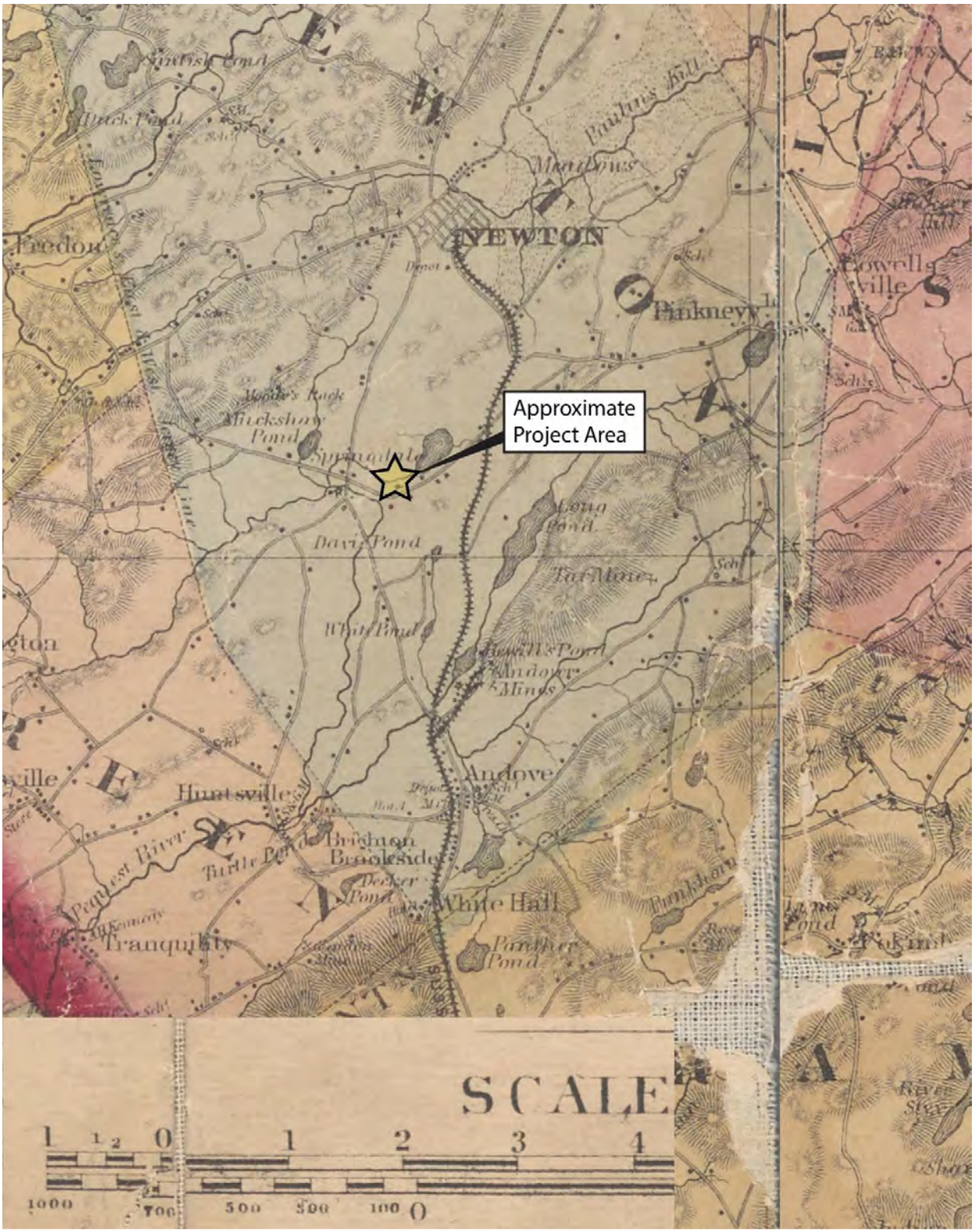


Figure 12: Detail of 1860 State Geological Survey and U.S. Coast Survey (State Geological Survey 1860).

Figure 13: 1931 aerial image, project area in red (NETR 2021a).

Figure 14: 1956 aerial image, project area in red (NETR 2021b).

Figure 15: 1963 aerial image, project area in red (NETR 2021c).

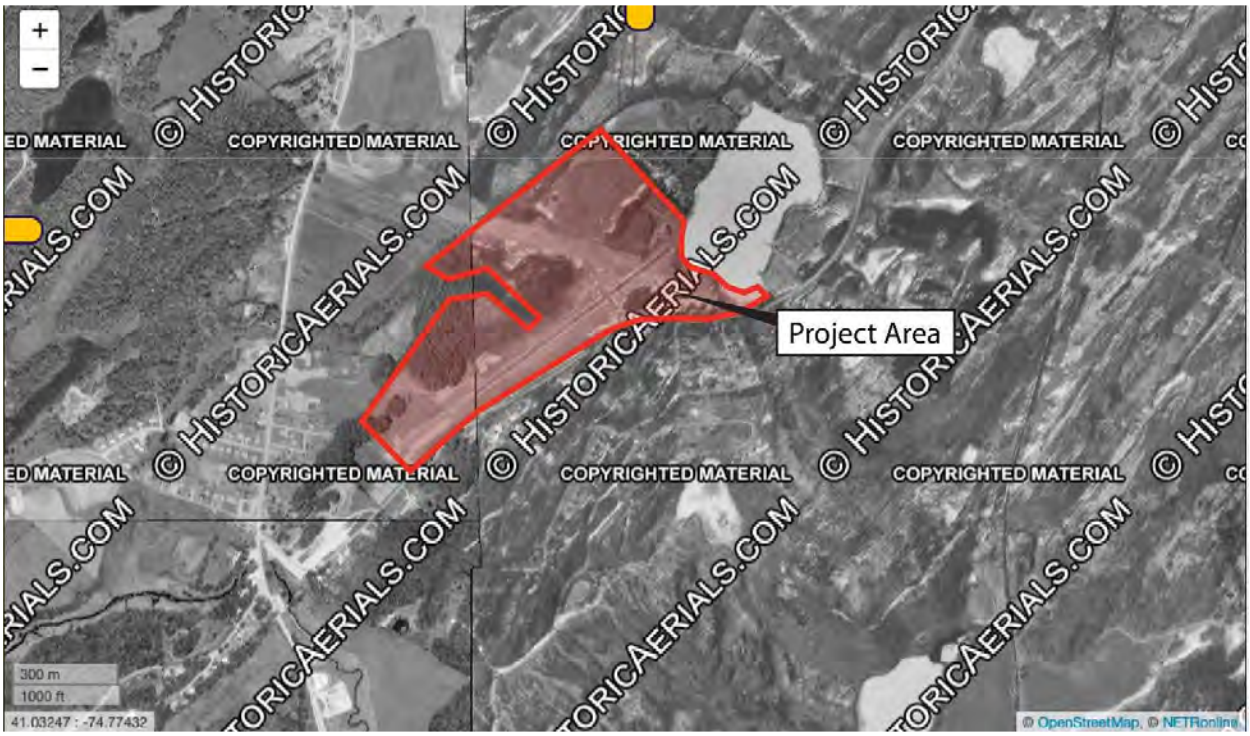


Figure 16: 1970 aerial image, project area in red (NETR 2021d).

Figure 17: 1984 aerial image, project area in red (NETR 2021e).

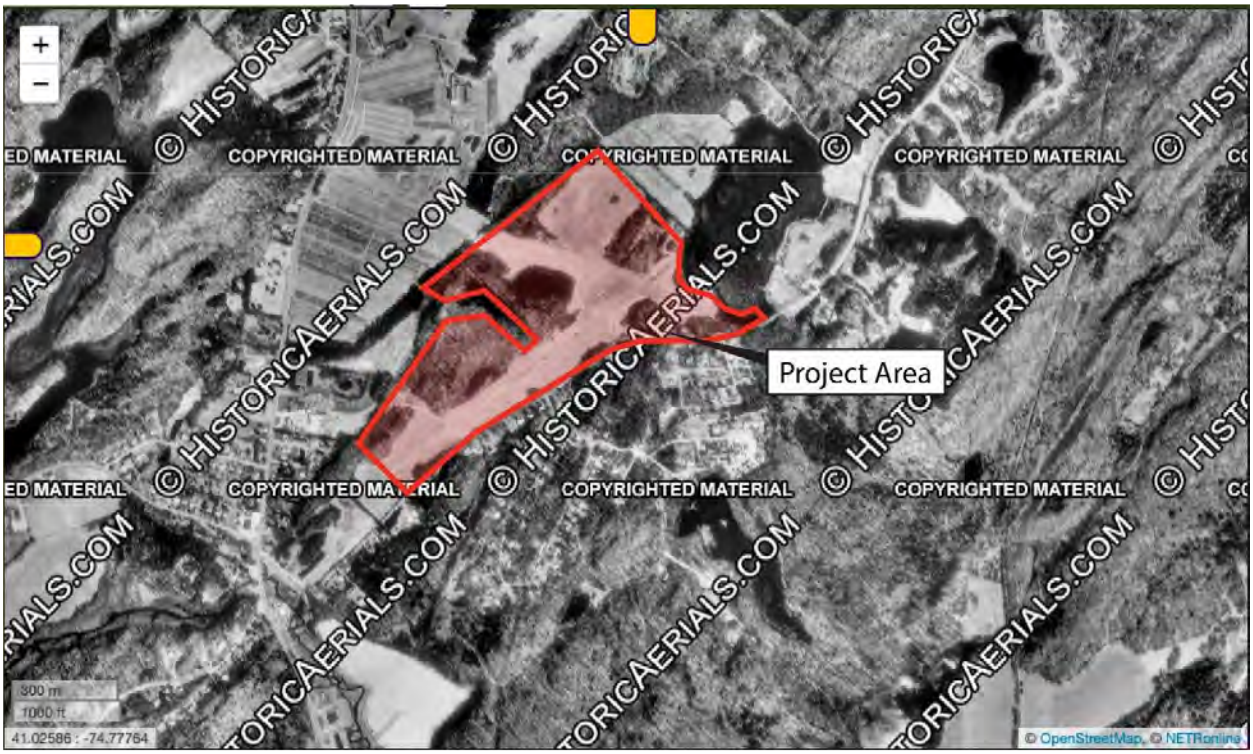


Figure 18: 1992 aerial image, project area in red (NETR 2021f).

Figure 19: 2007 aerial image, project area in red (NETR 2021g).

PREVIOUS RESEARCH

According to files provided by the NJSM on May 28, 2021, there are no registered archaeological sites located within the project area. There are no properties that have been found National Register of Historic Places (NRHP)-eligible or listed within the project area.

Two historic period resources are listed on the NJ State Register within a 1-mi (1.6-km) radius of the project area. Saint Paul's Abbey Normal Monastery (ID#5205) is a 1920s Benedictine monastery located approximately 0.3 mi (0.5 km) northwest of the project area. The monastery's grounds, deemed ineligible for register listing in September 2012, immediately surround the project area lot to the north and east. The Pennsylvania-New Jersey Interconnection Bushkill to Roseland Transmission Line (ID#5117), located 0.35 mi (0.6 km) northeast of the project area, is a 210-mile-long electric transmission line installed in the 1920s to connect three existing electricity provider networks across northern New Jersey and Pennsylvania. These historic resources do not overlap the project area.

NJSM files indicate previous investigations and cultural resource studies have identified twelve archaeological sites within a 1-mi (1.6-km) radius of the APE (Figure 20; Table 2). Eleven of these sites are precontact sites identified by Max Schrabisch in the 1910s. All eleven of these sites are oriented around the Muckshaw Ponds, an area of intermittent rises and lowland marshes or ponds beginning approximately 0.4 mi (0.6 km) northwest of the project area. These sites include ten camp sites identified on high ground nearby ponds and one site, Moody Rock Shelter (Sx-026), that featured multiple occupation eras and hearths suggested repeated use over time. The excavations that identified these sites did not include temporal analyses, but pottery was noted at Moody Rock Shelter within one stratified portion, indicating at least some Woodland period use of this area. The density of these sites indicates extensive usage of the

land nearby the project area prior to European contact, including at least some usage in the Woodland period.

Sx-449's site form was not available from the NJSM, but its mapped location corresponds to the NJ State Register-listed Pennsylvania-New Jersey Interconnection Bushkill to Roseland Transmission Line northeast of the project area.

Due to office closures related to the COVID-19 pandemic, NJ SHPO files from previous archaeological reports were not accessible at the time of writing. According to NJ SHPO's LUCY GIS system, the only recorded nearby archaeological survey was an architectural-intensive survey of the Pennsylvania-New Jersey Interconnection Bushkill to Roseland Transmission Line conducted by the Louis Berger Group in 2011. No other archaeological surveys are recorded within one mile (1.6 km) of the project area.

Table 2. Recorded archaeological sites within 1.6 km (1.0 mi) of the APE.

Site ID	Name	Description	Period	Distance from APE
Sx-026	Moody Rock Shelter	Multi-period rock shelter camp site excavated 1930. Projectile points, blades, scrapers, sinkers, awls, hammerstones, pestle, potsherds, faunal remains recovered.	Precontact (undetermined era)	0.7mi NW (1.1km)
Sx-184-A	Muckshaw Ponds	Camp site north of Muckshaw Pond.	Precontact (undetermined era)	0.7mi NW (1.1km)
Sx-184-B	Muckshaw Ponds	Camp site north of Muckshaw Pond.	Precontact (undetermined era)	0.7mi NW (1.1km)
Sx-185-A	Muckshaw Ponds	Camp site north of Muckshaw Pond.	Precontact (undetermined era)	0.7mi NW (1.1km)
Sx-186-B	Muckshaw Ponds	Camp site north of Muckshaw Pond.	Precontact (undetermined era)	0.65mi NW (1km)
Sx-186-C	Muckshaw Ponds	Camp site north of Muckshaw Pond.	Precontact (undetermined era)	0.6mi NW (1km)
Sx-187-A	Muckshaw Ponds	Camp site north of Muckshaw Pond.	Precontact (undetermined era)	0.7mi NW (1.1km)
Sx-188-B	Muckshaw Ponds	Camp site north of Muckshaw Pond.	Precontact (undetermined era)	0.7mi NW (1.1km)
Sx-189-A	Muckshaw Ponds	Camp site southeast of Muckshaw Pond, south of Moody's Rock.	Precontact (undetermined era)	0.4mi W (0.6km)
Sx-190-A	Muckshaw Ponds	Camp site southeast of Muckshaw Pond, south of Moody's Rock.	Precontact (undetermined era)	0.6mi NW (1km)
Sx-254	Muckshaw Ponds	Camp site northwest Moody's Rock.	Precontact (undetermined era)	0.65mi NW (1km)
Sx-449	N/A	Site report missing from NJSM records. Possibly refers to the Pennsylvania-New Jersey Interconnection Bushkill to Roseland Transmission Line.	N/A	0.35mi NE (0.6km)

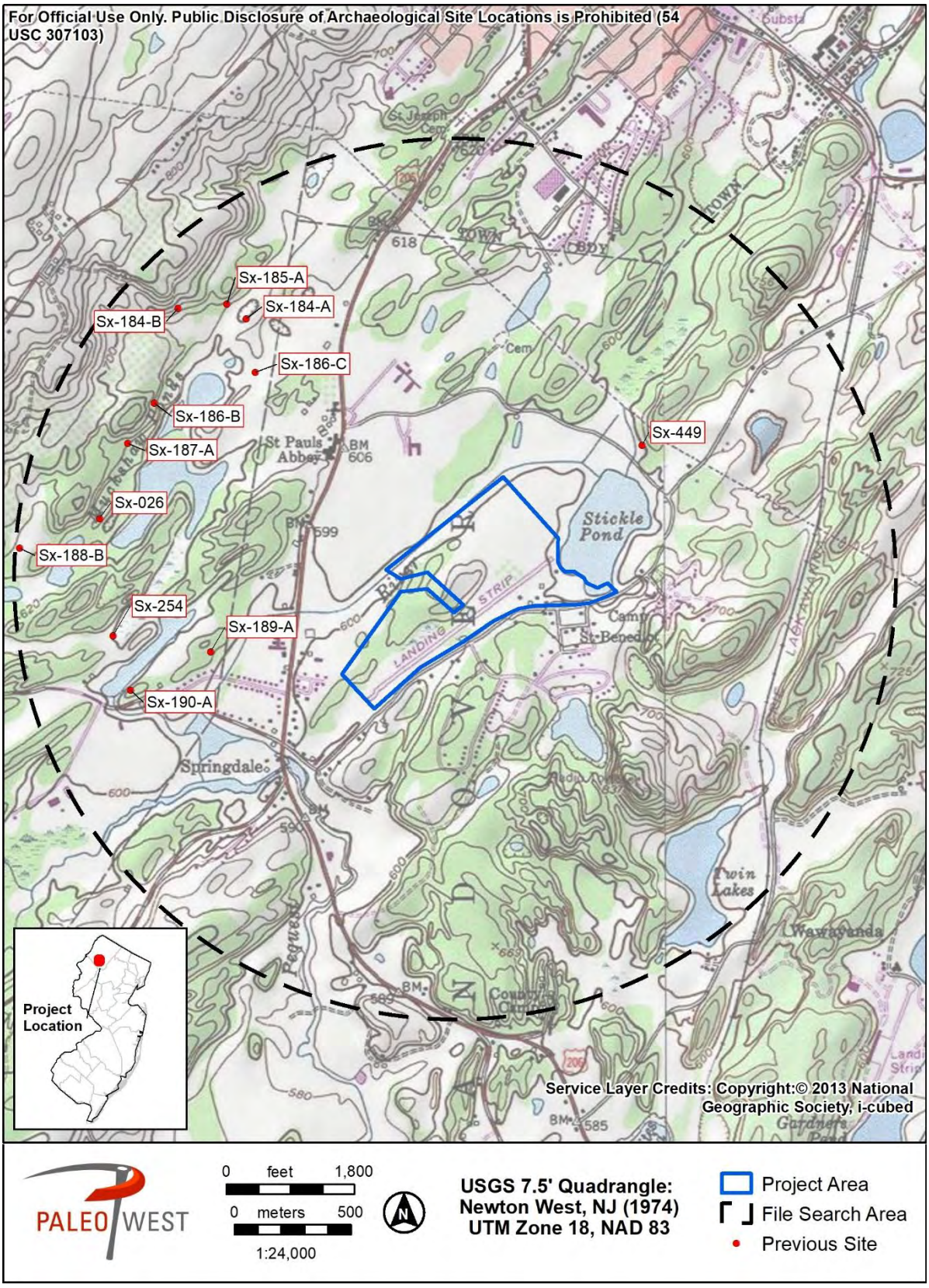


Figure 20. Site file search results.

RESEARCH DESIGN AND METHODS

A site file search conducted on the NJ SHPO's LUCY GIS system revealed twelve resources within a 1-mi buffer of the APE. There are no previously recorded NRHP-eligible or listed resources within the APE itself. Stickle Pond and the Pequest River border the project area to the east and north. Additionally, there are rocky outcroppings that may have been sources of lithic manufacturing material in the pre-contact era. Historic research indicates that the project area was occupied by European settlers at least by 1860. The APE is considered to have a high probability for both pre- and post-contact cultural deposits. As such, the entire APE will be tested at no greater than 15 m (50 ft) intervals, including areas up to 20% slope. Areas above 20% slope or inundated areas were not tested but were visually inspected. Pre-plotted STPs in these areas were offset to a nearby diggable surface when possible.

Based on the results of the Phase IA survey and the recommendations of the NJ SHPO, PaleoWest planned Phase IB subsurface testing throughout the area of potential effect, including all areas of proposed ground disturbance, and conducted an intensive level Architectural survey of the seven farmstead structures on the property. Phase IB investigations conformed to the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation, 1983 and the New Jersey Historic Preservation Office Requirements for Phase I Archaeological Survey at N.J.A.C. 7:4-8.4. The survey consisted of consisted of a pedestrian survey of the project area at a 3 m transect interval and a total of 832 pre-plotted STPs. The interval between STPs did not exceed 15 m (49 ft). The STPs were 30 cm (12 in) in diameter excavated in natural stratigraphic layers to culturally sterile subsoils or to 1 m (ca. 3 ft) in depth. An additional 7 excavation units measuring 1x1 m were placed within areas of high artifact concentration and adjacent to the primary farmstead structures in order to inform on the eligibility of these resources. All excavated soil was screened through 0.25-in hardware cloth to facilitate the recovery of artifacts. Soil texture was recorded using standardized terminology and soil colors recorded using Munsell soil color charts. Locations of STPs were recorded using a GPS unit with differential corrections applied.

PaleoWest employed a fully digital data collection workflow during field investigations. All images and data were collected digitally using iPad tablets and smartphones connected to office servers over high-speed cellular data networks. Collecting data in the field over cellular networks allows data to be available to all members of the crew on site, as well as all off-site PaleoWest staff, in real time. As data are entered in the field, a PaleoWest data manager concurrently checks and cleans records, allowing us to address potential issues in the datasets while excavations are still open and fresh in the excavators' memories and before crews leave the field. The database system used for data collection in the field provides the platform for data collection and management through analysis and reporting.

FIELD RESULTS

PEDESTRIAN SURVEY

Chrysalis conducted a pedestrian walkover survey of the APE on May 11, 2021 to document current conditions and assess the potential for the presence of potentially significant archaeological resources within the APE. The APE was photo-documented and examined for archaeological sensitivity (Figure 21–Figure 31).

The APE is accessible via two gravel paths, partially overgrown with vegetation, leading north from Stickles Pond Road to the extant Newton Airport paved runway (Figure 21). The central portion of the APE is level and cleared of trees, with knee-length grasses surrounding the extant runway (Figure 22). An X-shaped area northwest of the northeast end of the runway is also level ground cleared of trees and overgrown with knee-high grasses (Figure 23). The west side of this area features at least five abandoned and deteriorating metal tent-framed structures constructed over poured concrete bases (Figure 24–Figure 25). These semi-permanent structures were likely related to the airport but were not marked on maps. The southern portion of the X-shaped area is occupied by a partially collapsed wooden shed with poured concrete pad and abandoned RV with surrounding refuse (Figure 26–Figure 27). Dilapidated

The north-central portion of the APE becomes forested land gradually northwest of the runway, with two open approximately 5’ by 5’ (1.5m by 1.5m) excavated holes, perhaps for soil testing or tree stump removal (Figure 28). At the northwest forested area, land is relatively level but heavily tree covered (Figure 29). A large rocky outcrop rises south of this forested area (Figure 30).

The western portion of the APE includes a cleared, grassy extension west of the runway and a lightly forested area northwest of the runway (Figure 31). While historic aerial images indicated the paved runway previously included an earthen extension west and east, these areas are now grass-covered, level ground.

Figure 21. Gravel road approach to runway, facing northwest.

Figure 22. Grassy central area surrounding runway, facing northeast.

Figure 23. Grassy, cleared X-shaped secondary runway area, facing north.

Figure 24. Three abandoned tent structures on west side of X-shaped area, facing west.

Figure 25. Two abandoned tent structures on west side of X-shaped area, facing south.

Figure 26. Wooden shed, facing east.

Figure 27. Abandoned RV and refuse, facing south.

Figure 28. Beginning of forested area in northwest APE with open excavation, facing northwest.

Figure 29. Forested level land in northwest of APE, facing northwest.

Figure 30. Rocky outcrop rising at north-center portion of APE, facing southeast.

Figure 31. Area west of extant paved runway, facing west.

SUBSURFACE EXCAVATIONS

Shovel Test Pits

PaleoWest conducted fieldwork in two sessions from November 2 to November 11, 2021 and March 8 to 14, 2022. Fernando Ramirez-Cotto (B.A.) served as Field Director with Lawrence Chiatti (M.A.), Antonio Kuilan (M.A.), Zachary Babineau (B.A), Joseph Pellrine (B.A.), and Ghavin Deonarain (B.A.) as Field Technicians. The first session of Phase IB investigations consisted of a pedestrian survey of the APE at a 3 m transect interval and a total of 832 STPs plotted at 15 m intervals (Figure 37–Figure 38). The second session of fieldwork consisted of an additional 13 delineation STPs and 7 excavation units measuring 1x1 m, placed within areas of high artifact concentration and adjacent to the primary farmstead structures in order to inform on the eligibility of these resources.

Figure 32: Field Technician Lawrence Chiatti, M.A. locating STP

832 STPs were pre-plotted across the APE at 15m intervals. A total of 83 pre-plotted STPs were precluded from excavation due to slope or wetland conditions. Positive STPs were delineated at 7.5 m intervals in cardinal directions. A total of 49 delineation STPs were excavated, of which 12 contained cultural material, for a total number of 19 positive STPs. One of the delineation STPs could not be excavated. The total number of negative STPs across the APE was 779. A comprehensive STP results table is included as Appendix B and STP locations are outlined in Appendix C. 17 positive STPs were found to represent three archaeological sites and two isolated finds (STPs 536 and 538). These three sites have temporarily been designated Field Sites A, B, and C. A fourth site, Field Site D, consisting of two 1x1 units is located adjacent to Building 5 and is associated with that structure. PaleoWest will be requesting site numbers from NJ HPO upon concurrence of our investigation findings. The material recovered from these sites is discussed below (see Artifact Analysis).

Field Site A consists of five positive STPs, two of which were pre-plotted (STPs 396 and 411) and three of which were radial delineation tests (STPs R11, R13, and LPC01). These five STPs yielded 76 historic artifacts from at or near the ground surface to as deep as 65 cmbs. The typical soil profile encountered in Field Site A consisted of 15 cm of dark yellowish brown (10YR 3/4) silty clay loam (Stratum I), followed by dark grayish brown (10YR 4/2) silty clay loam (Stratum II) from 15 to 55 cmbs, over yellowish brown (10YR 5/4) silty clay loam (Stratum III) from 55 to 63 cmbs (Figure 33). The site is located on a small ridge that slopes gently down to the south and southeast. The landform is vegetated by mixed hardwoods and pine. A total of 76 artifacts were recovered from STPs at Field Site A. Two excavation units were placed at Field Site A, TU 3 and TU 4, described below.

Figure 33. STP 411 soil profile from Field Site A.

Field Site B consists of two positive STPs, one pre-plotted (STP 425) and one radial delineation test (STP R07). These two tests yielded 65 historic artifacts from at or near the ground surface to as deep as 32 cmbs. The typical soil profile encountered in Field Site B consisted of 10 cm of (10YR 4/3) silty clay (Stratum I) followed by (10YR 5/4) silty clay (Stratum II) from 10 to 32 cmbs (Figure 34). Like Field Site A, this site is located on a small ridge that slopes down to the south and southeast and is covered by mixed hardwoods and pine. A total of 65 artifacts were recovered from STPs at Field Site B. One excavation unit was placed at Field Site B, TU 5, described below.

Figure 34. STP 425 soil profile from Field Site B.

Field Site C consists of four positive STPs, two pre-plotted (STPs 375 and 376) and two radial delineation tests (STPs FR01 and R04). These four tests yielded 26 historic artifacts from at or near the ground surface to as deep as 30 cmbs. The typical soil profile encountered in Field Site C consisted of 21 cm of brown (10YR 5/3) silty clay loam (Stratum I) over dark yellowish brown (10YR 4/4) sandy clay loam (Stratum II) from 21 to 46 cmbs (Figure 35). This site is located along the southern edge of the APE on a terrace below the ridge where Field Sites A and B were located. Vegetation also consisted of mixed hardwoods and pines. A total of 26 artifacts were recovered from STPs at Field Site C. Two excavation units were placed at Field Site C, TU 6 and TU 7, described below.

Field Site D consists of two positive 1x1 test units: TU1 and TU2. These units were placed to the south of Building 5 to inform on the structure's potential significance. The typical soil profile encountered in Field Site D consisted of a brown or dark yellowish brown (10YR 4/3, 4/4) silty clay loam (Stratum I), a dark yellowish brown or brown (10YR 4/6, 4/3) silty clay loam (Stratum II), a brown or dark grayish brown (10YR 4/3, 4/2) silty clay loam (Stratum III), and a yellowish brown or red yellowish brown (10YR 5/4, 5/6) clay (Stratum IV). Artifacts consisting of ferrous metal, ceramics, faunal bone, flat and vessel glass, brick, mortar, and coal were recovered from the first three strata. TU1 contained a dry stacked stone feature on the northwestern side of the unit and TU2 ha a linear stone and brick feature in the northern half of the unit, running parallel to the house. These features are suspected to be drains associated with the building.

Figure 35. STP R04 soil profile from Field Site C.

Excavation Units

PaleoWest excavated a total of seven 1x1 meter test units. TUs 1 and 2 were located on the southern side of Building 5, TU1 on the west side of the porch and TU2 on the east side. The units were placed in to confirm the presence of a potential feature initially located during shovel testing. TU3 and TU4 were excavated at Field Site A, placed to investigate a below ground scatter of historic artifacts found within five shovel tests. TU5 was excavated at Field Site B, which was placed between two positive shovel tests within an above ground artifact scatter on the wooded hill to the north of the buildings. TU 6 and TU 7 were excavated at Field Site C, within a row of 4 positive shovel tests. All units were excavated by natural stratum, until subsoil was encountered, after which excavation continued in arbitrary 10-centimeter levels. A comprehensive Test Unit results table is included as Appendix B.

Building 5/Field Site D: TU1 and TU2

TU1 contained four strata: stratum I a 10YR 4/3 brown silty clay loam, stratum II a 10YR 4/6 dark yellowish brown silty clay loam, stratum III a 10YR 4/3 brown silty clay loam, and stratum IV a 10YR 5/4 yellowish brown clay. Artifacts were recovered from stratum I through III, with artifact density declining with increasing depth. The artifacts consisted of ferrous metal, ceramics, faunal bone, flat and vessel glass, bricks, mortar, and coal. Stratum II contained a dry stacked stone feature on the northwestern side of the unit. The excavation was terminated at 85 centimeters below datum.

TU2 consisted of four strata: stratum I a 10YR 4/4 dark yellowish brown silty clay loam, stratum II a 10YR 4/3 brown silty clay loam, stratum III a 10YR 4/2 dark grayish brown silty clay loam,

and stratum IV a 10YR 5/6 red yellowish brown clay. A linear stone and brick feature was identified during the excavation. The feature was in the northern half of the unit and ran east to west, roughly parallel with the house. The feature consisted of three tiers: a top layer of slate and stone slabs, two parallel rows of bricks separate by a gap running underneath, and mortar and slate slabs at the bottom. The function of the feature is unknown, but it could have served as a drain. The artifact assemblage consisted of ferrous metal, nails, ceramics, flat and vessel glass, animal bone, shell, bricks, and mortar. The artifacts were recovered from stratum I-III, with the highest density of artifacts in stratum III, which surrounded the linear feature. Excavations terminated at 101 cm below datum.

Field Site A: TU3 and TU4

TU03 was laid in roughly between STPs 396 and R11, in Field Site A, where several 19th and early 20th century artifacts were recovered. The unit consisted of three strata: stratum I a 10YR 3/3 dark brown silty loam, stratum II a 10YR 4/2 dark grayish brown silty loam, and stratum III a 10YR 5/6 red yellowish brown silty clay loam. No features were encountered during excavation. Artifacts were recovered from the first two strata and included redware, whiteware, salt glazed stoneware, a gun flint, vessel glass, and nails. The unit was terminated at 58 cm below datum.

TU4 was placed immediately to the south of STP R13 in order to investigate historic artifacts recovered from a suspected fill layer. The unit consisted of 3 strata: stratum I a 10YR 3/3 dark brown silty clay loam, stratum II a 10YR 4/3 brown clay loam, and stratum III a 10YR 5/4 yellowish brown clay. Within the very loose stratum I there were many modern bricks and stone cobbles, but none of them formed a feature or alignment. Stratum I contained all the artifacts recovered from the unit and represents a fill layer. The artifacts consisted of nails, ferrous metal, bone, and ceramics. The southwest corner of the unit had some previous disturbance that brought some stratum II into stratum III, likely caused by root bioturbation, but contained no artifacts. Excavations terminated at 83 cm below datum on all sides of the unit, except the southwest corner which went down to 95 cm below datum.

Field Site B: TU5

TU5 was placed approximately midway between STPs 425 and R07. The unit consisted of three strata: stratum I a 10YR 4/2 dark grayish brown silty loam, stratum II a 10YR 4/3 brown silty clay loam, and stratum III a 10YR 5/6 red yellowish brown silty clay loam. The majority of artifacts came from stratum I, with only one recovered from stratum II, likely bioturbated down from stratum I. The artifact assemblage consisted of flat and vessel glass, ferrous metal, ceramics, and nails. The unit was heavily disturbed by root activity. The ground surface in the vicinity of TU5 had a scatter of artifacts consistent with the current assemblage: home goods and machinery debris. This site is likely a dump site with some buried material due to plowing or other light earth moving activities. Excavations terminated at 58 cm below datum.

Field Site C: TU6 and TU7

TU6 was placed approximately midway between STPs 376 and R04. The unit consisted of four strata: stratum I a 10YR 3/1 very dark gray silty loam, stratum II a 10YR 4/3 brown silty loam, stratum III a 10YR 5/3 brown silty loam, and stratum IV a 10YR 5/4 yellowish brown silty clay loam. No features identified during the excavation. The unit was heavily disturbed by root activity. Stratum II was likely a topsoil full brought in for landscaping purposes. The artifacts recovered consisted of ferrous metal, nails, insulator fragments, whiteware, redware, glass, and barbed wire, all of which were found in the top three strata. Excavations terminated at 55 cm below datum.

TU7 was placed between STPs R04 and FR01 to investigate a subsurface scatter of historic artifacts. The unit consisted of three strata: stratum I a 10YR 3/3 dark brown silty clay loam, stratum II a 10YR 4/3 brown silty clay loam, and stratum III a 10YR 5/4 yellowish brown clay. No features were identified during excavation and only stratum I and II contained artifacts. The artifacts assemblage consisted of nails, ferrous metal, animal bone, redware, whiteware, and nails. Excavations terminated at 74 cm below datum.

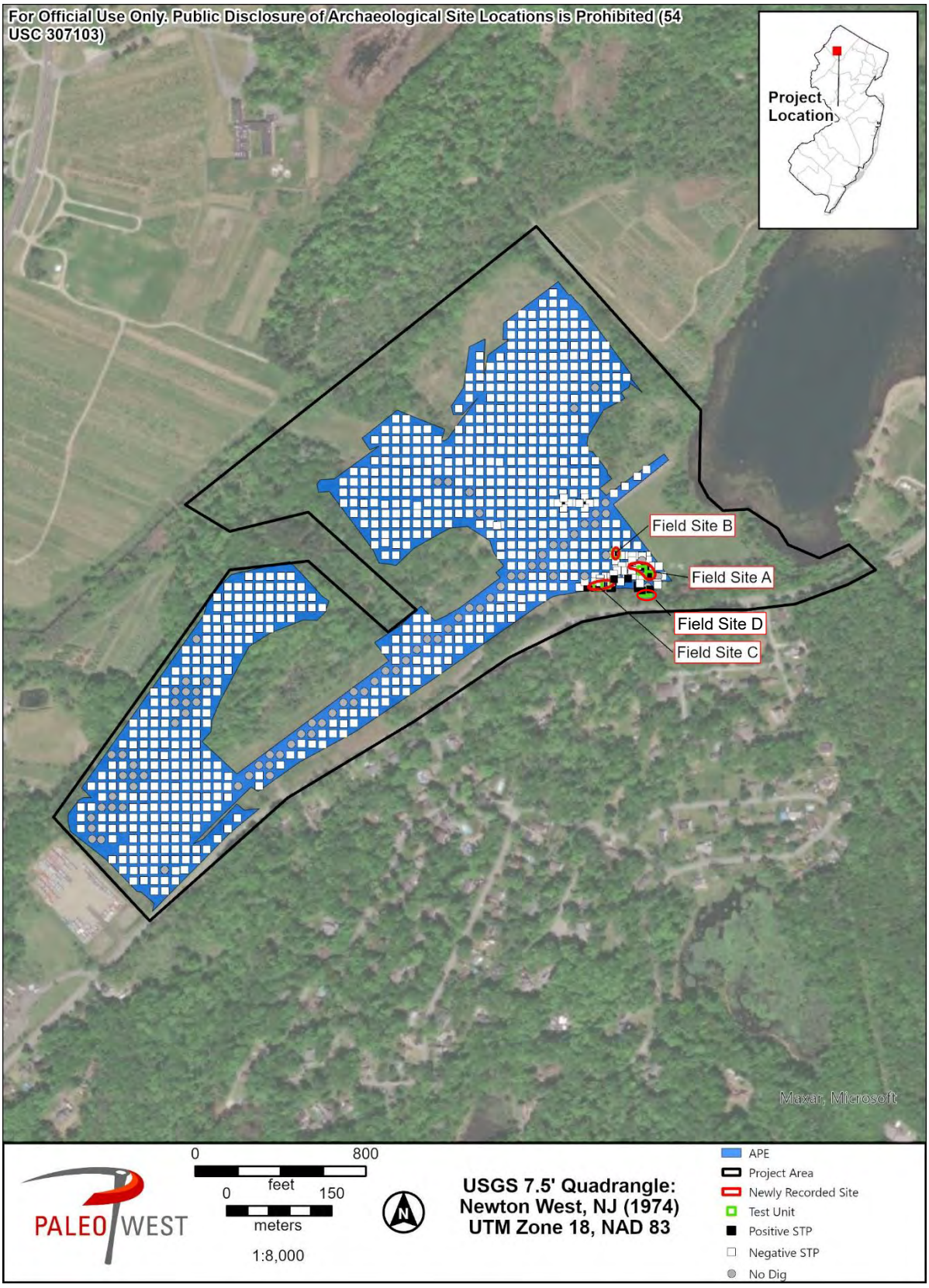


Figure 36. Results of survey overview.

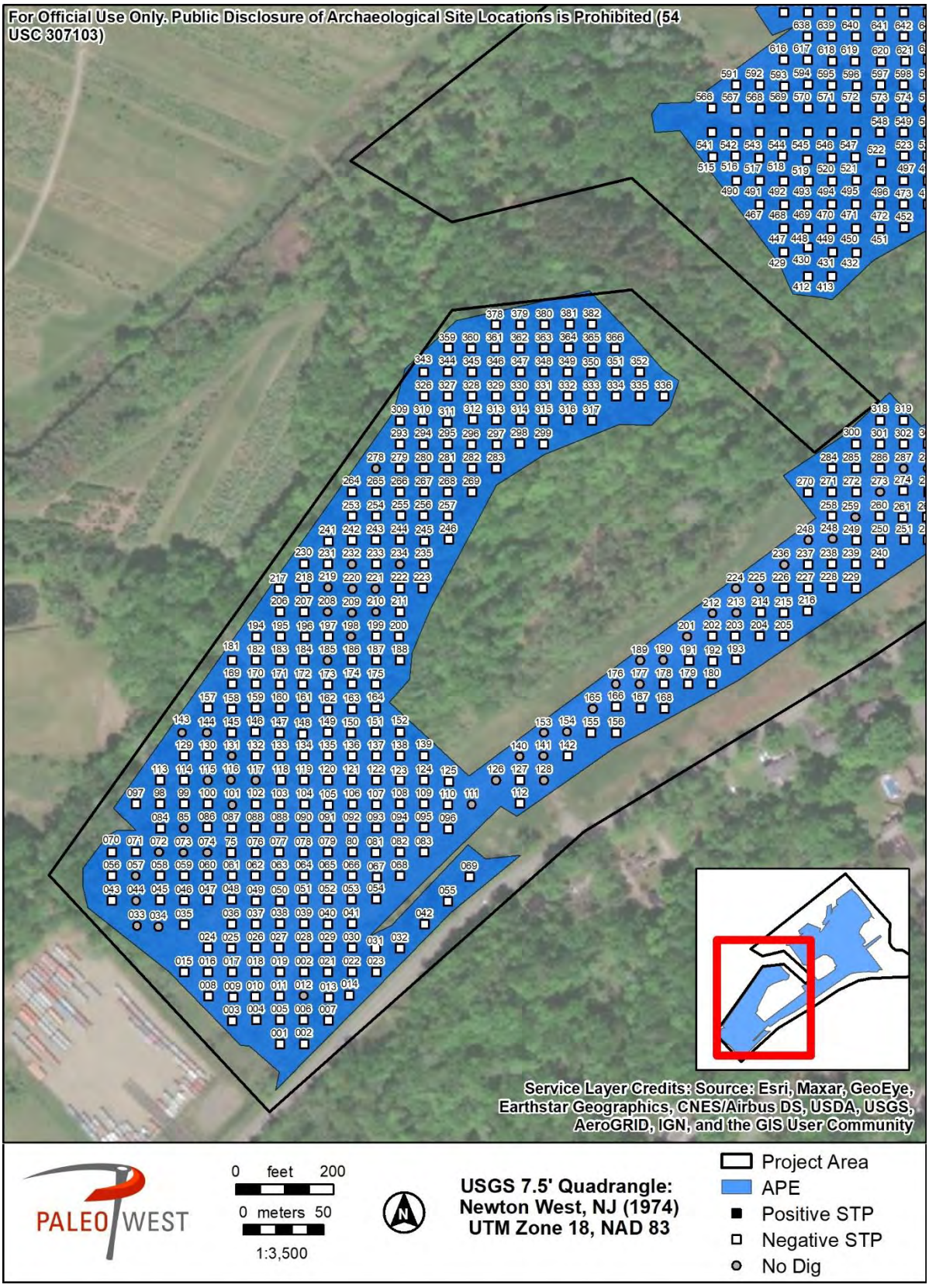


Figure 37. Results of survey detail- west.

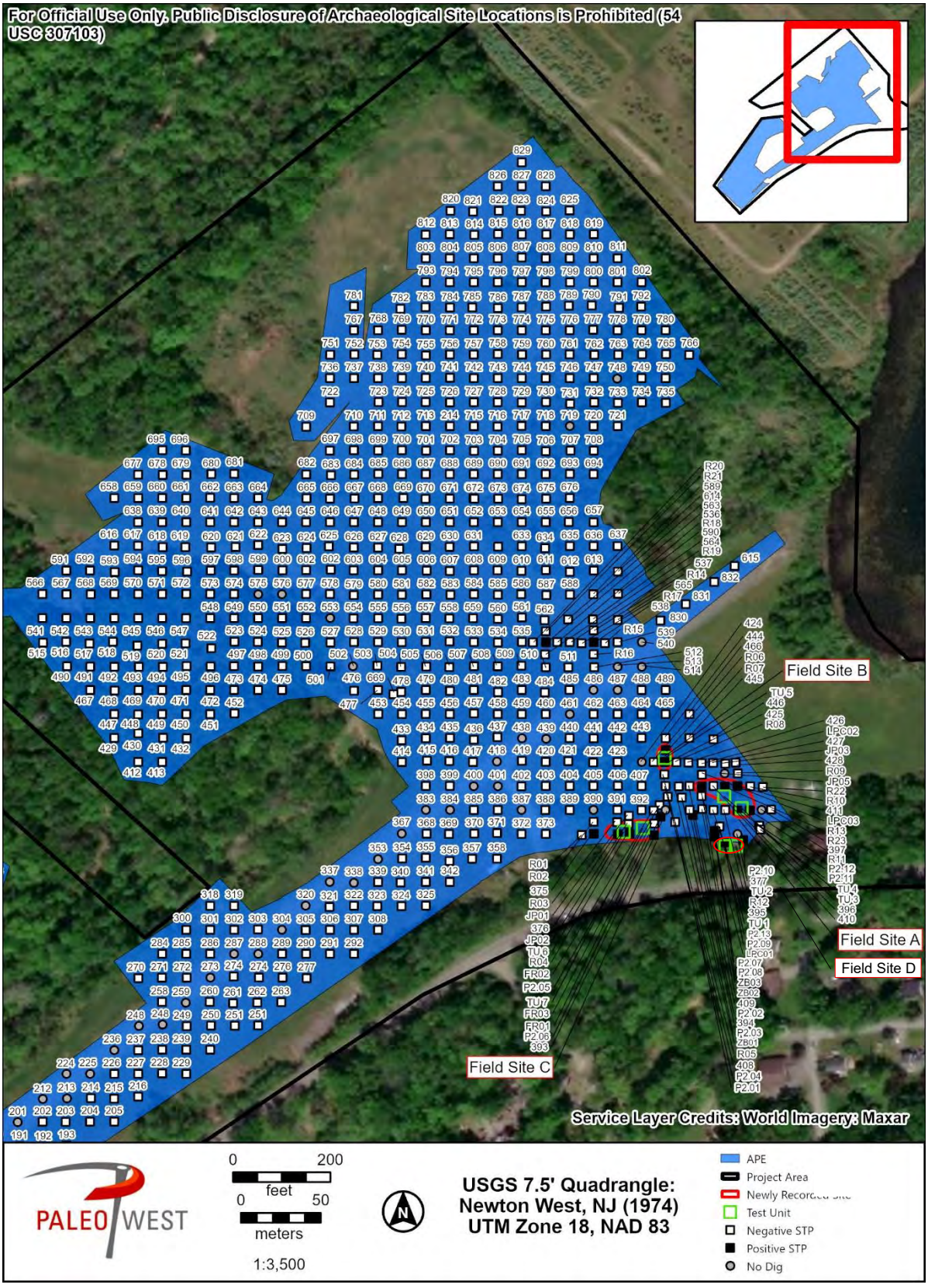


Figure 38. Results of survey detail- east.

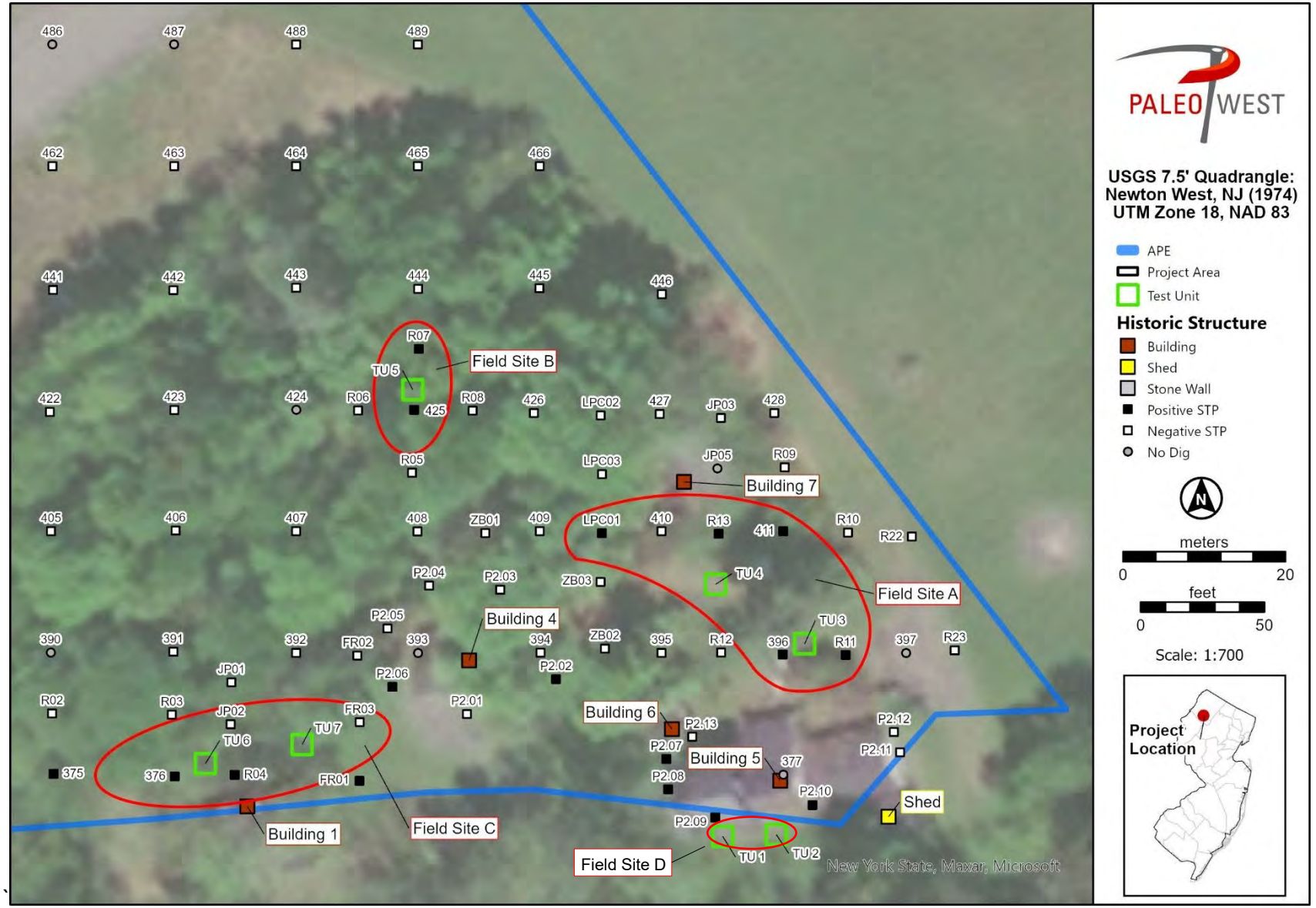


Figure 39. Field Sites Detail.

ARTIFACT ANALYSIS

Three archaeological sites were encountered during the Phase IB survey. These sites consist of low to moderate density artifact scatters, Field Sites A, B, and C. A complete artifact table is included in Appendix A.

Field Site A consists of five positive STPs, two of which were pre-plotted (STPs 396 and 411) and three of which were radial delineation tests (STPs R11, R13, and LPC01). These five STPs yielded 76 historic artifacts from at or near the ground surface to as deep as 65 cmbs. The artifacts recovered from this site include historic ceramics (n=21; 27.6%), fragments of glass (n=26; 34.2%), pieces of metal (n=27; 35.5%), a piece of brick (1.3%), and one fragment of cut faunal bone (1.3%).

The historic ceramic sherds include whiteware (including one floral transfer-print sherd, Figure 40), pearlware, porcelain, redware or terracotta, and white granite/white ironstone (Figure 41). Whiteware has been manufactured from around 1820 through present day, while pearlware dates from approximately 1775 to 1840 (Marciniszyn 2017). White granite/white ironstone was popular in the US between 1840 and 1870, although production did extend into the twentieth century (Maryland Archaeological Conservation Lab 2015).

The metal artifacts included fasteners such as square cut nails, wire nails, a screw, and a bolt. Other metal objects recovered from this site includes a brass base of a shotshell (Figure 42) and a ceramic caster wheel in a metal frame (Figure 43). The shotshell base has a headstamp marked with “WINCHESTER REPEATER” and “No 12.” This indicates that it is a 12-gauge shotshell manufactured by the Winchester Repeating Arms Company. This particular style of headstamp dates from 1896 to 1938 (Steinhauer n.d.).

The glass artifacts included fragments of colorless (Figure 44), aqua, and rose-colored glass as well as pieces of milk glass. Aqua glass dates to at least as early as 1800 and was common through the 1930s, and milk glass was commonly used in a variety of containers from the 1870s through the mid-twentieth century (Lindsey 2021). Colorless glass is less temporally diagnostic but is noted to have been rare prior to the 1870s (Lindsey 2021).

The fragment of faunal bone exhibited cut marks and appeared consistent with a cow or similar large mammal.

Figure 40: Floral transfer-printed whiteware sherd (FS 4.10).

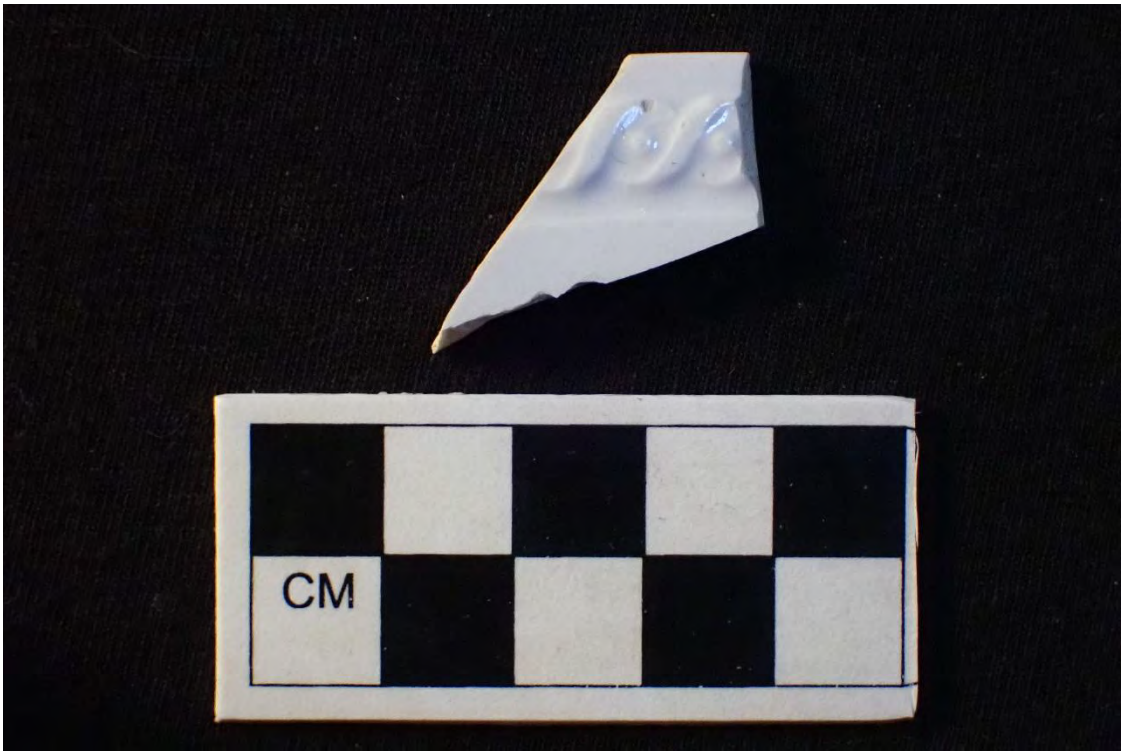


Figure 41: White granite/white ironstone sherd (FS 3.3).

Figure 42: Shotshell base with headstamp (FS 8.4).

Figure 43: Ceramic caster wheel in metal frame (FS 4.11).

Figure 44: Colorless glass bottle neck fragment (FS 12.6).

Field Site B consists of two positive STPs, one pre-plotted (STP 425) and one radial delineation test (STP R07). These two tests yielded 65 historic artifacts from at or near the ground surface to as deep as 32 cmbs. The artifacts recovered from this site include ceramics (n=22; 33.8%), glass fragments (n=40; 65%), and pieces of metal (n=3; 4.6%). The historic ceramic sherds include creamware and whiteware. Although whiteware continues to be manufactured currently, creamware dates roughly from 1762 to 1800 (Marciniszyn 2017). The glass artifacts include fragments of colorless, aqua, amber, and rose-colored glass, as well as pieces of milk glass. The temporal associations of colorless, aqua, and milk glass are discussed above. Amber glass has little diagnostic utility and is still used in bottle glass today. The pieces of metal consist of two wire nails and one fragment of unidentifiable metal.

Field Site C consists of four positive STPs, two pre-plotted (STPs 375 and 376) and two radial delineation tests (STPs FR01 and R04). These four tests yielded 26 historic artifacts from at or near the ground surface to as deep as 30 cmbs. The artifacts recovered from this site include ceramics (n=8; 30.8%), glass fragments (n=15; 57.7%), and pieces of metal (n=3; 11.5%). The historic ceramic sherds include whiteware, pearlware, porcelain (Figure 45), and terracotta. Most of these ceramic types have been discussed above. The fragment of terracotta likely represents part of a sewer pipe. The glass artifacts include fragments of colorless and aqua glass, as well as a fragment of deep blue-green glass. Deep blue-green glass has limited diagnostic utility, but it tends to indicate a nineteenth or very early twentieth century manufacture (Lindsey 2021). The pieces of metal include a square cut nail, a heavily corroded nail, and a metal plate with two rivets.

Figure 45: Porcelain sherd with palm tree decoration (FS 10.4).

Two isolated finds were encountered north of the central runway at the eastern end of the project area (STPs 536 and 538). STP 536 yielded a single body sherd of whiteware with an embossed pattern between 30 and 35 cmbs. STP 538 yielded three fragments of colorless bottle glass. Both STPs were fully delineated in cardinal directions with pairs of consecutive negative STPs at 7.5 m intervals.

Across all contexts, the artifacts recovered during excavation, not including isolated finds or finds associated with the disturbed context of Building 4, consisted predominantly of historic ceramics (44 per cent of the total assemblage). Glass and metal artifacts followed behind, accounting for 26 and 23 per cent of the assemblage, respectively. Building material and faunal bone comprised approximately 3 per cent of the assemblage each, while leather goods and items categorized as “other” comprised less than 1 per cent each. Considering the presence of building materials on site, it should be noted flat glass and nails were included under the “glass” and “metal” categories, respectively.

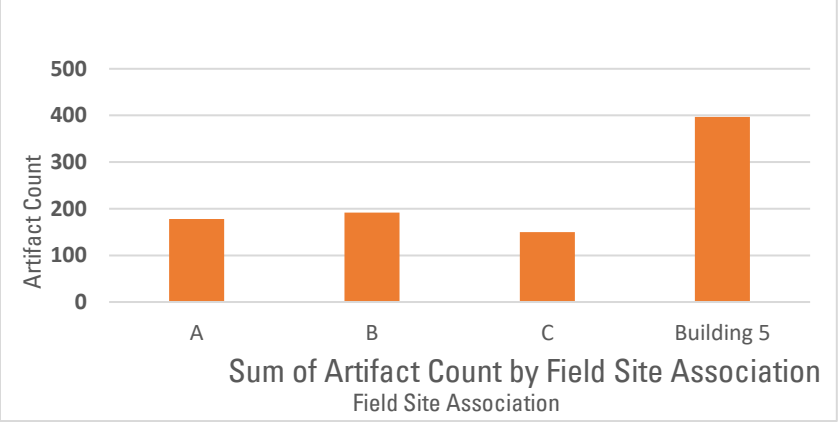
Table 3. Artifacts by Material

Material Type	Count	Assemblage %
BUILDING MATERIALS	25	3%
CERAMIC, HISTORIC	406	44%
creamware	32	-
ironstone	2	-

pearlware	93	-
porcelain	11	-
redware	130	-
rockingham	1	-
stoneware	8	-
terra cotta	4	-
unknown	11	-
white granite	1	-
whiteware	105	-
whiteware	7	-
yellow ware	1	-
FAUNAL BONE	31	3%
GLASS	236	26%
LEATHER OR SINEW	1	< 1%
METAL	210	23%
OTHER	8	< 1 %
Grand Total	917	

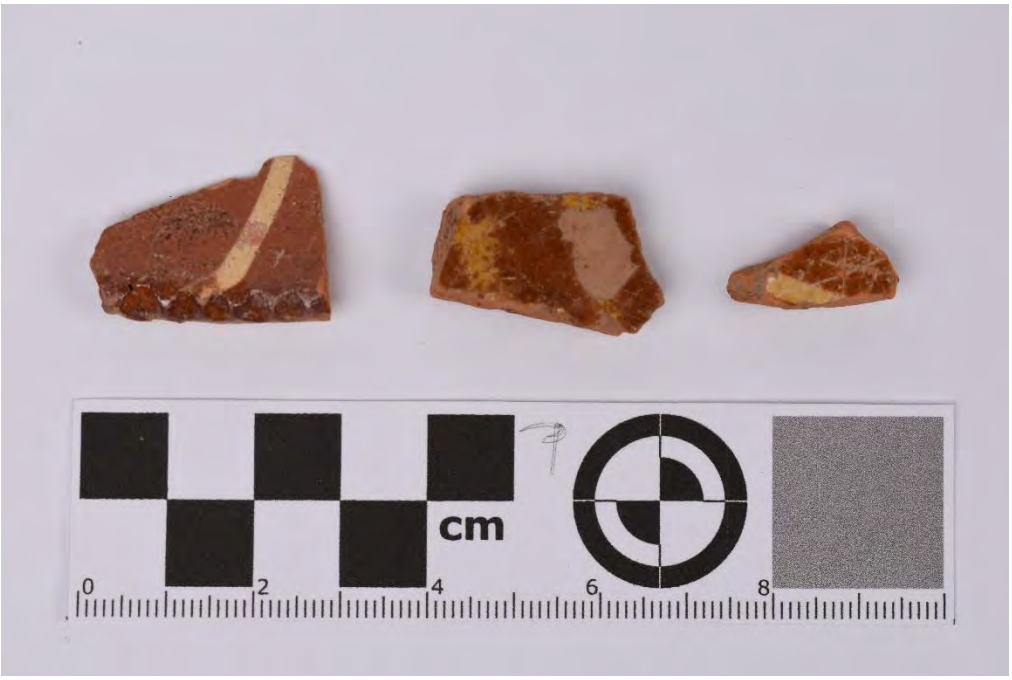
Field Site D along the southern elevation of Building 5 had a dense artifact assemblage with 397 artifacts recovered from the two units (TU01 and TU02) excavated in this location. This sum of artifacts was more than the sum of any two of the remaining field sites combined, with the added caveat that investigations at Field Site B consisted of only one unit as opposed to the two excavated at Field Sites A and C. This difference in artifact density is largely accounted for in the number of historic ceramics recovered. While Building 5 Field Site D yielded 241 ceramics, Field Sites A, B, and C yielded approximately 50 ceramics each.

Table 4. Artifact Counts per Field Site



Artifacts recovered from Field Site D, specifically those recovered from contexts at level or below features 1 and 2, were consistently older in age. TU01 and TU02 yielded a significant amount of pearlware sherds with potential use dates of c. 1830s. A “TD” variety clay pipe bowl recovered from TU02 implies an occupation date ranging between the early to mid-19th century (Reid 1976). Yellow slip decorated redware recovered from TU02 also indicates an occupation date within the 19th century, as this “Philadelphia Style” ceramic type was popular from the late 18th century to the close of the 19th century (Magid and Means 2003). Comparatively, Field Sites A, B, and C yielded artifacts with more varied dates, ranging from the possible late 18th century to modern artifacts. This high variation in artifact dates would seem to imply disturbed contexts within these sites, likely through a mix of plowing and continued use of the landscape throughout a wide timeframe.

“TD” variety Pipe Bowl fragment from TU02. Catalog # 25.43



Yellow slip decorated Redware from TU02. Catalog #s 25.17 and 25.18

Field Site	Material	Count
A	Total	178
	BUILDING MATERIALS	3
	CERAMIC, HISTORIC	58
	ironstone	1
	pearlware	12
	porcelain	1
	redware	7
	stoneware	5
	white granite	1
	whiteware	29
	(blank)	2
	FAUNAL BONE	3
	GLASS	46
	METAL	66
	OTHER	2
B	Total	192
	BUILDING MATERIALS	2
	CERAMIC, HISTORIC	59
	creamware	19
	porcelain	7
	redware	1

	stoneware	1
	terra cotta	2
	whiteware	29
	FAUNAL BONE	3
	GLASS	112
	LEATHER OR SINEW	1
	METAL	13
	OTHER	2
C	Total	150
	CERAMIC, HISTORIC	48
	creamware	1
	porcelain	1
	redware	30
	stoneware	1
	whiteware	15
	FAUNAL BONE	3
	GLASS	28
	METAL	69
	OTHER	2
Building 5	Total	397
	BUILDING MATERIALS	20
	CERAMIC, HISTORIC	241
	creamware	12
	ironstone	1
	pearlware	81
	porcelain	2
	redware	92
	rockingham	1
	stoneware	1
	terra cotta	2
	Unknown type	9
	whiteware	39
	yelloware	1
	FAUNAL BONE	22
	GLASS	50
	METAL	62
	OTHER	2
Grand Total		917

ARCHITECTURAL SURVEY RESULTS

Seven historic buildings, one modern shed building, and one historic structure were encountered during the survey (Figure 46). The historic buildings were encountered along the southeastern corner of the APE. These resources are discussed below. Together, they comprise a historic farm complex known as the Stickle-Ackerman Farmstead. The buildings do not compromise a district as they do not all date to the period of significance for the farmstead (19th century). Zachariah Stickle Sr. originally purchased the property with his son, Zachariah Stickle Jr., in 1790. The sale was for 193 acres. The farmstead was divided following his death and remained in the Stickle family until at least the 1820s. By the 1860s John Ackerman had acquired the farmstead. The Ackerman family occupied the property into the twentieth century. It is likely that the older extant farm buildings date to this period. Upon William Ackerman's death, the property was deeded to Edith Buchanan in 1918, and then Vernon E. Jump in 1927. Deed records indicate that Vernon E. Jump and Lila L. Jump acquired the properties, totaling 143-acres in 1927. The Jump family is recorded as living on a "farm" in the 1930 US Federal Census, but Jump's occupation was "accountant," so the property may not have been an active farm at that time. The individual buildings recorded on the property are detailed below. Vernon and Lila deeded the property to their son, Charles and his wife in 1966 who then sold the property to the RRL Group to be developed into the Newton Airport. See Table 1 for more detailed ownership and occupation history.

Figure 46. Architectural history survey results.

248 Stickles Pond Road, Building #1

Site Type: Building
Build Date: c. 1920s
Modifications: Window bays boarded; plywood siding added
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 47. Photograph of 248 Stickles Road, Building #1, facing north.

Figure 48. Photograph of 248 Stickles Road, Building #1, facing east

Figure 49. Photograph of 248 Stickles Road, Building #1, facing south.

Figure 50. Photograph of 248 Stickles Road, Building #1, facing west.

Site Description: 248 Stickles Road, Building #1 is a one-story barn with Masonry Vernacular style located within the APE. The building, built circa 1920s (based on historical aerials and the building's materials), has a rectangular-shaped plan and a rolled asphalt gable roof. The building is concrete block construction with wooden drop siding in its gable ends.

The main entryway of the building is on its front (east) elevation. It is set on the southern corner of the elevation and is composed of a door clad with thin vertical wood board. This elevation of the building is overgrown with vegetation, but a concrete block exterior chimney is evident extending above the roofline. The right (north) elevation has four bays. Three bays are composed of wooden multi-light windows and have been boarded over; only one 4/4 wooden window is partially visible. The remaining bay is composed of a secondary entrance. The entrance features two irregular-sized vertical board barn doors. The left (south) elevation features two boarded over window bays, and its western half has been covered with plywood siding. The rear (west) elevation has two window bays boarded over with plywood and a small fixed 6-light wooden window in its gable end. The building has a continuous concrete block foundation.

According to Sussex County Public Records, the property is currently owned by "SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC" and was acquired from "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2019. The property was previously acquired from "PRL GROUP" in 2013 and "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins and Morgan 1860). Historical research provided no additional information regarding J. Ackerman or the ownership history of the property.

Eligibility Recommendation: 248 Stickles Road, Building #1 is a one-story barn with Masonry Vernacular style, built circa 1920s with a rectangular-shaped plan. PaleoWest recommends that 248 Stickles Road, Building #1 is **not eligible for the NRHP**. 248 Stickles Road, Building #1 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style. 248 Stickles Road, Building #1 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance

248 Stickles Pond Road, Building #2

Site Type: Building
Build Date: c. 1970
Modifications: none
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 51. Photograph of 248 Stickles Pond Road, Building #2, facing south.

Figure 52. Photograph of 248 Stickles Pond Road, Building #2, facing southwest.

Figure 53. Photograph **of 248 Stickles Pond Road, Building #2, facing northwest**

Figure 54. Photograph **of 248 Stickles Pond Road, Building #2, facing north.**

Figure 55. Photograph of 248 Stickles Pond Road, Building #2, facing east.

Site Description: 248 Stickles Pond Road, Building #2, is a one-story garage with Frame Vernacular style located within the APE. The building, built c. 1970 (based on historical aerials),

has a rectangular-shaped plan and an asphalt roll front gable roof. The building is wood frame construction clad in aluminum siding and plywood.

The building's main entryway is located on its front (west) elevation. This elevation has no wall below its front gable, creating a large entry bay. The right (south) and left (north) elevations have no fenestration. The rear (east) elevation also features no fenestration. A small poured concrete foundation partially fenced with a wooden privacy fence extends from the elevation. The structure's foundation is continuous concrete.

According to Sussex County Public Records, the property is currently owned by "SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC" and was acquired from "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2019. The property was previously acquired from "PRL GROUP" in 2013 and "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins and Morgan 1860). It is likely that this building was constructed to support the Newton Airport operations shortly after being acquired from the Jump family in 1970. See Table 1 for more detailed ownership and occupation history.

Eligibility Recommendation: 248 Stickles Road, Building 32 is a one-story garage with Frame Vernacular style, built circa 1970 with a rectangular-shaped plan. PaleoWest recommends that 248 Stickles Road, Building #2 is **not eligible for the NRHP**. 248 Stickles Road, Building #2 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style. 248 Stickles Road, Building #2 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance.

248 Stickles Pond Road, Building #3

Site Type: Building
Build Date: c. 1970
Modifications: unknown
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 56. Photograph of 248 Stickles Pond Road, Building #3, - 1, facing west.

Site Description: 248 Stickles Pond Road, Building #3 is a ruinous building with no discernable style. The building, built circa 1970 (based on historical aerials), appears to have had a rectangular-shaped plan and an asphalt shingle gable roof when extant. The building was wood frame construction with no discernable cladding. No additional features are evident due to the buidling's condition.

According to Sussex County Public Records, the property is currently owned by "SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC" and was acquired from "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2019. The property was previously acquired from "PRL GROUP" in 2013 and "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins and Morgan 1860). It is likely that this building was constructed to support the Newton Airport operations shortly after being acquired from the Jump family in 1970. See Table 1 for more detailed ownership and occupation history.

Eligibility Recommendation: 248 Stickles Road, Building #3 is a one-story ruinous building with no style, built circa 1970 with a rectangular-shaped plan. PaleoWest recommends that 248 Stickles Road, Building #3 is **not eligible for the NRHP**. 248 Stickles Road, Building #3 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style. 248 Stickles Road, Building #3 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance.

248 Stickles Pond Road, Building #4

Site Type: Building
Build Date: c. 1890
Modifications: Windows altered, shed roof sunroom addition, entry porch addition, converted to residential use
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 57. Photograph of 248 Stickles Road, Building #4, facing northwest.

Figure 58. Photograph of 248 Stickles Road, Building #4, facing north.

Figure 59. Photograph of 248 Stickles Road, Building #4, facing east.

Figure 60. Photograph of 248 Stickles Road, Building #4, facing east showing detail of front entrance.

Figure 61. Photograph of 248 Stickles Road, Building #4, facing south.

Figure 62. Photograph of 248 Stickles Road, Building #4, facing west.

Site Description: 248 Stickles Pond Road, Building #4, is a two-story residential (originally barn) building with Dutch Colonial Revival style located within the APE. The building, built circa 1890 (based on historical aerial and style), has a rectangular-shaped plan and a low-pitched asphalt shingle gambrel roof. The building is wood frame construction clad in wooden shingles and wooden clapboard.

The building's main entryway is located on its front (west) elevation. The entry is located below a small front gable extension with simple square wood supports and a poured concrete entry porch. The entry is composed of a wooden panel door with a prairie-style half-light. On the first story, there are two window bays composed of 1/1 wood sash to the north of the entry and a single large vinyl sliding window to the south of the entry. There are two single and one pair of 1/1 wooden sash windows on the second story. The right (south) elevation is fenestrated with a row of eight large vinyl windows, either of the casement or slider type. The left (north) elevation is clad in wooden clapboard and has three bays. Two of these bays have been covered with plywood, and the third is composed of a 1/1 wooden sash window. The rear (east) elevation has a shed roof sunroom addition, fenestrated with large picture windows composed of a central fixed window flanked by 1/1 vinyl sash windows. A wide exterior brick chimney is located to the south of the sunroom addition, and a single 1/1 wooden sash window is located to the north of the sunroom. There are four individual window bays on the second story, composed of two 1/1 wooden sash windows, one 1/1 vinyl sash, and one 6/6 vinyl sash. The building has a central interior chimney and a continuous concrete foundation.

According to Sussex County Public Records, the property is currently owned by "SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC" and was acquired from "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2019. The property was previously acquired from "PRL GROUP" in 2013 and "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy

(Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins and Morgan 1860). It is likely that this structure is connected to the period of Ackerman occupation from the mid-19th century to the early twentieth century. See Table 1 for more detailed ownership and occupation history.

Eligibility Recommendation: 248 Stickles Road, Building #4 is a two-story single-family residence (originally a barn) with Dutch Colonial Revival style, built circa 1890 with a rectangular-shaped plan. PaleoWest recommends that 248 Stickles Road, Building #4 is **not eligible for the NRHP**. 248 Stickles Road, Building #4 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style and has been highly altered from its original appearance. 248 Stickles Road, Building #4 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance.

248 Stickles Pond Road, Building #5

Site Type: Building
Build Date: c. 1814-1823, alterations throughout late 19th C.
Dimensions/Area: unknown
Modifications: Two additions to eastern elevation, constructed pre 1956
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 63. Photograph of 248 Stickles Pond Road, Building #5, facing northeast.

Figure 64. Photograph of 248 Stickles Pond Road, Building #5, facing northeast.

Figure 65. Photograph of 248 Stickles Pond Road, Building #5, facing north.

Figure 66. Photograph of 248 Stickles Pond Road, Building #5, facing west.

Figure 67. Photograph of 248 Stickles Pond Road, Building #5, facing south.

Figure 68. Photograph of 248 Stickles Pond Road, Building #5, facing east.

Figure 69. Photograph of 248 Stickles Pond Road, Building #5 facing northeast

Figure 70. Photograph of 248 Stickles Pond Road, Building #5 facing northeast showing detailed view of stone chimney.

Figure 71. Photograph of 248 Stickles Pond Road, Building #5, facing south.

Figure 72. Photograph of 248 Stickles Pond Road, Building #5, facing southwest showing detail of rear of central addition.

Figure 73. Photograph of 248 Stickles Pond Road, Building #5, detail of east addition facing north.

Figure 74. Photograph of 248 Stickles Pond Road, Building #5, facing west.

Site Description: 248 Stickles Road, Building #5 is a two-story residential structure with Colonial Revival style located within the APE. The building was constructed and added to different time periods. The original, two-story portion was likely built circa 1820s when Zachariah Stickle Jr. owned the property (based on deeds, historical maps, and the building's style), has a rectangular-shaped plan and an asphalt shingled side gable roof with boxed eaves with returns. Three additions, dating to later in the 19th Century during the Ackerman occupation of the property, to its right (east) elevation have the same roof type and materials, with peaks at varying heights. The building is balloon wood frame construction clad in wooden shingles. The additions to the building are clad in wooden clapboard.

The main entryway of the building is on its front (south) elevation. It is located under a partial-width pedimented front-gable extension with Tuscan column supports, covering a small poured concrete entry landing. The entry is composed of a wooden panel door flanked by four-light sidelights and topped with a four-light transom. The building has four bays fenestrated with 6/6 wooden double-hung sash windows with operative wooden shutters. The front elevation of the first addition, to the east, features a fixed 20-light wooden window flanked by 10/10 wooden sash windows. A brick chimney extends from the ridge of the addition's roofline. The next addition is one story and is fenestrated with four fixed 8-light wooden sash windows. A wooden pergola extends from the addition. The last addition is fenestrated with two single 6/6 wooden sash windows with operable wooden shutters.

The building's left (west) elevation features an exterior stone chimney that extends beyond the roofline of the building. Single 6/6 wooden sash windows flank the chimney to either story and smaller single 6/6 wooden sash flank the chimney in the half story of the gable end. The first-story window to the north has been boarded over. The rear (north) elevation has two bays, fenestrated with a 6/6 wooden sash window and a plywood boarded window on its first story. There is a vinyl 6/6 sash window and a vinyl 8-light casement window topped with arched transoms on the second story. The rear elevation of the first addition features a secondary entry

composed of an exterior vinyl storm door. A large window bay is located east of the entry and is composed of at least three fixed windows. The right (east) elevation of the original massing of the building is fenestration with a single multi-light window. The first addition is also fenestrated with a single 4/4 sash window. The last, easternmost addition is fenestration with two garage bays with sectional doors. The primary massing has a stone foundation, and the additions have obscured foundations.

According to Sussex County Public Records, the property is currently owned by “SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC” and was acquired from “PUBLIC SERVICE ELECTRIC & GAS COMPANY” in 2019. The property was previously acquired from “RRL GROUP” in 2013 and “PUBLIC SERVICE ELECTRIC & GAS COMPANY” in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins 1860). See Table 1 and Background Research sections for additional land ownership and land use history.

Eligibility Recommendation: 248 Stickles Road, Building #5 is a two-story single-family residence with Colonial style, built circa 1814-1823 with a rectangular-shaped plan. PaleoWest recommends that 248 Stickles Road, Building #5 is **not eligible for the NRHP**. 248 Stickles Road, Building #5 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style. 248 Stickles Road, Building #5 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance

248 Stickles Pond Road, Building #6

Site Type: Structure
Build Date: c. 1910
Modifications: Entry door hood addition, enclosed shed pent addition to south elevation.
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 75. Photograph of 248 Stickles Road, Building 6, facing east.

Figure 76. Photograph of 248 Stickles Road, Building 6, facing north.

Figure 77. Photograph of 248 Stickles Road, Building 6, facing east.

Figure 78. Photograph of 248 Stickles Road, Building 6, facing south.

Site Description: 248 Stickles Pond Road Building #6 is a one-story structure with Colonial Revival style located within the APE. The building, built circa 1910 (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled gable roof with

exposed rafter tails in the eaves and a shed pent extension over an enclosed addition on the south elevation. The building is balloon wood frame construction clad in wooden shingles.

The main entryway of the building is on its west elevation. It is located under a shed pent door hood with simple wooden brackets. The entry is composed of a wood and glass 4-pane entry door. The building has one central bay and an addition on the south elevation. The west elevation features no window bays or other defining architectural features. The north elevation features two separate 6/6 double hung sash windows and a single 2/2 double hung sash window. The south elevation features no window bays, but does feature a single side entry door on the south-facing shed pent projection at the southeastern corner of this elevation. The east elevation of this building features no window bays or rear-entry doors but does feature a rectangular vent within the center of the gable. The foundation on this structure is continuous brick.

According to Sussex County Public Records, the property is currently owned by “SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC” and was acquired from “PUBLIC SERVICE ELECTRIC & GAS COMPANY” in 2019. The property was previously acquired form “PRL GROUP” in 2013 and “PUBLIC SERVICE ELECTRIC & GAS COMPANY” in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins and Morgan 1860). See Table 1 and Background Research sections for additional land ownership and land use history.

Eligibility Recommendation: 248 Stickles Road, Building #6 is a one-story outbuilding with Colonial Revival style, built circa 1910 with a rectangular-shaped plan. PaleoWest recommends that 248 Stickles Road, Building #6 is **not eligible for the NRHP**. 248 Stickles Road, Building #6 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style. 248 Stickles Road, Building #6 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance.

248 Stickles Pond Road, Building #7

Site Type: Structure
Build Date: c. 1960
Modifications: Aluminum siding applied to building, replacement windows installed.
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 79. Photograph of 248 Stickles Road, Building 7, facing east.

Figure 80. Photograph of 248 Stickles Road, Building 7, facing south.

Figure 81. Photograph of 248 Stickles Road, Building 7, facing north.

Figure 82. Photograph of 248 Stickles Road, Building 7, facing west.

Site Description: 248 Stickles Pond Road Building #7 is a two-story outbuilding (barn/storage) with Frame Vernacular style located within the APE. The building, built circa 1960 (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled

gambrel roof with boxed eaves. The building is wood frame construction clad in aluminum siding.

The main entryway of the building is on its west elevation. It is located under a the gambrel roof overhang. The entry itself is composed of a single sliding barn-style garage door. The building has one central open bay on the first story and a loft style floor in the second story. The west elevation features no window bays or other defining architectural features. The east elevation is obscured by overgrowth and trees, but appears to feature no window bays or rear-entry doors. The north elevation features a single rectangular attic vent in the gable peak and a central hay door on the second story. The south elevation features two small rectangular fixed-pane windows on the first story and a single, central, hay door on the second story. The foundation on this structure is obscured by vegetation overgrowth.

According to Sussex County Public Records, the property is currently owned by “SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC” and was acquired from “PUBLIC SERVICE ELECTRIC & GAS COMPANY” in 2019. The property was previously acquired form “PRL GROUP” in 2013 and “PUBLIC SERVICE ELECTRIC & GAS COMPANY” in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins and Morgan 1860). It is likely that this property dates from the period of occupation by the Vernon Jump family. See Table 1 and Background Research sections for additional land ownership and land use history.

Eligibility Recommendation: 248 Stickles Road, Building #7 is a two-story outbuilding (barn/storage) with Frame Vernacular style, built circa 1960 with a rectangular-shaped plan. PaleoWest recommends that 248 Stickles Road, Building #7 is **not eligible for the NRHP**. 248 Stickles Road, Building #7 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style. 248 Stickles Road, Building #7 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance.

248 Stickles pond Road, Building #8 – Shed

Site Type: Structure
Build Date: c. 2000s (Non-historic)
Modifications: N/A
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 83. Photograph of Building #8 - Shed, facing west.

Site Description: 248 Stickles Pond Road, Building #8 (Shed) is a non-historic one-story otubuilding (shed) with no style located within the APE. The building, built circa 2000s (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled gambrel roof. This structure has a wood frame and is clad in vertical wood siding. The main entryway on this structure is located on the east elevation and consists of a pair of wooden entry doors. There are are no window bays or doors anywhere on this building. This building has a foundation of concrete block piers.

According to Sussex County Public Records, the property is currently owned by “SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC” and was acquired from “PUBLIC SERVICE ELECTRIC & GAS COMPANY” in 2019. The property was previously acquired form “PRL GROUP” in 2013 and “PUBLIC SERVICE ELECTRIC & GAS COMPANY” in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins and Morgan 1860). See Table 1 and Background Research sections for additional land ownership and land use history.

Eligibility Recommendation: 248 Stickles Road, Building #8 (Shed) is a non-historic one-story outbuilding with no style, built circa 2000s with a rectangular-shaped plan. PaleoWest recommends that 248 Stickles Road, Building #8 is **not eligible for the NRHP**. 248 Stickles Road, Building #8 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style. 248 Stickles Road, Building #8 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance.

248 Stickles Pond Road, Structure #1 – Stone Wall

Site Type: Structure
Build Date: c. 1820s
Modifications: Unknown
NRHP Eligibility Recommendation: Individually Not Eligible

Figure 84. Photograph of Structure #1 – Stone Wall, facing southwest.

Site Description: 248 Stickles Pond Road, Structure #1 (Stone Wall) is a portion of hand-stacked stone fencing located within the APE. It is not possible to date the fence using historic aerials and topographic maps, as it does not appear on either, but it is most likely that this stone fence dates back to sometime around circa 1820 when the Stickles family were known to have utilized portions of the property for agricultural production. Several references to stone piles as survey markers are mentioed in deed records, although the exact locations of those marker are not known and descriptions are general.

This type of stone fencing is known as Dry Stone construction and is a building method by which structures are constructed from stones without any mortar to bind them together. Stone fences of this nature were most commonly constructed between late the 18th Century and the 19th Century and were especially utilized on agricultural properties to signify property lines or to boundary fields or, alternatively, as retaining walls to support terracing. These types of Dry Stone fences are common in regions with rocky soil such as New England, New York, New Jersey, and Pennsylvania.

It should be noted that the remainder of this stone fence is no longer extent, only the portion documented here.

According to Sussex County Public Records, the property is currently owned by “SERIES 2 P S A SEPARATE SERIES OF BBIS INVESTMENT 767, LLC” and was acquired from “PUBLIC

SERVICE ELECTRIC & GAS COMPANY" in 2019. The property was previously acquired form "RRL GROUP" in 2013 and "PUBLIC SERVICE ELECTRIC & GAS COMPANY" in 2012 (Sussex County Land Records 2021). Research indicates that a portion of the property is currently occupied by the New Jersey Forest Fire Service and the Andover Flight Academy (Andover Flight Academy 2021; County New Jersey State Park Service 2021a; County Office 2021; Newton New Jersey 2021; Wright 2021). An 1860 map of Sussex County depicts the land west of Stickles Pond, in the vicinity of the property, as owned by J. Ackerman (Hopkins and Morgan 1860). See Table 1 and Background Research sections for additional land ownership and land use history.

Eligibility Recommendation: 248 Stickles Road, Structure #1 is a portion of hand-stacked stone fence, built circa 1860. PaleoWest recommends that 248 Stickles Road, Structure 1 is **not eligible for the NRHP**. 248 Stickles Road, Structure #1 does not meet criteria A or B, as no significant historical associations were determined. It is not eligible under criterion C, as the building is not an exemplary or unique sample of its style. 248 Stickles Road, Structure #1 is not eligible under criterion D, as it does not possess the potential to provide further information of historical importance.

INTERPRETATIONS

Archaeology

Field Sites A, B, and C were encountered near the southeastern corner of the APE, in close proximity to Buildings 1–8 associated with the Stickle-Ackerman Farmstead. The three sites are low to moderate-density artifact scatters. Field Site A was found in close proximity to Buildings 5, 6, and 7. Field Site C was encountered in close proximity to Buildings 1 and 2. Field Site B was not found in close proximity to any of the standing structures. Field Sites A and B are also associated with surface scatters of modern debris, including architectural material and domestic items like bathtubs, toilets, and electric lamps. Units TU3 and TU4 at Field Site A contained artifacts consistent with a 19th and 20th century household debris, but no features or intact cultural deposits were identified (Figure 89, Figure 90). Unit 5 at Field Site B evidenced modern and historic dumping activities with excessive disturbance from bioturbation (Figure 91). Units 6 and 7 in Field Site C identified no features or intact cultural deposits and evidenced disturbance from fill layers and root bioturbation (Figure 92, Figure 93).

The sites recorded during this survey are domestic artifact scatters that date from the late 1800s through the twentieth century. Artifacts were generally collected to depths of 35 cm bgs (Figure 85- Figure 88). This is broadly consistent with the use period of the recorded farmstead in the period of occupation of the Ackerman family. The artifact types recovered from these sites are reliable for determining a temporal association and provide a reasonable *terminus post quem* of the late 1800s. The artifact diversity at all three sites is low. Most of the recovered artifacts consist of Kitchen Group material (*sensu* South 1977). Further excavation at these sites has the potential to further refine their temporal association, but their research potential is otherwise extremely limited (NRHP Criterion D). The sites are not associated with events or persons significant to broad patterns of history (Criteria A and B).

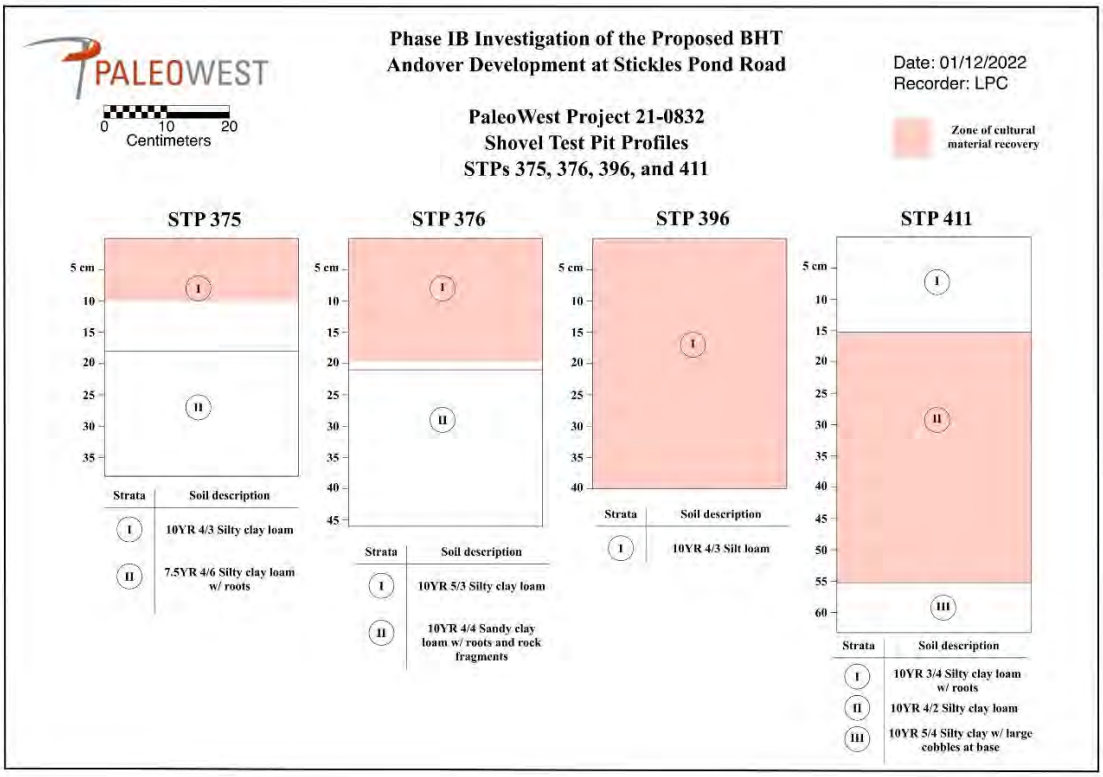


Figure 85. Profiles of STPs 375, 376, 396, 411

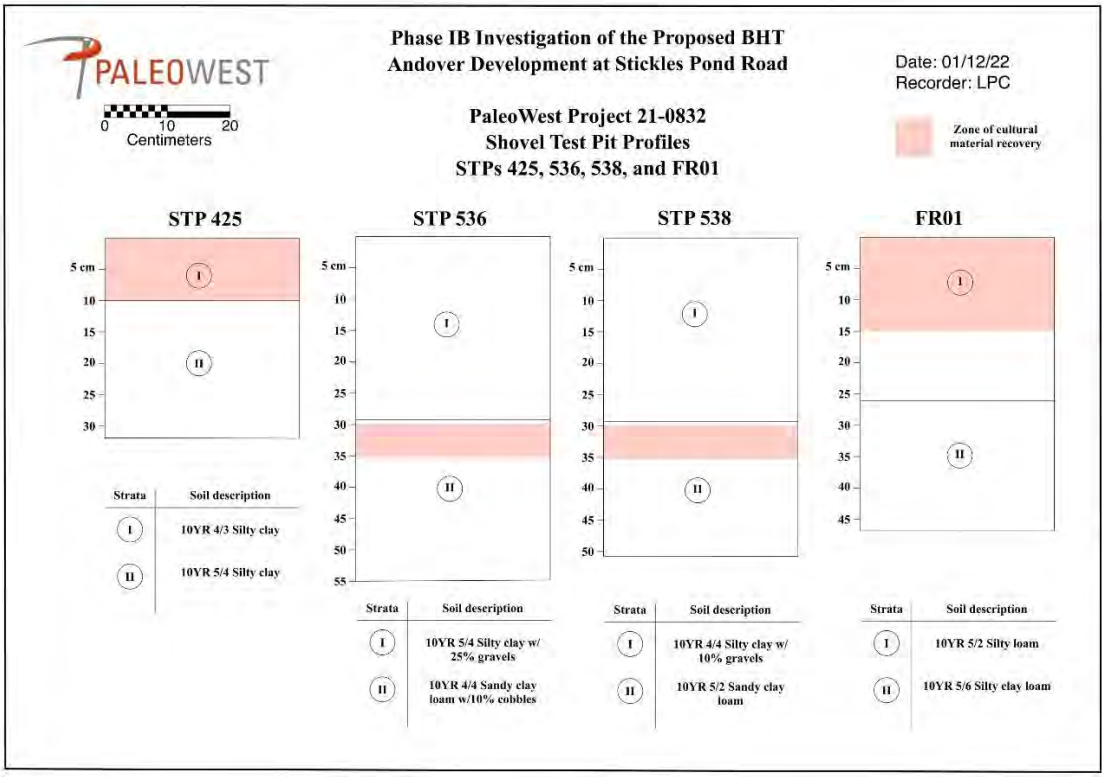


Figure 86. Profiles of STPs 425, 536, 538, FR01

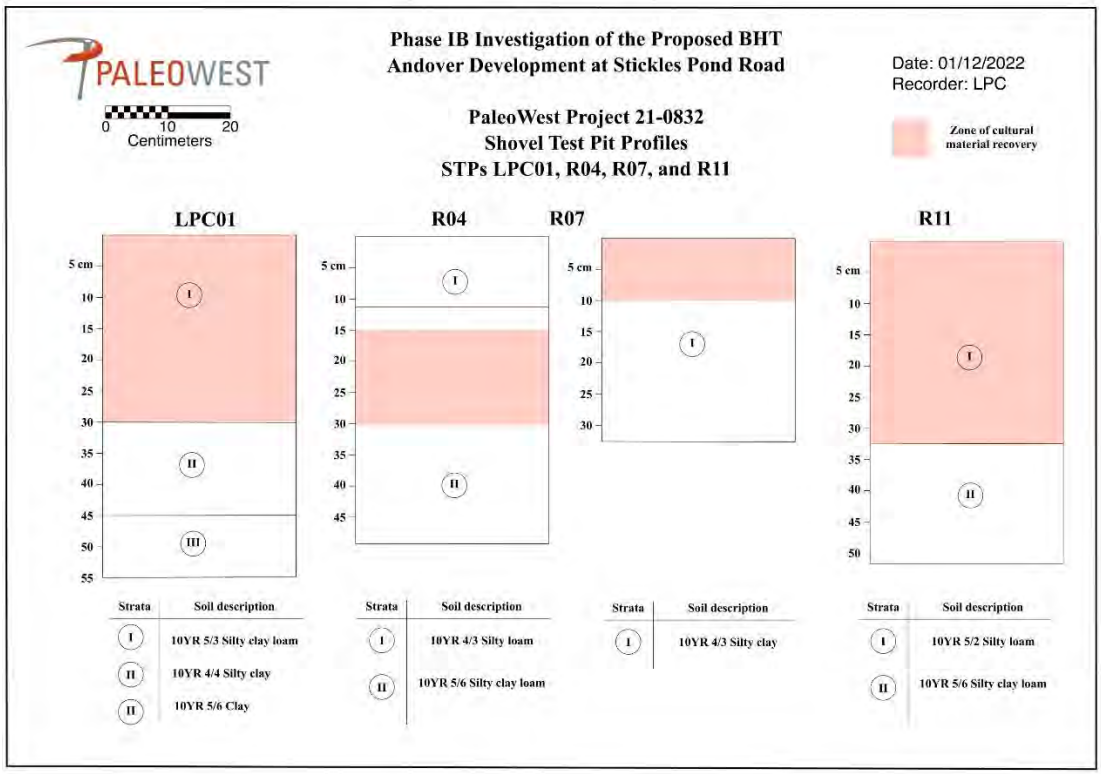


Figure 87. Profiles of STPs LPC01, R04, R07, and R11

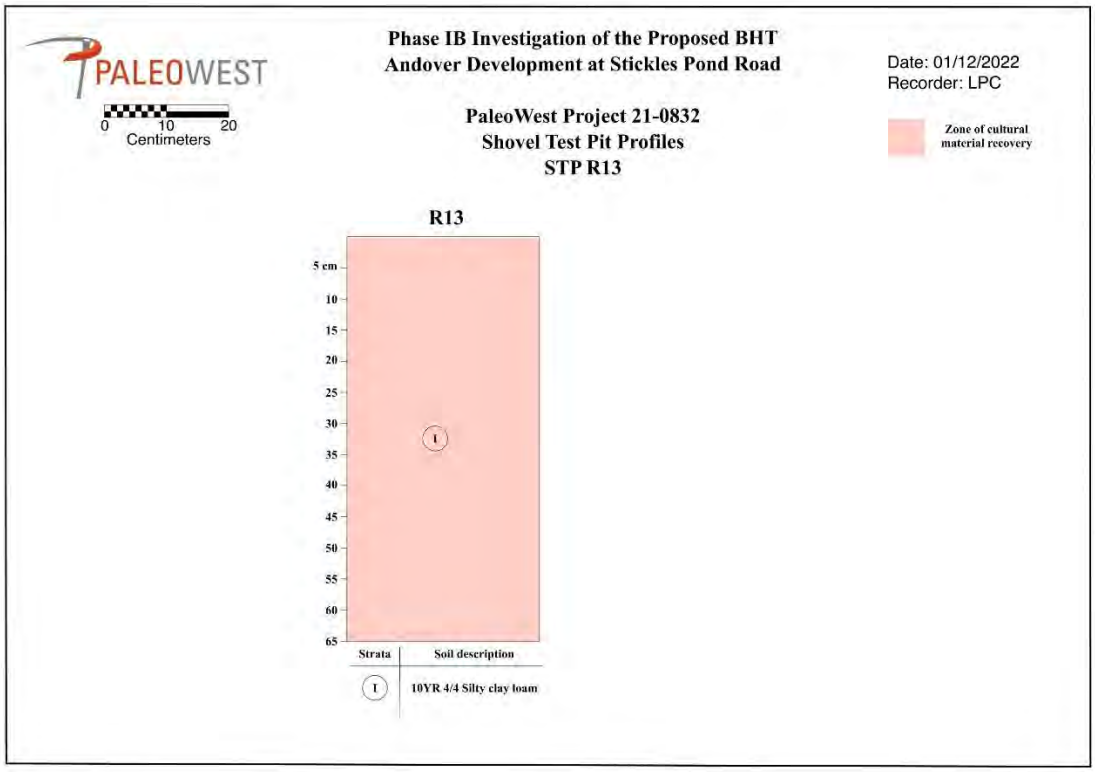


Figure 88. Profile of STP R13

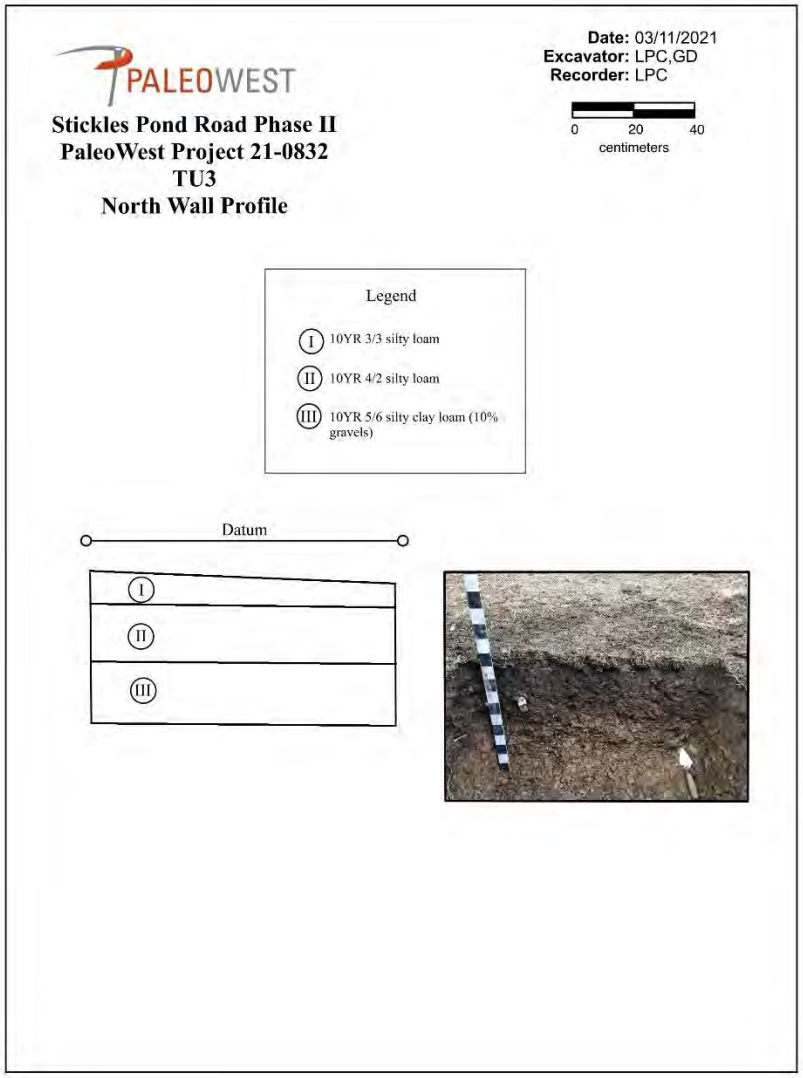


Figure 89. TU3 North Profile, Field Site A.

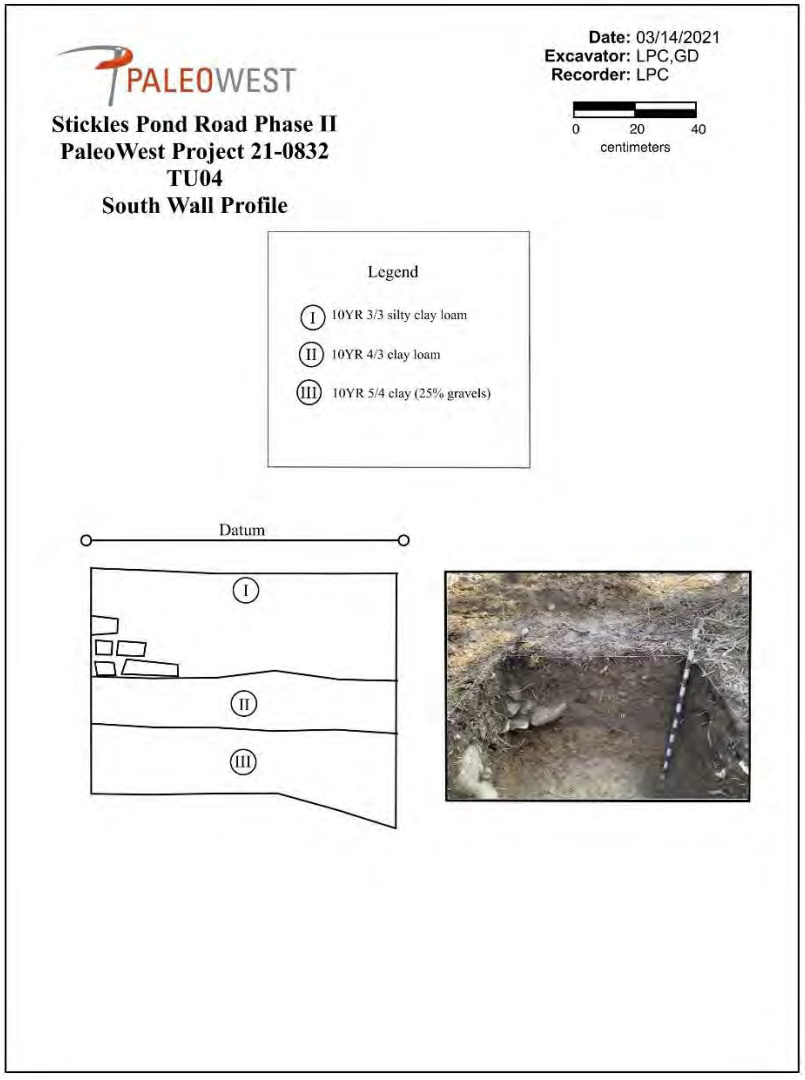


Figure 90. TU4 South Profile, Field Site B.

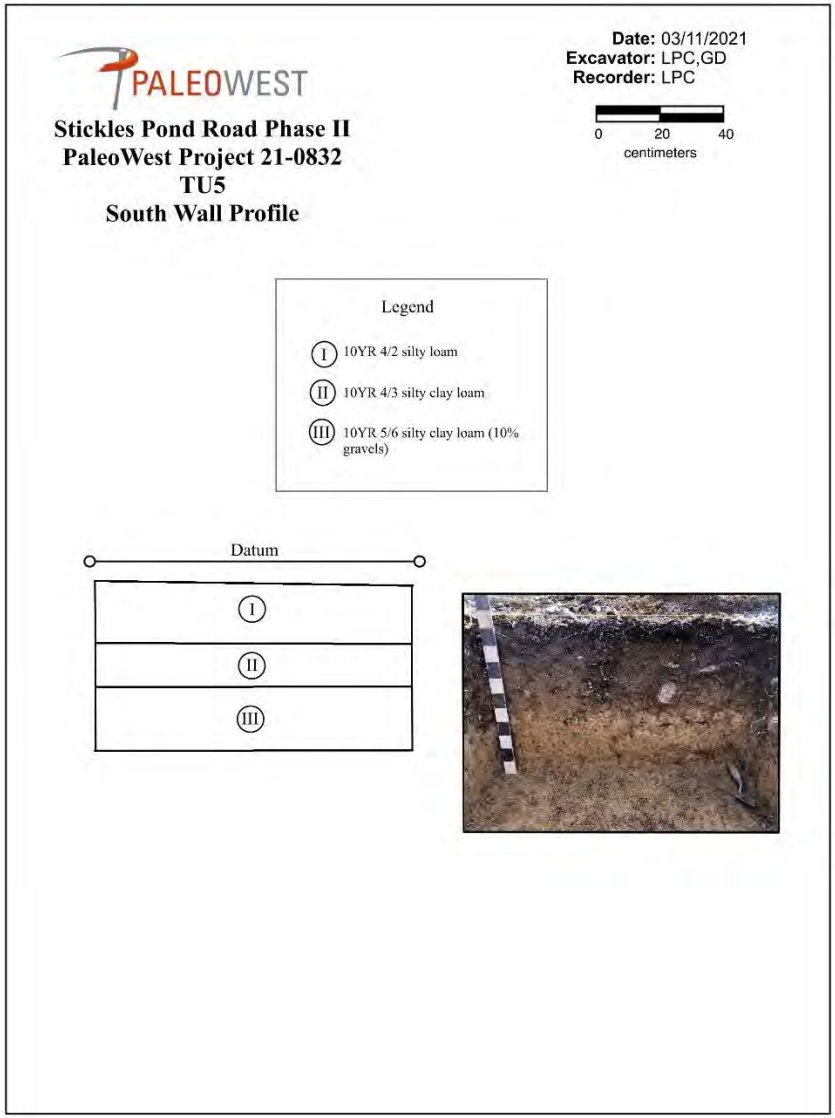


Figure 91. TU5 South Profile, Field Site B.

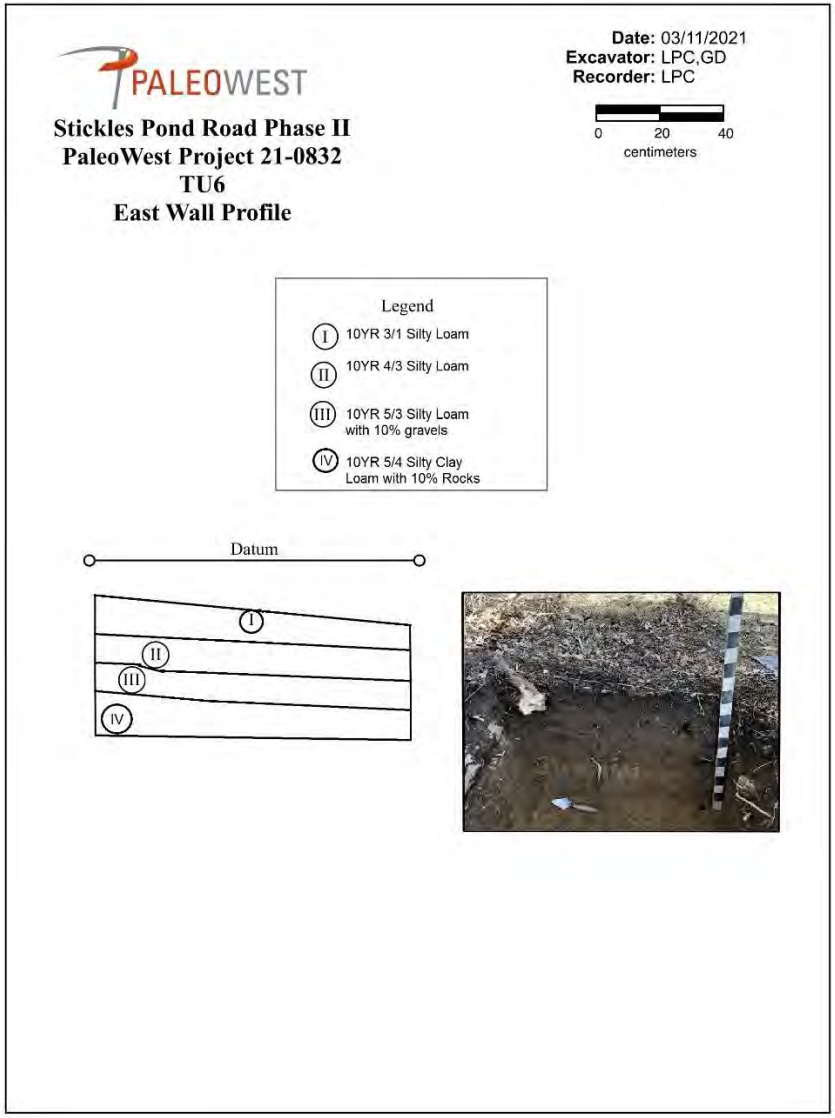


Figure 92. TU6 East Profile, Field Site C.

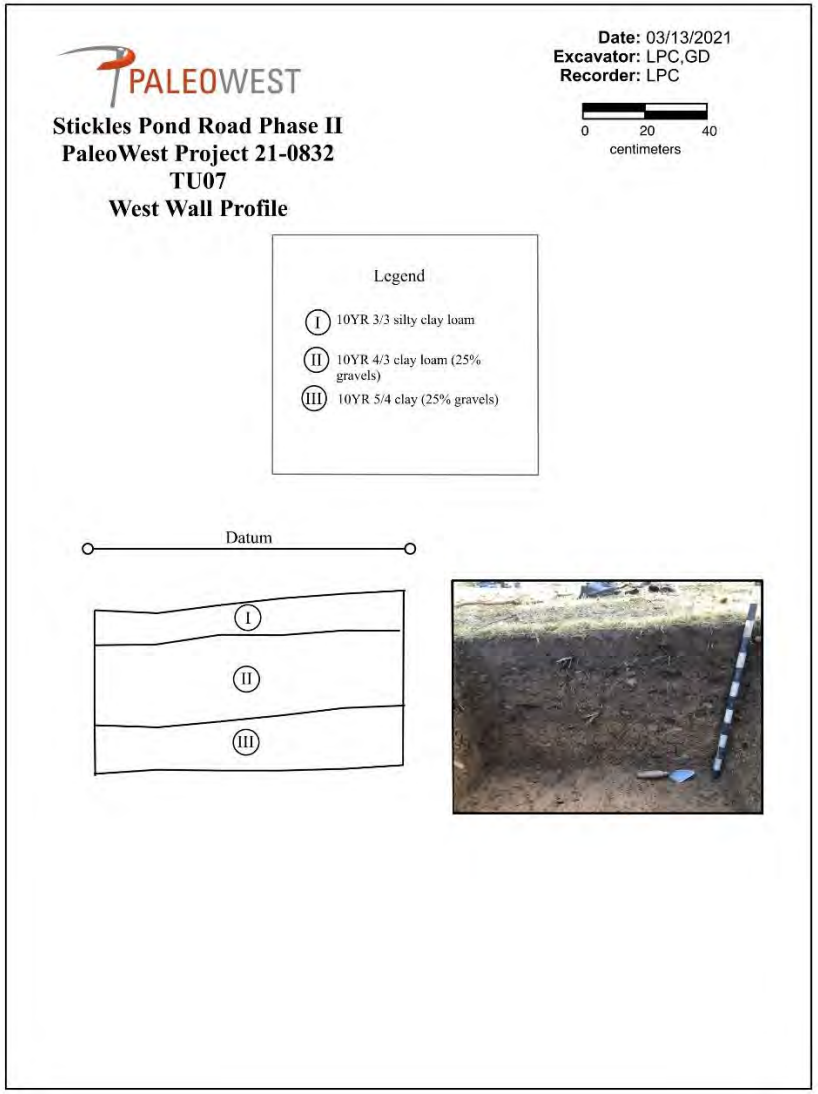


Figure 93. TU7 West Profile, Field Site C.

Architecture

The seven historic buildings recorded on the subject property are generally in a state of disrepair and are currently unoccupied. Five of the seven buildings are a vernacular, utilitarian style with no significant associations and are therefore recommended as ineligible for listing on the NRHP (Buildings 1, 2, 3, 6, and 7). These do not fall into the 19th century period of significance for the Stickle-Ackerman Farmstead.

Building 4 dates to c. 1890 at the time of the Ackerman occupation of the property. The structure was originally built as a Dutch Colonial Revival style barn and was later converted to residential use. The building is highly altered with modern windows, a shed roof sunroom addition, and an entry porch addition. Building 4 has no significant associations and retains little historic integrity, and is therefore recommended as ineligible for listing on the NRHP.

Building 5 has an original construction date in the range of 1814 to 1823. It is indicated on a map from 1823 and may potentially be the “dwelling” referenced in a deed following Zachariah Stickles Jr.’s death. The original two-story portion of the residence was constructed during Zachariah Stickles Jr.’s occupation of the property, circa 1820s. Several additions and alterations have been made to the Colonial Revival style building over time. Two additions to eastern elevation were constructed between the late 19th century and 1956. The asphalt shingle roof and vinyl windows are modern replacements.

Units TU1 and TU2 were excavated along the southern edge of Building 5 in an effort to identify any features or intact cultural deposits that would inform on the building’s eligibility. TU1 contained a dry stacked stone feature on the northwestern side of the unit in stratum 2 (Figure 94). The stones appear to be tumbled and may be from a disassembled former building element. TU2 contained a linear stone and brick feature in the northern half of the unit closest to the building. The feature consisted of three tiers: a top layer of slate and stone slabs, two parallel rows of bricks separate by a gap running underneath, and mortar and slate slabs at the bottom. It likely served as a drain running alongside the residence. The feature was found in association with kitchen debris. The artifacts and features recorded during excavation are consistent with a typical early 19th to 20th century residential context. Together, TU1 and TU2 constitute Field Site D.

The date of construction ties Building 5 to the Stickle family, who were early settlers in Andover. Zachariah Stickles Jr. was a farmer who had no particular distinction of significance in the local or national history. Building 5 has no significant associations and retains little historic integrity, and is therefore recommended as ineligible for listing on the NRHP. The seven buildings in the project area do not share a cohesive style, built date, or use period and therefore do not constitute a district.

Figure 94. Detail of stones in TU1, western profile.

Figure 95. Potential drain feature in TU2.

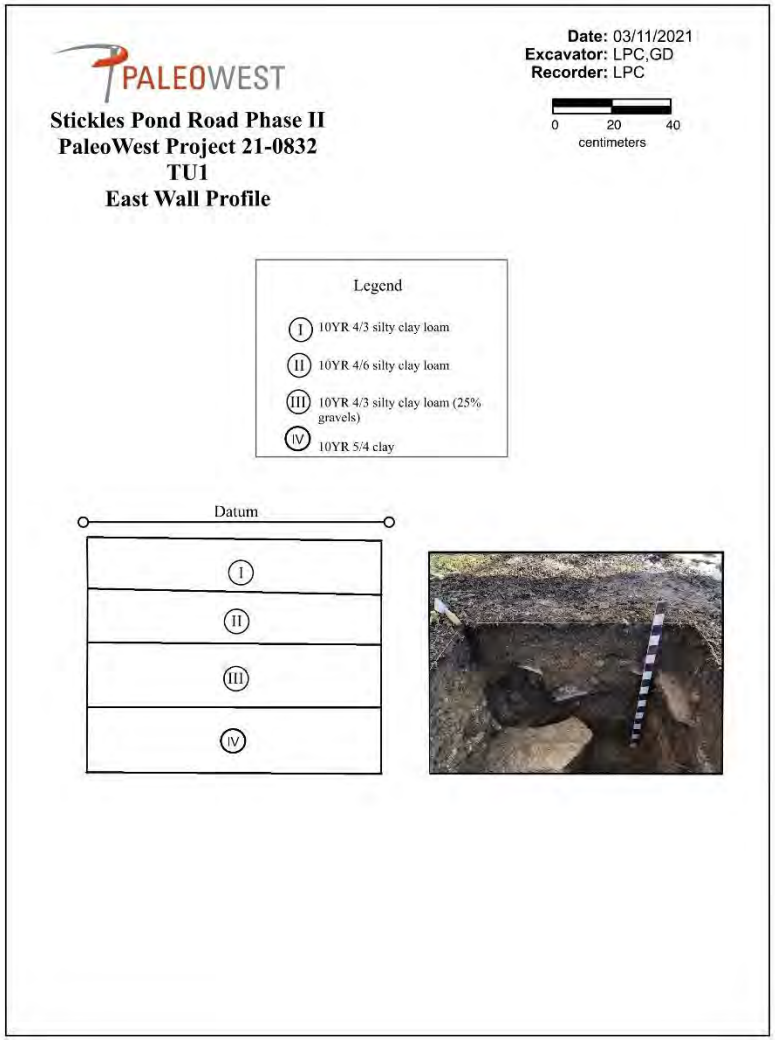


Figure 96. TU1 East Profile

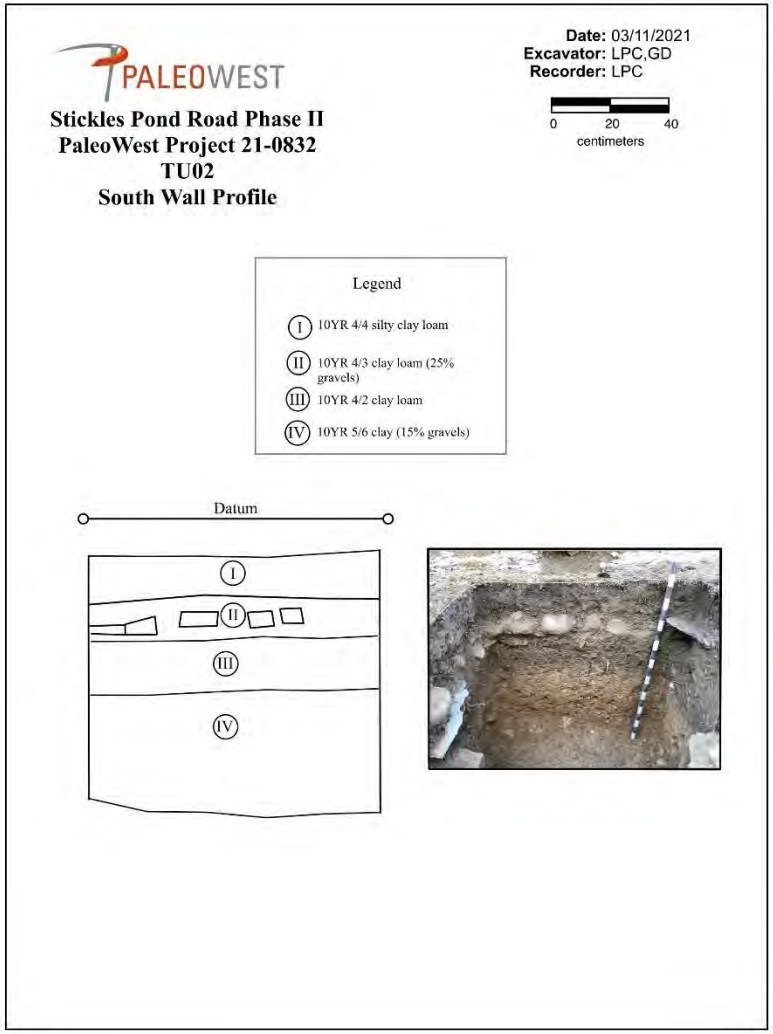


Figure 97. TU2 South Profile

RECOMMENDATIONS

Chrysalis and PaleoWest completed a Phase IA and IB survey in advance of the proposed redevelopment of the former Newton Airport into a construction equipment and material storage facility.

PaleoWest conducted subsurface testing throughout the APE. Phase IB investigations consisted of a pedestrian survey of these portions of the APE at a 3 m transect interval and 832 shovel test pits (STPs) pre-plotted at 15 m (50 ft) intervals. A total of 750 pre-plotted tests were excavated. A total of 83 pre-plotted STPs were precluded from excavation due to slope or wetland conditions. Historic artifacts were recovered from seven pre-plotted STPs. The positive STPs were delineated at 7.5 m intervals in cardinal directions. A total of 49 delineation STPs were laid out, for an overall total of 881 STPs. 19 STPs contained cultural material. PaleoWest excavated 7 test units, measuring 1x1m in areas of high artifact concentration.

The Phase IB survey resulted in the documentation of four new archaeological sites, and a historic farmstead consisting of seven historic buildings, one modern building, and one historic fieldstone wall. Three field sites, A, B, and C, consist of low to moderate density historic artifact scatters. These scatters appear to be associated with the farmstead located along the southeastern edge of the APE. Field Site D is a moderately dense historic site with potentially intact features. While the historic buildings on the farmstead date between circa 1814 and 1970, they possess no particular historic or stylistic significance and have been largely altered over time. The artifacts found in their vicinity are consistent with late-nineteenth and early-twentieth century household debris. PaleoWest recommends that the three field sites A-C are potentially ineligible for NRHP-listing and the seven historic buildings are recommended ineligible for listing on the NRHP. Field Site D requires further investigation to determine its eligibility. The Phase IA and IB archaeological surveys established that the proposed action should have **no effect** on cultural resources eligible for the State Register or National Register of Historic Places across the majority of the APE. However; PaleoWest recommends **additional archaeological investigation** around Building 5 Field Site D within the APE. Phase II investigations may be necessary to confirm the eligibility status of this resource.

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Appendix A.
Artifact Catalog

Field Site Association	STP Number	Stratum: Recovery Depth (cm)	Material Type	Description	Count
C	**375**	I: 0-10	CERAMIC, HISTORIC	whiteware, undecorated	1
C	**376**	I: 0-20	CERAMIC, HISTORIC	whiteware, undecorated	3
C	**376**	I: 0-20	CERAMIC, HISTORIC	porcelain, decorated	1
C	**376**	I: 0-20	GLASS	Colorless glass, mouthblown, vessel, body	1
C	**376**	I: 0-20	GLASS	colorless glass, medicine type, base and body	3
C	**376**	I: 0-20	GLASS	aqua glass, body	1
C	**376**	I: 0-20	GLASS	colorless glass, flat	2
C	**376**	I: 0-20	GLASS	colorless glass, flat or vessel unknown	1
C	**376**	I: 0-20	METAL	metal plate with two rivets	1
A	**396**	I: 0-40	METAL	Nail, square	1
A	**396**	I: 0-40	CERAMIC, HISTORIC	porcelain, undecorated	1
A	**396**	I: 0-40	CERAMIC, HISTORIC	possible white granite, embossed pattern	1
A	**396**	I: 0-40	GLASS	colorless glass, vessel, body	1
A	**411**	II: 15-55	GLASS	milk glass, body	4
A	**411**	II: 15-55	GLASS	colorless glass, vessel, neck and lip, screw top	2
A	**411**	II: 15-55	GLASS	colorless glass, vessel, body	5
A	**411**	II: 15-55	GLASS	colorless glass, vessel, liquor bottle type, body and base	2
A	**411**	II: 15-55	GLASS	colorless glass, vessel, liquor bottle type, body and base	1
A	**411**	II: 15-55	GLASS	colorless glass, vessel, body, linear embossed lines	4
A	**411**	II: 15-55	GLASS	colorless glass, flat	1
A	**411**	II: 15-55	CERAMIC, HISTORIC	whiteware, undecorated	2
A	**411**	II: 15-55	CERAMIC, HISTORIC	whiteware, undecorated	2
A	**411**	II: 15-55	CERAMIC, HISTORIC	whiteware, decorated	1
A	**411**	II: 15-55	METAL	Metal wheel housing with ceramic wheel	1
A	**411**	II: 15-55	METAL	Nail, wire cut	3
A	**411**	II: 15-55	METAL	Nail, roofing	1
A	**411**	II: 15-55	METAL	Nail, possible square, heavily corroded	1
A	**411**	II: 15-55	METAL	Miscellaneous metal pieces	3
A	**411**	II: 15-55	FAUNAL BONE	cut bone	1
A	**411**	II: 15-55	BUILDING MATERIALS	brick with mortar	1
B	**425**	I/II: 0-32	CERAMIC, HISTORIC	Possible cream ware, body, undecorated	16
B	**425**	I/II: 0-32	CERAMIC, HISTORIC	Possible cream ware, rim, undecorated	1
B	**425**	I/II: 0-32	CERAMIC, HISTORIC	Possible cream ware, base, undecorated	2
B	**425**	I/II: 0-32	CERAMIC, HISTORIC	whiteware, body, undecorated	2
B	**425**	I/II: 0-32	GLASS	amber glass, flat, undecorated	1
B	**425**	I/II: 0-32	GLASS	aqua glass, vessel, body, undecorated	1
B	**425**	I/II: 0-32	GLASS	aqua glass (lightly tinted), flat, undecorated	6
B	**425**	I/II: 0-32	GLASS	milk glass, body	1
B	**425**	I/II: 0-32	GLASS	rose glass, vessel, body	3
B	**425**	I/II: 0-32	GLASS	rose glass, rim, decorated	1
B	**425**	I/II: 0-32	GLASS	colorless glass, vessel, body, undecorated	19
B	**425**	I/II: 0-32	GLASS	colorless glass, vessel, body, decorated	1
B	**425**	I/II: 0-32	GLASS	colorless glass, flat	4
B	**425**	I/II: 0-32	CERAMIC, HISTORIC	whiteware, rim, gold-gilded	1
B	**425**	I/II: 0-32	METAL	wire cut nail	2
B	**425**	I/II: 0-32	METAL	UID metal piece	1
Isolated Find	**536**	II: 30-35	CERAMIC, HISTORIC	whiteware, body, decorated	1
Isolated Find	**538**	II: 30-35	GLASS	colorless glass, vessel, body	3
C	**FR01**	I: 0-15	METAL	square nail	1
C	**FR01**	I: 0-15	GLASS	deep blue-green glass, vessel, thick, body, mouth blown	1

Field Site Association	STP Number	Stratum: Recovery Depth (cm)	Material Type	Description	Count
C	**FR01**	I: 0-15	GLASS	aqua glass (lightly tinted), flat, undecorated	1
C	**R04**	II: 15-30	GLASS	aqua glass (lightly tinted), flat, undecorated	4
C	**R04**	II: 15-30	METAL	nail, heavily corroded, type unknown	1
C	**R04**	II: 15-30	CERAMIC, HISTORIC	terra cotta, body	2
C	**R04**	II: 15-30	CERAMIC, HISTORIC	Pearlware, printed underglaze, exotic motif on exterior	1
C	**R04**	II: 15-30	GLASS	colorless glass, vessel, undecorated	1
B	**R07**	I: 0-10	GLASS	colorless glass, vessel, body, undecorated	2
B	**R07**	I: 0-10	GLASS	colorless glass, vessel, body, decorated	1
A	**R11**	I: 0-32	CERAMIC, HISTORIC	whiteware, body, undecorated	7
A	**R11**	I: 0-32	CERAMIC, HISTORIC	whiteware, rim, undecorated	1
A	**R11**	I: 0-32	CERAMIC, HISTORIC	whiteware, base, undecorated	2
A	**R11**	I: 0-32	METAL	Shotgun shell - Winchester Repeater	1
A	**R11**	I: 0-32	GLASS	colorless glass, vessel, undecorated	1
A	**R13**	I: 0-65	CERAMIC, HISTORIC	pearlware, shell edge, rim	1
A	**R13**	I: 0-65	CERAMIC, HISTORIC	whiteware, body, undecorated	1
A	**R13**	I: 0-65	GLASS	aqua glass (lightly tinted), flat, undecorated	2
A	**R13**	I: 0-65	GLASS	Rose colored glass, base, decorated	1
A	**R13**	I: 0-65	GLASS	colorless glass, vessel, body, undecorated	1
A	**R13**	I: 0-65	GLASS	colorless glass, bottle, lip and neck	1
A	**R13**	I: 0-65	METAL	square nail	7
A	**R13**	I: 0-65	METAL	square nail, clinched	2
A	**R13**	I: 0-65	METAL	screw	1
A	**R13**	I: 0-65	METAL	wire cut nail	2
A	**LPC01**	I: 0-30	CERAMIC, HISTORIC	whiteware, body, undecorated	1
A	**LPC01**	I: 0-30	CERAMIC, HISTORIC	redware, drainage pipe	1
A	**LPC01**	I: 0-30	CERAMIC, HISTORIC	square nail	1
A	**LPC01**	I: 0-30	METAL	can lid fragment	1
A	**LPC01**	I: 0-30	METAL	Miscellaneous metal piece	1
A	**LPC01**	I: 0-30	METAL	large bolt	1

Building 4	**STP P2.02, 0-20 cmbs**	**FAUNAL BONE**	**Unknown faunal bone, likely long bones, no cut marks**	**4**
Building 4	STP P2.02, 0-20 cmbs	FAUNAL BONE	Unknown faunal bone, cut marks	4
Building 4	STP P2.02, 0-20 cmbs	METAL	Metal can lid fragment	2
Building 4	STP P2.02, 0-20 cmbs	METAL	Nail, possibly square	1
Building 4	STP P2.02, 0-20 cmbs	BUILDING MATERIALS	Rubber, unknown use	1
Building 5	STP P2.06, 0-20 cmbs	METAL	Nail, severely corroded	1
Building 5	STP P2.06, 0-20 cmbs	BUILDING MATERIALS	Plaster	1
Building 5	STP P2.07, 0-35 cmbs	FAUNAL BONE	Unknown faunal long bone	1
Building 5	STP P2.07, 0-35 cmbs	CERAMIC, HISTORIC	Whiteware, fragment, decorated	1
Building 5	STP P2.07, 0-35 cmbs	CERAMIC, HISTORIC	Creamware, fragment, non-decorated	1
Building 5	STP P2.07, 0-35 cmbs	CERAMIC, HISTORIC	Redware, fragment, red glaze	1
Building 5	STP P2.07, 0-35 cmbs	CERAMIC, HISTORIC	terra cotta, non-decorated	1
Building 5	STP P2.07, 0-35 cmbs	GLASS	Flat glass, light blue tint	14
Building 5	STP P2.07, 0-35 cmbs	METAL	Nail, square cut	2
Building 5	STP P2.07, 0-35 cmbs	METAL	unknown metal piece	1
Building 5	STP P2.08, 0-25 cmbs	CERAMIC, HISTORIC	creamware, fragment, decorated	1
Building 5	STP P2.08, 0-25 cmbs	CERAMIC, HISTORIC	Pearlware, fragment, non-decorated	2
Building 5	STP P2.08, 0-25 cmbs	METAL	Nail, square cut	1
Building 5	STP P2.08, 0-25 cmbs	METAL	Nail, wire cut	1
Building 5	STP P2.10, 0-27 cmbs	CERAMIC, HISTORIC	Redware, black glaze	1
Building 5	STP P2.10, 0-27 cmbs	CERAMIC, HISTORIC	Redware, red-orange glaze	1

Building 5	STP P2.10, 0-27 cmbs	CERAMIC, HISTORIC	Whiteware, non-decorated	1
Building 5	STP P2.10, 0-27 cmbs	CERAMIC, HISTORIC	Whiteware, non-decorated	1
Building 5	STP P2.10, 0-27 cmbs	CERAMIC, HISTORIC	Whiteware, non-decorated	1
Building 5	STP P2.10, 0-27 cmbs	CERAMIC, HISTORIC	Pearlware, decorated	1
Building 5	STP P2.10, 0-27 cmbs	CERAMIC, HISTORIC	Pearlware, non-decorated	1
Building 5	STP P2.10, 0-27 cmbs	GLASS	Flat glass, blue-green tine	1
Building 5	STP P2.10, 0-27 cmbs	GLASS	Flat glass, light blue tint	1
Building 5	STP P2.10, 0-27 cmbs	GLASS	Flat glass, colorless	2
Building 5	STP P2.10, 0-27 cmbs	GLASS	Vessel glass, body, olive-green, manufacturing striations	1
Building 5	STP P2.10, 0-27 cmbs	METAL	Nail, square cut	5
Building 5	STP P2.10, 0-27 cmbs	METAL	Nail, wire cut	3
Building 5	STP P2.10, 0-27 cmbs	METAL	Nail, severely corroded, unknown type	2
Building 5	STP P2.10, 0-27 cmbs	METAL	Unknown metal piece	1
Building 5	STP P2.10, 27-53 cmbs	CERAMIC, HISTORIC	Redware, black glaze	1
Building 5	STP P2.10, 27-53 cmbs	CERAMIC, HISTORIC	Redware, black glaze	1
Building 5	STP P2.10, 27-53 cmbs	CERAMIC, HISTORIC	Redware, black/ dark brown glaze	1
Building 5	STP P2.10, 27-53 cmbs	CERAMIC, HISTORIC	whiteware, polychrome floral	1
Building 5	STP P2.10, 27-53 cmbs	CERAMIC, HISTORIC	Whiteware, non-decorated	1
Building 5	STP P2.10, 27-53 cmbs	CERAMIC, HISTORIC	Pearlware, embossed floral pattern	1
Building 5	STP P2.10, 27-53 cmbs	CERAMIC, HISTORIC	Pearlware, non-decorated	1
Building 5	STP P2.10, 27-53 cmbs	CERAMIC, HISTORIC	Creamware, multichambered slip	1
Building 5	STP P2.10, 27-53 cmbs	METAL	Nail, square cut	1
Building 5	STP P2.10, 27-53 cmbs	METAL	Unknown metal piece	2
Building 5	TU01, 5-28 cmbd, level 1	FAUNAL BONE	Cut bone, unknown species	1
Building 5	TU01, 5-28 cmbd, level 1	CERAMIC, HISTORIC	Terra cotta, non-decorated	1
Building 5	TU01, 5-28 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, blue decoration	1
Building 5	TU01, 5-28 cmbd, level 1	CERAMIC, HISTORIC	Creamware, non-decorated	1
Building 5	TU01, 5-28 cmbd, level 1	CERAMIC, HISTORIC	Yellow ware, non-decorated	1
Building 5	TU01, 5-28 cmbd, level 1	GLASS	Flat glass, light blue tint	9
Building 5	TU01, 5-28 cmbd, level 1	METAL	Nail, square cut	13
Building 5	TU01, 5-28 cmbd, level 1	METAL	Nail, wire cut	2
Building 5	TU01, 5-28 cmbd, level 1	METAL	Nail, roofing	1
Building 5	TU01, 5-28 cmbd, level 1	METAL	Unknown metal piece, possible severely corroded coin	1
Building 5	TU01, 5-28 cmbd, level 1	OTHER	Button, plastic	1
Building 5	TU01, 28-44 cmbd, level 2	FAUNAL BONE	Long bones, no evident cut marks, unknown species	2
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Redware, reddish yellowish brown glaze	1
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Redware, reddish yellowish brown glaze	2
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Redware, yellowish brown glaze	1
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Redware, black glaze	1
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Redware, unglazed	1
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, non-decorated	6
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, dark brown transfer print	4
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, light blue transfer print	1
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, green and red dot pattern	1

Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Creamware, non-decorated	1
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Pearlware, cobalt blue decoration	3
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Pearlware, cobalt blue decoration	3
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Pearlware, non-decorated	2
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Pearlware, non-decorated	1
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Porcelain, non-decorated	1
Building 5	TU01, 28-44 cmbd, level 2	CERAMIC, HISTORIC	Unknown ceramic type, light grayish blue glaze	3
Building 5	TU01, 28-44 cmbd, level 2	METAL	Nail, square cut	2
Building 5	TU01, 28-44 cmbd, level 2	BUILDING MATERIALS	Mortar Sample	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown with yellow slip	2
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish yellowish brown with yellow slip	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Redware, unglazed	10
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Redware, unglazed, fire affected exterior surface	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Redware, unglazed, unrefined	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, small blue decoration along rim edge	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, non-decorated	2
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, green and red dot pattern	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, polychrome decoration	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, polychrome decoration	1
Building 5	TU01, 44-69 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, non-decorated	2
Building 5	TU01, 44-69 cmbd, level 3	METAL	Nail, square cut	2
Building 5	TU01, 44-69 cmbd, level 3	METAL	Unknown metal piece	1
Building 5	TU01, 44-69 cmbd, level 3	BUILDING MATERIALS	Mortar Sample	1
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Redware, black glaze	1
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, non-decorated	1
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, hand painted polychrome	1
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Pearlware, hand painted chinoiserie	1
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Pearlware, green molded edge	1
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Creamware, non-decorated	1
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Creamware, non-decorated	2
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Ironstone china with partial makers mark	1
Building 5	TU02, 5-26 cmbd, level 1	CERAMIC, HISTORIC	Unknown ceramic type	1
Building 5	TU02, 5-26 cmbd, level 1	GLASS	Flat glass, light blue tint	17
Building 5	TU02, 5-26 cmbd, level 1	GLASS	Flat glass, colorless	1
Building 5	TU02, 5-26 cmbd, level 1	GLASS	Vessel glass, colorless	2
Building 5	TU02, 5-26 cmbd, level 1	METAL	Unknown metal piece - possibly decorative	1
Building 5	TU02, 5-26 cmbd, level 1	METAL	Nail, wire cut	1
Building 5	TU02, 26-43 cmbd, level 2	FAUNAL BONE	Long bone, no evidence of butchering	2
Building 5	TU02, 26-43 cmbd, level 2	CERAMIC, HISTORIC	Redware, dark reddish brown glaze	1
Building 5	TU02, 26-43 cmbd, level 2	CERAMIC, HISTORIC	Redware, dark reddish brown glaze	1
Building 5	TU02, 26-43 cmbd, level 2	CERAMIC, HISTORIC	Redware, dark reddish brown with yellow slip	1
Building 5	TU02, 26-43 cmbd, level 2	CERAMIC, HISTORIC	Redware, dark brown glaze	1

Building 5	TU02, 26-43 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, dark brown glaze with raised white slip	1
Building 5	TU02, 26-43 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, colorless glaze with raised blue slip	1
Building 5	TU02, 26-43 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, partial black decoration	1
Building 5	TU02, 26-43 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, non-decorated	2
Building 5	TU02, 26-43 cmbd, level 2	GLASS	Flat glass, light blue tint	1
Building 5	TU02, 26-43 cmbd, level 2	METAL	unknown metal piece	2
Building 5	TU02, 26-43 cmbd, level 2	BUILDING MATERIALS	Brick fragment	1
Building 5	TU02, 26-43 cmbd, level 2	OTHER	Button, plastic	1
Building 5	TU02, 43-75 cmbd, level 3	FAUNAL BONE	Bone, no evidence of butchering	12
Building 5	TU02, 43-75 cmbd, level 3	FAUNAL BONE	Faunal Teeth	3
Building 5	TU02, 43-75 cmbd, level 3	FAUNAL BONE	Faunal claw	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, dark reddish brown glaze, largely intact	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, dark reddish brown glaze	7
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze	6
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze, high gloss	3
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, black glaze	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, black glaze	4
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown with dark brown speckling	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze with band of luster glaze	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze with luster glaze	3
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, yellowish brown glaze with dark brown	2
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze, some deteriorated	3
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown with dark brown speckling	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish yellowish brown glaze	13
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze with yellow slip	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze with yellow slip	2
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Redware, unglazed	9
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Stoneware, black glaze, pock marked on exterior surface	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, blue transfer print	28
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, unidentified blue decoration	3
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, floral embossed pattern, yellow and blue	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, blue molded edge	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, green molded edge	4
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, green molded edge	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, non-decorated	2
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, non-decorated	13
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, unidentified blue and reddish brown	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, floral polychrome pattern, green and blue	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, variegated marbling	5
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, blue transfer print	3
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Embossed Rockingham, buff	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pearlware, unidentified banding	2
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, unidentified pattern	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Creamware, undecorated	4

Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, sprig pattern	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, red transfer print	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Whiteware, yellow floral pattern	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Porcelain, non-decorated	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pipe stem, embossed dot pattern on distal end	1
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pipe stem, non-decorated	3
Building 5	TU02, 43-75 cmbd, level 3	CERAMIC, HISTORIC	Pipe bowl, "Thirteen Star - TD" decoration	1
Building 5	TU02, 43-75 cmbd, level 3	GLASS	Flat glass, light blue tint	1
Building 5	TU02, 43-75 cmbd, level 3	METAL	Nail, square cut	13
Building 5	TU02, 43-75 cmbd, level 3	METAL	Nail, square cut, unknown attachment on proximal end	1
Building 5	TU02, 43-75 cmbd, level 3	METAL	Unidentified metal plate	2
Building 5	TU02, 43-75 cmbd, level 3	METAL	Unidentified metal piece	1
Building 5	TU02, 43-75 cmbd, level 3	BUILDING MATERIALS	Mortar Sample	1
Building 5	TU02, 43-75 cmbd, level 3	BUILDING MATERIALS	Unidentified building material	1
Building 5	TU02, 43-75 cmbd, level 3	BUILDING MATERIALS	Brick fragment	15
A	TU03, 6-15 cmbd, level 1	CERAMIC, HISTORIC	Redware, dark reddish brown glaze	1
A	TU03, 6-15 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, non-decorated	1
A	TU03, 6-15 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, floral transfer print	1
A	TU03, 6-15 cmbd, level 1	CERAMIC, HISTORIC	Stoneware, salt glaze	1
A	TU03, 6-15 cmbd, level 1	METAL	Nail, square cut	1
A	TU03, 6-15 cmbd, level 1	OTHER	Gun flint, dark grey chert	1
A	TU03, 15-38 cmbd, level 2	CERAMIC, HISTORIC	Redware, dark reddish brown glaze	1
A	TU03, 15-38 cmbd, level 2	CERAMIC, HISTORIC	Redware, unglazed	2
A	TU03, 15-38 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, embossed pattern	1
A	TU03, 15-38 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, dark reddish brown exterior glaze	1
A	TU03, 15-38 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, non-decorated	1
A	TU03, 15-38 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, non-decorated	14
A	TU03, 15-38 cmbd, level 2	CERAMIC, HISTORIC	Stoneware, salt glaze	4
A	TU03, 15-38 cmbd, level 2	GLASS	Vessel glass, amethyst tint	1
A	TU03, 15-38 cmbd, level 2	GLASS	Vessel glass, light blue tint	1
A	TU03, 15-38 cmbd, level 2	GLASS	Vessel glass, colorless	1
A	TU03, 15-38 cmbd, level 2	METAL	Nail, wire cut	12
A	TU03, 15-38 cmbd, level 2	METAL	fence staple	1
A	TU03, 15-38 cmbd, level 2	METAL	Unidentified metal piece	1
A	TU03, 15-38 cmbd, level 2	BUILDING MATERIALS	Brick fragment	1
C	TU06, 7-15 cmbd, level 1	METAL	Nail, unidentified type	1
C	TU06, 7-15 cmbd, level 1	METAL	Barbed wire	2
C	TU06, 15-25 cmbd, level 2	CERAMIC, HISTORIC	Redware, reddish brown glaze	5
C	TU06, 15-25 cmbd, level 2	CERAMIC, HISTORIC	Redware, dark reddish brown glaze	1
C	TU06, 15-25 cmbd, level 2	CERAMIC, HISTORIC	Redware, unglazed	2
C	TU06, 15-25 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, transfer print	1
C	TU06, 15-25 cmbd, level 2	CERAMIC, HISTORIC	Stoneware, salt glaze	1
C	TU06, 15-25 cmbd, level 2	OTHER	Ceramic insulator with nail	2
C	TU06, 15-25 cmbd, level 2	GLASS	Vessel glass, embossed	3

C	TU06, 15-25 cmbd, level 2	GLASS	Vessel glass, light blue tint	1
C	TU06, 15-25 cmbd, level 2	GLASS	Vessel glass, light blue tint, patina	1
C	TU06, 15-25 cmbd, level 2	GLASS	Flat glass, light blue tint	1
C	TU06, 15-25 cmbd, level 2	GLASS	Vessel glass, amethyst tint	3
C	TU06, 15-25 cmbd, level 2	GLASS	Vessel glass, colorless	2
C	TU06, 15-25 cmbd, level 2	METAL	Nail, unidentified type	5
C	TU06, 15-25 cmbd, level 2	METAL	Unidentified metal piece	8
C	TU06, 25-35 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze with luster glaze	1
C	TU06, 25-35 cmbd, level 3	CERAMIC, HISTORIC	Redware, reddish brown glaze	13
C	TU06, 25-35 cmbd, level 3	CERAMIC, HISTORIC	Redware, unglazed	5
C	TU06, 25-35 cmbd, level 3	METAL	Nail, square cut	14
C	TU06, 25-35 cmbd, level 3	METAL	Bolt	2
C	TU06, 25-35 cmbd, level 3	METAL	Unidentified metal piece	2
C	TU07, 10-32 cmbd, level 1	FAUNAL BONE	Faunal bone, butchered, unknown species	1
C	TU07, 10-32 cmbd, level 1	FAUNAL BONE	Faunal tooth, unknown species	1
C	TU07, 10-32 cmbd, level 1	METAL	Nail, square cut	3
C	TU07, 10-32 cmbd, level 1	METAL	Unidentified metal piece	3
C	TU07, 32-57 cmbd, level 2	FAUNAL BONE	Faunal bone, butchered, unknown species	1
C	TU07, 32-57 cmbd, level 2	CERAMIC, HISTORIC	Redware dark brown glaze	1
C	TU07, 32-57 cmbd, level 2	CERAMIC, HISTORIC	Redware, unglazed	2
C	TU07, 32-57 cmbd, level 2	CERAMIC, HISTORIC	Creamware, non-decorated	1
C	TU07, 32-57 cmbd, level 2	GLASS	Flat glass, colorless	1
C	TU07, 32-57 cmbd, level 2	METAL	Nail, square cut	16
C	TU07, 32-57 cmbd, level 2	METAL	Nail, unidentified type	7
C	TU07, 32-57 cmbd, level 2	METAL	Bolt	4
A	TU04, 4-59 cmbd, level 1	FAUNAL BONE	Faunal bone, no signs of butchering	2
A	TU04, 4-59 cmbd, level 1	CERAMIC, HISTORIC	Redware, dark reddish brown glaze with luster glaze	2
A	TU04, 4-59 cmbd, level 1	CERAMIC, HISTORIC	Ironstone china, embossed	1
A	TU04, 4-59 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, non-decorated	1
A	TU04, 4-59 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, non-decorated	3
A	TU04, 4-59 cmbd, level 1	CERAMIC, HISTORIC	Pearlware, cobalt blue decoration	3
A	TU04, 4-59 cmbd, level 1	CERAMIC, HISTORIC	Pearlware, cobalt blue decoration	6
A	TU04, 4-59 cmbd, level 1	CERAMIC, HISTORIC	Pearlware, non-decorated	1
A	TU04, 4-59 cmbd, level 1	GLASS	Vessel glass, blue tint, embossed	3
A	TU04, 4-59 cmbd, level 1	GLASS	Vessel glass, blue tint, embossed	1
A	TU04, 4-59 cmbd, level 1	GLASS	Vessel glass, lip, neck, and shoulder; colorless	2
A	TU04, 4-59 cmbd, level 1	GLASS	Vessel glass, base, colorless	1
A	TU04, 4-59 cmbd, level 1	GLASS	Vessel glass, embossed, colorless	1
A	TU04, 4-59 cmbd, level 1	GLASS	Vessel glass, colorless	3
A	TU04, 4-59 cmbd, level 1	GLASS	Vessel glass, amethyst tint	4
A	TU04, 4-59 cmbd, level 1	METAL	Nail, square cut	19
A	TU04, 4-59 cmbd, level 1	METAL	Nail, wire cut	3
A	TU04, 4-59 cmbd, level 1	METAL	Bolt	1
A	TU04, 4-59 cmbd, level 1	METAL	Unidentified metal piece	2

A	TU04, 4-59 cmbd, level 1	BUILDING MATERIALS	Brick fragment	1
A	TU04, 4-59 cmbd, level 1	OTHER	Plastic - unknown type	1
B	TU05, 5-25 cmbd, level 1	FAUNAL BONE	Faunal bone, no signs of butchering	3
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Redware, unglazed	1
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, geometric and floral pattern	3
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, non-decorated	3
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, non-decorated	3
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, non-decorated	12
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, non-decorated	1
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, embossed pattern	2
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Whiteware, embossed pattern	1
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Porcelain, floral pattern	1
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Porcelain, floral pattern	3
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Porcelain, blue chinoiserie	3
B	TU05, 5-25 cmbd, level 1	CERAMIC, HISTORIC	Stoneware, salt glaze	1
B	TU05, 5-25 cmbd, level 1	GLASS	Complete bottle, colorless	1
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, green, base	1
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, amethyst tint, base	1
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, colorless, base	7
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, decorative, lid	1
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, lip and neck	4
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, blue-green tint, embossed	1
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, colorless, embossed	1
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, colorless, textured band below rim	2
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, colorless, rim	1
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, colorless, body, geometric molding	3
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, blue tint, body	1
B	TU05, 5-25 cmbd, level 1	GLASS	Vessel glass, colorless, body	22
B	TU05, 5-25 cmbd, level 1	GLASS	Flat glass, colorless	21
B	TU05, 5-25 cmbd, level 1	GLASS	Flat glass, light blue tint	8
B	TU05, 5-25 cmbd, level 1	METAL	Nail, square cut	2
B	TU05, 5-25 cmbd, level 1	METAL	Bolt	1
B	TU05, 5-25 cmbd, level 1	METAL	Unidentified metal piece	6
B	TU05, 5-25 cmbd, level 1	BUILDING MATERIALS	Brick fragment	2
B	TU05, 5-25 cmbd, level 1	OTHER	Plastic doll leg	1
B	TU05, 5-25 cmbd, level 1	OTHER	Button, plastic	1
B	TU05, 5-25 cmbd, level 1	LEATHER OR SINEW	Shoe sole	1
B	TU05, 25-38 cmbd, level 2	CERAMIC, HISTORIC	Whiteware, geometric linear pattern	1

Appendix B.
Test Results

Table 5. STP Results

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
001	Negative	I:0-22	10YR4/3 brown silt loam	10% gravel	NCM
001		II:22-36	7.5YR5/6 strong brown silty clay loam	30% gravel	NCM
002	Negative	I:0-3	10YR5/2 grayish brown silty clay		NCM
002		II:3-22	10YR6/4 light yellowish brown silty clay loam		NCM
003	Negative	I:0-22	10YR4/3 brown silt loam	25% gravel	NCM
003		II:22-35	10YR5/6 yellowish brown silt loam	30% gravel and cobble	NCM
004	Negative	I:0-21	10YR4/4 dark yellowish brown silty clay		NCM
004		II:21-32	10YR5/4 yellowish brown silty clay loam		NCM
005	Negative	I:0-23	10YR4/3 brown silt loam	10% gravel	NCM
005		II:23-37	10YR5/6 yellowish brown silty clay loam	30% gravel and cobble	NCM
006	Negative	I:0-20	10YR4/3 brown silt loam		NCM
006		II:20-35	10YR5/6 yellowish brown silty clay loam		NCM
007	Negative	I:0-10	10YR4/3 brown silt loam		NCM
007		II:10-32	10YR5/6 yellowish brown silt loam		NCM
008	Negative	I:0-16	10YR4/3 brown silt loam	30% gravel	NCM
008		II:16-25	7.5YR5/6 strong brown silt loam	50% decayed shale bedrock and gravel	NCM
009	Negative	I:0-13	10YR4/2 dark grayish brown loamy sand	20% gravel	NCM
009		II:13-36	7.5YR5/6 strong brown	50% gravel	NCM
010	Negative	I:0-7	10YR4/3 brown silt loam	15% gravel	NCM
010		II:7-30	10YR5/6 yellowish brown silty clay	Possibly fill, 50% gravel	NCM
011	Negative	I:0-20	10YR4/3 brown silt loam	10% gravel	NCM
011		II:20-30	7.5YR5/6 strong brown silt loam	40% gravel	NCM
012	No Dig				
013	Negative	I:0-12	10YR4/2 dark grayish brown silt loam	Large medium rocks throughout 013	NCM
013		II:12-18	10YR4/4 dark yellowish brown silt loam		NCM
014	Negative	I:0-11	10YR4/2 dark grayish brown silt loam	Medium rocks throughout 014	NCM
014		II:11-28	10YR4/4 dark yellowish brown silt loam		NCM
015	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
015		II:10-30	10YR4/3 brown silt loam	50% gravels	NCM
016	Negative	I:0-55	10YR4/4 dark yellowish brown sandy loam	Fill with 50% gravels, not compact	NCM
016		II:55-75	10YR6/4 light yellowish brown clay		NCM
017	Negative	I:0-5	10YR3/4 dark yellowish brown silty clay loam		NCM
017		II:5-25	10YR6/4 light yellowish brown silt loam	50% gravels	NCM
018	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	Very compact with gravels	NCM
018		II:15-35	10YR6/4 light yellowish brown silt loam	With gravels	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
019	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	50% gravels	NCM
019		II:20-40	10YR6/4 light yellowish brown silt loam		NCM
020	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
020		II:15-35	10YR6/4 light yellowish brown silt loam	50% gravels	NCM
021	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	50% cobbles	NCM
022	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
022		II:20-40	10YR6/4 light yellowish brown silt loam		NCM
023	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
023		II:10-25	10YR6/4 light yellowish brown silt loam	With large cobbles	NCM
024	Negative	I:0-40	10YR4/3 brown silt loam		NCM
024		II:40-60	10YR5/6 yellowish brown silt loam		NCM
025	Negative	I:0-24	10YR4/3 brown silt loam		NCM
025		II:24-44	10YR5/4 yellowish brown silt loam	25-50% small gravels	NCM
026	Negative	I:0-16	10YR4/3 brown silt loam	Few gravels	NCM
026		II:16-36	10YR5/6 yellowish brown silt loam	25-50% gravels, compact	NCM
027	Negative	I:0-20	10YR4/3 brown silt loam		NCM
027		II:20-40	10YR5/6 yellowish brown silt loam	25-50% gravels	NCM
028	Negative	I:0-26	10YR4/3 brown silt loam	Few gravels	NCM
028		II:26-46	10YR5/6 yellowish brown silt loam	25-50% small angular gravels	NCM
029	Negative	I:0-25	10YR4/3 brown silt loam	Large root at approximately 25cmbs, impasse	NCM
030	Negative	I:0-48	10YR4/3 brown silt loam	Roots, few gravels	NCM
030		II:48-68	10YR5/4 yellowish brown sandy loam	Compact, 25-50% small angular gravels	NCM
031	Negative	I:0-38	10YR4/3 brown silt loam		NCM
031		II:38-58	10YR5/6 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
032	Negative	I:0-9	10YR4/2 dark grayish brown silt loam		NCM
032		II:9-34	10YR5/4 yellowish brown silt loam		NCM
033	No Dig			20% gravel	
034	No Dig				
035	Negative	I:0-22	10YR4/3 brown silt loam	5% gravels	NCM
035		II:22-56	10YR5/4 yellowish brown silty clay loam		NCM
036	Negative	I:0-32	10YR4/3 brown silt loam	5% gravel	NCM
036		II:32-53	2.5YR5/4 reddish brown silty clay loam	15% gravel	NCM
037	Negative	I:0-12	10YR5/6 yellowish brown silty clay loam	10% gravel	NCM
037		II:12-41	10YR5/3 brown sandy loam	15 percent gravel	NCM
038	Negative	I:0-10	10YR4/2 dark grayish brown silt loam	50% gravel, graded surface	NCM
039	Negative	I:0-18	10YR4/2 dark grayish brown silt loam	25% gravel, graded surface/ fill	NCM
039		II:18-25	7.5YR5/6 strong brown silt loam	50% decayed shale bedrock and gravel	NCM
040	Negative	I:0-16	10YR4/3 brown silt loam	10% gravel	NCM
040		II:16-23	7.5YR5/6 strong brown silt loam	50% decayed shale bedrock and gravel	NCM
041	Negative	I:0-16	10YR4/3 brown silt loam	10% gravel	NCM
041		II:16-27	7.5YR4/6 strong brown silt loam	50% decayed shale bedrock and gravel	NCM
042	Negative	I:0-11	10YR4/2 dark grayish brown silt loam	Modern bottle glass. Significant amounts of medium roots throughout 042	NCM
042		II:11-34	10YR5/4 yellowish brown silt loam		NCM
043	Negative	I:0-16	10YR3/2 very dark grayish brown silt loam	10% gravel and cobble	NCM
043		II:16-38	7.5YR4/6 strong brown silty clay loam	25% gravel	NCM
044	No Dig			Photo facing west	NCM
045	Negative	I:0-11	10YR3/1 very dark gray silt loam		NCM
046	Negative	I:0-28	10YR4/3 brown silt loam	5% gravel	NCM
046		II:28-42	2.5Y5/4 light olive brown silty clay loam	10% gravel	NCM
047	Negative	I:0-24	10YR4/3 brown silt loam	15% gravel	NCM
047		II:24-39	2.5Y5/4 light olive brown silty clay loam	25% gravel	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
048	Negative	I:0-25	10YR4/3 brown silt loam	10% gravel	NCM
048		II:25-40	2.5Y5/4 light olive brown silty clay loam	30% gravel	NCM
049	Negative	I:0-36	10YR4/3 brown silt loam	15% gravel	NCM
049		II:36-51	10YR5/4 yellowish brown silty clay loam	25% gravel	NCM
050	Negative	I:0-37	10YR4/3 brown silt loam	15% gravel and cobble	NCM
050		II:37-52	2.5YR5/4 reddish brown silty clay loam	30% gravel, rock impasse at BOE	NCM
051	Negative	I:0-32	10YR4/3 brown silt loam	15% gravel and cobble	NCM
051		II:32-47	2.5YR5/4 reddish brown sandy clay loam	30% gravel and cobble, rock impasse at BOE	NCM
052	Negative	I:0-10	10YR4/3 brown silty clay loam	Graded/ graveled surface, rock impasse at BOE	NCM
053	Negative	I:0-20	10YR4/3 brown silt loam	30% gravel and cobble, graded surface/ fill	NCM
053		II:20-30	7.5YR5/3 brown silt loam	40% gravel, probable fill	NCM
054	Negative	I:0-18	10YR4/3 brown silt loam	10% gravel	NCM
054		II:18-30	7.5YR5/6 strong brown silty clay loam	50% decayed slate bedrock and gravel	NCM
055	Negative	I:0-12	10YR4/2 dark grayish brown silt loam		NCM
055		II:12-35	10YR5/4 yellowish brown silt loam		NCM
056	Negative	I:0-9	10YR5/3 brown silty clay loam	Several large cobbles and roots	NCM
056		II:9-14.5	7.5YR5/6 strong brown silt loam	Rock impasse and roots	NCM
057	No Dig				
058	Negative	I:0-20	10YR4/3 brown silty clay loam	With cobbles and roots	NCM
058		II:20-40	10YR5/8 yellowish brown silt loam	With roots	NCM
059	Negative	I:0-20	10YR4/4 dark yellowish brown silty clay loam	Root impasse	NCM
060	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
060		II:30-50	10YR6/4 light yellowish brown clay loam		NCM
061	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
061		II:20-40	10YR6/4 light yellowish brown clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
062	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
062		II:20-40	10YR6/4 light yellowish brown clay	25% gravels	NCM
063	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
063		II:20-40	10YR5/6 yellowish brown silt loam	50% gravels	NCM
064	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
064		II:20-40	10YR6/4 light yellowish brown silt loam	50% slate	NCM
065	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
065		II:15-35	10YR6/4 light yellowish brown silt loam	50% gravels	NCM
066	Negative	I:0-8	10YR4/4 dark yellowish brown silty clay loam	Fill with cobbles	NCM
066		II:8-15	10YR3/4 dark yellowish brown silty clay loam		NCM
066		III:15-20	10YR5/6 yellowish brown silt loam	50% shale	NCM
067	Negative	I:0-15	10YR4/4 dark yellowish brown silty clay loam	Fill with gravels	NCM
067		II:15-20	10YR6/4 light yellowish brown silt loam	50% slate	NCM
068	Negative	I:0-28	10YR4/3 brown silt loam		NCM
068		II:28-48	10YR5/6 yellowish brown silt loam	25-50% gravels	NCM
069	Negative	I:0-13	10YR4/2 dark grayish brown silt loam		NCM
069		II:13-32	10YR5/4 yellowish brown silt loam		NCM
070	Negative	I:0-4	10YR4/2 dark grayish brown silt loam		NCM
070		II:4-24	10YR5/4 yellowish brown silt loam		NCM
070		III:24-42	10YR6/6 brownish yellow silt loam		NCM
071	Negative	I:0-11	10YR4/2 dark grayish brown silt loam	071 is on the slope up to one of the large rock outcroppings. Strat I contained many large rocks and some small ones.	NCM
071		II:11-25	10YR5/3 brown silt loam	Strat II contained some large rocks and roots, which	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
				ultimately proved impassable	
072	No Dig				
073	No Dig				
074	No Dig				
075	Negative	I:0-7	10YR2/2 very dark brown silt loam		NCM
075		II:7-23	10YR5/3 brown silt loam		NCM
075		III:23-40	10YR6/6 brownish yellow silt loam		NCM
076	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
076		II:10-33	10YR5/6 yellowish brown silt loam		NCM
077	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
077		II:11-31	10YR5/3 brown silt loam		NCM
078	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
078		II:10-31	10YR5/3 brown silt loam		NCM
079	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
079		II:10-32	10YR5/3 brown silt loam		NCM
080	Negative	I:0-9	10YR4/3 brown silt loam		NCM
080		II:9-30	10YR5/4 yellowish brown silt loam		NCM
081	Negative	I:0-9	10YR5/4 yellowish brown silt loam	lots of cobbles	NCM
081		II:9-26	10YR5/6 yellowish brown silty clay loam	Cobbles	NCM
082	Negative	I:0-19	10YR4/3 brown silt loam		NCM
082		II:19-39	10YR5/6 yellowish brown silt loam	25-50% gravels	NCM
083	Negative	I:0-16	10YR3/3 dark brown sandy clay	Minor vegetation	NCM
083		II:16-32	10YR5/6 yellowish brown silty clay	Increasing gravel and small cobbles at distal end	NCM
084	Negative	I:0-20	10YR3/3 dark brown sandy clay		NCM
084		II:20-33	10YR5/6 yellowish brown silty clay		NCM
085	No Dig				
086	Negative	I:0-21	10YR4/3 brown silt loam		NCM
086		II:21-41	10YR5/6 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
087	Negative	I:0-26	10YR4/3 brown silt loam		NCM
087		II:26-46	10YR5/6 yellowish brown silt loam		NCM
088	Negative	I:0-19	10YR4/3 brown silt loam		NCM
088		II:19-39	10YR5/6 yellowish brown silt loam		NCM
089	Negative	I:0-28	10YR4/3 brown silt loam		NCM
089		II:28-48	10YR5/4 yellowish brown silt loam		NCM
090	Negative	I:0-10	10YR5/4 yellowish brown silty clay		NCM
090		II:10-20	10YR6/4 light yellowish brown sandy clay loam		NCM
091	Negative	I:0-32	10YR4/3 brown silt loam		NCM
091		II:32-52	10YR5/6 yellowish brown silt loam		NCM
092	Negative	I:0-9	10YR5/4 yellowish brown silty clay		NCM
092		II:9-18	10YR6/2 light brownish gray sandy clay loam	Rocks	NCM
093	Negative	I:0-24	10YR4/3 brown silt loam		NCM
093		II:24-44	10YR5/6 yellowish brown silt loam	Very compact	NCM
094	Negative	I:0-15	10YR4/3 brown silt loam		NCM
094		II:16-36	10YR5/6 yellowish brown	25-50% gravels	NCM
095	Negative	I:0-10	10YR3/3 dark brown clay loam	20% gravel	NCM
095		II:11-21	10YR6/6 brownish yellow sandy clay loam	40% gravel and cobble	NCM
096	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
096		II:11-33	10YR5/3 brown silt		NCM
097	Negative	I:0-14	10YR3/3 dark brown clay loam		NCM
097		II:14-36	10YR5/6 yellowish brown silt loam		NCM
098	Negative	I:0-15	10YR4/2 dark grayish brown silt loam		NCM
098		II:15-33	10YR5/3 brown silt		NCM
099	Negative	I:0-20	10YR4/3 brown silt loam		NCM
099		II:20-41	7.5YR4/6 strong brown silt loam		NCM
100	Negative	I:0-22	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
100		II:22-42	7.5YR4/6 strong brown silt loam		NCM
101	No Dig				
102	Negative	I:0-17	10YR4/3 brown silt loam	5% gravel	NCM
102		II:17-38	10YR5/6 yellowish brown silt	Rock impasse at BOE	NCM
103	Negative	I:0-21	10YR5/4 yellowish brown silt loam	5% gravel	NCM
103		II:21-40	10YR5/6 yellowish brown silt		NCM
104	Negative	I:0-26	10YR4/3 brown silt loam	20% gravel	NCM
104		II:26-40	7.5YR4/6 strong brown silt loam	30% gravel	NCM
105	Negative	I:0-30	10YR4/3 brown silt loam	20% gravel	NCM
105		II:30-47	2.5YR5/4 reddish brown silt loam	30% gravel, rock impasse at BOE	NCM
106	Negative	I:0-30	10YR4/3 brown silt loam	10% gravel	NCM
106		II:30-60	2.5Y5/4 light olive brown silty clay loam	25% gravel	NCM
107	Negative	I:0-10	10YR4/3 brown silt loam	10% gravel	NCM
107		II:10-35	2.5Y5/4 light olive brown silt loam	25% gravel	NCM
108	Negative	I:0-48	10YR4/3 brown silt loam		NCM
108		II:48-68	10YR5/6 yellowish brown silt loam	25-50% gravels	NCM
109	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
109		II:20-40	10YR6/4 light yellowish brown silt loam	50% gravels	NCM
110	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
110		II:11-32	10YR5/3 brown silt	Large quantities of small rocks	NCM
111	No Dig				
112	Negative	I:0-15	10YR4/3 brown silt loam	40% gravel, large cobble at BOE	NCM
113	Negative	I:0-20	10YR6/4 light yellowish brown silty clay		NCM
113		II:20-40	10YR6/3 pale brown clay		NCM
114	Negative	I:0-27	10YR4/2 dark grayish brown silty clay	With roots	NCM
114		II:27-49	10YR5/3 brown silty clay	With roots and 20% pebbles	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
115	No Dig				
116	No Dig				
117	No Dig				
118	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
118		II:30-55	10YR6/6 brownish yellow clay		NCM
119	Negative	I:0-21	10YR4/3 brown silty clay loam	With roots	NCM
119		II:21-22	10YR5/3 brown silt loam	60% gravels	NCM
119		III:22-42	10YR6/3 pale brown loamy sand	With cobbles	NCM
120	Negative	I:0-20	10YR4/3 brown sandy clay loam		NCM
120		II:20-50	10YR5/4 yellowish brown loamy sand	25% gravel	NCM
121	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
121		II:30-50	10YR6/4 light yellowish brown clay	25% shale	NCM
122	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam	10% shale	NCM
122		II:25-50	10YR6/4 light yellowish brown clay	25% shale	NCM
123	Negative	I:0-30	10YR4/3 brown silt loam		NCM
123		II:30-50	10YR5/6 yellowish brown silt loam	25-50% gravels	NCM
124	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
124		II:20-40	10YR6/4 light yellowish brown silt loam	With large cobbles	NCM
125	Negative	I:0-1818	10YR4/3 brown silt loam		NCM
125		II:18-24	10YR5/3 brown silt	Large rock across most of 125's floor	NCM
126	No Dig				
127	Negative	I:0-16	10YR6/3 pale brown sand	Sand with 25-50% gravels, thick landscaping fabric at 16cmbs, cannot cut with shovel	NCM
128	No Dig				
129	Negative	I:0-13	10YR3/2 very dark grayish brown silt loam		NCM
129		II:13-33	10YR5/6 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
130	Negative	I:0-22	10YR3/2 very dark grayish brown silt loam	Adjacent to rock outcrop, Impasse at approximately 22cmbs	NCM
131	No Dig				
132	Negative	I:0-10	10YR3/2 very dark grayish brown silt loam	Adjacent to rock outcrop, impasse at approximately 10cmbs	NCM
133	Negative	I:0-12	10YR3/2 very dark grayish brown silt loam	Located on rocky outcrop, impasse at approximately 14cmbs	NCM
134	Negative	I:0-18	10YR4/3 brown silt loam	Few gravels	NCM
134		II:18-38	10YR5/6 yellowish brown silty clay loam	25-50% small angular gravels	NCM
135	Negative	I:0-28	10YR4/3 brown silt loam		NCM
135		II:28-48	10YR5/4 yellowish brown silty clay loam		NCM
136	Negative	I:0-26	10YR4/3 brown silt loam		NCM
136		II:26-46	10YR5/4 yellowish brown silty clay loam		NCM
137	Negative	I:0-27	10YR4/3 brown silt loam		NCM
137		II:27-47	10YR5/4 yellowish brown silty clay loam		NCM
138	Negative	I:0-36	10YR4/3 brown silt loam		NCM
138		II:36-56	10YR5/6 yellowish brown silt loam		NCM
139	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
139		II:15-35	10YR6/4 light yellowish brown clay	50% gravels	NCM
140	No Dig			Paved airport runway	NCM
141	No Dig			Paved airport runway	NCM
142	Negative	I:0-23	10YR4/3 brown silt loam	20% gravel	NCM
142		II:23-34	10YR5/6 yellowish brown silt loam	40% decayed shale bedrock and gravel	NCM
143	No Dig	I:-		Assorted modern garbage: planks, metal scrap, electronics, etc.	NCM
144	No Dig	I:-		Assorted modern garbage: planks, metal scrap, electronics, etc.	NCM
145	Negative	I:0-9	10YR4/2 dark grayish brown silt loam		NCM
145		II:9-33	10YR5/4 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
146	Negative	I:0-8	10YR2/2 very dark brown silt loam	Small piece of red and yellow plastic	NCM
146		II:8-30	10YR5/6 yellowish brown silt loam		NCM
147	Negative	I:0-14	10YR4/2 dark grayish brown silt loam		NCM
147		II:14-34	10YR6/6 brownish yellow silt loam		
148	Negative	I:0-9	10YR2/2 very dark brown silt loam		NCM
148		II:9-31	10YR5/4 yellowish brown silt loam		NCM
149	Negative	I:0-11	10YR2/2 very dark brown silt loam		NCM
149		II:11-35	10YR5/4 yellowish brown silt loam		NCM
150	Negative	I:0-11	10YR4/4 dark yellowish brown silt loam		NCM
150		II:11-33	10YR5/6 yellowish brown silt loam		NCM
151	Negative	I:0-29	10YR5/3 brown silt loam		NCM
151		II:29-50	10YR5/6 yellowish brown silt loam		NCM
152	Negative	I:0-27	10YR4/3 brown		NCM
152		II:27-47	7.5YR4/6 strong brown silty clay loam		NCM
153	No Dig			Runway	NCM
154	No Dig			Runway	NCM
155	Negative	I:0-13	10YR4/2 dark grayish brown silt loam		NCM
155		II:13-38	10YR5/3 brown silt	7 large-medium cobbles	NCM
156	Negative	I:0-15	10YR4/2 dark grayish brown silt loam		NCM
156		II:15-43	10YR5/3 brown silt	Large amounts of small rocks and some medium	NCM
157	Negative	I:0-5	10YR4/4 dark yellowish brown silty clay loam		NCM
157		II:5-25	10YR6/4 light yellowish brown clay	20% gravel	NCM
158	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
158		II:10-30	10YR6/4 light yellowish brown clay	With 25% gravels	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
159	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
159		II:15-35	10YR6/4 light yellowish brown clay	With 10% gravels	NCM
160	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
160		II:15-35	10YR6/4 light yellowish brown clay	10% shale	NCM
161	Negative	I:0-22	10YR4/3 brown silt loam		NCM
161		II:22-42	10YR5/6 yellowish brown silt loam		NCM
162	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
162		II:11-32	10YR5/4 yellowish brown silt loam		NCM
163	Negative	I:0-12	10YR4/2 dark grayish brown silt loam		NCM
163		II:12-34	10YR5/6 yellowish brown silt loam		NCM
164	Negative	I:0-8	10YR5/2 grayish brown silt loam		NCM
164		II:8-33	10YR5/4 yellowish brown silt loam		NCM
165	No Dig			Paved airport runway	NCM
166	Negative	I:0-11	10YR4/4 dark yellowish brown silty clay	Adjacent to runway. Vegetation	NCM
166		II:11-26	10YR5/2 grayish brown sandy loam	Medium cobbles	NCM
167	Negative	I:0-11	10YR5/3 brown silty clay	Small Cobbles embedded in vegetation	NCM
167		II:11-29	10YR5/6 yellowish brown sandy loam	Medium cobbles	NCM
168	Negative	I:0-11.5	10YR4/3 brown silty clay	Small cobbles in vegetation	NCM
168		II:11.5-29	10YR5/4 yellowish brown sandy loam	Larger cobbles	NCM
169	Negative	I:0-5	10YR3/4 dark yellowish brown silty clay loam		NCM
169		II:5-25	10YR6/4 light yellowish brown clay	With shale	NCM
170	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With shale	NCM
170		II:15-35	10YR5/8 yellowish brown clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
171	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
171		II:20-40	10YR6/4 light yellowish brown clay	With 10% gravels	NCM
172	Negative	I:0-10	10YR5/2 grayish brown silt loam		NCM
172		II:10-30	10YR5/4 yellowish brown silt loam		NCM
173	Negative	I:0-9	10YR5/2 grayish brown silt loam		NCM
173		II:9-33	10YR5/4 yellowish brown silt loam		NCM
174	Negative	I:0-10	10YR5/2 grayish brown silt loam		NCM
174		II:10-31	10YR5/4 yellowish brown silt loam		NCM
175	Negative	I:0-20	10YR4/2 dark grayish brown silt loam		NCM
175		II:20-40	10YR5/4 yellowish brown silt loam		NCM
176	No Dig				
177	No Dig				
178	Negative	I:0-22	10YR4/3 brown silt loam		NCM
178		II:22-42	7.5YR4/6 strong brown sandy loam	25-50% gravels and cobbles	NCM
179	Negative	I:0-26	10YR4/3 brown silt loam		NCM
179		II:26-46	7.5YR4/6 strong brown sandy loam	25-50% gravels	NCM
180	Negative	I:0-27	10YR4/3 brown silt loam		NCM
180		II:27-47	10YR5/6 yellowish brown loam	25-50% gravels	NCM
181	Negative	I:0-13	10YR4/3 brown silt loam		NCM
181		II:13-33	10YR5/6 yellowish brown silt loam		NCM
182	Negative	I:0-22	10YR4/3 brown silt loam		NCM
182		II:22-42	10YR5/6 yellowish brown silt loam		NCM
183	Negative	I:0-26	10YR4/3 brown silt loam		NCM
183		II:26-46	10YR5/4 yellowish brown silt loam		NCM
184	Negative	I:0-44	10YR4/3 brown silt loam		NCM
184	Negative	II:44-64	10YR5/6 yellowish brown silt loam		NCM
185	No Dig				

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
186	Negative	I:0-19	10YR4/3 brown silt loam		NCM
186	Negative	II:19-39	10YR5/6 yellowish brown silt loam		NCM
187	Negative	I:0-16	10YR4/3 brown silt loam		NCM
187		II:16-36	10YR5/6 yellowish brown silt loam		NCM
188	Negative	I:0-27	10YR4/3 brown silt loam	Rock impasse at approximately 27cmbs	NCM
189	No Dig			Paved airport runway	NCM
190	No Dig			Paved airport runway	NCM
191	Negative	I:0-20	10YR4/2 dark grayish brown silt loam	10% gravel	NCM
191		II:20-27	2.5Y5/4 light olive brown silty clay	40% gravel and cobble	NCM
192	Negative	I:0-21	10YR4/2 dark grayish brown silt loam	10% gravel	NCM
192		II:21-30	10YR5/6 yellowish brown silt loam	40% gravel and cobble	NCM
193	Negative	I:0-26	10YR4/2 dark grayish brown silt loam	10% gravel	NCM
193		II:26-32	10YR5/6 yellowish brown silt loam	40% gravel and cobble	NCM
194	Negative	I:0-24	10YR4/3 brown silt loam		NCM
194		II:24-45	10YR5/4 yellowish brown silt loam	25% channers	NCM
195	Negative	I:0-18	10YR4/3 brown silt loam		NCM
195		II:18-36	10YR5/6 yellowish brown silt loam	40% decayed bedrock	NCM
196	Negative	I:0-23	10YR4/2 dark grayish brown silt loam		NCM
196		II:23-43	10YR5/3 brown silt loam		NCM
197	Negative	I:0-17	10YR4/3 brown silt loam		NCM
197		II:17-38	10YR5/6 yellowish brown silty clay loam		NCM
198	No Dig	I:-			NCM
199	Negative	I:0-20	10YR4/2 dark grayish brown silt loam		NCM
199		II:20-35	10YR4/6 dark yellowish brown silty clay loam	30% decayed bedrock	NCM
200	Negative	I:0-21	10YR4/2 dark grayish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
200		II:21-28	7.5YR4/6 strong brown silty clay loam		NCM
201	No Dig			Runway	NCM
202	Negative	I:0-15	10YR4/3 brown silt loam	Less gravel in strat II than other nearby STPs	NCM
202		II:15-41	10YR5/4 yellowish brown silt		NCM
203	Negative	I:0-12	10YR4/2 dark grayish brown silt loam		NCM
203		II:12-33	10YR5/4 yellowish brown silt		NCM
204	Negative	I:0-13	10YR4/2 dark grayish brown silt loam		NCM
204		II:13-33	10YR5/3 brown silt		NCM
205	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
205		II:10-34	10YR5/3 brown silt		NCM
206	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
206		II:10-30	10YR6/4 light yellowish brown clay	With shale	NCM
207	Negative	I:0-5	10YR3/4 dark yellowish brown silty clay loam		NCM
207		II:5-15	10YR6/4 light yellowish brown clay	Rock refusal	NCM
208	No Dig				
209	No Dig				
210	No Dig				
211	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
211		II:15-35	10YR6/4 light yellowish brown clay	With roots	NCM
212	No Dig			Paved airport runway	NCM
213	No Dig			Paved airport runway	NCM
214	Negative	I:0-24	10YR4/2 dark grayish brown silt loam	15% gravel	NCM
214		II:24-33	10YR5/3 brown silt loam	40% gravel and cobble	NCM
215	Negative	I:0-24	10YR4/2 dark grayish brown silt loam	10% gray	NCM
215		II:24-36	10YR5/6 yellowish brown silt loam	30% gravel	NCM
216	Negative	I:0-21	10YR4/3 brown silt loam	15% gravel	NCM
216		II:21-32	10YR5/6 yellowish brown silt loam	30% gravel and cobble	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
217	Negative	I:0-8	10YR4/2 dark grayish brown silt loam		NCM
217		II:8-32	10YR5/4 yellowish brown silt loam		NCM
218	Negative	I:0-13	10YR4/2 dark grayish brown silt loam		NCM
218		II:13-30	10YR5/4 yellowish brown silt loam		NCM
219	No Dig				
220	No Dig				
221	No Dig				
222	Negative	I:0-16	10YR4/2 dark grayish brown silt loam		NCM
222		II:16-33	10YR5/6 yellowish brown silt loam		NCM
223	Negative	I:0-5	10YR4/2 dark grayish brown silt loam	Persisting medium-large rocks	NCM
224	No Dig				
225	No Dig				
226	Negative	I:0-28	10YR4/3 brown silt loam		NCM
226		II:28-48	7.5YR4/6 strong brown silt loam		NCM
227	Negative	I:0-27	10YR4/3 brown silt loam		NCM
227		II:27-47	10YR5/6 yellowish brown silt loam	25-50% gravels	NCM
228	Negative	I:0-22	10YR4/3 brown silt loam		NCM
228		II:22-42	10YR5/6 yellowish brown silt loam	25-50% gravels	NCM
229	Negative	I:0-22	10YR4/3 brown silt loam		NCM
229		II:22-42	10YR5/6 yellowish brown silt loam	25-50% gravels	NCM
230	Negative	I:0-12	10YR4/3 brown silt loam		NCM
230		II:12-32	10YR5/4 yellowish brown silt loam	Decomposed bedrock gravels throughout	NCM
231	Negative	I:0-25	10YR4/3 brown silt loam		NCM
231		II:25-45	10YR5/6 yellowish brown silt loam		NCM
232	No Dig				NCM
233	Negative	I:0-18	10YR4/3 brown silt loam		NCM
233		II:18-38	10YR5/6 yellowish brown silt loam		NCM
234	No Dig				NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
235	Negative	I:0-21	10YR4/3 brown silt loam		NCM
235		II:21-41	10YR5/6 yellowish brown silt loam		NCM
236	No Dig				
237	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
237		II:15-35	10YR6/4 light yellowish brown silt loam	50% gravels	NCM
238	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	Rock impasse	NCM
239	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	40% small pebbles	NCM
239		II:15-20	10YR6/4 light yellowish brown silt loam	Several large rocks, impasse	NCM
240	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
240		II:25-35	10YR6/4 light yellowish brown loamy sand	Large rocks impasse	NCM
241	Negative	I:0-17	10YR4/3 brown silt loam		NCM
241		II:17-45	10YR5/4 yellowish brown silt loam		NCM
242	Negative	I:0-15	10YR4/3 brown silt loam		NCM
242		II:15-36	7.5YR5/6 strong brown silt loam	Rock impasse	NCM
243	Negative	I:0-14	10YR4/3 brown silt loam		NCM
243		II:14-32	10YR5/4 yellowish brown silt loam		NCM
243		III:32-40	10YR5/6 yellowish brown silty clay loam		NCM
244	Negative	I:0-13	10YR4/3 brown silt loam		NCM
244		II:13-34	7.5YR5/6 strong brown silty clay loam	40% root and rock	NCM
245	Negative	I:0-18	10YR4/3 brown silt loam		NCM
245		II:18-31	10YR5/4 yellowish brown silt loam		NCM
245		III:31-43	10YR5/6 yellowish brown silty clay loam		NCM
246	Negative	I:0-17	10YR3/2 very dark grayish brown silt loam		NCM
246		II:17-25	7.5YR4/6 strong brown silty clay loam		NCM
247	No Dig			Not excavated due to paved runway	

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
248	No Dig			Not excavated due to runway	
249	Negative	I:0-15	10YR4/3 brown silt loam	10% gravel, bedrock at BOE	NCM
250	Negative	I:0-25	10YR4/3 brown silt loam	15% gravel	NCM
250		II:25-37	10YR6/2 light brownish gray silt loam	30% gravel	NCM
251	Negative	I:0-19	10YR4/3 brown silt loam		NCM
251		II:19-24	10YR5/6 yellowish brown silt loam	40% gravel	NCM
252	Negative	I:0-19	10YR4/3 brown silt loam	15% gravel	NCM
252		II:19-36	10YR5/6 yellowish brown silt loam	40% gravel and decayed bedrock	NCM
253	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
253		II:20-40	10YR6/4 light yellowish brown clay	With roots	NCM
254	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	Many cobbles	NCM
254		II:10-20	10YR6/4 light yellowish brown clay	Rock impasse	NCM
255	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
255		II:15-35	10YR6/4 light yellowish brown clay		NCM
256	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
256		II:10-30	10YR6/4 light yellowish brown clay		NCM
257	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
257		II:10-30	10YR6/4 light yellowish brown clay	With roots	NCM
258	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
258		II:11-29	10YR5/3 brown silt	Large rock impasse in western half of unit	NCM
259	No Dig				
260	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
260		II:11-32	10YR5/3 brown silt		NCM
261	Negative	I:0-12	10YR4/2 dark grayish brown silt loam		NCM
261		II:12-28	10YR5/3 brown silt		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
262	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
262		II:10-28	10YR5/4 yellowish brown silt		NCM
263	Negative	I:0-12	10YR4/2 dark grayish brown silt loam		NCM
263		II:12-35	10YR5/3 brown silt		NCM
264	Negative	I:0-15	10YR4/3 brown silt loam		NCM
264		II:15-35	10YR5/6 yellowish brown silt		NCM
265	Negative	I:0-18	10YR4/3 brown silt loam		NCM
265		II:18-38	10YR5/6 yellowish brown silt		NCM
266	Negative	I:0-16	10YR4/3 brown silt loam		NCM
266		II:16-36	10YR5/6 yellowish brown silt		NCM
267	Negative	I:0-20	10YR4/3 brown silt loam		NCM
267		II:20-40	10YR5/6 yellowish brown silt		NCM
268	Negative	I:0-19	10YR4/3 brown silt loam		NCM
268		II:19-39	10YR5/6 yellowish brown silt		NCM
269	Negative	I:0-16	10YR4/3 brown silt loam		NCM
269		II:16-36	10YR5/6 yellowish brown silt		NCM
270	Negative	I:0-19	10YR5/3 brown silty clay		NCM
270		II:19-41	10YR7/6 yellow clay loam		NCM
271	Negative	I:0-11	10YR5/3 brown silty clay	Cobbles small	NCM
271		II:11-45	10YR5/6 yellowish brown silt loam		NCM
272	Negative	I:0-12	10YR5/2 grayish brown silty clay	Small Cobbles	NCM
272		II:12-26	10YR5/6 yellowish brown sandy loam	Cobbles	NCM
273	No Dig			Unable to excavate due to runway	
274	Negative	I:0-7	10YR4/3 brown silt loam	25% gravel	NCM
274		II:7-21	10YR5/6 yellowish brown silt loam	35% gravel and cobble	NCM
275	Negative	I:0-26	10YR4/3 brown silt loam	30% gravel and cobble	NCM
276	Negative	I:0-22	10YR4/3 brown silt loam	20% gravel	NCM
276		II:22-28	10YR5/6 yellowish brown silt loam	40% gravel and cobble	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
277	Negative	I:0-28	10YR4/3 brown silt loam	30% gravel and cobble	NCM
278	No Dig			Bedrock at surface	NCM
279	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
279		II:15-35	10YR6/4 light yellowish brown clay		NCM
280	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
280		II:15-30	10YR6/4 light yellowish brown clay	Root refusal	NCM
281	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
281		II:20-40	10YR6/4 light yellowish brown clay		NCM
282	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
282		II:15-35	10YR6/4 light yellowish brown clay		NCM
283	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
283		II:15-35	10YR6/4 light yellowish brown clay		NCM
284	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
284		II:20-40	10YR6/6 brownish yellow clay loam	25% gravels	NCM
285	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
285		II:25-35	10YR6/4 light yellowish brown silt loam	50% gravels	NCM
286	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
286		II:10-20	10YR6/4 light yellowish brown silt loam		NCM
286	Negative	III:20-40	10YR2/1 black silty clay	25% gravels	NCM
286		IV:40-50	10YR5/6 yellowish brown sandy loam	50% gravels	NCM
287	No Dig			Runway	NCM
288	No Dig			Runway	NCM
289	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
289		II:10-30	10YR6/4 light yellowish brown silt loam	50% shale	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
290	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
290		II:15-35	10YR6/4 light yellowish brown silt loam	50% slate	NCM
291	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	Modern steel wedge	NCM
291		II:10-25	10YR4/3 brown silt loam	50% gravels	NCM
292	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
292		II:15-35	10YR6/4 light yellowish brown silt loam	50% gravels	NCM
293	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
293		II:11-30	10YR3/4 dark yellowish brown silt loam		NCM
294	Negative	I:0-11	10YR5/2 grayish brown silt loam		NCM
294		II:11-31	10YR5/6 yellowish brown silt loam		NCM
295	Negative	I:0-10	10YR5/2 grayish brown silt loam		NCM
295		II:10-37	10YR5/6 yellowish brown silt loam		NCM
296	Negative	I:0-25	10YR4/2 dark grayish brown silt loam		NCM
296		II:25-44	10YR5/6 yellowish brown silt loam		NCM
297	Negative	I:0-9	10YR4/2 dark grayish brown silt loam		NCM
297		II:9-32	10YR6/6 brownish yellow silt loam		NCM
298	Negative	I:0-18	10YR4/2 dark grayish brown silt loam		NCM
298		II:18-36	10YR5/6 yellowish brown silt loam		NCM
299	Negative	I:0-14	10YR4/2 dark grayish brown silt loam		NCM
300	Negative	I:0-34	10YR4/3 brown silt loam		NCM
300		II:34-54	10YR5/6 yellowish brown silt loam		NCM
301	Negative	I:0-24	10YR4/3 brown silt loam		NCM
301		II:24-44	7.5YR4/6 strong brown silt loam		NCM
302	Negative	I:0-20	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
302		II:20-40	10YR5/6 yellowish brown silt loam		NCM
303	Negative	I:0-19	10YR4/3 brown silt loam		NCM
303		II:19-39	10YR5/6 yellowish brown silt loam		NCM
304	No Dig				
305	Negative	I:0-30	10Y4/3 COLOR NOT CODED silt loam		NCM
305		II:30-50	7.5YR4/6 strong brown sandy loam		NCM
306	Negative	I:0-18	10YR4/3 brown silt loam		NCM
306		II:18-38	7.5YR4/6 strong brown sandy loam	25-50% gravels	NCM
307	Negative	I:0-26	10YR4/3 brown silt loam		NCM
307		II:26-46	10YR5/6 yellowish brown silt loam	Compact, 25-50% gravels	NCM
308	Negative	I:0-30	10YR4/3 brown silt loam		NCM
308		II:30-50	10YR5/6 yellowish brown silt loam		NCM
309	Negative	I:0-12	10YR4/3 brown silt loam		NCM
309		II:12-37	7.5YR5/6 strong brown silty clay loam		NCM
310	Negative	I:0-20	10YR4/3 brown silt loam		NCM
310		II:20-48	10YR5/6 yellowish brown silty clay loam		NCM
311	Negative	I:0-18	10YR4/3 brown silt loam		NCM
311		II:18-47	10YR5/4 yellowish brown silt loam		NCM
312	Negative	I:0-19	10YR4/3 brown silt loam		NCM
312		II:19-31	10YR5/4 yellowish brown silt loam		NCM
312		III:31-39	10YR5/6 yellowish brown silty clay loam	Rock impasse at BOE	NCM
313	Negative	I:0-19	10YR5/4 yellowish brown silt loam		NCM
313		II:19-40	10YR5/4 yellowish brown		NCM
314	Negative	I:0-17	10YR4/3 brown silt loam		NCM
314		II:17-33	10YR5/4 yellowish brown silt loam		NCM
314		III:33-45	10YR5/6 yellowish brown silty clay loam		NCM
315	Negative	I:0-18	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
315		II:18-35	10YR5/4 yellowish brown silt loam		NCM
316	Negative	I:0-17	10YR4/3 brown silt loam		NCM
316		II:17-31	10YR5/4 yellowish brown silt loam		NCM
316		III:31-40	10YR5/6 yellowish brown silty clay loam		NCM
317	Negative	I:0-16	10YR4/3 brown silt loam		NCM
317		II:16-26	10YR5/4 yellowish brown silt loam		NCM
317		III:26-40	10YR5/6 yellowish brown silty clay loam		NCM
318	Negative	I:0-38	10YR4/3 brown silt loam		NCM
318		II:38-58	10YR5/4 yellowish brown silt loam		NCM
319	Negative	I:0-27	10YR4/6 dark yellowish brown silt loam	Cobble impasse at approximately 27cmbs	NCM
320	No Dig				
321	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
321		II:11-33	10YR5/3 brown silt	Many small rocks, some medium	NCM
322	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
322		II:10-31	10YR5/3 brown silt		NCM
323	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
323		II:10-32	10YR5/3 brown silt	Patch of 10YR 5/8 clay on northern edge of floor	NCM
324	Negative	I:0-12	10YR4/2 dark grayish brown silt loam		NCM
324		II:12-34	10YR5/3 brown silt		NCM
325	Negative	I:0-13	10YR4/2 dark grayish brown silt loam		NCM
325		II:13-35	10YR5/3 brown silt		NCM
326	Negative	I:0-24	10YR4/3 brown silt loam		NCM
326		II:24-48	10YR5/4 yellowish brown silt loam		NCM
327	Negative	I:0-15	10YR4/3 brown silt loam		NCM
327		II:15-80	10YR5/6 yellowish brown silt		NCM
328	Negative	I:0-20	10YR4/3 brown silt loam		NCM
328		II:20-45	10YR5/6 yellowish brown silt		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
329	Negative	I:0-15	10YR4/3 brown silt loam	Rocks throughout	NCM
329		II:15-32	10YR5/6 yellowish brown silt loam	Rocks throughout	NCM
330	Negative	I:0-24	10YR4/3 brown silt loam		NCM
330		II:24-54	10YR5/6 yellowish brown silt		NCM
331	Negative	I:0-16	10YR6/4 light yellowish brown silt loam		NCM
331		II:16-48	10YR5/6 yellowish brown silt		NCM
332	Negative	I:0-16	10YR4/3 brown silt loam		NCM
332		II:16-36	10YR5/6 yellowish brown silt		NCM
333	Negative	I:0-15	10YR4/3 brown silt loam		NCM
333		II:15-35	10YR5/6 yellowish brown silt		NCM
334	Negative	I:0-17	10YR4/3 brown silt loam		NCM
334		II:17-37	10YR5/6 yellowish brown silt		NCM
335	Negative	I:0-20	10YR4/3 brown silt loam		NCM
335		II:20-50	10YR5/6 yellowish brown silt		NCM
336	Negative	I:0-14	10YR4/3 brown silt loam		NCM
336		II:14-34	10YR5/6 yellowish brown silt		NCM
337	No Dig			Paved runway	
338	No Dig				NCM
339	Negative	I:0-16	10YR5/6 yellowish brown silty clay	Small cobbles	NCM
339		II:16-31	10YR5/3 brown sandy loam	Cobbles	NCM
340	Negative	I:0-14	10YR5/4 yellowish brown silty clay		NCM
340		II:14-40	10YR5/1 gray sandy loam		NCM
341	Negative	I:0-29	10YR4/3 brown silt loam		NCM
341		II:29-49	7.5YR4/6 strong brown sandy loam	25-50% gravels	NCM
342	Negative	I:0-27	10YR4/3 brown silt loam		NCM
342		II:27-47	10YR4/2 dark grayish brown sandy loam	25-50% angular gravels, oxidized	NCM
343	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	2 large limestone rocks at 10cmbs	NCM
343		II:15-35	5YR4/6 yellowish red clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
344	Negative	I:0-13	10YR3/4 dark yellowish brown silty clay loam	Large limestone bolder in south side of STP	NCM
344		II:13-33	10YR6/4 light yellowish brown clay		NCM
345	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
345		II:20-40	10YR6/4 light yellowish brown clay		NCM
346	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
346		II:10-30	10YR6/4 light yellowish brown clay		NCM
347	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With many roots	NCM
347		II:10-30	10YR6/4 light yellowish brown clay		NCM
348	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
348		II:10-30	10YR6/4 light yellowish brown clay		NCM
349	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With large bolder	NCM
349		II:15-35	10YR6/4 light yellowish brown clay		NCM
350	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
350		II:20-40	10YR6/4 light yellowish brown clay		NCM
351	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
351		II:20-30	10YR6/4 light yellowish brown clay	Rock refusal	NCM
352	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
352		II:10-30	10YR6/4 light yellowish brown clay		NCM
353	No Dig			Runway	NCM
354	Negative	I:0-21	10YR5/3 brown silty clay	Small cobbles	NCM
354		II:21-46	10YR5/3 brown sandy loam	30% percent gravel	NCM
355	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
355		II:10-29	10YR5/3 brown silt	Large quantities of medium and small cobbles and rocks	NCM
356	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
356		II:10-32	10YR5/3 brown silt		NCM
357	Negative	I:0-12	10YR4/2 dark grayish brown silt loam		NCM
357		II:12-33	10YR5/3 brown silt		NCM
358	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
358		II:11-46	10YR5/3 brown silt		NCM
359	Negative	I:0-14	10YR4/2 dark grayish brown silt loam		NCM
359		II:14-30	10YR6/6 brownish yellow silt loam		NCM
360	Negative	I:0-18	10YR4/2 dark grayish brown silt loam		NCM
360		II:18-32	10YR6/6 brownish yellow silt loam		NCM
361	Negative	I:0-15	10YR4/2 dark grayish brown silt loam		NCM
361		II:15-33	10YR5/6 yellowish brown silt loam		NCM
362	Negative	I:0-16	10YR4/2 dark grayish brown silt loam		NCM
362		II:16-33	10YR6/6 brownish yellow silt loam		NCM
363	Negative	I:0-13	10YR4/2 dark grayish brown silt loam		NCM
363		II:13-35	10YR5/6 yellowish brown silt loam		NCM
364	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
364		II:11-20	10YR5/6 yellowish brown silt loam		NCM
365	Negative	I:0-14	10YR4/2 dark grayish brown silt loam	Persisting large rocks in area and throughout STP	NCM
366	Negative	I:0-16	10YR4/3 brown silt loam		NCM
366		II:16-40	10YR5/6 yellowish brown silt loam		NCM
367	No Dig			Runway	NCM
368	Negative	I:0-20	10YR4/3 brown silt loam	10% gravel	NCM
368		II:20-51	10YR5/6 yellowish brown silt loam	25% gravel	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
369	Negative	I:0-19	10YR5/4 yellowish brown silty clay	Gravel embedded in vegetation	NCM
369		II:19-31	10Y6/4 COLOR NOT CODED loamy sand	Medium cobbles roughly 40%	NCM
370	Negative	I:0-24	10YR4/3 brown silt loam	10% gravel	NCM
370		II:24-43	7.5YR4/6 strong brown silt loam	25% gravel	NCM
370		III:43-70	10YR3/2 very dark grayish brown sand	No rock content, coarse sand, 2C1 horizon	NCM
371	Negative	I:0-21	10YR4/3 brown sandy clay loam	Slight gravel	NCM
371		II:21-45	10YR5/4 yellowish brown sandy loam	20% small to mid-cobbles	NCM
372	Negative	I:0-10	10YR2/1 black sand	Road fill	NCM
372		II:10-18	10YR4/2 dark grayish brown silt loam		NCM
372		III:18-40	10YR5/6 yellowish brown silty clay loam	Large cobble at BOE	NCM
373	Negative	I:0-19	10YR4/2 dark grayish brown silt loam		NCM
373		II:19-37	10YR5/6 yellowish brown silty clay loam		NCM
374	Negative	I:0-20	10YR4/2 dark grayish brown silt loam	Test located on concrete pad	NCM
374		II:20-35	10YR5/6 yellowish brown silty clay loam		NCM
375	Positive	I:0-18	10YR4/3 brown silty clay loam	Thin O-Horizon overlying, One white ware sherd	Ceramics
375		II:18-38	7.5YR4/6 strong brown silty clay loam	Roots	NCM
376	Positive	I:0-21	10YR5/3 brown silty clay loam	Discarded pipe fragments found. 8 vessel glass,4 whiteware, and 1 flat glass collected and bagged.	Glass
376		II:21-46	10YR4/4 dark yellowish brown sandy clay loam	Large root. Large fragmented rocks	NCM
377	No Dig				
378	Negative	I:0-13	10YR4/2 dark grayish brown silty clay loam		NCM
378		II:13-27	10YR5/4 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
378		III:27-40	10YR5/6 yellowish brown sandy loam		NCM
379	Negative	I:0-16	10YR4/3 brown silt loam		NCM
379		II:16-28	10YR5/4 yellowish brown silt loam		NCM
379		III:28-40	10YR5/6 yellowish brown silty clay loam		NCM
380	Negative	I:0-15	10YR4/3 brown silt loam		NCM
380		II:15-22	10YR5/4 yellowish brown silt loam		NCM
380		III:22-38	10YR5/6 yellowish brown silty clay loam		NCM
381	Negative	I:0-20	10YR4/2 dark grayish brown silt loam		NCM
381		II:20-32	10YR5/6 yellowish brown silty clay loam	Rock impasse	NCM
382	Negative	I:0-21	10YR4/2 dark grayish brown silt loam		NCM
383	No Dig				
384	No Dig				
385	Negative	I:0-30	10YR4/3 brown sandy loam	10-25% small rounded gravels	NCM
385		II:30-50	10YR4/2 dark grayish brown sand	25-50% small rounded gravel	NCM
386	Negative	I:0-19	10YR4/3 brown silt loam	Few gravels	NCM
386		II:19-39	10YR5/6 yellowish brown silt	No gravels	NCM
387	No Dig				
388	Negative	I:0-15	10YR4/3 brown silt loam	10-25% small rounded gravels	NCM
388		II:15-35	10YR5/6 yellowish brown silt loam	25-50% rounded gravels and cobbles. Located adjacent to building	NCM
389	Negative	I:0-17	10YR4/3 brown sandy loam	Located adjacent to building. 50-75% well rounded fill gravels	NCM
389		II:17-32	10YR4/3 brown silt loam	25-50- small rounded gravels	NCM
389		III:32-52	10YR5/6 yellowish brown silt	No gravels	NCM
390	No Dig				
391	Negative	I:0-24	10YR4/3 brown silt loam	10-25% rounded gravels and cobbles	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
392	Negative	I:0-27	10YR4/3 brown silt loam	10-25% rounded gravels and cobbles	NCM
392		II:27-47	10YR5/6 yellowish brown	No gravels	NCM
393	No Dig				
394	Negative	I:0-20	10YR4/3 brown silt loam	Adjacent to building, 10-25% gravels and cobbles	NCM
394		II:20-40	10YR5/6 yellowish brown silt loam	Few gravels	NCM
395	Negative	I:0-45	10YR4/2 dark grayish brown silt loam	Adjacent to building in landscaped area. Loose soil, 10-25% gravels and cobbles. Roots throughout, root impasse at approximately 45cmbs	NCM
396	Positive	I:0-40	10YR4/3 brown silt loam	Adjacent to building. Loose soil with 10-25% small rounded gravels. Historic Artifacts (n=6) collected include 1 Whiteware frag, 1 porcelain frag, 1 coal, 1 square nail, 1 foil wrapper, 1 colorless glass vessel frag. There is a sealed metal can at approximately 35 cmbs, located in southern part of STP. Estimated diameter of can approximately 20cmbs. Can was not fully excavated due to possibility of unknown substance inside. Excavation stopped at can for safety.	
397	No Dig				
398	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
398		II:10-30	10YR6/4 light yellowish brown silty clay	50% gravels	NCM
399	Negative	I:0-10	10YR4/4 dark yellowish brown silty clay loam		NCM
399		II:10-30	10YR6/4 light yellowish brown silty clay	50% gravels	NCM
400	No Dig			Runway	NCM
401	No Dig			Gravel driveway	NCM
402	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
402		II:10-30	10YR6/4 light yellowish brown silty clay	50% gravels	NCM
403	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
403		II:15-30	10YR6/4 light yellowish brown silty clay	25% gravels with cobbles at base	NCM
404	Negative	I:0-5	10YR3/4 dark yellowish brown silty clay loam		NCM
404		II:5-20	10YR6/4 light yellowish brown silty clay	50% gravels	NCM
405	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
405		II:30-50	10YR6/4 light yellowish brown silty clay		NCM
406	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
406		II:20-30	10YR6/4 light yellowish brown silty clay	Large cobbles	NCM
407	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
407		II:10-30	10YR6/4 light yellowish brown silty clay	10% gravels	NCM
408	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
408		II:10-25	10YR6/4 light yellowish brown silty clay	With large cobbles	NCM
409	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
409		II:10-30	10YR6/4 light yellowish brown silty clay	With roots	NCM
410	Negative	I:0-40	10YR3/4 dark yellowish brown silty clay loam	With roots	NCM
410		II:40-60	10YR5/6 yellowish brown silty clay		NCM
411	Positive	I:0-15	10YR3/4 dark yellowish brown silty clay loam	With roots	
411		II:15-55	10YR4/2 dark grayish brown silty clay loam	Fill with wire nails, bottle glass, bone, milk glass, white ware, cut bone, rubber, clinker, roofing tack. Collected	NCM
411		III:55-63	10YR5/4 yellowish brown silty clay	Large cobbles at base	NCM
412	Negative	I:0-23	10YR4/3 brown silt loam		NCM
412		II:23-43	10YR5/6 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
413	Negative	I:0-27	10YR4/3 brown silt loam		NCM
413		II:27-47	10YR5/6 yellowish brown silt loam		NCM
414	Negative	I:0-8	10YR4/2 dark grayish brown silt loam		NCM
414		II:8-33	10YR4/4 dark yellowish brown silt loam		NCM
415	Negative	I:0-11	10YR4/3 brown silt loam		NCM
415		II:11-35	10YR5/6 yellowish brown silt loam		NCM
416	Negative	I:0-10	10YR4/3 brown silt loam		NCM
416		II:10-33	10YR5/6 yellowish brown silt loam		NCM
417	Negative	I:0-10	10YR4/2 dark grayish brown silt loam		NCM
417		II:10-35	10YR5/3 brown silt		NCM
418	No Dig				
419	Negative	I:0-16	10YR3/6 dark yellowish brown silt loam		NCM
419		II:16-37	10YR5/6 yellowish brown sandy loam		NCM
420	Negative	I:0-14	10YR5/3 brown silty clay		NCM
420		II:14-	10YR3/3 dark brown sandy loam		NCM
421	Negative	I:0-9	10R4/3 weak red silty clay		NCM
421		II:9-31	10YR5/4 yellowish brown sandy loam	Large cobbles approx 25 percent	NCM
422	Negative	I:0-9	10YR4/3 brown silty clay	PVC piping in and around STP. Gravel mixture. One pvc fragment.	NCM
422		II:9-33	10YR4/3 brown loamy sand	Large cobbles approx 30 percent.	NCM
423	Negative	I:0-9	10YR4/3 brown silty clay	Modern garbage: roofing and bottle pieces in Strat I	NCM
423		II:9-32	10YR5/4 yellowish brown silty clay		NCM
424	No Dig			Hole in ground surrounded by planks with nails	NCM
425	Positive	II:10-32	10YR5/4 yellowish brown silty clay		
425		I:0-10	10YR4/3 brown silty clay		Glass
426	Negative	I:0-10	10YR4/3 brown silty clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
426		II:10-34	10YR5/4 yellowish brown silty clay		NCM
427	Negative	I:0-12	10YR4/3 brown silty clay		NCM
427		II:12-36	10YR5/4 yellowish brown silty clay		NCM
428	Negative	I:0-11	10YR4/3 brown silty clay		NCM
428		II:11-34	10YR5/6 yellowish brown silt loam		NCM
429	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
429		II:15-35	10YR6/4 light yellowish brown clay		NCM
430	Negative	I:0-17	10YR4/3 brown silty clay		NCM
430		II:17-34	10YR6/6 brownish yellow silt loam		NCM
431	Negative	I:0-23	10YR4/3 brown silty clay		NCM
431		II:23-52	10YR6/6 brownish yellow silt loam		NCM
432	Negative	I:0-14	10YR5/3 brown silty clay		NCM
432		II:15-44	10YR6/6 brownish yellow silt loam		NCM
433	Negative	I:0-32	10YR4/3 brown silt loam	30% gravel	NCM
434	Negative	I:0-34	10YR4/3 brown silt loam	10% gravel	NCM
434		II:34-60	10YR5/4 yellowish brown silt loam	Very few gravels	NCM
435	Negative	I:0-21	10YR4/3 brown silt loam	10% gravel	NCM
435		II:21-28	7.5YR4/6 strong brown silt loam	40% gravel and cobble	NCM
436	Negative	I:0-20	10YR4/3 brown silt loam	15% gravel	NCM
436		II:20-27	7.5YR5/6 strong brown silt loam	40% gravel and cobble	NCM
437	Negative	I:0-17	10YR4/3 brown silt loam	10% gravel	NCM
437		II:17-31	10YR5/6 yellowish brown silt loam	30% gravel and cobble	NCM
438	No Dig			Paved airport runway	NCM
439	No Dig			Paved airport runway	NCM
440	Negative	I:0-18	10YR4/3 brown silt loam	15% gravel	NCM
440		II:18-34	10YR5/6 yellowish brown silt loam	40% gravel	NCM
441	Negative	I:0-20	10YR4/3 brown silt loam	25% gravel and cobble	NCM
441		II:20-30	10YR5/8 yellowish brown silty clay loam	50% gravel and cobble	NCM
442	Negative	I:0-19	10YR4/3 brown silt loam	10% gravel	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
442		II:19-26	10YR5/2 grayish brown sand	50% gravel	NCM
443	Negative	I:0-30	10YR4/3 brown silt loam		NCM
443		II:30-45	10YR5/6 yellowish brown silty clay loam		NCM
444	Negative	I:0-28	10YR2/1 black loam	Boulder field on hilltop	NCM
445	Negative	I:0-36	10YR4/3 brown silt loam	Roots and few gravels	NCM
445		II:36-56	10YR5/6 yellowish brown silty clay loam	Very few gravels and roots	NCM
446	Negative	I:0-41	10YR4/3 brown silt loam	5% gravel	NCM
446		II:41-65	10YR5/4 yellowish brown silt loam	Very few gravels	NCM
447	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
447		II:15-35	10YR6/4 light yellowish brown clay		NCM
448	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
448		II:20-40	10YR6/4 light yellowish brown clay		NCM
449	Negative	I:0-18	10YR4/2 dark grayish brown silt loam		NCM
449		II:18-38	10YR5/6 yellowish brown silt loam		NCM
450	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
450		II:20-40	10YR6/4 light yellowish brown clay		NCM
451	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
451		II:10-30	10YR6/4 light yellowish brown clay		NCM
452	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
452		II:25-35	10YR6/4 light yellowish brown clay		NCM
453	Negative	I:0-25	10YR5/3 brown silty clay	Low 20% gravel.	NCM
453		II:25-59	10YR4/4 dark yellowish brown sandy loam	25% approx of gravel.	NCM
454	Negative	I:0-45	10YR4/3 brown silt loam	10-25% rounded gravels and cobbles	NCM
454		II:45-65	10YR4/2 dark grayish brown loamy sand	25-50% rounded and angular gravels	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
455	Negative	I:0-25	10YR5/4 yellowish brown silty clay	Estimate of 10 percent gravel. Minor vegetation	NCM
455		II:25-54	10YR6/4 light yellowish brown sandy clay loam	Estimate 10% small cobbles. Minor gravel	NCM
456	Negative	I:0-52	10YR4/3 brown silt loam	10-25% rounded gravels	NCM
456		II:52-72	10YR5/6 yellowish brown silt	No gravels	NCM
457	Negative	I:0-16	10YR5/3 brown silty clay	Grassy vegetation. Light gravel	NCM
457		II:16-38	10YR5/3 brown loamy sand	4 medium cobbles	NCM
458	Negative	I:0-23	10YR4/3 brown silt loam	10-25% rounded gravels and cobbles	NCM
458		II:23-43	7.5YR4/6 strong brown silt loam	25-50% rounded gravels	NCM
459	Negative	I:0-14	10YR5/3 brown silty clay	Light gravel	NCM
459		II:14-36	10YR4/4 dark yellowish brown sandy loam	Medium cobbles approx 30%	NCM
460	Negative	I:0-20	10YR4/3 brown silt loam	10-25% rounded gravels	NCM
460		II:20-40	7.5YR4/6 strong brown sandy loam	25-50% rounded and angular gravels and cobbles	NCM
461	No Dig				
462	Negative	I:0-12	10YR5/3 brown silty clay	Light gravel	NCM
462		II:12-36	10YR4/4 dark yellowish brown sandy loam	Approx 30 percent gravel and cobbles	NCM
463	Negative	I:0-22	10YR4/3 brown silt loam	10-25% rounded gravels	NCM
463		II:22-42	7.5YR4/6 strong brown sandy loam	25-50% rounded and angular gravels	NCM
464	Negative	I:0-25	10YR4/3 brown silt loam	Roots, 10-25% rounded gravels and cobbles	NCM
464		II:25-45	10YR4/2 dark grayish brown sandy loam	25-50% round and angular gravels	NCM
465	Negative	I:0-12	10YR3/2 very dark grayish brown silt loam	Located on rocky slope, roots throughout, 10-25% rounded and angular gravels	NCM
465		II:12-32	10YR5/6 yellowish brown silt loam	Few gravels	NCM
466	Negative	I:0-48	10YR4/3 brown silt loam	10-25% rounded cobbles and gravels, rock impasse at approximately 48cmbs	NCM
467	Negative	I:0-25	10YR4/6 dark yellowish brown silt loam		NCM
467		II:25-45	10YR5/6 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
468	Negative	I:0-18	10YR4/6 dark yellowish brown silt loam		NCM
468		II:18-38	10YR5/6 yellowish brown silt loam		NCM
469	Negative	I:0-26	10YR4/6 dark yellowish brown silt loam		NCM
469		II:26-46	10YR5/6 yellowish brown silty clay loam		NCM
470	Negative	I:0-24	10YR4/6 dark yellowish brown silt loam		NCM
470		II:24-44	10YR5/6 yellowish brown silt loam		NCM
471	Negative	I:0-20	10YR4/6 dark yellowish brown silt loam		NCM
471		II:20-40	10YR5/6 yellowish brown silty clay loam		NCM
472	Negative	I:0-25	10YR4/6 dark yellowish brown silt loam		NCM
472		II:25-45	10YR5/6 yellowish brown silty clay loam		NCM
473	Negative	I:0-24	10YR4/6 dark yellowish brown silt loam		NCM
473		II:24-44	10YR5/6 yellowish brown silty clay loam		NCM
474	Negative	I:0-25	10YR4/6 dark yellowish brown silt loam		NCM
474		II:25-45	10YR5/6 yellowish brown silty clay loam		NCM
475	Negative	I:0-30	10YR4/6 dark yellowish brown silt loam		NCM
475		II:30-50	10YR5/6 yellowish brown silt loam		NCM
476	Negative	I:0-27	10YR4/6 dark yellowish brown silt loam		NCM
476		II:27-45	10YR5/6 yellowish brown silt loam		NCM
477	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
477		II:15-35	10YR5/4 yellowish brown silty clay	50% gravels	NCM
478	Negative	I:0-13	10YR4/3 brown silt loam		NCM
478		II:13-36	10YR5/4 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
479	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
479		II:30-50	10YR5/4 yellowish brown silty clay	50% gravels	NCM
480	Negative	I:0-13	10YR4/3 brown silt loam		NCM
480		II:13-40	10YR5/4 yellowish brown silt		NCM
481	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
481		II:25-45	10YR5/4 yellowish brown silty clay	50% gravels	NCM
482	Negative	I:0-11	10YR4/3 brown silt loam		NCM
482		II:-	10YR5/4 yellowish brown silt		NCM
483	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
483		II:10-30	10YR5/4 yellowish brown silty clay	50% gravels	NCM
484	Negative	I:0-10	10YR4/3 brown silt loam		NCM
484		II:10-32	10YR5/4 yellowish brown silt		NCM
485	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
485		II:10-20	10YR5/4 yellowish brown silty clay	75% gravels	NCM
486	No Dig			Runway	NCM
487	No Dig			Runway	NCM
488	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
488		II:20-40	10YR6/4 light yellowish brown silty clay	25% gravels	NCM
489	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam	10% gravels	NCM
489		II:25-45	10YR6/4 light yellowish brown silty clay	25% shale	NCM
490	Negative	I:0-12	10YR4/3 brown silt loam	Photo 11-11-2021 11.17.19 AM.jpg	NCM
490		II:12-40	10YR5/6 yellowish brown silty clay loam		NCM
491	Negative	I:0-18	10YR4/3 brown silt loam		NCM
491		II:18-38	10YR5/6 yellowish brown silty clay loam		NCM
492	Negative	I:0-16	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
492		II:16-42	10YR5/6 yellowish brown silty clay loam		NCM
493	Negative	I:0-8	10YR4/3 brown silt loam	Photo 11-11-2021 10.48.51 AM.jpg	NCM
493		II:8-14	10YR5/6 yellowish brown silt loam		NCM
494	Negative	I:0-23	10YR4/3 brown silt loam		NCM
494		II:23-46	10YR5/6 yellowish brown silt loam		NCM
495	Negative	I:0-17	10YR4/3 brown silt loam		NCM
495		II:17-39	10YR5/6 yellowish brown silty clay loam		NCM
496	Negative	I:0-21	10YR4/3 brown silt loam		NCM
496		II:21-37	10YR5/6 yellowish brown silty clay loam		NCM
496		III:37-46	10YR5/4 yellowish brown silt		NCM
497	Negative	I:0-18	10YR4/3 brown silt loam		NCM
497		II:18-37	10YR5/6 yellowish brown silty clay loam		NCM
497		III:37-40	10YR5/4 yellowish brown silt		NCM
498	Negative	I:0-20	10YR4/3 brown silt loam		NCM
498		II:20-32	10YR5/6 yellowish brown silty clay loam		NCM
498		III:32-41	10YR5/4 yellowish brown silt		NCM
499	Negative	I:0-18	10YR4/3 brown silt loam		NCM
499		II:18-40	10YR5/6 yellowish brown silty clay loam		NCM
500	Negative	I:0-19	10YR4/3 brown silt loam	Photo 11-11-2021 9.18.23 AM.jpg	NCM
500		II:19-46	10YR5/6 yellowish brown silt loam		NCM
501	Negative	I:0-26	10YR4/3 brown silt loam		NCM
501		II:26-48	10YR5/6 yellowish brown silty clay loam		NCM
502	No Dig				
503	Negative	I:0-24	10YR4/3 brown silt loam	15% gravel and cobble	NCM
503		II:24-33	10YR5/6 yellowish brown silt loam	40% gravel and cobble	NCM
504	Negative	I:0-41	10YR4/3 brown silt loam	5% gravel	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
504		II:41-63	10YR5/4 yellowish brown silty clay loam	5% gravel	NCM
505	Negative	I:0-27	10YR4/3 brown silt loam	5% gray	NCM
505		II:27-45	10YR5/4 yellowish brown silty clay loam	5% gravel	NCM
505		III:45-55	10YR5/2 grayish brown silty clay	Channers and 5% gravel	NCM
506	Negative	I:0-33	10YR4/2 dark grayish brown silt loam	10% gravel	NCM
506		II:33-54	10YR5/4 yellowish brown silty clay loam	15% gravel	NCM
507	Negative	I:0-34	10YR4/3 brown silt loam	10% gravel	NCM
507		II:34-55	10YR5/4 yellowish brown silty clay loam	10% gravel	NCM
508	Negative	I:0-31	10YR4/3 brown silt loam	15% gravel	NCM
508		II:31-51	7.5YR4/6 strong brown silt loam	20% gravel	NCM
509	Negative	I:0-35	10YR4/2 dark grayish brown silt loam	15% gravel	NCM
509		II:35-42	10YR5/3 brown silty clay loam	35% gravel	NCM
510	Negative	I:0-22	10YR4/3 brown silt loam		NCM
510		II:22-34	10YR5/4 yellowish brown		NCM
511	Negative	I:0-11	10YR4/3 brown silt loam		NCM
511		II:11-35	10YR5/4 yellowish brown		NCM
512	Negative	I:0-8	10YR4/3 brown silt loam		NCM
512		II:8-34	10YR5/6 yellowish brown silt loam		NCM
513	No Dig			Runway	NCM
514	No Dig			Runway	NCM
515	Negative	I:0-5	10YR2/2 very dark brown silty clay loam		NCM
515		II:5-11	10YR4/2 dark grayish brown silty clay loam		NCM
515		III:11-34	10YR5/6 yellowish brown silty clay loam		NCM
516	Negative	I:0-4	10YR2/2 very dark brown silty clay loam		NCM
516		II:4-11	10YR4/3 brown silty clay loam		NCM
516		III:11-38	10YR5/6 yellowish brown silty clay loam		NCM
517	Negative	I:0-10	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
517		II:10-39	10YR5/4 yellowish brown silt loam		NCM
518	Negative	I:0-12	10YR4/3 brown silt loam		NCM
518		II:12-36	10YR5/6 yellowish brown silt loam		NCM
519	Negative	I:0-11	10YR4/3 brown silt loam		NCM
519		II:11-27	10YR5/6 yellowish brown silt loam		NCM
520	Negative	I:0-9	10YR4/3 brown silt loam		NCM
520		II:9-35	10YR5/6 yellowish brown silt loam		NCM
521	Negative	I:0-9	10YR4/3 brown silt loam		NCM
521		II:9-32	10YR5/6 yellowish brown		NCM
522	Negative	I:0-8	10YR4/3 brown silt loam		NCM
522		II:8-37	10YR5/4 yellowish brown silty clay loam		NCM
523	Negative	I:0-9	10YR4/3 brown silt loam		NCM
523		II:9-33	10YR5/4 yellowish brown silty clay loam		NCM
524	Negative	I:0-13	10YR4/3 brown silt loam		NCM
524		II:13-42	10YR5/6 yellowish brown silty clay loam		NCM
525	Negative	I:0-8	10YR4/3 brown silt loam		NCM
525		II:8-34	10YR5/6 yellowish brown silty clay loam		NCM
526	Negative	I:0-9	10YR4/3 brown silt loam		NCM
526		II:8-41	10YR5/4 yellowish brown silty clay loam		NCM
527	Negative	I:0-35	10YR4/3 brown silt loam		NCM
527		II:35-55	10YR5/6 yellowish brown silt loam		NCM
528	Negative	I:0-27	10YR4/3 brown silt loam		NCM
528		II:27-52	10YR5/6 yellowish brown silt loam		NCM
529	Negative	I:0-21	10YR5/4 yellowish brown silty clay	Light gravel 10 %	NCM
529		II:21-59	10YR4/4 dark yellowish brown sandy clay loam	20% approx cobbles and gravel	NCM
530	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
530		II:25-45	10YR5/4 yellowish brown silty clay	25% gravels	NCM
531	Negative	I:0-24	10YR4/3 brown silty clay	Approx 5% gravel.	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
531		II:24-56	10YR5/4 yellowish brown sandy loam	~10% large cobble. Slate stones. Quartzite stones	NCM
532	Negative	I:0-26	10YR4/3 brown silty clay	~30% gravel.	NCM
532		II:26-59	10YR5/3 brown sandy clay loam	Mudstone Cobbles and rocks ~25%	NCM
533	Negative	I:0-27	10YR4/3 brown silty clay	~45% gravel	NCM
533		II:27-60	10YR5/4 yellowish brown sandy clay loam	~10% mudstone cobbles and rocks	NCM
534	Negative	I:0-29	10YR4/3 brown silty clay	~40% gravel. 2 granitic crystalline halved rocks	NCM
534		II:29-63	10YR5/4 yellowish brown sandy clay loam	Medium cobbles.	NCM
535	Negative	I:0-31	10YR4/4 dark yellowish brown silty clay	~30% gravel. A broken kitchen steak knife with 2 tone blue/white handle was found ~5cm under top layer. It was reburied for year 6000 archaeologists.	NCM
535		II:31-54	10YR5/4 yellowish brown sandy clay loam	~20% cobbles.	NCM
536	Positive	I:0-29	10YR5/4 yellowish brown silty clay	1 whiteware fragment collected. Bagged and labeled. ~25% gravel.	Ceramics
536		II:29-55	10YR4/4 dark yellowish brown sandy clay loam	~10% cobbles. Shale rock fragments	NCM
537	Negative	I:0-31	10YR5/3 brown silty clay	~10% gravel	NCM
537		II:31-64	10YR4/4 dark yellowish brown sandy clay loam	~20% cobbles	NCM
538	Positive	I:0-29	10YR4/4 dark yellowish brown silty clay	3 pieces of clear bottle glass recovered. ~10% gravel	Glass
538		II:29-51	10YR5/2 grayish brown sandy clay loam		NCM
539	Negative	I:0-35	10YR5/3 brown silty clay	~10% gravel	NCM
539		II:35-46	10YR5/2 grayish brown silty clay	~25% cobbles	NCM
540	No Dig			Runway	NCM
541	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
541		II:25-45	10YR5/4 yellowish brown clay		NCM
542	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
543	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
543		II:30-50	10YR6/4 light yellowish brown silty clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
544	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
544		II:30-50	10YR6/4 light yellowish brown clay		NCM
545	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
545		II:30-50	10YR6/4 light yellowish brown clay		NCM
546	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
546		II:25-45	10YR6/4 light yellowish brown clay		NCM
547	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
547		II:10-30	10YR6/4 light yellowish brown clay		NCM
548	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
548		II:20-40	10YR6/4 light yellowish brown clay		NCM
549	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
549		II:15-35	10YR6/4 light yellowish brown clay		NCM
550	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
550		II:20-40	10YR6/4 light yellowish brown clay		NCM
551	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
552	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
552		II:25-45	10YR6/4 light yellowish brown clay		NCM
553	No Dig				
554	Negative	I:0-13	10YR4/3 brown silt loam		NCM
554		II:13-30	10YR5/4 yellowish brown silt loam	About 13 large and medium rocks throughout Strats I and II	NCM
555	Negative	I:0-15	10YR4/3 brown silt loam		NCM
555		II:15-39	10YR5/3 brown silt loam		NCM
556	Negative	I:0-17	10YR4/3 brown silt loam		NCM
556		II:17-49	10YR5/3 brown silt loam		NCM
557	Negative	I:0-23	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
557		II:23-44	10YR5/4 yellowish brown silt loam		NCM
558	Negative	I:0-19	10YR5/3 brown silt loam		NCM
558		II:19-55	10YR5/4 yellowish brown silt loam		NCM
559	Negative	I:0-14	10YR5/3 brown silt loam		NCM
559		II:14-43	10YR5/4 yellowish brown silt loam		NCM
560	Negative	I:0-10	10YR4/3 brown silt loam		NCM
560		II:10-34	10YR5/6 yellowish brown silt		NCM
561	Negative	I:0-11	10YR4/3 brown silt loam		NCM
561		II:11-38	10YR5/6 yellowish brown silt loam		NCM
562	Negative	I:0-12	10YR4/3 brown silt loam		NCM
562		II:12-37	10YR5/6 yellowish brown silt		NCM
563	Negative	I:0-18	10YR4/4 dark yellowish brown silt loam		NCM
563		II:18-40	10YR5/6 yellowish brown silt loam		NCM
564	Negative	I:0-11	10YR4/3 brown silt loam		NCM
564		II:11-32	10YR5/6 yellowish brown silt		NCM
565	Negative	I:0-10	10YR4/3 brown silt loam		NCM
565		II:10-32	10YR/ COLOR NOT CODED silt		NCM
566	Negative	I:0-12	10YR4/3 brown silt loam		NCM
567	Negative	I:0-25	10YR4/3 brown silt loam		NCM
567		II:25-45	10YR5/4 yellowish brown silt loam		NCM
568	Negative	I:0-22	10YR4/3 brown silt loam		NCM
569	Negative	I:0-32	10YR4/3 brown silt loam		NCM
569		II:32-52	10YR5/4 yellowish brown silt loam		NCM
570	Negative	I:0-20	10YR3/3 dark brown silt loam		NCM
570		II:20-40	10YR5/4 yellowish brown silt loam		NCM
571	Negative	I:0-12	10YR3/3 dark brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
571		II:12-32	10YR5/6 yellowish brown silt loam		NCM
572	Negative	I:0-19	10YR4/3 brown silt loam		NCM
572		II:19-39	10YR5/6 yellowish brown silt loam		NCM
573	Negative	I:0-20	10YR4/3 brown silt loam		NCM
573		II:20-40	10YR5/6 yellowish brown silt loam		NCM
574	Negative	I:0-17	10YR3/3 dark brown silt loam		NCM
574		II:17-37	10YR5/4 yellowish brown silt loam		NCM
575	No Dig				
576	No Dig				
577	Negative	I:0-14	10YR4/3 brown silt loam		NCM
578	Negative	I:0-20	10YR4/3 brown silt loam		NCM
578		II:20-40	10YR5/4 yellowish brown silty clay loam		NCM
579	Negative	I:0-30	10YR4/3 brown silt loam	10% gravel	NCM
579		II:30-55	10YR5/4 yellowish brown silt loam	10% gravel	NCM
579		III:55-60	10YR4/4 dark yellowish brown loamy sand	20% gravel and channers	NCM
580	Negative	I:0-40	10YR4/3 brown silt loam	15% gravel	NCM
580		II:40-61	10YR5/4 yellowish brown silty clay loam	20% gravel	NCM
581	Negative	I:0-27	10YR4/3 brown silt loam	15% gravel	NCM
581		II:27-35	10YR4/6 dark yellowish brown silt loam	30% gravel and cobble	NCM
582	Negative	I:0-33	10YR4/3 brown silt loam	15% gravel	NCM
582		II:33-47	10YR4/6 dark yellowish brown silt loam	30% gravel and cobble	NCM
583	Negative	I:0-25	10YR4/3 brown silt loam	15% gravel	NCM
583		II:25-31	10YR5/3 brown silt loam	30% gravel and cobble	NCM
584	Negative	VI:0-34	10YR4/3 brown silt loam	10% gravel	NCM
584		II:34-55	10YR4/6 dark yellowish brown silt loam	25% gravel	NCM
585	Negative	I:0-28	10YR4/3 brown silt loam	20% gravel	NCM
585		II:28-35	10YR4/6 dark yellowish brown silt loam	30% gravel and cobble	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
586	Negative	I:0-22	10YR4/3 brown silt loam	15% gravel	NCM
586		II:22-34	10YR4/6 dark yellowish brown silt loam	30% gravel and decayed shale	NCM
587	Negative	I:0-17	10YR4/3 brown silt loam	15% gravel	NCM
587		II:17-28	10YR4/6 dark yellowish brown silt loam	30% gravel and cobble	NCM
588	Negative	I:0-16	10YR3/2 very dark grayish brown silt loam	15% gravel	NCM
588		II:16-27	10YR4/6 dark yellowish brown silt loam	30% gravel	NCM
589	Negative	I:0-19	10YR3/2 very dark grayish brown silt loam	20% gravel with asphalt chunks	NCM
589		II:19-40	10YR4/6 dark yellowish brown silt loam	25% gravel	NCM
590	Negative	I:0-8	10YR3/2 very dark grayish brown silt loam	15% gravel	NCM
590		II:8-30	7.5YR4/6 strong brown silt loam	30% gravel	NCM
591	Negative	I:24-50	10YR4/3 brown silt loam		NCM
591		II:24-50	10YR5/4 yellowish brown silt loam		NCM
592	Negative	I:0-36	10YR4/3 brown silt loam		NCM
592		II:36-50	10YR5/4 yellowish brown silt loam		NCM
592		III:50-53	10YR5/6 yellowish brown loamy sand		NCM
593	Negative	I:0-24	10YR4/3 brown silt loam		NCM
593		II:24-47	10YR4/6 dark yellowish brown sandy loam		NCM
593		III:47-53	10YR4/6 dark yellowish brown sand		NCM
594	Negative	I:0-34	10YR4/3 brown silt loam		NCM
594		II:34-54	10YR5/4 yellowish brown silty clay loam		NCM
595	Negative	I:0-31	10YR4/3 brown silt loam		NCM
595		II:31-53	10YR5/4 yellowish brown silty clay loam		NCM
596	Negative	I:0-11	10YR4/2 dark grayish brown silt loam		NCM
596		II:11-17	10YR5/6 yellowish brown silt loam		NCM
597	Negative	I:0-9	10YR4/1 dark gray silt loam		NCM
597		II:9-18	10YR5/6 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
598	Negative	I:0-13	10YR4/1 dark gray silt loam		NCM
598		II:13-21	10YR4/6 dark yellowish brown		NCM
599	Negative	I:0-18	10YR4/3 brown silt loam		NCM
599		II:18-36	10YR4/1 dark gray silty clay	Strat II is a thin layer of grey, orange (7.5YR 5/8), and black(10YR 2/1), with red sandstone and ash spotted throughout. 1 small piece of burnt root	NCM
599		III:36-55	10YR4/4 dark yellowish brown silty clay		NCM
599		IV:55-70	10YR5/4 yellowish brown silty clay	Small piece of charcoal	NCM
600	Negative	I:0-31	10YR4/3 brown silty clay		NCM
600		II:31-46	10YR5/6 yellowish brown sandy loam		NCM
601	Negative	I:0-19	10YR4/3 brown silty clay		NCM
601		II:19-41	10YR6/8 brownish yellow silty clay loam		NCM
602	Negative	I:0-66	10YR3/3 dark brown silty clay		NCM
602		I:0-54	10YR4/3 brown silt loam		NCM
603	Negative	I:0-33	10YR4/3 brown silt loam	10% gravel	NCM
603		II:33-54	10YR5/4 yellowish brown silty clay loam	15% gravel	NCM
604	Negative	I:0-32	10YR4/3 brown silt loam	10% gravel	NCM
604		II:32-55	10YR5/4 yellowish brown silt loam	15% gravel	NCM
605	Negative	I:0-49	10YR4/3 brown silt loam	10% gravel	NCM
605		II:49-70	10YR5/4 yellowish brown silty clay loam	15% gravel	NCM
606	Negative	I:0-24	10YR4/3 brown silt loam	25% gravel and cobble	NCM
606		II:24-30	10YR4/6 dark yellowish brown silt loam	30% gravel and cobble	NCM
607	Negative	I:0-21	10YR4/3 brown silt loam	10% gravel	NCM
607		II:21-28	10YR4/6 dark yellowish brown silt loam	30% gravel and cobble	NCM
608	Negative	I:0-21	10YR4/3 brown silt loam	20% gravel	NCM
608		II:21-28	10YR4/6 dark yellowish brown silt loam	30% gravel and cobble	NCM
609	Negative	I:0-19	10YR4/3 brown silt loam	20% gravel	NCM
609		II:19-30	10YR4/6 dark yellowish brown silt loam	30% gravel and cobble	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
610	Negative	I:0-14	10YR3/1 very dark gray silt loam	15% pea gravel I	NCM
610		II:14-30	10YR4/3 brown silt loam	20% gravel	NCM
610		III:30-41	10YR5/4 yellowish brown silt loam	30% gravel and cobble	NCM
611	Negative	I:0-3	10YR2/1 black loam	Bedrock fragments	NCM
611		II:3-12	10YR6/2 light brownish gray silt loam	Bedrock at BOE	NCM
612	Negative	I:0-5	10YR2/1 black loam	Bedrock fragments	NCM
612		II:5-20	10YR6/2 light brownish gray silt loam	Bedrock at BOE	NCM
613	Negative	I:0-19	10YR4/3 brown sandy loam	Very few gravels	NCM
613		II:19-24	10YR5/6 yellowish brown silty clay loam	Bedrock at BOE	NCM
614	Negative	I:0-12	10YR4/3 brown silt loam	Bedrock fragments	NCM
614		II:12-20	10YR7/1 light gray silt loam	Bedrock at BOE	NCM
615	Negative	I:0-25	10YR4/3 brown silt loam	30% gravel and cobble	NCM
616	Negative	I:0-17	10YR4/3 brown sandy loam		NCM
616		II:17-41	10YR5/4 yellowish brown		NCM
617	Negative	I:0-18	10YR4/3 brown silt loam		NCM
617		II:18-39	10YR5/4 yellowish brown silt		NCM
618	Negative	I:0-19	10YR4/3 brown silt loam		NCM
618		II:19-41	10YR5/6 yellowish brown silt		NCM
619	Negative	I:0-18	10YR4/3 brown silt loam		NCM
619		II:18-39	10YR5/6 yellowish brown silt loam		NCM
620	Negative	I:0-12	10YR4/3 brown silt loam		NCM
620		II:12-34	10YR5/4 yellowish brown silt loam		NCM
621	Negative	I:0-10	10YR4/3 brown silt loam		NCM
621		II:10-36	10YR5/6 yellowish brown silt		NCM
622	Negative	I:0-11	10YR4/3 brown silt loam		NCM
622		II:11-32	10YR5/6 yellowish brown silt		NCM
623	Negative	I:0-38	10YR4/3 brown silt loam		NCM
623		II:38-58	10YR5/6 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
624	Negative	I:0-35	10YR4/3 brown silt loam		NCM
624		II:35-60	10YR5/6 yellowish brown silt		NCM
625	Negative	I:0-45	10YR4/3 brown silt loam		NCM
626	Negative	I:0-27	10YR4/3 brown silt loam		NCM
626		II:27-50	10YR5/6 yellowish brown silt		NCM
627	Negative	I:0-57	10YR4/3 brown silt loam		NCM
627		II:57-80	10YR5/6 yellowish brown silt loam		NCM
628	Negative	I:0-53	10YR4/3 brown silt loam		NCM
628		II:53-75	10YR5/6 yellowish brown silt loam		NCM
629	Negative	I:0-11	10YR4/3 brown silt loam		NCM
629		II:11-38	10YR5/4 yellowish brown silt		NCM
630	Negative	I:0-10	10YR4/3 brown silt loam		NCM
630		II:10-32	10YR5/4 yellowish brown silt		NCM
631	Negative	I:0-9	10YR4/3 brown silt loam		NCM
631		II:9-31	10YR5/4 yellowish brown silt		NCM
632	Negative	I:0-8	10YR4/3 brown silt loam		NCM
632		II:8-31	10YR5/6 yellowish brown silt		NCM
633	Negative	I:0-13	10YR4/3 brown silt loam		NCM
633		II:13-41	10YR5/6 yellowish brown silt		NCM
634	Negative	I:0-9	10YR4/3 brown silt loam		NCM
634		II:9-39	10YR5/4 yellowish brown silt loam		NCM
635	Negative	I:0-35	10YR4/3 brown silt loam		NCM
636	Negative	I:0-25	10YR4/3 brown silt loam		NCM
636		II:25-45	10YR5/6 yellowish brown silty clay loam		NCM
637	Negative	I:0-15	10YR4/3 brown silt loam		NCM
637		II:15-35	10YR4/2 dark grayish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
638	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
638		II:30-50	10YR5/4 yellowish brown silty clay		NCM
639	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
639		II:10-30	10YR5/4 yellowish brown silty clay		NCM
640	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
640		II:15-35	10YR5/4 yellowish brown silty clay		NCM
641	Negative	I:0-30	10YR3/4 dark yellowish brown sandy clay loam		NCM
641		II:30-50	10YR5/4 yellowish brown silty clay		NCM
642	Negative	I:0-40	10YR3/4 dark yellowish brown sandy clay loam		NCM
642		II:40-60	10YR4/2 dark grayish brown sandy clay		NCM
643	Negative	I:0-25	10YR3/4 dark yellowish brown sandy clay loam		NCM
643		II:25-45	10YR4/2 dark grayish brown loamy sand		NCM
644	Negative	I:0-35	10YR3/4 dark yellowish brown silty clay loam		NCM
645	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
646	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
646		II:20-35	10YR5/4 yellowish brown silty clay		NCM
647	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
647		II:25-35	10YR5/4 yellowish brown loamy sand	25% gravels and large cobbles at base	NCM
648	Negative	I:0-22	10YR3/4 dark yellowish brown silty clay loam		NCM
648		II:22-38	10YR5/4 yellowish brown loamy sand		NCM
649	Negative	I:0-20	10YR3/4 dark yellowish brown sandy clay loam		NCM
649		II:20-40	10YR5/4 yellowish brown loamy sand	25% gravels	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
650	Negative	I:0-20	10YR3/4 dark yellowish brown sandy clay loam		NCM
650		II:20-40	10YR5/4 yellowish brown loamy sand	25% gravels	NCM
651	Negative	I:0-20	10YR3/4 dark yellowish brown sandy clay loam		NCM
651		II:20-40	10YR5/4 yellowish brown sandy clay	25% gravels	NCM
652	Negative	I:0-25	10YR3/4 dark yellowish brown sandy clay loam		NCM
652		II:25-45	10YR6/4 light yellowish brown sandy clay	25% gravels	NCM
653	Negative	I:0-40	10YR3/4 dark yellowish brown sandy clay loam		NCM
653		II:40-60	10YR5/4 yellowish brown silty clay		NCM
654	Negative	I:0-40	10YR3/4 dark yellowish brown silty clay loam		NCM
654		II:40-60	10YR6/4 light yellowish brown silty clay		NCM
655	Negative	I:0-40	10YR3/4 dark yellowish brown silty clay loam		NCM
655		II:40-50	10YR5/4 yellowish brown silty clay		NCM
656	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
656		II:25-45	10YR6/4 light yellowish brown clay		NCM
657	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
657		II:10-30	10YR6/4 light yellowish brown clay		NCM
658	Negative	I:0-40	10YR4/3 brown silt loam		NCM
658		II:40-60	10YR5/4 yellowish brown silt loam		NCM
659	Negative	I:0-30	10YR4/3 brown silt loam		NCM
659		II:30-50	7.5YR4/6 strong brown silt loam		NCM
660	Negative	I:0-36	10YR4/3 brown silt loam		NCM
660		II:36-56	7.5YR4/6 strong brown sandy loam		NCM
661	Negative	I:0-22	10YR4/3 brown silt loam		NCM
661		II:22-42	7.5YR4/6 strong brown sandy loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
662	Negative	I:0-24	10YR4/3 brown silt loam		NCM
662		II:24-44	10YR5/4 yellowish brown sandy loam		NCM
663	Negative	I:0-27	10YR4/3 brown silt loam		NCM
663		II:27-47	7.5YR4/6 strong brown silt loam		NCM
664	Negative	I:0-20	10YR4/3 brown silt loam		NCM
664		II:20-40	7.5YR4/6 strong brown sandy loam		NCM
665	Negative	I:0-19	10YR4/3 brown silt loam		NCM
665		II:19-27	10YR4/6 dark yellowish brown silt loam		NCM
666	Negative	I:0-40	10YR4/3 brown silt loam		NCM
666		II:40-60	10YR6/2 light brownish gray sand		NCM
667	Negative	I:0-49	10YR4/3 brown silt loam		NCM
667		II:49-70	10YR5/4 yellowish brown silty clay loam		NCM
668	Negative	I:0-23	10YR4/4 dark yellowish brown silty clay	~25% gravel	NCM
668		II:23-50	10YR6/6 brownish yellow silty clay loam	%30~ cobbles	NCM
669	Negative	I:0-32	10YR4/3 brown silt loam	10% gravel	NCM
669		II:32-55	10YR5/4 yellowish brown silty clay loam	Very few gravels	NCM
670	Negative	I:0-31	10YR5/6 yellowish brown silty clay	Gravel 30%	NCM
670		II:31-42	10YR6/6 brownish yellow sandy clay loam	~30 small cobbles	NCM
671	Negative	I:0-30	10YR4/3 brown silt loam	25% gravel	NCM
671		II:30-52	10YR6/2 light brownish gray loamy sand	30% gravel	NCM
672	Negative	I:0-19	10YR4/4 dark yellowish brown silty clay	~10% gravels.	NCM
672		II:19-52	10YR6/6 brownish yellow sandy clay loam	5% rocks	NCM
673	Negative	I:0-60	10YR6/3 pale brown silt loam	Very few gravels	NCM
673		II:60-81	10YR5/4 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
674	Negative	I:0-21	10YR4/4 dark yellowish brown sandy clay	~30% gravel. Roots.	NCM
674		II:21-52	10YR5/2 grayish brown sandy clay loam	~10% cobbles	NCM
675	Negative	I:0-23	10YR4/3 brown silt loam	Few Bedrock fragments	NCM
675		II:23-45	10YR6/4 light yellowish brown silt loam	Large rock obstruction, was excavated around.	NCM
676	Negative	I:0-24	10YR4/3 brown silty clay	~30% gravel. 3 roots	NCM
676		II:24-55	10YR5/2 grayish brown sandy clay	10 percent cobbles.	NCM
677	Negative	I:0-31	10YR4/3 brown		NCM
677		II:31-39	10YR4/6 dark yellowish brown silt loam		NCM
678	Negative	I:0-21	10YR4/3 brown silt loam		NCM
678		II:21-34	10YR4/6 dark yellowish brown silt loam		NCM
679	Negative	I:0-30	10YR4/3 brown silt loam		NCM
679		II:30-37	10YR4/6 dark yellowish brown silt loam		NCM
680	Negative	I:0-32	10YR4/3 brown silt loam		NCM
680		II:32-38	10YR4/6 dark yellowish brown silt loam		NCM
681	Negative	I:0-8	10YR4/3 brown silt loam		NCM
681		II:8-21	10YR4/6 dark yellowish brown silt loam		NCM
682	Negative	I:0-23	10YR5/4 yellowish brown silty clay		NCM
682		II:23-62	10YR4/4 dark yellowish brown silty clay loam		NCM
683	Negative	I:0-20	10YR4/3 brown silt loam		NCM
683		II:20-50	10YR4/6 dark yellowish brown loamy sand		NCM
684	Negative	I:0-24	10YR4/3 brown silt loam		NCM
684		II:24-52	10YR4/6 dark yellowish brown loamy sand		NCM
685	Negative	I:0-27	10YR4/3 brown silt loam		NCM
685		II:27-47	7.5YR4/6 strong brown sandy loam		NCM
686	Negative	I:0-28	10YR4/3 brown silt loam		NCM
686		II:28-48	7.5YR4/6 strong brown sandy loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
687	Negative	I:0-27	10YR4/3 brown silt loam		NCM
687		II:27-47	7.5YR4/6 strong brown sandy loam		NCM
688	Negative	I:0-31	10YR4/3 brown silt loam		NCM
688		II:31-51	10YR4/4 dark yellowish brown sandy loam		NCM
689	Negative	I:0-33	10YR4/3 brown silt loam		NCM
689		II:33-53	10YR5/6 yellowish brown silt loam		NCM
690	Negative	I:0-32	10YR4/3 brown silt loam		NCM
690		II:32-52	10YR5/6 yellowish brown silt loam		NCM
691	Negative	I:0-22	10YR4/3 brown silt loam		NCM
691		II:22-42	10YR4/2 dark grayish brown sandy loam		NCM
692	Negative	I:0-28	10YR4/3 brown silt loam		NCM
692		II:28-48	10YR5/6 yellowish brown silt loam		NCM
693	Negative	I:0-33	10YR4/3 brown silt loam		NCM
693		II:33-53	10YR5/6 yellowish brown silty clay loam		NCM
694	Negative	I:0-13	10YR3/2 very dark grayish brown silt loam		NCM
694		II:13-33	10YR5/6 yellowish brown silty clay loam		NCM
695	Negative	I:0-23	10YR4/3 brown silt loam		NCM
695		II:23-45	10YR5/6 yellowish brown silty clay loam		NCM
696	Negative	I:0-27	10YR4/3 brown silt loam		NCM
696		II:27-48	10YR5/4 yellowish brown silty clay loam		NCM
697	Negative	I:0-32	10YR4/3 brown silt loam		NCM
697		II:32-60	10YR5/6 yellowish brown sandy clay loam		NCM
698	Negative	I:0-22	10YR5/4 yellowish brown silty clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
698		II:22-54	10YR4/4 dark yellowish brown sandy loam		NCM
699	Negative	I:0-31	10YR4/3 brown silt loam		NCM
699		II:31-55	10YR5/6 yellowish brown sandy clay loam		NCM
700	Negative	I:0-22	10YR4/3 brown silty clay		NCM
700		II:23-58	10YR3/4 dark yellowish brown sandy clay loam		NCM
701	Negative	I:0-27	10YR4/3 brown silt loam		NCM
701		II:27-50	10YR5/6 yellowish brown silty clay loam		NCM
702	Negative	I:0-26	10YR4/3 brown silt loam		NCM
702		II:26-48	10YR5/6 yellowish brown silt loam		NCM
703	Negative	I:0-28	10YR4/3 brown silt loam		NCM
703		II:28-37	10YR5/6 yellowish brown silt loam		NCM
704	Negative	I:0-26	10YR4/3 brown silt loam		NCM
704		II:26-52	10YR5/6 yellowish brown silt loam		NCM
705	Negative	I:0-30	10YR4/3 brown silt loam		NCM
705		II:30-51	10YR5/6 yellowish brown silt loam		NCM
706	Negative	I:0-8	10YR5/2 grayish brown silt loam		NCM
706		II:8-17	10YR5/8 yellowish brown clay loam		NCM
706		III:17-25	10YR4/2 dark grayish brown silt loam		NCM
706		IV:25-34	10YR3/1 very dark gray silt loam		NCM
707	Negative	I:0-13	10YR4/2 dark grayish brown silt loam		NCM
708	Negative	I:0-16	10YR5/2 grayish brown silt loam		NCM
708		II:16-27	10YR4/2 dark grayish brown silt loam		NCM
708		III:24-35	10YR5/6 yellowish brown silty clay loam		NCM
708		IV:35-49	10YR4/2 dark grayish brown silty clay loam		NCM
708		V:49-70	10YR5/4 yellowish brown silty clay loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
709	Negative	I:0-24	10YR4/4 dark yellowish brown silty clay		NCM
709		II:24-62	10YR4/6 dark yellowish brown sandy loam		NCM
710	Negative	I:0-29	10YR4/3 brown silty clay		NCM
710		II:29-56	10YR5/4 yellowish brown sandy loam		NCM
711	Negative	I:0-24	10YR4/4 dark yellowish brown silty clay		NCM
711		II:24-51	10YR4/4 dark yellowish brown loamy sand		NCM
712	Negative	I:0-24	10YR4/4 dark yellowish brown silty clay		NCM
712		II:24-51	10YR4/4 dark yellowish brown loamy sand		NCM
713	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
713		II:15-35	10YR5/4 yellowish brown silty clay		NCM
714	Negative	I:0-24	10YR4/2 dark grayish brown silt loam		NCM
714		II:24-33	10YR5/3 brown silt loam		NCM
715	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
715		II:10-30	10YR5/4 yellowish brown silty clay		NCM
716	Negative	I:0-40	10YR3/4 dark yellowish brown silty clay loam		NCM
716		II:40-60	10YR6/4 light yellowish brown silty clay		NCM
717	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
717		II:25-45	10YR5/4 yellowish brown silty clay		NCM
718	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
719	No Dig				NCM
720	Negative	I:0-5	10YR3/4 dark yellowish brown silty clay loam		NCM
720		II:5-25	10YR5/4 yellowish brown clay		NCM
721	Negative	I:0-5	10YR3/4 dark yellowish brown silty clay loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
721		II:5-25	10YR6/4 light yellowish brown clay		NCM
722	Negative	I:0-26	10YR4/4 dark yellowish brown silty clay		NCM
722		II:26-57	10YR5/6 yellowish brown sandy loam		NCM
723	Negative	I:0-26	10YR5/3 brown silty clay		NCM
723		II:26-61	10YR6/6 brownish yellow sandy clay loam		NCM
724	Negative	I:0-30	10YR5/3 brown silty clay		NCM
724		II:30-48	10YR6/6 brownish yellow loamy sand		NCM
725	Negative	I:0-22	10YR4/3 brown silty clay		NCM
725		II:22-54	10YR5/3 brown sandy clay loam		NCM
726	Negative	I:0-22	10YR4/3 brown silty clay		NCM
726		II:22-43	10YR5/4 yellowish brown loamy sand		NCM
727	Negative	I:0-23	10YR4/3 brown silty clay		NCM
727		II:23-49	10YR5/4 yellowish brown loamy sand		NCM
728	Negative	I:0-28	10YR4/3 brown silty clay		NCM
728		II:28-47	10YR5/6 yellowish brown silt loam		NCM
729	Negative	I:0-26	10YR4/3 brown silt loam		NCM
729		II:26-33	10YR4/6 dark yellowish brown silt loam		NCM
730	Negative	I:0-28	10YR4/3 brown silt loam		NCM
730		II:28-53	10YR5/6 yellowish brown silt loam		NCM
730		III:53-56	10YR5/6 yellowish brown silt loam		NCM
731	Negative	I:0-21	10YR5/2 grayish brown silt loam		NCM
731		II:21-45	10YR5/6 yellowish brown silty clay loam		NCM
732	Negative	I:0-27	10YR5/2 grayish brown silt loam		NCM
732		II:27-50	10YR5/6 yellowish brown silty clay loam		NCM
733	Negative	I:0-34	10YR5/2 grayish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
733		II:34-37	10YR5/6 yellowish brown silt loam		NCM
734	Negative	I:0-17	10YR4/4 dark yellowish brown silt loam		NCM
734		II:17-39	10YR5/6 yellowish brown silty clay loam		NCM
735	Negative	I:0-22	10YR5/2 grayish brown silt loam		NCM
735		II:22-38	10YR5/4 yellowish brown silt loam		NCM
735		III:38-45	10YR5/6 yellowish brown silty clay loam		NCM
736	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
736		II:30-50	10YR5/4 yellowish brown clay loam		NCM
737	Negative	I:0-30	10YR3/4 dark yellowish brown sandy clay loam		NCM
737		II:30-50	10YR5/4 yellowish brown loamy sand		NCM
738	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
738		II:10-30	10YR5/4 yellowish brown silty clay		NCM
739	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
739		II:25-45	10YR5/4 yellowish brown silty clay		NCM
740	Negative	I:0-35	10YR3/4 dark yellowish brown silty clay loam		NCM
740		II:35-55	10YR5/4 yellowish brown silty clay		NCM
741	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
741		II:30-50	10YR5/4 yellowish brown silty clay		NCM
742	Negative	I:0-10	10YR3/4 dark yellowish brown sandy clay loam		NCM
742		II:10-30	10YR5/4 yellowish brown silty clay		NCM
743	Negative	I:0-10	10YR3/4 dark yellowish brown silty clay loam		NCM
743		II:10-30	10YR5/4 yellowish brown silty clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
744	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
744		II:20-40	10YR6/4 light yellowish brown clay loam		NCM
745	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
745		II:25-45	10YR6/4 light yellowish brown silty clay		NCM
746	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
746		II:25-45	10YR6/4 light yellowish brown silty clay		NCM
747	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
748	No Dig				NCM
749	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
749		II:20-30	10YR6/4 light yellowish brown silty clay		NCM
750	Negative	I:0-5	10YR3/4 dark yellowish brown sandy clay loam		NCM
750		II:5-25	10YR6/4 light yellowish brown silty clay		NCM
751	Negative	I:0-34	10YR4/3 brown silt loam		NCM
751		II:34-60	10YR5/4 yellowish brown silty clay loam		NCM
752	Negative	I:0-26	10YR4/3 brown sandy loam		NCM
752		II:26-37	10YR4/6 dark yellowish brown sandy loam		NCM
753	Negative	I:0-24	10YR4/3 brown silt loam		NCM
753		II:24-46	10YR5/4 yellowish brown silty clay loam		NCM
754	Negative	I:0-27	10YR4/3 brown silt loam		NCM
754		II:27-41	10YR5/4 yellowish brown silty clay loam		NCM
754		III:41-54	10YR4/6 dark yellowish brown sand		NCM
755	Negative	I:0-36	10YR4/3 brown silt loam		NCM
755		II:36-53	10YR5/6 yellowish brown silty clay loam		NCM
756	Negative	I:0-29	10YR4/3 brown silty clay loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
756		II:29-37	10YR5/4 yellowish brown silt loam		NCM
757	Negative	I:0-23	10YR4/3 brown silt loam		NCM
757		II:23-31	10YR5/6 yellowish brown silt loam		NCM
758	Negative	I:0-26	10YR4/3 brown silt loam		NCM
758		II:26-34	10YR5/6 yellowish brown silt loam		NCM
759	Negative	I:0-32	10YR4/3 brown silt loam		NCM
759		II:32-54	10YR5/6 yellowish brown silt loam		NCM
760	Negative	I:0-32	10YR4/3 brown silt loam		NCM
760		II:33-52	10YR5/6 yellowish brown silty clay loam		NCM
761	Negative	I:0-28	10YR4/3 brown silt loam		NCM
761		II:28-49	10YR5/4 yellowish brown silty clay loam		NCM
762	Negative	I:0-33	10YR4/3 brown silt loam		NCM
762		II:33-36	10YR5/6 yellowish brown silt loam		NCM
763	Negative	I:0-17	10YR4/3 brown silt loam		NCM
763		II:17-24	7.5YR4/6 strong brown silt loam		NCM
764	Negative	I:0-21	10YR4/3 brown silt loam		NCM
764		II:21-29	7.5YR4/6 strong brown silt loam		NCM
765	Negative	I:0-12	10YR3/2 very dark grayish brown silt loam		NCM
765		II:12-23	7.5YR4/6 strong brown		NCM
766	Negative	I:0-8	10YR2/1 black loam		NCM
766		II:8-15	10YR5/2 grayish brown silt loam		NCM
766		III:15-40	7.5YR4/6 strong brown silty clay loam		NCM
767	Negative	I:0-42	10YR4/3 brown silt loam		NCM
767		II:42-62	7.5YR4/6 strong brown sandy loam		NCM
768	Negative	I:0-39	10YR4/3 brown		NCM
768		II:39-59	10YR6/3 pale brown sandy clay loam		NCM
769	Negative	I:0-42	10YR4/3 brown silt loam		NCM
769		II:42-62	10YR6/3 pale brown sandy clay loam		NCM
770	Negative	I:0-41	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
770		II:41-61	10YR6/3 pale brown sandy loam		NCM
771	Negative	I:0-35	10YR4/3 brown silt loam		NCM
771		II:35-55	7.5YR4/6 strong brown sandy loam		NCM
772	Negative	I:0-23	10YR4/3 brown silt loam		NCM
772		II:23-43	7.5YR4/6 strong brown sandy loam		NCM
773	Negative	I:0-25	10YR4/3 brown silt loam		NCM
773		II:25-45	10YR4/6 dark yellowish brown sandy loam		NCM
774	Negative	I:0-31	10YR4/3 brown silt loam		NCM
774		II:31-51	7.5YR4/6 strong brown sandy loam		NCM
775	Negative	I:0-33	10YR4/3 brown silt loam		NCM
775		II:33-48	10YR5/4 yellowish brown silt loam		NCM
776	Negative	I:0-30	10YR4/3 brown silt loam		NCM
776		II:30-50	10YR5/4 yellowish brown silt loam		NCM
777	Negative	I:0-22	10YR4/3 brown silt loam		NCM
777		II:22-42	10YR5/6 yellowish brown silt loam		NCM
778	Negative	I:0-27	10YR4/3 brown silt loam		NCM
778		II:27-47	10YR5/4 yellowish brown silty clay loam		NCM
779	Negative	I:0-25	10YR4/3 brown silt loam		NCM
779		II:25-45	10YR5/6 yellowish brown silt loam		NCM
780	Negative	I:0-27	10YR4/3 brown silt loam		NCM
780		II:27-47	10YR5/6 yellowish brown silt loam		NCM
781	Negative	I:0-34	10YR4/3 brown silt loam		NCM
781		II:34-55	10YR5/6 yellowish brown silt		NCM
782	Negative	I:0-33	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
782		II:33-53	10YR7/2 light gray silt loam		NCM
783	Negative	I:0-17	10YR4/3 brown silt loam		NCM
783		II:17-42	10YR5/4 yellowish brown silt		NCM
784	Negative	I:0-31	10YR4/3 brown silt loam		NCM
784		II:31-57	10YR5/6 yellowish brown silt loam		NCM
785	Negative	I:0-21	10YR4/3 brown silt loam		NCM
785		II:21-42	10YR5/4 yellowish brown silt		NCM
786	Negative	I:0-16	10YR5/3 brown silt loam		NCM
786		II:16-49	10YR5/6 yellowish brown silty clay		NCM
787	Negative	I:0-19	10YR4/4 dark yellowish brown silt loam		NCM
787		II:19-38	10YR4/6 dark yellowish brown silt		NCM
788	Negative	I:0-11	10YR4/3 brown silt loam		NCM
788		II:11-39	10YR5/4 yellowish brown silt		NCM
789	Negative	I:0-8	10YR4/3 brown silt loam		NCM
789		II:8-40	10YR5/6 yellowish brown silt		NCM
790	Negative	I:0-39	10YR4/3 brown silt loam		NCM
790		II:39-63	10YR5/6 yellowish brown silt loam		NCM
791	Negative	I:0-18	10YR4/3 brown silt loam		NCM
791		II:18-41	10YR6/4 light yellowish brown silty clay		NCM
792	Negative	I:0-19	10YR4/3 brown silt loam		NCM
792		II:19-30	10YR5/6 yellowish brown silt loam		NCM
793	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
793		II:25-35	10YR6/4 light yellowish brown silty clay		NCM
794	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
794		II:25-45	10YR5/4 yellowish brown silty clay		NCM
795	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
795		II:30-50	10YR5/4 yellowish brown silty clay		NCM
796	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
796		II:25-45	10YR5/4 yellowish brown silty clay		NCM
797	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
797		II:20-40	10YR6/4 light yellowish brown clay		NCM
798	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
798		II:20-30	10YR5/4 yellowish brown silty clay		NCM
799	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
799		II:20-40	10YR6/4 light yellowish brown silty clay		NCM
800	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
800		II:20-30	10YR6/4 light yellowish brown silty clay		NCM
801	Negative	I:0-15	10YR3/4 dark yellowish brown silty clay loam		NCM
801		II:15-35	10YR6/4 light yellowish brown silty clay		NCM
802	Negative	I:0-20	10YR3/4 dark yellowish brown silty clay loam		NCM
802		II:20-40	10YR6/4 light yellowish brown silty clay		NCM
803	Negative	I:0-28	10YR4/3 brown silt loam		NCM
803		II:28-48	10YR5/6 yellowish brown sandy loam		NCM
804	Negative	I:0-35	10YR4/3 brown silt loam		NCM
804		II:35-55	10YR5/6 yellowish brown silt loam		NCM
805	Negative	I:0-28	10YR4/3 brown silt loam		NCM
805		II:28-48	10YR5/4 yellowish brown silt loam		NCM
806	Negative	I:0-27	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
806		II:27-47	7.5YR4/6 strong brown sandy loam		NCM
807	Negative	I:0-35	10YR4/3 brown silt loam		NCM
807		II:35-55	10YR5/6 yellowish brown silty clay loam		NCM
808	Negative	I:0-30	10YR4/3 brown silt loam		NCM
808		II:30-50	10YR5/4 yellowish brown sandy clay loam		NCM
809	Negative	I:0-22	10YR4/3 brown silt loam		NCM
809		II:22-42	10YR5/4 yellowish brown sandy clay loam		NCM
810	Negative	I:0-27	10YR4/3 brown silt loam		NCM
810		II:27-47	10YR5/4 yellowish brown sandy clay loam		NCM
811	Negative	I:0-31	10YR4/3 brown silt loam		NCM
811		II:31-51	10YR5/4 yellowish brown sandy loam		NCM
812	Negative	I:0-34	10YR4/3 brown silty clay		NCM
812		II:32-58	10YR5/6 yellowish brown loamy sand		NCM
813	Negative	I:0-24	10YR4/3 brown silty clay		NCM
813		II:24-49	10YR5/4 yellowish brown loamy sand		NCM
814	Negative	I:0-23	10YR4/3 brown silty clay		NCM
814		II:23-51	10YR4/6 dark yellowish brown sandy clay loam		NCM
815	Negative	I:0-19	10YR4/3 brown silty clay		NCM
815		II:19-43	10YR5/4 yellowish brown loamy sand		NCM
816	Negative	I:0-19	10YR4/3 brown silty clay		NCM
816		II:19-46	10YR5/4 yellowish brown loamy sand		NCM
817	Negative	I:0-19	10YR4/3 brown silty clay		NCM
817		II:19-44	10YR5/6 yellowish brown loamy sand		NCM
818	Negative	I:0-21	10YR4/3 brown silty clay		NCM
818		II:21-45	10YR5/4 yellowish brown sandy loam		NCM
819	Negative	I:0-29	10YR4/3 brown silty clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
819		II:29-58	10YR5/4 yellowish brown loamy sand		NCM
820	Negative	I:0-23	10YR4/3 brown silt loam		NCM
820		II:23-44	10YR5/6 yellowish brown silt loam		NCM
821	Negative	I:0-28	10YR4/3 brown silt loam		NCM
821		II:28-39	10YR5/6 yellowish brown silt loam		NCM
822	Negative	I:0-22	10YR4/3 brown silt loam		NCM
822		II:22-46	10YR5/6 yellowish brown silty clay loam		NCM
823	Negative	I:0-30	10YR4/3 brown sandy loam		NCM
823		II:30-51	10YR5/6 yellowish brown sand		NCM
824	Negative	I:0-20	10YR4/3 brown silt loam		NCM
824		II:20-34	10YR5/6 yellowish brown silt loam		NCM
825	Negative	I:0-24	10YR4/3 brown silt loam		NCM
825		II:24-45	10YR5/6 yellowish brown silty clay loam		NCM
826	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
827	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
827		II:25-45	10YR6/4 light yellowish brown silty clay		NCM
828	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
828		II:30-50	10YR6/4 light yellowish brown silty clay		NCM
829	Negative	I:0-25	10YR3/4 dark yellowish brown silty clay loam		NCM
829		II:25-45	10YR6/4 light yellowish brown silty clay		NCM
830	Negative	I:0-30	10YR4/2 dark grayish brown silt loam	35% gravel and cobble	NCM
831	Negative	I:0-8	10YR4/3 brown silt loam		NCM
831		II:8-34	10YR5/6 yellowish brown		NCM
832	Negative	I:0-28	10YR4/2 dark grayish brown silt loam	35% gravel and cobble	NCM
FR01	Positive	I:0-26	10YR5/2 grayish brown silt loam		Glass

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
FR01		II:26-46	10YR5/6 yellowish brown silty clay loam		NCM
FR02	Negative	I:0-19	10YR4/2 dark grayish brown silt loam		NCM
FR02		II:19-45	10YR5/6 yellowish brown silty clay loam		NCM
FR03	Negative	I:0-18	10YR4/2 dark grayish brown silt loam		NCM
FR03		II:18-38	10YR5/6 yellowish brown silt loam		NCM
JP01	Negative	I:0-12	10YR4/3 brown silty clay loam		NCM
JP01		II:12-34	7.5YR5/4 brown silty clay loam		NCM
JP02	Negative	I:0-10	10YR4/3 brown silt loam		NCM
JP02		II:10-41	7.5YR4/4 brown silty clay loam		NCM
JP03	Negative	I:0-11	10YR4/3 brown silty clay loam		NCM
JP03		II:11-35	10YR5/4 yellowish brown silty clay loam		NCM
JP05	No Dig				NCM
LPC01	Positive	I:0-30	10YR5/3 brown silty clay loam		Ceramics
LPC01		II:30-45	10YR4/4 dark yellowish brown silty clay		NCM
LPC01		III:45-55	10YR5/6 yellowish brown clay		NCM
LPC02	Negative	I:0-25	10YR4/3 brown silty clay loam		NCM
LPC02		II:25-45	10YR5/8 yellowish brown clay		NCM
LPC03	Negative	I:0-20	10YR4/3 brown silty clay loam		NCM
LPC03		II:20-40	10YR5/8 yellowish brown clay		NCM
R01	Negative	I:0-10	10YR4/3 brown silt loam		NCM
R01		II:10-32	10YR5/6 yellowish brown silty clay loam		NCM
R02	Negative	I:0-7	10YR3/1 very dark gray silt loam		NCM
R02		II:7-30	10YR5/4 yellowish brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
R03	Negative	I:0-18	10YR3/1 very dark gray silt loam		NCM
R04	Positive	I:0-11	10YR4/3 brown silt loam		
R04		II:11-49	10YR5/6 yellowish brown silty clay loam		NCM
R05	Negative	I:0-23	10YR4/3 brown silty clay		NCM
R05		II:23-48	10YR6/6 brownish yellow silty clay loam		NCM
R06	Negative	I:0-18	10YR4/3 brown silty clay		NCM
R06		II:18-42	10YR6/4 light yellowish brown silty clay loam		NCM
R07	Positive	I:0-32	10YR4/3 brown silty clay		Glass
R07					NCM
R08	Negative	I:0-16	10YR4/3 brown silty clay		NCM
R08		II:16-49	10YR6/6 brownish yellow silty clay loam		NCM
R09	Negative	I:0-34	10YR3/3 dark brown silt loam		NCM
R09		II:34-54	10YR5/4 yellowish brown silt loam		NCM
R10	Negative	I:0-36	10YR4/3 brown silt loam		NCM
R10		II:36-56	10YR5/4 yellowish brown silt loam		NCM
R11	Positive	I:0-32	10YR4/3 brown silt loam		
R11		II:32-52	10Y5/4 yellowish brown silt loam		
R12	Negative	I:0-35	10YR3/3 dark brown silt loam		NCM
R12		II:35-55	10YR5/4 yellowish brown silt loam		NCM
R13	Positive	I:0-65	10YR4/4 dark yellowish brown silty clay loam		Ceramics
R15	Negative	I:0-29	10YR4/3 brown silt loam		NCM
R15		II:29-61	10YR5/6 yellowish brown silt		NCM
R16	Negative	I:0-45	10YR4/3 brown silt loam		NCM
R16		II:45-65	10YR5/4 yellowish brown sandy loam		NCM
R17	Negative	I:0-30	10YR4/3 brown silt loam		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
R17		II:30-42	7.5YR4/6 strong brown silt loam		NCM
R17		III:46-70	10YR5/4 yellowish brown silt loam		NCM
R18	Negative	I:0-32	10YR4/2 dark grayish brown silt loam		NCM
R18		II:32-55	7.5YR4/6 strong brown silt loam		NCM
R19	Negative	I:0-42	10YR4/3 brown silt loam		NCM
R19		II:42-62	7.5YR4/6 strong brown sandy loam		NCM
R20	Negative	I:0-30	10YR3/4 dark yellowish brown silty clay loam		NCM
R20		II:30-50	10YR3/3 dark brown silty clay		NCM
R21	Negative	I:0-29	10YR4/3 brown silt loam		NCM
R21		II:29-66	10YR4/4 dark yellowish brown silty clay loam		NCM
R22	Negative	I:0-29	10YR4/3 brown silt loam		NCM
R22		II:29-49	7.5YR4/6 strong brown sandy loam		NCM
R23	Negative	I:0-36	10YR4/3 brown silt loam		NCM
R23		II:36-56	10YR5/4 yellowish brown silt loam		NCM
ZB01	Negative	I:0-21	10YR4/3 brown silt loam		NCM
ZB01		II:21-41	10YR5/6 yellowish brown silt loam		NCM
ZB02	Negative	I:0-40	10YR4/3 brown silt loam		NCM
ZB02		II:40-60	10YR5/6 yellowish brown silt loam		NCM
ZB03	Negative	I:0-40	10YR4/3 brown silt loam		NCM
ZB03		II:40-60	10YR5/6 yellowish brown silt loam		NCM
P2.01	Negative	I:0-20	10YR 2/2 clay loam		NCM
P2.01		II:20-45	10YR 5/3 clay loam	Fill with 20% gravel	NCM
P2.01		III:45-56	10YR 4/6 clay		NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
P2.02	Positive	I:0-20	10YR 4/2 clay loam	10% gravel	1 nail, 1 ferrous metal, 5 bone, 1 plastic from 0-20
P2.02		II:20-50	10YR 4/6 clay loam		NCM
P2.03	Negative	I:0-15	10YR 4/3 clay loam	Roots	NCM
P2.03		II:15-35	10YR 4/6 clay	Large cobbles at base	NCM
P2.04	Negative	I:0-15	10YR 4/3 clay loam	Roots	NCM
P2.04		II:15-25	10YR 4/6 clay	Large cobbles at base	NCM
P2.05	Negative	I:0-15	10YR 4/3 clay loam	Roots	NCM
P2.05		II:15-35	10YR 4/6 clay	Large cobbles at base	NCM
P2.06	Positive	I:0-20	10YR 2/2 clay loam	fill	Plaster, ferrous metal (coal and coal ash not retained) 0-20
P2.06		II:20-30	10YR 4/3 clay loam		NCM
P2.06		III:30-50	10YR 5/6 clay		NCM
P2.07	Positive	I:0-16	10YR 3/2 silty loam		Square nails, flat glass, ceramic, bone (0-35 cmbs)
P2.07		II:16-35	10YR 5/2 silty loam		Square nails, flat glass, ceramic, bone (0-35 cmbs)
P2.07		III:35-53	10YR 5/6 silty clay loam		NCM
P2.08	Positive	I:0-16	10YR 3/2 silty loam		Ceramic, nail (0-25 cmbs)
P2.08		II:16-35	10YR 5/2 silty loam		Ceramic, nail (0-25 cmbs)
P2.08		III:35-53	10YR 5/6 silty clay loam		NCM
P2.09	Positive	I:0-22	10YR 4/2 silty loam		Structural stone and mortar, not collected (19 cmbs)
P2.09		II:22-32	10YR 5/6 silty clay loam		NCM
P2.10	Positive	I:0-27	10YR 4/2 silty loam	25% small gravel	Ceramic, nails, drainage tile (0-27 cmbs); ceramic, nails (27-53 cmbs)
P2.10		II:27-53	10YR 4/3 silty loam	10% small gravel	NCM

STP Number	STP Result	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
P2.10		II:53-66	10YR 5/6 silty clay loam	II:27-53	NCM
P2.11	Negative	I:0-10	10YR 8/3 sand	Fill with 50% gravels	NCM
P2.11		II:10-20	10YR 4/3 clay loam	Extremely compact	NCM
P2.12	Negative	I:0-10	10YR 4/1 silty loam	Asphalt impasse, land is built up/ ramped as an entrance to the house garage	NCM
P2.13	Negative	I:0-11	10YR 4/1 silty loam	Rock and gravel, compacted, at base of excavation	NCM

Table 6. Test Unit Results

TU Number	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
TU1	5-25	Stratum I: 10YR 4/3 brown silty clay loam		Nails, flat glass, whiteware and ferrous metal. Coal, coal ash and mortar not retained.
	25-45	Stratum II: 10YR 4/6 dark yellowish brown silty clay loam	Stone feature on NW side of unit	Nails, animal bone, a mortar sample, and ceramics. Brick not retained.
	45-65	Stratum III: 10YR 4/3 dark yellowish brown silty clay loam	25% gravels	Ferrous metal and ceramics. Brick was not retained.
	65-85	Stratum IV: 10YR 5/4 yellowish brown clay		NCM

TU Number	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
TU2	7-24	Stratum I: 10YR 4/4 dark yellowish brown silty clay loam		Ceramics, glass, nails, and ferrous metal. Shell and coal were not retained.
	24-43	Stratum II: 10YR 4/3 brown silty clay loam	25% gravels	Ceramics, glass, nails, and ferrous metal. Shell not retained.
	43-75	Stratum III: 10YR 4/2 dark grayish brown silty clay loam	Contained linear feature 10% gravels	Redware, whiteware, pipestem fragments, mortar, ferrous metal, glass, and animal bone. Shell was not retained.
	75-101	10YR 5/6 red yellowish brown clay	40% gravels	NCM

TU Number	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
TU3	9-18	Stratum I: 10YR 3/3 dark brown silty loam		Whiteware, salt glazed stoneware, animal bone, redware, and gun flint. Modern plastic not retained.
	18-40	Stratum II: 10YR 4/2 dark grayish brown silty loam	Partially frozen.	Nails, whiteware, salt glazed stoneware, vessel glass, and redware.
	40-58	Stratum III: 10YR 5/6 red yellowish brown silty clay loam	30-40% gravels	NCM

TU Number	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
TU4	10-44	Stratum I: 10YR 3/3 dark brown silty clay loam	Very loose with many jumbled bricks and stones.	Whiteware, ferrous metal, flat and vessel glass, and animal bone. Modern bricks not retained.
	44-60	Stratum II: 10YR 4/3 brown clay loam		NCM
	60-95	Stratum III: 10YR 5/4 red yellowish brown clay	Root disturbance in SW corner.	NCM

TU Number	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
TU5	7-28	Stratum I: 10YR 4/2 dark grayish brown silty loam	Very high root content.	Ferrous metal, flat glass, vessel glass, ceramics, nails, and bolts.
	28-40	Stratum II: 10YR 4/3 brown silty clay loam		Ceramic (possible bioturbation).
	40-58	Stratum III: 10YR 5/6 red yellowish brown silty clay loam	10% gravels	NCM

TU Number	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
TU6	16-25	Stratum I: 10YR 3/1 very dark gray silty loam	Very high root content.	Nail and barbed wire.
	25-32	Stratum II: 10YR 4/3 brown silty loam	Likely a topsoil brought in for landscaping purposes.	Insulator fragment, ferrous metal, nails, whiteware, redware, drainage pipe, and vessel glass.
	32-40	Stratum III: 10YR 5/3 brown silty loam	10% gravels	Nails, redware, and ferrous metal
	40-55	Stratum IV: 10YR 5/4 yellowish brown silty clay loam	10% rocks	NCM

TU Number	Stratum: Depth (cm)	Soil Description	Notes	Cultural Material
TU7	13-25	Stratum I: 10YR 3/3 dark brown silty clay loam	Moderate root content.	Ferrous metal, nails and animal bone.
	25-52	Stratum II: 10YR 4/3 brown silty clay loam	25% gravels	Ferrous metal, nails and redware
	52-74	Stratum III: 10YR 5/4 yellowish brown clay	25% gravels	NCM

Appendix C.
Test Locations

Table 7. STP Locations

STP No.	Result	Lat	Long
1	Neg	-74.7643	41.02194
2	Neg	-74.7642	41.02235
3	Neg	-74.7647	41.02207
4	Neg	-74.7645	41.02208
5	Neg	-74.7643	41.02208
6	Neg	-74.7642	41.02208
7	Neg	-74.764	41.02207
8	Neg	-74.7649	41.02221
9	Neg	-74.7647	41.02221
10	Neg	-74.7645	41.02221
11	Neg	-74.7643	41.02221
12	No_Dig	-74.7642	41.02221
13	Neg	-74.764	41.0222
14	Neg	-74.7638	41.02221
15	Neg	-74.7651	41.02235
16	Neg	-74.7649	41.02235
17	Neg	-74.7647	41.02235
18	Neg	-74.7645	41.02235
19	Neg	-74.7643	41.02235
20	Neg	-74.7642	41.02235
21	Neg	-74.764	41.02235
22	Neg	-74.7638	41.02235
23	Neg	-74.7636	41.02234
24	Neg	-74.7649	41.02248
25	Neg	-74.7647	41.02248
26	Neg	-74.7645	41.02248
27	Neg	-74.7643	41.02248
28	Neg	-74.7642	41.02248
29	Neg	-74.764	41.02248
30	Neg	-74.7638	41.02248
31	Neg	-74.7636	41.02248
32	Neg	-74.7634	41.02248
33	No_Dig	-74.7654	41.02261
34	No_Dig	-74.7652	41.0226
35	Neg	-74.765	41.02261
36	Neg	-74.7647	41.02262
37	Neg	-74.7645	41.02262
38	Neg	-74.7643	41.02262
39	Neg	-74.7642	41.02262
40	Neg	-74.764	41.02261
41	Neg	-74.7638	41.02262
42	Neg	-74.7633	41.02261
43	Neg	-74.7656	41.02275
44	No_Dig	-74.7654	41.02275
45	Neg	-74.7652	41.02275
46	Neg	-74.765	41.02275
47	Neg	-74.7649	41.02275
48	Neg	-74.7647	41.02275
49	Neg	-74.7645	41.02275
50	Neg	-74.7643	41.02275
51	Neg	-74.7642	41.02275
52	Neg	-74.764	41.02275
53	Neg	-74.7638	41.02275
54	Neg	-74.7636	41.02275
55	Neg	-74.7631	41.02274
56	Neg	-74.7656	41.02289
57	No_Dig	-74.7654	41.02289
58	Neg	-74.7652	41.02289
59	Neg	-74.765	41.02289
60	Neg	-74.7649	41.02289
61	Neg	-74.7647	41.02289
62	Neg	-74.7645	41.02289
63	Neg	-74.7643	41.02289
64	Neg	-74.7642	41.02289
65	Neg	-74.764	41.02289
66	Neg	-74.7638	41.02289
67	Neg	-74.7636	41.02288
68	Neg	-74.7634	41.02288
69	Neg	-74.7629	41.02288
70	Neg	-74.7656	41.02302
71	Neg	-74.7654	41.02302
72	No_Dig	-74.7652	41.02302
73	No_Dig	-74.765	41.02302
74	No_Dig	-74.7649	41.02302
75	Neg	-74.7647	41.02302
76	Neg	-74.7645	41.02302
77	Neg	-74.7643	41.02302
78	Neg	-74.7642	41.02302
79	Neg	-74.764	41.02302
80	Neg	-74.7638	41.02302
81	Neg	-74.7636	41.02302
82	Neg	-74.7634	41.02302

STP No.	Result	Lat	Long
83	Neg	-74.7633	41.02302
84	Neg	-74.7652	41.02316
85	No_Dig	-74.765	41.02316
86	Neg	-74.7649	41.02316
87	Neg	-74.7647	41.02316
88	Neg	-74.7645	41.02316
89	Neg	-74.7643	41.02316
90	Neg	-74.7642	41.02316
91	Neg	-74.764	41.02316
92	Neg	-74.7638	41.02316
93	Neg	-74.7636	41.02316
94	Neg	-74.7634	41.02315
95	Neg	-74.7633	41.02316
96	Neg	-74.7631	41.02315
97	Neg	-74.7654	41.02329
98	Neg	-74.7652	41.02329
99	Neg	-74.765	41.02329
100	Neg	-74.7649	41.02329
101	No_Dig	-74.7647	41.02329
102	Neg	-74.7645	41.02329
103	Neg	-74.7643	41.02329
104	Neg	-74.7642	41.02329
105	Neg	-74.764	41.02329
106	Neg	-74.7638	41.02329
107	Neg	-74.7636	41.02329
108	Neg	-74.7634	41.02329
109	Neg	-74.7633	41.02329
110	Neg	-74.7631	41.02328
111	No_Dig	-74.7629	41.02329
112	Neg	-74.7626	41.02329
113	Neg	-74.7652	41.02343
114	Neg	-74.765	41.02343
115	No_Dig	-74.7649	41.02343
116	No_Dig	-74.7647	41.02343
117	No_Dig	-74.7645	41.02343
118	Neg	-74.7643	41.02343
119	Neg	-74.7642	41.02343
120	Neg	-74.764	41.02342
121	Neg	-74.7638	41.02343
122	Neg	-74.7636	41.02343
123	Neg	-74.7634	41.02343
124	Neg	-74.7633	41.02342

STP No.	Result	Lat	Long
125	Neg	-74.7631	41.02342
126	No_Dig	-74.7627	41.02342
127	Neg	-74.7625	41.02342
128	No_Dig	-74.7624	41.02342
129	Neg	-74.765	41.02356
130	Neg	-74.7649	41.02356
131	No_Dig	-74.7647	41.02356
132	Neg	-74.7645	41.02356
133	Neg	-74.7643	41.02356
134	Neg	-74.7642	41.02356
135	Neg	-74.764	41.02356
136	Neg	-74.7638	41.02356
137	Neg	-74.7636	41.02356
138	Neg	-74.7634	41.02356
139	Neg	-74.7633	41.02356
140	No_Dig	-74.7626	41.02356
141	No_Dig	-74.7624	41.02356
142	Neg	-74.7622	41.02356
143	No_Dig	-74.7651	41.02369
144	No_Dig	-74.7649	41.02369
145	Neg	-74.7647	41.02369
146	Neg	-74.7645	41.0237
147	Neg	-74.7643	41.02369
148	Neg	-74.7642	41.02369
149	Neg	-74.764	41.0237
150	Neg	-74.7638	41.02369
151	Neg	-74.7636	41.02369
152	Neg	-74.7634	41.0237
153	No_Dig	-74.7624	41.02369
154	No_Dig	-74.7622	41.02369
155	Neg	-74.762	41.02369
156	Neg	-74.7618	41.02369
157	Neg	-74.7649	41.02383
158	Neg	-74.7647	41.02383
159	Neg	-74.7645	41.02383
160	Neg	-74.7643	41.02383
161	Neg	-74.7642	41.02383
162	Neg	-74.764	41.02382
163	Neg	-74.7638	41.02383
164	Neg	-74.7636	41.02383
165	No_Dig	-74.762	41.02383
166	Neg	-74.7618	41.02384

STP No.	Result	Lat	Long
167	Neg	-74.7617	41.02383
168	Neg	-74.7615	41.02382
169	Neg	-74.7647	41.02397
170	Neg	-74.7645	41.02397
171	Neg	-74.7643	41.02397
172	Neg	-74.7642	41.02397
173	Neg	-74.764	41.02396
174	Neg	-74.7638	41.02397
175	Neg	-74.7636	41.02396
176	No_Dig	-74.7618	41.02396
177	No_Dig	-74.7617	41.02396
178	Neg	-74.7615	41.02396
179	Neg	-74.7613	41.02396
180	Neg	-74.7611	41.02396
181	Neg	-74.7647	41.0241
182	Neg	-74.7645	41.0241
183	Neg	-74.7643	41.0241
184	Neg	-74.7642	41.0241
185	No_Dig	-74.764	41.0241
186	Neg	-74.7638	41.0241
187	Neg	-74.7636	41.0241
188	Neg	-74.7634	41.0241
189	No_Dig	-74.7617	41.0241
190	No_Dig	-74.7615	41.0241
191	Neg	-74.7613	41.02409
192	Neg	-74.7611	41.02409
193	Neg	-74.7609	41.0241
194	Neg	-74.7645	41.02423
195	Neg	-74.7643	41.02423
196	Neg	-74.7641	41.02423
197	Neg	-74.764	41.02423
198	No_Dig	-74.7638	41.02423
199	Neg	-74.7636	41.02424
200	Neg	-74.7634	41.02423
201	No_Dig	-74.7613	41.02423
202	Neg	-74.7611	41.02423
203	Neg	-74.7609	41.02423
204	Neg	-74.7608	41.02423
205	Neg	-74.7606	41.02423
206	Neg	-74.7643	41.02437
207	Neg	-74.7642	41.02437
208	No_Dig	-74.764	41.02437

STP No.	Result	Lat	Long
209	No_Dig	-74.7638	41.02437
210	No_Dig	-74.7636	41.02437
211	Neg	-74.7634	41.02437
212	No_Dig	-74.7611	41.02436
213	No_Dig	-74.7609	41.02436
214	Neg	-74.7608	41.02436
215	Neg	-74.7606	41.02436
216	Neg	-74.7604	41.02437
217	Neg	-74.7643	41.02451
218	Neg	-74.7641	41.02451
219	No_Dig	-74.764	41.02451
220	No_Dig	-74.7638	41.0245
221	No_Dig	-74.7636	41.0245
222	Neg	-74.7634	41.02451
223	Neg	-74.7633	41.02451
224	No_Dig	-74.7609	41.0245
225	No_Dig	-74.7608	41.0245
226	Neg	-74.7606	41.0245
227	Neg	-74.7604	41.0245
228	Neg	-74.7602	41.0245
229	Neg	-74.76	41.0245
230	Neg	-74.7642	41.02464
231	Neg	-74.764	41.02464
232	No_Dig	-74.7638	41.02464
233	Neg	-74.7636	41.02464
234	No_Dig	-74.7634	41.02464
235	Neg	-74.7633	41.02464
236	No_Dig	-74.7606	41.02463
237	Neg	-74.7604	41.02463
238	Neg	-74.7602	41.02463
239	Neg	-74.76	41.02463
240	Neg	-74.7599	41.02463
241	Neg	-74.764	41.02477
242	Neg	-74.7638	41.02478
243	Neg	-74.7636	41.02478
244	Neg	-74.7634	41.02478
245	Neg	-74.7633	41.02477
246	Neg	-74.7631	41.02478
247	No_Dig	-74.7604	41.02477
248	No_Dig	-74.7602	41.02478
249	Neg	-74.76	41.02477
250	Neg	-74.7599	41.02477

STP No.	Result	Lat	Long
251	Neg	-74.7597	41.02477
252	Neg	-74.7595	41.02477
253	Neg	-74.7638	41.02491
254	Neg	-74.7636	41.02491
255	Neg	-74.7634	41.02491
256	Neg	-74.7633	41.02491
257	Neg	-74.7631	41.02491
258	Neg	-74.7602	41.0249
259	No_Dig	-74.76	41.0249
260	Neg	-74.7599	41.0249
261	Neg	-74.7597	41.0249
262	Neg	-74.7595	41.0249
263	Neg	-74.7593	41.0249
264	Neg	-74.7638	41.02505
265	Neg	-74.7636	41.02505
266	Neg	-74.7634	41.02505
267	Neg	-74.7633	41.02505
268	Neg	-74.7631	41.02505
269	Neg	-74.7629	41.02505
270	Neg	-74.7604	41.02504
271	Neg	-74.7602	41.02504
272	Neg	-74.76	41.02504
273	No_Dig	-74.7599	41.02504
274	Neg	-74.7597	41.02505
275	Neg	-74.7595	41.02504
276	Neg	-74.7593	41.02504
277	Neg	-74.7591	41.02504
278	No_Dig	-74.7636	41.02518
279	Neg	-74.7634	41.02518
280	Neg	-74.7633	41.02518
281	Neg	-74.7631	41.02518
282	Neg	-74.7629	41.02518
283	Neg	-74.7627	41.02518
284	Neg	-74.7602	41.02518
285	Neg	-74.76	41.02517
286	Neg	-74.7599	41.02517
287	No_Dig	-74.7597	41.02517
288	No_Dig	-74.7595	41.02517
289	Neg	-74.7593	41.02517
290	Neg	-74.7592	41.02517
291	Neg	-74.759	41.02517
292	Neg	-74.7588	41.02517

STP No.	Result	Lat	Long
293	Neg	-74.7634	41.02532
294	Neg	-74.7633	41.02532
295	Neg	-74.7631	41.02532
296	Neg	-74.7629	41.02531
297	Neg	-74.7627	41.02531
298	Neg	-74.7625	41.02532
299	Neg	-74.7624	41.02532
300	Neg	-74.76	41.02531
301	Neg	-74.7599	41.02531
302	Neg	-74.7597	41.02531
303	Neg	-74.7595	41.02531
304	No_Dig	-74.7593	41.02531
305	Neg	-74.7592	41.02531
306	Neg	-74.759	41.02531
307	Neg	-74.7588	41.02531
308	Neg	-74.7586	41.02531
309	Neg	-74.7634	41.02545
310	Neg	-74.7633	41.02545
311	Neg	-74.7631	41.02544
312	Neg	-74.7629	41.02545
313	Neg	-74.7627	41.02545
314	Neg	-74.7625	41.02545
315	Neg	-74.7624	41.02545
316	Neg	-74.7622	41.02545
317	Neg	-74.762	41.02545
318	Neg	-74.7599	41.02544
319	Neg	-74.7597	41.02544
320	No_Dig	-74.7592	41.02545
321	Neg	-74.759	41.02544
322	Neg	-74.7588	41.02544
323	Neg	-74.7586	41.02544
324	Neg	-74.7584	41.02544
325	Neg	-74.7583	41.02544
326	Neg	-74.7633	41.02559
327	Neg	-74.7631	41.02559
328	Neg	-74.7629	41.02559
329	Neg	-74.7627	41.02559
330	Neg	-74.7625	41.02559
331	Neg	-74.7624	41.02559
332	Neg	-74.7622	41.02558
333	Neg	-74.762	41.02558
334	Neg	-74.7618	41.02558

STP No.	Result	Lat	Long
335	Neg	-74.7616	41.02558
336	Neg	-74.7615	41.02558
337	No_Dig	-74.759	41.02558
338	No_Dig	-74.7588	41.02557
339	Neg	-74.7586	41.02558
340	Neg	-74.7584	41.02557
341	Neg	-74.7583	41.02558
342	Neg	-74.7581	41.02558
343	Neg	-74.7633	41.02572
344	Neg	-74.7631	41.02573
345	Neg	-74.7629	41.02572
346	Neg	-74.7627	41.02572
347	Neg	-74.7625	41.02572
348	Neg	-74.7624	41.02572
349	Neg	-74.7622	41.02572
350	Neg	-74.762	41.02571
351	Neg	-74.7618	41.02572
352	Neg	-74.7616	41.02572
353	No_Dig	-74.7586	41.02571
354	Neg	-74.7584	41.02571
355	Neg	-74.7583	41.02571
356	Neg	-74.7581	41.02569
357	Neg	-74.7579	41.02571
358	Neg	-74.7577	41.02571
359	Neg	-74.7631	41.02586
360	Neg	-74.7629	41.02586
361	Neg	-74.7627	41.02586
362	Neg	-74.7625	41.02586
363	Neg	-74.7624	41.02585
364	Neg	-74.7622	41.02586
365	Neg	-74.762	41.02585
366	Neg	-74.7618	41.02585
367	No_Dig	-74.7584	41.02585
368	Neg	-74.7583	41.02585
369	Neg	-74.7581	41.02585
370	Neg	-74.7579	41.02585
371	Neg	-74.7577	41.02585
372	Neg	-74.7575	41.02584
373	Neg	-74.7574	41.02585
374	Neg	-74.7572	41.02584
375	Pos	-74.757	41.02584
376	Pos	-74.7568	41.02584

STP No.	Result	Lat	Long
377	No_Dig	-74.7559	41.02584
378	Neg	-74.7627	41.02599
379	Neg	-74.7625	41.02599
380	Neg	-74.7624	41.02599
381	Neg	-74.7622	41.02599
382	Neg	-74.762	41.02599
383	No_Dig	-74.7583	41.02598
384	No_Dig	-74.7581	41.02598
385	Neg	-74.7579	41.02598
386	Neg	-74.7577	41.02598
387	No_Dig	-74.7575	41.02598
388	Neg	-74.7574	41.02598
389	Neg	-74.7572	41.02598
390	No_Dig	-74.757	41.02598
391	Neg	-74.7568	41.02598
392	Neg	-74.7567	41.02598
393	No_Dig	-74.7565	41.02598
394	Neg	-74.7563	41.02598
395	Neg	-74.7561	41.02598
396	Pos	-74.7559	41.02598
397	No_Dig	-74.7558	41.02598
398	Neg	-74.7583	41.02612
399	Neg	-74.7581	41.02612
400	No_Dig	-74.7579	41.02612
401	No_Dig	-74.7577	41.02612
402	Neg	-74.7575	41.02611
403	Neg	-74.7574	41.02612
404	Neg	-74.7572	41.02611
405	Neg	-74.757	41.02611
406	Neg	-74.7568	41.02611
407	Neg	-74.7567	41.02611
408	Neg	-74.7565	41.02611
409	Neg	-74.7563	41.02611
410	Neg	-74.7561	41.02611
411	Pos	-74.7559	41.02611
412	Neg	-74.7604	41.02626
413	Neg	-74.7602	41.02626
414	Neg	-74.7584	41.02625
415	Neg	-74.7582	41.02626
416	Neg	-74.7581	41.02626
417	Neg	-74.7579	41.02625
418	No_Dig	-74.7577	41.02625

STP No.	Result	Lat	Long
419	Neg	-74.7575	41.02626
420	Neg	-74.7574	41.02625
421	Neg	-74.7572	41.02625
422	Neg	-74.757	41.02625
423	Neg	-74.7568	41.02625
424	No_Dig	-74.7566	41.02625
425	Pos	-74.7565	41.02625
426	Neg	-74.7563	41.02624
427	Neg	-74.7561	41.02624
428	Neg	-74.7559	41.02624
429	Neg	-74.7606	41.02639
430	Neg	-74.7604	41.02642
431	Neg	-74.7602	41.02639
432	Neg	-74.76	41.02639
433	Neg	-74.7584	41.02637
434	Neg	-74.7583	41.02639
435	Neg	-74.7581	41.02639
436	Neg	-74.7579	41.02638
437	Neg	-74.7577	41.02639
438	No_Dig	-74.7575	41.02638
439	No_Dig	-74.7574	41.02638
440	Neg	-74.7572	41.02638
441	Neg	-74.757	41.02638
442	Neg	-74.7568	41.02638
443	Neg	-74.7566	41.02638
444	Neg	-74.7565	41.02638
445	Neg	-74.7563	41.02638
446	Neg	-74.7561	41.02638
447	Neg	-74.7606	41.02653
448	Neg	-74.7604	41.02652
449	Neg	-74.7602	41.02653
450	Neg	-74.76	41.02653
451	Neg	-74.7599	41.02653
452	Neg	-74.7597	41.02653
453	Neg	-74.7586	41.02652
454	Neg	-74.7584	41.02652
455	Neg	-74.7583	41.02652
456	Neg	-74.7581	41.02652
457	Neg	-74.7579	41.02653
458	Neg	-74.7577	41.02652
459	Neg	-74.7575	41.02652
460	Neg	-74.7574	41.02652

STP No.	Result	Lat	Long
461	No_Dig	-74.7572	41.02652
462	Neg	-74.757	41.02652
463	Neg	-74.7568	41.02652
464	Neg	-74.7566	41.02652
465	Neg	-74.7565	41.02652
466	Neg	-74.7563	41.02652
467	Neg	-74.7608	41.02666
468	Neg	-74.7606	41.02666
469	Neg	-74.7604	41.02666
470	Neg	-74.7602	41.02666
471	Neg	-74.76	41.02666
472	Neg	-74.7599	41.02666
473	Neg	-74.7597	41.02666
474	Neg	-74.7595	41.02666
475	Neg	-74.7593	41.02666
476	Neg	-74.7588	41.02665
477	Neg	-74.7586	41.02666
478	Neg	-74.7584	41.02665
479	Neg	-74.7583	41.02666
480	Neg	-74.7581	41.02665
481	Neg	-74.7579	41.02666
482	Neg	-74.7577	41.02664
483	Neg	-74.7575	41.02666
484	Neg	-74.7574	41.02664
485	Neg	-74.7572	41.02666
486	No_Dig	-74.757	41.02665
487	No_Dig	-74.7568	41.02665
488	Neg	-74.7566	41.02665
489	Neg	-74.7565	41.02665
490	Neg	-74.7609	41.0268
491	Neg	-74.7608	41.0268
492	Neg	-74.7606	41.02679
493	Neg	-74.7604	41.02679
494	Neg	-74.7602	41.02679
495	Neg	-74.76	41.0268
496	Neg	-74.7599	41.02679
497	Neg	-74.7597	41.02679
498	Neg	-74.7595	41.02679
499	Neg	-74.7593	41.02679
500	Neg	-74.7591	41.02679
501	Neg	-74.759	41.02679
502	No_Dig	-74.7588	41.02679

STP No.	Result	Lat	Long
503	Neg	-74.7586	41.0268
504	Neg	-74.7584	41.02679
505	Neg	-74.7583	41.02679
506	Neg	-74.7581	41.02679
507	Neg	-74.7579	41.02679
508	Neg	-74.7577	41.02679
509	Neg	-74.7575	41.02679
510	Neg	-74.7574	41.02678
511	Neg	-74.7572	41.02678
512	Neg	-74.757	41.02678
513	No_Dig	-74.7568	41.02679
514	No_Dig	-74.7566	41.02679
515	Neg	-74.7611	41.02693
516	Neg	-74.7609	41.02694
517	Neg	-74.7608	41.02693
518	Neg	-74.7606	41.02693
519	Neg	-74.7604	41.02691
520	Neg	-74.7602	41.02692
521	Neg	-74.76	41.02692
522	Neg	-74.7599	41.0269
523	Neg	-74.7597	41.02693
524	Neg	-74.7595	41.02693
525	Neg	-74.7593	41.02693
526	Neg	-74.7592	41.02692
527	Neg	-74.759	41.02693
528	Neg	-74.7588	41.02693
529	Neg	-74.7586	41.02693
530	Neg	-74.7584	41.02693
531	Neg	-74.7583	41.02693
532	Neg	-74.7581	41.02693
533	Neg	-74.7579	41.02693
534	Neg	-74.7577	41.02692
535	Neg	-74.7575	41.02693
536	Pos	-74.7574	41.02692
537	Neg	-74.7572	41.02692
538	Pos	-74.757	41.02692
539	Neg	-74.7568	41.02692
540	No_Dig	-74.7566	41.02692
541	Neg	-74.7611	41.02707
542	Neg	-74.7609	41.02707
543	Neg	-74.7608	41.02707
544	Neg	-74.7606	41.02707

STP No.	Result	Lat	Long
545	Neg	-74.7604	41.02707
546	Neg	-74.7602	41.02707
547	Neg	-74.76	41.02707
548	Neg	-74.7599	41.02707
549	Neg	-74.7597	41.02707
550	Neg	-74.7595	41.02707
551	Neg	-74.7593	41.02707
552	Neg	-74.7591	41.02706
553	No_Dig	-74.759	41.02706
554	Neg	-74.7588	41.02706
555	Neg	-74.7586	41.02706
556	Neg	-74.7584	41.02706
557	Neg	-74.7583	41.02706
558	Neg	-74.7581	41.02706
559	Neg	-74.7579	41.02706
560	Neg	-74.7577	41.02706
561	Neg	-74.7575	41.02706
562	Neg	-74.7574	41.02705
563	Neg	-74.7572	41.02705
564	Neg	-74.757	41.02705
565	Neg	-74.7568	41.02705
566	Neg	-74.7611	41.0272
567	Neg	-74.7609	41.0272
568	Neg	-74.7607	41.0272
569	Neg	-74.7606	41.0272
570	Neg	-74.7604	41.0272
571	Neg	-74.7602	41.0272
572	Neg	-74.76	41.0272
573	Neg	-74.7599	41.0272
574	Neg	-74.7597	41.0272
575	No_Dig	-74.7595	41.0272
576	No_Dig	-74.7593	41.0272
577	Neg	-74.7591	41.0272
578	Neg	-74.759	41.0272
579	Neg	-74.7588	41.02719
580	Neg	-74.7586	41.0272
581	Neg	-74.7584	41.0272
582	Neg	-74.7582	41.0272
583	Neg	-74.7581	41.02719
584	Neg	-74.7579	41.0272
585	Neg	-74.7577	41.02719
586	Neg	-74.7575	41.0272

STP No.	Result	Lat	Long
587	Neg	-74.7574	41.02719
588	Neg	-74.7572	41.02719
589	Neg	-74.757	41.02719
590	Neg	-74.7568	41.0272
591	Neg	-74.7609	41.02734
592	Neg	-74.7608	41.02734
593	Neg	-74.7606	41.02733
594	Neg	-74.7604	41.02734
595	Neg	-74.7602	41.02733
596	Neg	-74.76	41.02733
597	Neg	-74.7599	41.02733
598	Neg	-74.7597	41.02733
599	Neg	-74.7595	41.02734
600	Neg	-74.7593	41.02733
601	Neg	-74.7591	41.02734
602	Neg	-74.7591	41.02733
603	Neg	-74.7588	41.02733
604	Neg	-74.7586	41.02733
605	Neg	-74.7584	41.02733
606	Neg	-74.7582	41.02733
607	Neg	-74.7581	41.02733
608	Neg	-74.7579	41.02733
609	Neg	-74.7577	41.02733
610	Neg	-74.7575	41.02733
611	Neg	-74.7574	41.02733
612	Neg	-74.7572	41.02732
613	Neg	-74.757	41.02733
614	Neg	-74.7568	41.02732
615	Neg	-74.756	41.02735
616	Neg	-74.7606	41.02748
617	Neg	-74.7604	41.02748
618	Neg	-74.7602	41.02747
619	Neg	-74.76	41.02747
620	Neg	-74.7599	41.02746
621	Neg	-74.7597	41.02747
622	Neg	-74.7595	41.02748
623	Neg	-74.7593	41.02745
624	Neg	-74.7591	41.02746
625	Neg	-74.759	41.02747
626	Neg	-74.7588	41.02746
627	Neg	-74.7586	41.02746
628	Neg	-74.7584	41.02745

STP No.	Result	Lat	Long
629	Neg	-74.7583	41.02746
630	Neg	-74.7581	41.02746
631	Neg	-74.7579	41.02747
632	Neg	-74.7577	41.02747
633	Neg	-74.7575	41.02747
634	Neg	-74.7574	41.02745
635	Neg	-74.7572	41.02747
636	Neg	-74.757	41.02747
637	Neg	-74.7568	41.02747
638	Neg	-74.7604	41.02761
639	Neg	-74.7602	41.02761
640	Neg	-74.76	41.02761
641	Neg	-74.7599	41.02761
642	Neg	-74.7597	41.02761
643	Neg	-74.7595	41.02761
644	Neg	-74.7593	41.02761
645	Neg	-74.7591	41.02761
646	Neg	-74.759	41.0276
647	Neg	-74.7588	41.0276
648	Neg	-74.7586	41.0276
649	Neg	-74.7584	41.0276
650	Neg	-74.7583	41.0276
651	Neg	-74.7581	41.0276
652	Neg	-74.7579	41.0276
653	Neg	-74.7577	41.0276
654	Neg	-74.7575	41.0276
655	Neg	-74.7574	41.0276
656	Neg	-74.7572	41.0276
657	Neg	-74.757	41.0276
658	Neg	-74.7606	41.02774
659	Neg	-74.7604	41.02774
660	Neg	-74.7602	41.02774
661	Neg	-74.76	41.02774
662	Neg	-74.7599	41.02774
663	Neg	-74.7597	41.02774
664	Neg	-74.7595	41.02774
665	Neg	-74.7591	41.02774
666	Neg	-74.759	41.02774
667	Neg	-74.7588	41.02774
668	Neg	-74.7586	41.02774
669	Neg	-74.7584	41.02774
670	Neg	-74.7583	41.02773

STP No.	Result	Lat	Long
671	Neg	-74.7581	41.02774
672	Neg	-74.7579	41.02774
673	Neg	-74.7577	41.02773
674	Neg	-74.7575	41.02773
675	Neg	-74.7574	41.02773
676	Neg	-74.7572	41.02774
677	Neg	-74.7604	41.02788
678	Neg	-74.7602	41.02787
679	Neg	-74.76	41.02787
680	Neg	-74.7598	41.02788
681	Neg	-74.7597	41.02788
682	Neg	-74.7591	41.02787
683	Neg	-74.759	41.02787
684	Neg	-74.7588	41.02787
685	Neg	-74.7586	41.02788
686	Neg	-74.7584	41.02787
687	Neg	-74.7583	41.02787
688	Neg	-74.7581	41.02787
689	Neg	-74.7579	41.02787
690	Neg	-74.7577	41.02787
691	Neg	-74.7575	41.02787
692	Neg	-74.7574	41.02787
693	Neg	-74.7572	41.02787
694	Neg	-74.757	41.02787
695	Neg	-74.7602	41.02801
696	Neg	-74.76	41.02801
697	Neg	-74.759	41.02801
698	Neg	-74.7588	41.02801
699	Neg	-74.7586	41.02801
700	Neg	-74.7584	41.02801
701	Neg	-74.7582	41.02801
702	Neg	-74.7581	41.02801
703	Neg	-74.7579	41.028
704	Neg	-74.7577	41.028
705	Neg	-74.7575	41.02801
706	Neg	-74.7574	41.028
707	Neg	-74.7572	41.028
708	Neg	-74.757	41.028
709	Neg	-74.7591	41.02814
710	Neg	-74.7588	41.02814
711	Neg	-74.7586	41.02814
712	Neg	-74.7584	41.02814

STP No.	Result	Lat	Long
713	Neg	-74.7582	41.02814
714	Neg	-74.7581	41.02814
715	Neg	-74.7579	41.02814
716	Neg	-74.7577	41.02814
717	Neg	-74.7575	41.02814
718	Neg	-74.7574	41.02814
719	No_Dig	-74.7572	41.02814
720	Neg	-74.757	41.02814
721	Neg	-74.7568	41.02814
722	Neg	-74.759	41.02828
723	Neg	-74.7586	41.02828
724	Neg	-74.7584	41.02828
725	Neg	-74.7583	41.02828
726	Neg	-74.7581	41.02828
727	Neg	-74.7579	41.02828
728	Neg	-74.7577	41.02828
729	Neg	-74.7575	41.02828
730	Neg	-74.7574	41.02828
731	Neg	-74.7572	41.02827
732	Neg	-74.757	41.02828
733	Neg	-74.7568	41.02827
734	Neg	-74.7566	41.02827
735	Neg	-74.7565	41.02827
736	Neg	-74.759	41.02842
737	Neg	-74.7588	41.02842
738	Neg	-74.7586	41.02841
739	Neg	-74.7584	41.02841
740	Neg	-74.7582	41.02842
741	Neg	-74.7581	41.02842
742	Neg	-74.7579	41.02841
743	Neg	-74.7577	41.02841
744	Neg	-74.7575	41.02841
745	Neg	-74.7574	41.02841
746	Neg	-74.7572	41.02841
747	Neg	-74.757	41.02841
748	No_Dig	-74.7568	41.02841
749	Neg	-74.7566	41.02841
750	Neg	-74.7565	41.02841
751	Neg	-74.759	41.02855
752	Neg	-74.7588	41.02855
753	Neg	-74.7586	41.02855
754	Neg	-74.7584	41.02855

STP No.	Result	Lat	Long
755	Neg	-74.7582	41.02854
756	Neg	-74.7581	41.02855
757	Neg	-74.7579	41.02855
758	Neg	-74.7577	41.02855
759	Neg	-74.7575	41.02855
760	Neg	-74.7574	41.02855
761	Neg	-74.7572	41.02855
762	Neg	-74.757	41.02854
763	Neg	-74.7568	41.02854
764	Neg	-74.7566	41.02855
765	Neg	-74.7565	41.02855
766	Neg	-74.7563	41.02854
767	Neg	-74.7588	41.02869
768	Neg	-74.7586	41.02869
769	Neg	-74.7584	41.02869
770	Neg	-74.7582	41.02868
771	Neg	-74.7581	41.02868
772	Neg	-74.7579	41.02868
773	Neg	-74.7577	41.02868
774	Neg	-74.7575	41.02868
775	Neg	-74.7574	41.02868
776	Neg	-74.7572	41.02868
777	Neg	-74.757	41.02868
778	Neg	-74.7568	41.02868
779	Neg	-74.7566	41.02868
780	Neg	-74.7565	41.02868
781	Neg	-74.7588	41.02882
782	Neg	-74.7584	41.02881
783	Neg	-74.7582	41.02881
784	Neg	-74.7581	41.02881
785	Neg	-74.7579	41.02881
786	Neg	-74.7577	41.02881
787	Neg	-74.7575	41.02881
788	Neg	-74.7574	41.02882
789	Neg	-74.7572	41.02882
790	Neg	-74.757	41.02882
791	Neg	-74.7568	41.02881
792	Neg	-74.7566	41.02881
793	Neg	-74.7582	41.02895
794	Neg	-74.7581	41.02895
795	Neg	-74.7579	41.02895
796	Neg	-74.7577	41.02895

STP No.	Result	Lat	Long
797	Neg	-74.7575	41.02895
798	Neg	-74.7574	41.02895
799	Neg	-74.7572	41.02895
800	Neg	-74.757	41.02895
801	Neg	-74.7568	41.02895
802	Neg	-74.7566	41.02895
803	Neg	-74.7582	41.02909
804	Neg	-74.7581	41.02909
805	Neg	-74.7579	41.02909
806	Neg	-74.7577	41.02909
807	Neg	-74.7575	41.02909
808	Neg	-74.7574	41.02909
809	Neg	-74.7572	41.02909
810	Neg	-74.757	41.02909
811	Neg	-74.7568	41.02909
812	Neg	-74.7582	41.02922
813	Neg	-74.7581	41.02922
814	Neg	-74.7579	41.02922
815	Neg	-74.7577	41.02923
816	Neg	-74.7575	41.02922
817	Neg	-74.7573	41.02922
818	Neg	-74.7572	41.02922
819	Neg	-74.757	41.02922
820	Neg	-74.7581	41.02936
821	Neg	-74.7579	41.02935
822	Neg	-74.7577	41.02936
823	Neg	-74.7575	41.02936
824	Neg	-74.7573	41.02935
825	Neg	-74.7572	41.02936
826	Neg	-74.7577	41.02949
827	Neg	-74.7575	41.02949
828	Neg	-74.7574	41.02949
829	Neg	-74.7575	41.02963
830	Neg	-74.7565	41.02705
831	Neg	-74.7563	41.02714
832	Neg	-74.7561	41.02726
FR01	Pos	-74.7566	41.02584
FR02	Neg	-74.7566	41.02598
FR03	Neg	-74.7566	41.0259
JP01	Neg	-74.7567	41.02595
JP02	Neg	-74.7567	41.0259
JP03	Neg	-74.756	41.02624

STP No.	Result	Lat	Long
JP05	No_Dig	-74.756	41.02618
LPC01	Pos	-74.7562	41.02611
LPC02	Neg	-74.7562	41.02624
LPC03	Neg	-74.7562	41.02618
R01	Neg	-74.7571	41.02584
R02	Neg	-74.757	41.02591
R03	Neg	-74.7568	41.02591
R04	Pos	-74.7567	41.02584
R05	Neg	-74.7565	41.02618
R06	Neg	-74.7566	41.02625
R07	Pos	-74.7565	41.02632
R08	Neg	-74.7564	41.02625
R09	Neg	-74.7559	41.02618
R10	Neg	-74.7558	41.02611
R11	Pos	-74.7558	41.02597
R12	Neg	-74.756	41.02598
R13	Pos	-74.756	41.02611
R14	Neg	-74.757	41.02699
R15	Neg	-74.7569	41.02692
R16	Neg	-74.757	41.02686
R17	Neg	-74.7571	41.02692
R18	Neg	-74.7573	41.02693
R19	Neg	-74.7574	41.02686
R20	Neg	-74.7575	41.02692
R21	Neg	-74.7574	41.02699
R22	Neg	-74.7557	41.02611
R23	Neg	-74.7557	41.02598
ZB01	Neg	-74.7564	41.02611
ZB02	Neg	-74.7562	41.02598
ZB03	Neg	-74.7562	41.02606

Table 8. Test Unit Locations (SW Corner)

Unit Number	Easting	Northing
TU1	520510.65	4541645.9
TU2	520517.2525	4541646.1
TU3	520520.7396	4541669.7
TU4	520509.7769	4541677
TU5	520472.4901	4541701
TU6	520446.9392	4541654.9
TU7	520458.854	4541657.2

Appendix D.
Preparer Resumes

HELEN JUERGENS, M.A., M.ARCH.

Architectural Historian & Archaeologist

EDUCATION

M.A., Ancient Studies, New York University, 2014

M.Arch., Architecture, Tulane University, 2008

REGISTRATIONS/CERTIFICATIONS

ICMS Curation

Advanced Metal Detecting for The Archaeologist (AMDA)

American Red Cross First Aid/CPR/AED

PROFESSIONAL AFFILIATIONS

Professional Archaeologists of New York

Register of Professional Archaeologists

Society for American Archaeology

The New York Archaeological Council

American Institute of Archaeology

Helen Juergens is a Project Manager with twelve years of experience in cultural resources, involving both archaeological and architectural investigations. She has supervised documentation, survey, and excavation projects at multiple scales across the U.S., with an emphasis on the Northeast and Southeast. Ms. Juergens has completed assessments for architectural properties based on local, state, and National Register of Historic Places criteria. She has prepared technical reports in compliance with the National Environmental Policy Act (NEPA) and Section 106 and 110 of the National Historic Preservation Act including Historic Structure Reports (HSR) and historic preservation plans. She has completed work for various Federal, State, and local agencies, including the National Park Service (NPS), the Federal Emergency Management Agency (FEMA), the United States Army, the Department of Transportation in Florida and Mississippi, as well as numerous private clients. Ms. Juergens conducts architectural surveys and historic research with a focus on building diversity and inclusion in the archaeological record.

Ms. Juergens exceeds the Secretary of the Interior's Standards for Archaeology, History, and Architectural History.

SELECT PROJECT EXPERIENCE

Architectural Survey of Hastings, FL *Project Director (2021)*. Lead a team of experts to conduct a historic properties survey for Hastings and St. Johns County in fulfillment of a Florida Division of Historical Resources grant. Responsible for conducting research, selecting 350 qualified historic properties, supervising fieldwork, and completing a comprehensive report including submissions to the Florida Master Site File. Client: St. Johns County

Alabama Historic Commission Structure Survey, AL. *Project Director (2021-2022)*. Large, multi-phase survey of historic structures. Conducted historic research and property selection, and will supervise fieldwork, compile survey report, and complete AHC structure forms. Client: Terracon Consultants, Inc.

Easthampton Main Street Extension Survey, Easthampton, MA. *Project Director (2021)*. Intensive level survey of 100 historic resources in the downtown area of the City of Easthampton. Lead all phases of work from research, property selection, field survey, reporting, recommendations of NR eligibility, and submission of MHC structure forms. Client: Easthampton Historical Commission, Massachusetts Historical Commission.

Community Memorial Hospital NR Eligibility, Hamilton, NY. *Project Director (2021)*. Conducted survey and evaluated historic hospital structure for eligibility for listing on the National Register of Historic Places and authored report submitted to the NY SHPO. Client: Terracon, USDA.

Yorktown Historic Homes, Yorktown, VA. *Project Director (2020-2021)*. Phase I & II archaeological survey to support design and construction of waterproofing systems for Yorktown Historic homes at

Colonial National Historical Park. Directed field efforts, cataloged artifact assemblage under ICMS protocols, and authored report. Client: National Park Service.

Creque Marine Railway Cultural Resource Survey and Historic Structure Report, St. Thomas, US Virgin Islands. *Project Director (2019-2021)*. Lead a team of experts to conduct a historic and structural survey of a 19th century marine railway structure for the National Park Service. Responsible for recording and drafting a new set of current condition drawings and proposing multiple options for future management of the property. Client: National Park Service.

Fire Island National Seashore *Project Director (multiple projects 2016-2021)*. Conducted multiple monitoring or Phase I archaeological surveys in support of various utility installation and maintenance projects across the Fire Island National Seashore. Responsible for field supervision, reporting, and curating under the protocols of ICMS. Clients: GEI Consultants and National Park Service.

Fort Stanwix National Monument North Lawn Geophysical and Archaeological Survey and Testing, Rome, NY. *Project Director* (*2019-2020)*. GPR analysis, Phase I & II survey, excavations, and laboratory analysis of the North Lawn area of a historic fort. Responsible for archival research, GIS production, GPR data collection, synthetic analysis of results, reporting, and cataloging assemblage in ICMS. Client: National Park Service.

Florida Department of Transportation *Architectural Historian (2019-2021)*. Contribute to various architectural survey projects reviewing historic structures for eligibility for listing on the National Register of Historic Places. Client: FDOT.

Mississippi Department of Transportation *Project Director (2016-2020)*. Report on various archaeological survey projects reviewing historic bridges for eligibility for listing on the National Register of Historic Places. Client: MDOT.

Martin Van Buren National Historic Site Investigations, Kinderhook, NY. *Project Director* (*2017-2020)*. Phase I/II survey, excavations, and laboratory analysis of historic 17th and 18th century farmhouse and outbuildings. Responsible for documentary research, crew assembly, fieldwork supervision, artifact analysis and cataloging in ICMS, and authoring report. Conducted and supervised metal detector surveys, surface collections, shovel testing, and stratigraphic excavations. Client: National Park Service.

FEMA Environmental and Historic Preservation Consultant, Nebraska. *EHP Specialist* (*2019)*. Consulted for FEMA following disaster event in Nebraska. Attended site inspections, consulted with applicants on environmental and historic preservation concerns, and reviewed projects for compliance with federal regulations. Client: Federal Emergency Management Agency.

Carmans River Lower Lake Fish Passage Phase, Yaphank, NY. *Project Manager (2018-2019).* Ms. Juergens conducted an archaeological sensitivity assessment and literature review associated with the installation of a fish ladder on the Carmans River in Suffolk County, Long Island. The project area is located within a National Register property associated with 18th, 19th, and 20th century mill industries. Responsible for archival research, coordination with local historic societies, site file search, records identification and review, and report writing. Client: GEI Consultants.

SHANNON BRUFFETT, PH.D.

Project Historian

EDUCATION

B.A., Modern United States History University of South Florida, Tampa, Florida, 2015

Ph.D., Modern United States History/Public History, University of South Florida, Tampa, Florida, 2021

YEARS OF PROFESSIONAL EXPERIENCE

8

PROFESSIONAL AFFILIATIONS

Tampa Preservation, Incorporated

Florida Trust for Historic Preservation

National Trust for Historic Preservation

Dr. Shannon Bruffett is an expert in the study of the displacement of African American communities in the southeastern United States and also a scholar of Florida history. He has over eight years of specialized professional experience as a historian and project photographer and has formed an integral part of the local preservation community in his hometown of Tampa, Florida for nearly a decade. Dr. Bruffett's experience also includes establishing significance and evaluating integrity of buildings for the National Register of Historic Places throughout the state. His portfolio includes built-environment projects throughout the eastern United States from the Florida Everglades to the State of New York.

Dr. Bruffett began his second career as a preservationist and historian by leading a volunteer grassroots effort towards the successful nomination of Tampa's Bro Bowl to the National Register of Historic Places in 2013. At only 35 years of age, it was the first structure of its kind to be added to the NRHP. Building upon this success, Dr. Bruffett has been a vital resource since joining the PaleoWest team in 2020. From NRHP evaluations to cultural resource assessment surveys, to grant-funded historical preservation studies, his contributions have been recognized by a number of local, state, and federal agencies for their comprehensive and inclusive nature. Dr. Bruffett has been complimented by the Florida Division of Historical Resources for setting the standard in reporting for consistently including African American and other systematically marginalized communities in his historic contexts.

SELECT PROJECT EXPERIENCE

Historic Properties Survey of Hastings, St. Johns County, FL. *Project Historian (2020-2021).* St. Johns County received a grant from the Division of Historical Resources to document the historical structures of Hastings and its surroundings. Dr. Bruffett documented the local social, cultural, and economic history of the city's development, highlighting the African American population's contribution to its agricultural success. Client: St. Johns County Board of Commissioners

Avon Park Architectural Survey of Historic Lakeside Resources, Avon Park, Highlands County, FL. *Project Historian (2020-2021).* Historic properties survey for lakeside resources in Highlands County, FL in fulfillment of a Florida Division of Historical Resources grant. Dr. Bruffett conducted research, photographed and evaluated historic properties, performed fieldwork, and documented the local history of the city. Client: Highlands County Board of County Commissioners

Downtown Winter Garden Historic Survey, Winter Garden, Orange County, FL. *Project Historian (2020-2021).* Historic properties survey for historic resources in Orange County, FL in fulfillment of a Florida Division of Historical Resources grant. Dr. Bruffett conducted research, selected qualified historic properties, performed fieldwork, and documented the social, economic and cultural development of the city from its formation to present day, including the contributions of the local African American populace. Client: City of Winter Garden

Orange Avenue Apartments Structure Documentation, Tallahassee, Leon County, FL. *Project Historian (2020)*. Identify and document the various types of structures that constitute the Orange Avenue Apartments as a historical resource group. Historical research highlighted the social importance of this resource group to the African American community in Tallahassee. Based on Dr. Bruffett's research and its findings, the Florida State Historic Preservation Office (SHPO) determined that the resource group was eligible for the National Register of Historic Places. The project resulted in the completion of a Memorandum of Agreement (MOA) to mitigate adverse effects. Client: Columbia Residential

Historic Resource Survey of African American Experience at Long Pine Key in Everglades National Park, FL. *Project Historian (2020)*. Historic resource study to document the experiences of African American residents and workers in the Hole-in-the-Donut area of what is now Everglades National Park. Dr. Bruffett researched and documented the lived experience of African Americans and other Black agricultural laborers from the early to mid-twentieth century. Client: National Park Service

Ralph Strong Road Sidewalk Project, Quincy, Gadsden County, FL. *Project Historian (2020)*. Cultural resource assessment survey to locate and identify historic and assess their significance with respect to the National Register of Historic Places criteria. Dr. Bruffett documented the local history from the early-nineteenth to late-twentieth century, including the contributions of its African American populace. Client: FDOT D3

Florida SR 77 from Prim Avenue to 6th Avenue Sidewalks Project, Graceville, Jackson County, FL. *Project Historian (2020)*. Cultural resource assessment survey to locate and identify historic properties and assess their significance with respect to the National Register of Historic Places criteria. Dr Bruffett documented the local history, including the historic contributions of local business leaders, women's groups, African Americans, and others to the area's economic, social, and cultural development during the early to mid-twentieth century. Client: Client: FDOT D3

Phase I Cultural Resource Assessment Survey, Sidewalk Construction on Stillwell Boulevard, Crestview, Okaloosa County, FL. *Project Historian (2020)*. Cultural resource assessment survey to locate and identify historic properties and assess their significance with respect to the National Register of Historic Places criteria. Dr Bruffett documented the local history, including the contributions of local business leaders, musicians, African Americans, and others to the city's economic, social, and cultural development from the late-nineteenth to mid-twentieth century. Client: Florida Department of Transportation, District 3

SR 273 (Cambellton Hwy) From SR 77 (Main St) to Jackson County Line, Washington County, FL. *Project Historian (2020)*. Cultural resource assessment survey to locate and identify historic properties and assess their significance with respect to the National Register of Historic Places criteria. Dr, Bruffett documented the historical development of Florida State Road 273 and nearby Chipley, Florida including the historic contributions of local farmers, Native Americans, African Americans, and others to the area's economic, social, and cultural development from the early-nineteenth to mid-twentieth century. Client: Client: FDOT D3

ALTHEA R. WUNDERLER-SELBY, M.S.

Architectural Historian

EDUCATION

M.S., Historic Preservation, University of Oregon, Portland, OR, 2019

B.A., History, minor in Anthropology, University of Rhode Island, Kingston, RI, 2016

YEARS OF PROFESSIONAL EXPERIENCE

4

YEARS W/ FIRM

<1

REGISTRATIONS / CERTIFICATIONS

National Council for Construction Education and Research Core Curriculum

Advisory Council on Historic Preservation Section 106 E-Courses

National Park Service Cultural Landscapes Program, Preservation Horticulture Course

PROFESSIONAL AFFILIATIONS

National Trust for Historic Preservation

Riverside Avondale Historic Preservation

The Association for Preservation Technology

Ms. Wunderler-Selby is a Secretary of the Interior Standards qualified architectural historian with 4 years of experience in the field of cultural resource management. She received her M.S. in Historic Preservation from the University of Oregon and has experience on both the west and east coasts. Her experience is wide-ranging, encompassing numerous facets of cultural resource management.

Ms. Wunderler-Selby is well versed in hands-on technical preservation, preservation planning, advocacy and outreach, and regulatory compliance. She has assisted in the restoration of National Historic Landmarks and National Historic Sites and is knowledgeable of preservation trades. Additionally, she is familiar with the assessment and maintenance of historic cultural landscapes and historic cemeteries. Ms. Wunderler-Selby has assisted in the coordination and execution of architectural surveys in Oregon, Alaska, and Florida and is familiar with California DPR forms. She is knowledgeable of the criteria of the National Register of Historic Places and has worked with various clients in the public sector, including local governments, Counties, Oregon State Parks, the National Park Service, and the U.S. Army Corps of Engineers. She has produced engaging public outreach material for several of these clients and is experienced in interpretive writing as well as technical writing. Ms. Wunderler-Selby has assisted in the production of technical reporting in compliance with Section 106 of the National Historic Preservation Act, including Architectural Survey Reports, Conditions Assessment Reports, and National Register Nomination updates.

Select Project Experience

Southwest Arcadia Historic Resources Survey, Desoto County, Florida. *Architectural Historian (2022 - ongoing).* Ms. Wunderler-Selby is lead architectural historian for a small matching grant funded architectural survey of the southwest portion of Arcadia, Florida. The survey will result in the documentation of 250 historic resources. Client: City of Arcadia.

National Register of Historic Places Nominations For Proposed Coulter Memorial Academy Historic District and Amended Cheraw Historic District, South Carolina. *Architectural Historian (2021 – ongoing).* Ms. Wunderler-Selby will lead fieldwork and reporting for this ongoing NRHP nomination and amended nomination. Client: Town of Cheraw, South Carolina.

Eastside Historic Resources Survey Update and National Register Nomination, Duval County, Florida. *Architectural Historian (2021 – ongoing).* Ms. Wunderler-Selby lead fieldwork,

reporting, and client communication for an architectural survey of the Eastside neighborhood of Jacksonville, Florida, encompassing approximately 750 historic structures. Client: LIFT Jax.

Vicksburg National Cemetery Reconnaissance and Assessment, Warren County, Mississippi. *Architectural Historian (2021).* Ms. Wunderler-Selby prepared the local history and context for reporting. Client: National Park Service

Phase I Cultural Resource Assessment Survey, Bright Star Road, Douglas County, Georgia. *Architectural Historian (2021).* Ms. Wunderler-Selby was the architectural historian for this phase I CRAS, leading reporting for architectural results. Client: Greenhouse Consultants, Inc.

Fairfield Avenue Apartment Phase I CRAS, Pinellas County, Florida. *Architectural Historian (2021).* This project encompassed the identification and assessment of ten age-eligible buildings in St. Petersburg, Florida. Ms. Wunderler-Selby assisted in reporting and determinations of eligibility. Client: HP Capitol Group

Eastside Historic Properties Survey, Jacksonville, Duval County, FL. *Architectural Historian (2021).* The Eastside architectural survey is an on-going project to survey approximately 750 structures in the historically African American East side neighborhood of Jacksonville. The project aims to update a previous survey of the area, document newly historic-age resources, and nominate the neighborhood to the National Register of Historic Places. Ms. Wundeler-Selby will lead the fieldwork for the survey and will the primary report author and reporting coordinator. Client: LIFT JAX

Friendship Road Phase I CRAS, Hall County, GA. *Architectural Historian (2021).* During the Phase I CRAS of a parcel on Friendship Road in Hall County, Georgia, Ms. Wunderler-Selby led the assessment of built environment resources. Ms. Wunderler-Selby identified 3 historic buildings within and adjacent to the APE. These resources were documented and assessed for their individual eligibility on the National Register of Historic Places. Ms. Wunderler-Selby assisted with the production of the CRAS report, writing all sections relevant to the built environment and the local history of the area. Client: Greenhouse Consultants, Inc.

Waco Phase I CRAS, Carroll and Haralson Counties, GA. Architectural Historian (2021). *During the Phase I CRAS of a parcel in Waco, Georgia, Ms. Wunderler-Selby led the assessment of built environment resources. Ms. Wunderler-Selby identified 14 historic resources (encompassing buildings and structures) within and adjacent to the APE. These resources were documented and assessed for their individual eligibility on the National Register of Historic Places. Ms. Wunderler-Selby assisted with the production of the CRAS report, writing all sections relevant to the built environment and the local history of the area. Client: Greenhouse Consultants, Inc.*

Historic Properties Survey of Hastings, St. Johns County, FL. *Architectural Historian (2021).* The Hastings architectural survey was an intensive level survey of historic buildings located in Hastings, Florida. The survey encompassed 350 buildings and each building was assessed for individual eligibility on the National Register of Historic Places and potential eligibility within historical districts. Ms. Wunderler-Selby assisted in finalizing the list of surveyed structures, wrote architectural narratives, and assisted in the production of the final report. Client: St. Johns County

City of Hastings Historical Structure Survey, St. Johns County, FL. *Architectural Historian (2021).* The Hastings Florida Architectural Survey was an intensive level survey of historic buildings located in Hastings, Florida. The survey encompassed 300 buildings and each building was assessed for individual eligibility on the National Register of Historic Places and

potential eligibility within historical districts. Ms. Wunderler-Selby assisted in finalizing the list of surveyed structures, wrote architectural narratives, and assisted in the production of the final report. Client: St. Johns County

Avon Park Architectural Survey of Historic Lakeside Resources, Avon Park, Highlands County, FL. *Architectural Historian (2021).* The Avon Park architectural survey was an intensive level survey of historic resources located around six lakes. The survey encompassed 58 historic buildings and each building was assessed for individual eligibility on the National Register of Historic Places and potential eligibility within historical districts. Ms. Wunderler-Selby assisted with compiling the final survey report, tasking maps, and addressing client requested edits. Client: Highlands County Board of County Commissioners

Downtown Winter Garden Historic Survey, Winter Garden, Orange County, FL. *Architectural Historian (2021).* The Downtown Winter Garden survey was an intensive level survey of the existing Downtown Historic District and adjacent areas. The survey encompassed 206 buildings and each building was assessed for individual eligibility on the National Register of Historic Places and potential eligibility within historical districts. Ms. Wunderler-Selby assisted with the creation of architectural narratives and addressing client requested edits. Client: City of Winter Garden

St. Marks Cemetery Delineation, Leon County, FL. *Architectural Historian (2021).* The St. Marks Cemetery Delineation project included performing approximately 300 test probes to determine the presence of historic burials. Ms. Wunderler-Selby led fieldwork and assisted in the production of a technical memorandum of the project's findings. Client: F4 Tech.

Wakulla County Coastal Resources Survey, Wakulla County, FL. Architectural Historian (2021). *The Wakulla County Coastal Resources Architectural survey was an intensive level survey of historic buildings located in the coastal communities of Wakulla County. The survey encompassed 226 buildings and each building was assessed for individual eligibility on the National Register of Historic Places and potential eligibility within historical districts. Ms. Wunderler-Selby assisted in finalizing the list of surveyed structures, made determinations of eligibility, and coordinated and produced the survey report. Client: Wakulla County*

Alabama Historical Commission Architectural Survey, Geneva, Henry, & Houston Counties, AL. *Architectural Historian (2021).* The Alabama Historical Commission Architectural Survey of Geneva, Henry, and Houston Counties is an ongoing project consisting of a multi-county architectural survey. With a previous employer Ms. Wunderler-Selby assisted in pre-survey research to aid in the writing of a historical context for each county. With PaleoWest, Ms. Wunderler-Selby has lead fieldwork and reporting. Client: Alabama Historical Commission

Historical Structure Survey of Houston County and Dauphin Island, Houston County and Mobile County, AL. *Conservation Technician, Architectural Historian (2021).* The Alabama Historical Commission Architectural Survey of Geneva, Henry, and Houston Counties is an ongoing project consisting of a multi-county architectural survey. With a previous employer Ms. Wunderler-Selby assisted in pre-survey research to aid in the writing of a historical context for each county. With PaleoWest, Ms. Wunderler-Selby has crafted additional historic contexts and is the lead for the survey fieldwork. Client: Alabama Historical Commission

Elissa Rutigliano, B.A. | Archaeologist

Chrysalis Archaeological Consultants

Ms. Rutigliano has two years of experience working in all phases of archaeological excavation around the New York City area.

SELECTED PROJECT EXPERIENCE BY STATE

New York

Reconstruction of Peck Slip – Phase IB (2020)
New York, NY
Monitored construction activities and excavation as Field Director in archaeologically sensitive areas during the reconstruction of Peck Slip

St. Peter's Church and Cemetery, Westchester Square Development Project – Phase IB (2020)
Bronx, NY
Conducted shovel test excavations across the outdoor property belonging to the historic St. Peter's Church, to identify potential cultural resources and human remains related to a late-17th century Quaker Meeting House and cemetery

The Battery Playscape, Battery Park – Phase IB (2020)
New York, NY
Monitored pre-construction excavation conducted by backhoe of an area where possibly intact remains of the National Register-eligible Battery Wall were identified

824-832 Metropolitan Avenue – Phase IA (2019)
Brooklyn, NY
Conducted documentary research to determine archaeological sensitivity and to assess the impact of proposed development on potential prehistoric and historic cultural resources

Rehabilitation of East 174th Street Bridge – Phase IA (2019)
Bronx, NY
Conducted documentary and archival research to determine archaeological sensitivity and the potential for prehistoric and historic resources, in advance of the rehabilitation of the East 174th Street bridge over Sheridan Expressway

1662 Bergen St. – Phase IA (2019)
New York, NY
Conducted historic documentary research to determine cultural sensitivity in an archaeologically sensitive area located near the Hunterfly Road Houses – Weeksville Heritage Center

AREAS OF EXPERTISE

Archaeological Survey and Excavation

Laboratory Preparation and Analysis

Documentary and Historic Research

EDUCATION

B.A., Archaeology: 2017
Brooklyn College

CERTIFICATIONS

10-Hour OSHA Construction Safety Training (2017)

30-Hour OSHA Construction Safety Training (2020)

PROFESSIONAL EXPERIENCE

2016-Present: Chrysalis Archaeological Consultants

2016-Present: In Bardo Pictures (consultant, freelance)

2015-2017: Indiantown Trail, Antigua & Barbuda (field archaeologist)

2011-2012: HBO (script coverage, freelance)

CONTACT INFORMATION

erutigliano@chrysalisarchaeology.com

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4110 Quentin Road
Brooklyn, NY 11234-4322
Phone: 718.645.3962

Brooklyn Laboratory
3604 Quentin Road
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Rhode Island Regional Office
One Richmond Square – Suite 121F
Providence, RI 02906-5139
Phone: 401.499.4354

Chrysalis
Archaeological Consultants

Long Beach Water Pollution Control Plant Consolidation Project – Phase IA (2019)
Nassau County, NY
Conducted documentary research to determine archaeological sensitivity and the potential for prehistoric and historic cultural resources in three cities on the south shore of western Long Island, in advance of a large-scale wastewater and sewer management project

Hart Island (2018 to present)
Bronx, NY
Ongoing collection and emergency management of nineteenth-century human remains in areas affected by extreme erosion and weathering resulting from Hurricane Sandy, in advance of a large-scale mitigation project

Reconstruction of C.C. Moore Homestead Park – Phase IB (2019)
Queens, NY
Participated in excavation of an outdoor feature uncovered during construction activities in the historically sensitive C.C. Moore Homestead Park

204 Avenue A – Phase IA (2019)
New York, NY
Conducted historic documentary research to determine cultural sensitivity and to assess the impact of proposed development on potential prehistoric and historic cultural resources

Reconstruction of the Pavilion at Conference House Park– Phase IB (2019)
Staten Island, NY
Monitored excavation of construction activities related to the "Pavilion Project" at the end of Hyland Blvd. adjacent to Satterlee St. at Conference House Park

St. Peter's Church and Cemetery, Westchester Square Development Project – Phase IA (2019)
Bronx, NY
Conducted documentary and archival research to determine cultural sensitivity of the project site in regard to buried and/or extant cultural resources, as it related to a mid-17th century Colonial townhouse, and a late-17th century Quaker Meeting House and adjoining cemetery; and to assess the potential impact of proposed development to these resources within the project area and the adjacent St. Peter's cemetery

Hunts Point Wastewater Treatment Plant – Phase IA (2019)
Bronx, NY
Conducted documentary and archival research to determine cultural sensitivity and the potential for prehistoric and historic resources, in advance of construction of new anaerobic digester facilities

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Chrysalis
Archaeological Consultants

Alice Austen Park and House – Phase IB (2019)
Staten Island, NY
Conducted shovel test excavations across the outdoor property associated with the historic Alice Austen Park and House, to identify potential cultural resources in advance of planned Hurricane Sandy-related repairs and improvements

Elmhurst History and Cemeteries Preservation Society – Statement of Significance (2018)
Queens, NY
Contributed documentary research and assisted the Principal Investigator to determine eligibility of a local cemetery and church site for inclusion on the National Register of Historic Places

Nissequogue - IB (2018)
Suffolk County, NY
Participated in shovel test excavations to identify potential prehistoric cultural resources in areas of planned residential development

Historic Old House, Cutchogue (2018)
Suffolk County, NY
Monitored replacement of utility lines in archaeologically sensitive areas surrounding the park.

Vander-Ande Onerdonk House (2017 to present)
Queens, NY
Involved in the creative production and lead design of visual materials and publications, related to special exhibitions and teaching programs pertaining to community outreach initiatives of the Vander-Ande Onderdonk House.

Myrtle Avenue – Phase IB (2017 to present)
Brooklyn, NY
Phase II excavation of several shaft features including wells and cisterns.

Washington Square Park – Phase IB (2016 to present)
New York, NY
Monitored replacement of utility lines in archaeologically sensitive areas surrounding the park.

The Lott House (2016 to present)
Brooklyn, NY
Worked on the design, fabrication, and development of new display methods for exhibitions for the historic Lott House.

Antigua & Barbuda

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Indiantown Trail (2015 to 2017)
Barbuda
Helped conduct and carry out all elements of an archaeological excavation at the prehistoric site of Indiantown Trail. Mapped, analyzed, and recorded archaeological artifacts and features. Assisted in the lab analysis (including cleaning, preserving, and identifying artifacts) and the lab management (including maintaining data entry, data integrity, and data catalog) of the collection.

California

In Bardo Pictures (2016 to present)
Los Angeles, CA
Edited and analyzed potential projects to form assessments and compose reports on their potential viability for production. Lead design and the creative production of pitch decks, look books, and investor presentations for independent films that effectively communicated tone and potentiality for each singular project. Illustrated an ability to exercise considerable autonomy and initiative in professional activities; and demonstrated a significant capacity for the management of a project and project team.

HBO (2011 to 2012)
Los Angeles, CA
Conducted deadline-driven script analysis, composed script coverage and notes on feature submissions and templates, analyzed and graded screenplays during development process, advised and made recommendations on structure of scripts, and contributed to generation of ideas and solutions for script challenges.

Alyssa Loorya, Ph.D., R.P.A. |
President, Principal Investigator

Chrysalis Archaeological Consultants

Ms. Loorya is founder and president of Chrysalis Archaeological Consultants. For more than twenty years she has worked in cultural resource management and public education devoted to preserving cultural resources and communicating their value to local communities. She has completed over sixty technical and academic reports and has delivered dozens of presentations concerning preservation compliance, New York City historical development, and educational curricula. Her extensive experience lends itself to her roles in developing and executing research and excavation plans, project management, regulatory compliance and report production.

PROJECTS BY STATE

New York:

Brooklyn:

63/65 Columbia Street – Phase IA (2004)
102 Franklin Avenue Project – Phase IA (2006)
147 Hicks Street – Phase IB (1998)
265 Front Street – Phase I (2016)
1019-1029 Fulton Street – Phase IB/Monitoring (2019)
1662 Bergen Street – Phase IA (2019)
824 Metropolitan Avenue- Phase IA (2020)
Bond Street and Pacific Street – Phase IA (2018)
Brooklyn Navy Yard (Steiner Studio) – Phase IB (2017-2018)
Coney Island Utility Upgrade – Phase IB/Monitoring (2017-2018)
Downtown Brooklyn Reconstruction – Phase IB/Monitoring (2012)
Elias Hubbard House – Phase IB (2001)
Former Naval Yard Annex Brooklyn Navy Yard -Phase IB/Monitoring (2017)
Fulton St – Phase IB (2019)
Gravesend Cemetery – Phase IB (2001)
Greenpoint Project – Phase IA (2013)
Gowanus Canal Study – Phase IA (2012)
Hendrick I. Lott House – Phase IB/Monitoring (2004, 2013)
Floyd Bennett Field – Phase IB/Monitoring (2014)
Marine Park – Phase IB/Monitoring (1997, 2003)
Myrtle Avenue - Ingersol Senior Housing—Phase I/II (2016-2020)
Pieter Claesen Wyckoff House – Phase IB/Monitoring (2004)
Shell Road – Phase IA (2019)
Sponge Park, Gowanus Canal – Phase IB/Monitoring (2017)

AREAS OF EXPERTISE

National Historic Preservation Act Section 106 Compliance

Material Collections Analysis

Archaeological Survey and Excavation

Public Outreach

EDUCATION

Ph.D., Anthropology and Archaeology: 2018, CUNY Graduate School

M.A., Anthropology and Archaeology: 1998, Hunter College

CERTIFICATIONS

Register of Professional Archaeologists

10-Hour OSHA Construction Safety

30-Hour OSHA Construction Safety

40-Hour OSHA HAZWOPER

SWAC - Secure Worker Access Consortium

PROFESSIONAL EXPERIENCE

1995-2001: Brooklyn College Archaeological Research Center

2001-Present: Chrysalis Archaeological Consultants, President and Principal Investigator

2006-2010: URS Corporation, Principal Investigator

2007-2010: Gray & Pape, Supervisory Consultant

CONTACT INFORMATION

aloorya@chrysalisarchaeology.com

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Manhattan:

50 Bowery – Phase I (2014-2015)
156 Rivington Street – Phase IA (2012)
204 Avenue A – Phase I (2019-2020)
235 Lafayette Street – Phase IA (2013)
246 Front Street – Phase I (2012)
246 Front Street- Phase IB (2012)
311 Broadway – Phase IA (2005)
79 Christopher Street Burial Vault Project – Phase II (2008)
Chambers Street – Phase IB (2005)
City Hall Reconstruction Project – Phase IB and II (2010-2015)
Columbus Park – Phase I (2007)
Consolidated Edison Project – Phase IA (2006)
Dyckman Farmhouse Project – Phase IB/Monitoring (2007)
Ellis Island – Phase IB/Monitoring (2001)
Fortune Society Project – Phase IA (2007)
Fulton Street Reconstruction – Phase I and II (2009-2018)
High Bridge Park – Phase IB/Monitoring (2014-2015)
John Street - Phase IB/Monitoring (2011)
Liberty Island – Phase IB/Monitoring (2001)
Major Deegan Express Bridge – Phase IA (2016)
Peck Slip – Phase I and II (2011-2018)
Peck Slip – Phase 1B/Monitoring (2020)
Peter Minuit Park- Phase IB/Monitoring (2020)
Randall's Island – Phase IB/Monitoring (2018)
Roger Morris Park – Phase IB/Monitoring (2005)
South, South Street – Phase IB/Monitoring (2017-2018)
Stone Street – Phase IB/Monitoring (1998)
Wall Street Water Main Project – Phase I (2007-2008)
Washington Square Park – Phase IB/Monitoring (2015-2020)
Warren Street/John Street – Phase IB/Monitoring (2017)
West Village Housing – Phase IA (2007)
Worth Street—Phase I/Monitoring (2018 to 2020)

The Bronx:

174th Street (Dutch Broadway) Bridge Replacement – Phase IA (2019-2020)
Bartow-Pell Mansion – Phase IB/Monitoring (Barn) (2008, 2012)
Bartow-Pell Mansion – Phase IB/Monitoring (Barn) (1993)
Bartow-Pell Mansion – Phase IB/Monitoring (Cemetery) (2004)
Bronx River Greenway – Phase IB/Monitoring (2015-2016)
City Island Bridge Replacement – Phase IB/Monitoring (2014-2016)
Ferry Point Park – Phase IB/Monitoring (2020)
Fort Independence – Consultation (2012)
Hart Island – Phases I and II (2017 to 2020)
Hunts Point – Phase IA (2019)
Major Deegan Expressway – Phase IA (2016-2017)
Monsignor Del Valle Square – Phase IA (2016)
Pelham Bay Park – Phase IB/Monitoring and II (2015)
Saint Peter's Church – Phase I (2019-2020)
Van Cortlandt Park Dog Run – Phase IB (2015)
Van Cortlandt Park Dog Run – Phase I (2016)

Queens:

C.C. Moore Homestead Park – Phase IB /Monitoring (2019)
John Bowne House – Phase IB/Monitoring (2016)
John Bowne House – Phase II – Phase IB/II/Monitoring (Cistern) (2014)
John Bowne House – Phase IB (Foundation Work) (2019-2020)
Elmhurst Cemetery – Phase IA (1997)
Elmhurst Cemetery - Phase IB (2020)
Fort Totten – Phase IB (2019)
Kosciuszko Bridge Replacement – Phase IB (2016-2017)
Little Bay Park – Phase I (2013-2014)
Martin's Field Phase I Project - Phase IB/Monitoring (2006)
Martin's Field Phase II Project - Phase IB/Monitoring (2006)
Newtown Playground – Phase IB/Monitoring (2018-2019)
Old Town Burial Ground (Martin's Field) -Phase IB/Monitoring (2020)
Queens County Farm Museum – Phase IB/Monitoring (2004)
Rockaway Beach Boulevard – Phase IB/Monitoring (2018)
Riis Park Boathouse – Phase IB/Monitoring (2019-2020)
Rufus King Park – Phase IB/Monitoring (Tree Planting) (2006)
Rufus King Park – Phase IB/Monitoring (Utility Upgrade) (2007)
Rufus King Park- Phase IB/Monitoring (Utility Upgrade) (2020)
Saint George's Church – Phase IB/Monitoring (2010)
South Jamaica Urban Renewal Project – Phase I – Phase IB (2007)
South Jamaica Urban Renewal Project – Phase II – Phase IB (2008)
Wayanda Park – Phase IB/Monitoring (2003)
Woodhaven Boulevard – Phase IA (2020)

Staten Island:

210 Broad Street - Phase IA (2009)
210 Broad Street-Phase IB (2009)
Block 7792, Page Avenue – Phase I (2005)
Alice Austen House – Phase IB (2018)
Conference House Pavilion, - Phase IB (2018-2020)
Farm Colony of NYC – Phase IB (2014)
Fort Wadsworth – Phase IB/Monitoring (Utility Line) (2014)
Fort Wadsworth – Phase IB/Monitoring (Security Perimeter) (2016)
Fort Wadsworth- Phase IB/Monitoring (Building 443 Demo) (2018)
Midland Beach Boulevard – Phase IB/Monitoring (2018)
Ocean Breeze Park – Phase IA (2008)

Nassau County:

545 Arlington Road, Cedarhurst – Phase IB/Monitoring (2014)
Hofstra University – Historical Research Report (2015-2017)
Long Beach/Island Park – Phase IA (2019)
Long Island Rail Road Expansion – Phase IA (2018)
OEHL Residential Facility, Cedarhurst – Phase IB (2014)
U.S. Merchant Marine Academy – Phase IB/Monitoring (2010)

Ulster County:

NYC DEP Water Tunnel – Catskill and Delaware (2013)
Interconnection Replacement – Phase IB/Monitoring (2012)
The Village of Ellenville – Phase IB (2014)

Suffolk County:

221 Main Street, Sag Harbor – Phase I (2016)
404 Littleworth Lane, Sea Cliff – Phase IB/Monitoring (2016)
Artesian Way, Nissequogue – Phase II (2016-2017)
Brightview Senior Living Center, Port Jefferson Station – Phase IA (2019)
Carll's River, Town of Babylon – Phase IA (2017)
Fire Island National Seashore – Phase IB/Monitoring (2014)
Forge River Sewer Line Project – Phase IB/Monitoring (2017-2018)
Hubbard County Park – Phase I (2016)
John Jermain House Well, Sag Harbor – Phase IA (2016)
MacArthur Airport – Phase IA (2018-2020)
Old House, Cutchogue – Phase IB (2018)
The Edwards Homestead; Sayville – Phase IB (2001)

Westchester County:

Charles Point Park, Peekskill – Phase IB (2016)
Consolidated Edison Project – Phase IA (2006)
Memorial Field, Mt. Vernon, NY – Phase I (2010)
Tappan Zee Bridge Replacement – Phase I/Monitoring (2014-2016)
Timothy Knapp House; Rye – Phase IB (1997)

Rockland County:

Village Hall, Village of Grand View on Hudson, NY—Documentation Package/Phase IA (2015-2015)

St. Lawrence County:

Alcoa Powerhouse—Phase IA (2016)

Vermont:

Richmond, VT – Phase IB (2013)
Weathersfield, VT – Phase IB (2013)

New Hampshire:

Fitzwilliam, NH – Phase IB (2015)

Connecticut:

Audubon Society of Greenwich, CT – Phase IB (2001)
West Haven, CT – Phase IB (2015)

Pennsylvania:

Sharswood-Blumberg, Philadelphia Housing Authority – Phase IA (2018)

Massachusetts:

Deerfield and Goshen Archaeological Sensitivity and Procedural Overview- Historical Research Report (2014)

New Jersey.

Atlantic Coastal Mitigation Bank Site, Block 270, Lots 12-13, City of Pleasantville—Phase IA (2014)
Elizabeth River Mitigation Site, Union Township, Union County – Phase IA (2010)
Cranbury Wetland Mitigation Site – Phase I (2009)
Deep Run Preserve, Block 8003, Lot 7 and 11, Old Bridge Township – Phase IA (2014)
Hunterdon County Bridge Replacement – Phase IA (2006)
Jamesburg County Park, Block 18, Lots 5, 6, 6.05, and 7, Helmetta Borough – Phase IA (2014)
Lenape Farms, Atlantic County – Phase I (2015)
Mullica River Mitigation, (Pinelands) Evesham Township, Burlington County – Phase IA (2013)
New Bridge Landing Park – Documentation Plan (2019-2020)
Oldmans Creek Mitigation Site, Pilesgrove Township, Salem County – Phase I (2014, 2015)
Oradell Reservoir Site, Bergen County – Phase I (2012)
Overpeck Creek Park; Englewood – Phase IA (2009)
Pin Oak Forest Conservation Area, Block 1020.01, Lot 1.03, Woodbridge Township – Phase IA (2014)
Pleasant Grove, Jackson Township – Phase I (2012)
Southard Avenue, Howell Township – Phase I (2012)
Spotswood Road; Township of Monroe – Phase I (2012)
Steuben House; Bergen County – Phase I (2019-2020)
Thompson Park Extension, Block 20, Lot 28.06 and 28.08, Monroe Township – Phase I (2015)
Trestle Replacement, Gloucester County – Phase IA (2009)

EMPLOYMENT – EDUCATION-PRESERVATION-CONSULTATION:

BROOKLYN COLLEGE AND DEPARTMENT OF EDUCATION, STAR HIGH SCHOOL
Archaeological-Education Consultant, July 2004 to 2005
Teaching special content classes and grant writing.

CITY UNIVERSITY OF NEW YORK'S – RESEARCH FOUNDATION/GOTHAM CENTER
Educational Consultant - Archaeology and Historic Preservation - City Hall Academy September 2003 – June 2004 and November 2004 to 2005

DIG MAGAZINE
Archaeological-Education Consultant and Contributor, 2000 to 2005

HENDRICK I. LOTT HOUSE PRESERVATION ASSOCIATION, INC.
Program Development, January 2005 to present
Developed the Interpretive-Educational-Curriculum Plan for the Hendrick I. Lott House.

INSTITUTE FOR ARCHAEOLOGICAL EDUCATION AT MANHATTANVILLE COLLEGE
Curriculum Developer and Archaeological Educator, September 1997 to December 1998
PS 134, New York, NY, Scarsdale Elementary School, Scarsdale, NY, Congregation Emmanuel of Harrison, NY, Temple Israel of New Rochelle, NY

NEW JERSEY INSTITUE OF TECHNOLOGY
Educational Consultant, March 2001 to December 2004, February 2007 and May 2008 to 2009
Developing special content curriculum for NYC Department of Education to meet national and state standards using primary resource historic preservation material. Teacher development and classroom teaching.

PIETER CLAESEN WYCKOFF HOUSE MUSEUM
Archaeological-Educator – Curriculum Development Consultant, 2003 to 2008
Responsibilities include the creation and implementation of Teacher Workshops throughout the school year.

GREATER RIDGEWOOD HISTORICAL SOCIETY
Program Development, January 2016 to present

Developed and implemented an Archaeological Education Curriculum for the Vander-Ende Onder Donk House. Created web and print based media presentations, including several museum displays.

SOUTH STREET SEAPORT MUSEUM
Archaeological Educator, September 1999 to June 2001

PROFESSIONAL SERVICES:

1999 to 2006 Board of Trustees – The Hendrick I. Lott House Preservation Association
2003 to 2007 Member – Historic House Trust Educators Alliance
2002 to 2007 Advisory Board – Pieter Claesen Wyckoff House Museum
2002 to 2007 Advisory Board - Brooklyn Heritage Inc.
2005 to 2007 Board of Trustees - Salt Marsh Alliance
2010 to 2016 Advisory Board – Historic Districts Council of New York City
2012 to 2013 Vice President – Professional Archaeologists of New York City
2013 to 2014 President – Professional Archaeologists of New York City
2016 to present Advisory Board – Pieter Claesen Wyckoff House Museum
2016 to present Board of Trustees – Historic District Council of New York City
2015 to present Vice President - The Hendrick I. Lott House Preservation Association

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

The Council for Northeast Historical Archaeology (CNEHA)
Historic District Council (HDC)
New York Archaeological Council (NYAC)
The Professional Archaeologists of New York City (PANYC)
The Register of Professional Archaeologists (ROPA)
The Society for Historical Archaeology (SHA)

PUBLICATIONS:

Over 100 publications in CRM and popular magazines published. For full listing see www.chrysalisarchaeology.com

Conference Papers/Lectures/Teacher Workshops:

Over 100 Conference Papers presented since 1997. For full listing see: www.chrysalisarchaeology.com

REFERENCES (ARCHAEOLOGICAL):

Project:	City Hall and Park, New York, NY
Prime:	Beyer Blinder Belle Architects
POC:	Richard Southwick, (212) 777-7800, RSouthwick@BBBARCH.com
Year Completed:	2013
Services:	Archaeological – Phase IB, II and III Monitoring and Excavation
Project:	Peck Slip Reconstruction Project, New York, NY
Prime:	Tectonic Engineering
POC:	Peter Roloff, (718) 391-9200, PRoloff@tectonicengineering.com
Year Completed:	2015
Services:	Archaeological – Phase IA, IB and II Monitoring and Excavation
Project:	Fulton Street Reconstruction Project, New York, NY
Prime:	HAKS Engineering
POC:	Hashem Kotby, (212) 747-1997, hkotby@haks.net
Year Completed:	2015
Services:	Archaeological – Phase IA, IB and II Monitoring and Excavation
Project:	Gowanus Canal Historic District Survey, Brooklyn, NY
Prime:	Gregory Dietrich Preservation
POC:	Gregory Dietrich, (917) 828-7926, ggdietrich@msn.com
Year Completed:	2011
Service:	Archaeological – Phase IA – including National Register building survey

REFERENCES (EDUCATIONAL):

Linda Monte, President
Greater Ridgewood Historical Society/Vander-Ende Onder Donk House
1820 Flushing Avenue
Ridgewood, Queens, New York 11385
Phone: (718) 456-1776
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Center for Architecture and Building Science Research
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HISTORIC DISTRICT FORM

Historic Sites #:

District Name: STICKLE-ACKERMAN FARMSTEAD

County(s): Sussex **District Type:** Agricultural

Municipality(s): Andover Township **USGS Quad(s):** Newton West

Local Place Name(s):

Development Period 1814 To 1890 **Source:**

Physical Condition: Poor

Remaining Historic Fabric: Low

Registration and Status Dates:

National Historic Landmark:

SHPO Opinion:

National Register:

Local Designation:

New Jersey Register:

Other Designation:

Determination of Eligibility:

Other Designation Date:

HISTORIC DISTRICT FORM

Historic Sites #:

Description: The Stickle-Ackerman Farmstead consists of seven historic-age buildings, one modern shed building and one historic-age wall structure. The historic buildings are located along the southeastern corner of the survey subject parcel.

Zachariah Stickle Sr. originally purchased the property with his son, Zachariah Stickle Jr., in 1790. The sale was for 193 acres. The farmstead was divided following his death and remained in the Stickle family until at least the 1820s. By the 1860s John Ackerman had acquired the farmstead. The Ackerman family occupied the property into the twentieth century. It is likely that the older extant farm buildings date to this period. Upon William Ackerman's death, the property was deeded to Edith Buchanan in 1918, and then Vernon E. Jump in 1927. Deed records indicate that Vernon E. Jump and Lila L. Jump acquired the properties, totaling 143-acres in 1927. The Jump family is recorded as living on a "farm" in the 1930 US Federal Census, but Jump's occupation was "accountant," so the property may not have been an active farm at that time. Vernon and Lila deeded the property to their son, Charles and his wife in 1966 who then sold the property to the RRL Group to be developed into the Newton Airport.

Building #1 is a one-story barn with Masonry Vernacular style. Built circa 1920s (based on historical aerials and the building's materials), it has a rectangular-shaped plan and a rolled asphalt gable roof. The building is concrete block construction with wooden drop siding in its gable ends. Building #2, is a one-story garage with Frame Vernacular style. Built c. 1970 (based on historical aerials), it has a rectangular-shaped plan and an asphalt roll front gable roof. The building is wood frame construction clad in aluminum siding and plywood. Building #3 is a ruinous storage building with no discernable style. Built circa 1970 (based on historical aerials), itappears to have had a rectangular-shaped plan and an asphalt shingle gable roof when extant. The building was wood frame construction with no discernable cladding. Building #4, is a two-story residential (originally barn) building with Dutch Colonial Revival style. Built circa 1890 (based on historical aerial and style), has a rectangular-shaped plan and a low-pitched asphalt shingle gambrel roof. The building is wood frame construction clad in wooden shingles and wooden clapboard. Building #4 likely dates to the Ackerman family occupation of the farmstead. The barn was converted to a residence with altered windows, a shed roof sunroom addition, and an entry porch addition. The materials indicate a modern period for the rennovations. Building #5 is a two-story residential structure with Colonial Revival style. The building was constructed and added to different time periods. The original, two-story portion was likely built circa 1820s when Zachariah Stickle Jr. owned the property (based on deeds, historical maps, and the building's style), has a rectangular-shaped plan and an asphalt shingled side gable roof with boxed eaves with returns. Three additions, dating to later in the 19th Century during the Ackerman occupation of the property, to its right (east) elevation have the same roof type and materials, with peaks at varying heights. The building is balloon wood frame construction clad in wooden shingles. The additions to the building are clad in wooden clapboard. Building #6 is a one-story storage structure with Colonial Revival style. The building, built circa 1910 (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled gable roof with exposed rafter tails in the eaves and a shed pent extension over an enclosed addition on the south elevation. The building is balloon wood frame construction clad in wooden shingles. Building #7 is a two-story outbuilding (barn/storage) with Frame Vernacular style. The building, built circa 1960 (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled gambrel roof with boxed eaves. The building is wood frame construction clad in aluminum siding. Building #8 (Shed) is a non-historic one-story otubuilding (shed) with no style. The building, built circa 2000s (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled gambrel roof. This structure has a wood frame and is clad in vertical wood siding. Structure #1 (Stone Wall) is a portion of hand-stacked stone fencing. It is not possible to date the fence using historic aerials and topographic maps, as it does not appear on either, but it is most likely that this stone fence dates back to sometime around circa 1820 when the Stickles family were known to have utilized portions of the property for agricultural production. Several references to stone piles as survey markers are mentioed in deed records, although the exact locations of those marker are not known and descriptions are general.

The historic buildings do not share a cohesive sense of style or use-period. Generally, they were constructed for utilitarian purposes using vernacular materials and styles.

HISTORIC DISTRICT FORM

Historic Sites #:

Setting: The survey subject parcel is accessible via two gravel paths, partially overgrown with vegetation, leading north from Stickles Pond Road to the extant Newton Airport paved runway. The property is partly leveled and cleared of trees with knee-high grasses. The debris of equipment related to the airport is scattered about the property. The north-central portion of the subject parcel is forested and a rocky outcrop rises to the south of the forested area. The farmstead buildings are located in the southeastern corner of the subject parcel, just to the north of Stickles Pond Road. The buildings are separated from the road by a cluster of trees. The property is mowed and maintained between the buildings, with some areas of overgrown vegetation, especially around the abandoned storage buildings.

Survey Name:	PHASE IA & IB INVESTIGATION OF THE PROPOSED BHT DEVELOPMENT AT STICKLES POND ROAD, SUSSEX COUNTY, NEW JERSEY	Date:	July 20, 2022
Surveyor:	Helen Juergens, Shannon Bruffett, Althea Wunderler-Selby, Elissa Rutigliano, Alyssa Loorya		
Organization:	PaleoWest		

ELIGIBILITY WORKSHEET

Historic Sites #:

History: The Stickle-Ackerman Farmstead consists of seven historic-age buildings, one modern shed building and one historic-age wall structure. The historic buildings are located along the southeastern corner of the survey subject parcel. 248 Stickles Pond Road is a farm complex historically known as the Stickle-Ackerman Farmstead. The land surrounding and including the APE and parcel were originally owned by Zacharias Stickle Sr. and his son as early as the late-eighteenth century. Zachariah Stickle Sr. (1723 – 1797) and his son Zachariah Stickles Jr. (1759 – 1802), purchased 193 acres of land on May 25, 1790 in what would become Andover Township, thus establishing the Stickle homestead at that time (Jones 1998). There is no indication that this branch of the Stickles family had settled in Sussex County before this period. Zachariah only first appears on the tax rolls as early as 1793. His property was left to Zachariah Jr. and brother Andrew Stickle and Peter Snook. Zachariah Stickle Jr., died in 1802 and various members of the extended family owned rights to the farmstead. These included Mary Stickles, Zachariah's window

Zacharias's property was then split between his surviving children and relatives. In April, 1823, the land immediately south and west of Stickle's Pond was owned by Philip Stickles and totaled some 78 12/100th acres. This was bounded by Stickles Pond Road to the south, and property owned by Zachariah Stickle Jr. to the immediate east, totally only four acres. There is no indication in early deed or estate records that stipulate buildings or homes on the property at the time of the transfer. In 1823, Philip married Jane Nixon. Philip died in 1832 and there is evidence that his widow Jane inherited the property including the project APE. They had two children at this time.

John Ackerman (1811 – 1896), identified on the 1860 map of Sussex County as "J. Ackerman" was listed as a farmer in the New Jersey Birth and Death Index in 1896. According to the 1880 U.S. Federal Census, John Ackerman was living with his wife Jane Ackerman (1806 – 1881) in Andover Township.
In 1870, John Ackerman is listed as a farmer with $7,000 in real estate value and $400 in personal estate value. This indicates that Ackerman was not a tenant farmer, but owner the property on Stickles Pond Road. In 1860 those values were $5500 and $400, respectively. The value of the Ackerman real estate was $3,000 in 1850. Evidence suggests that Jane Ackerman was first married in 1823 to Philip Stickles. It is likely that she inherited Philip's land holdings, then married John Ackerman sometime before 1850, who then inherited the land. James P. Snell wrote in 1881 that Zachariah Stickle, presumably Jr., lived and died on the Ackerman place. He also lists John and Jane Ackerman as some of the oldest residents of Andover at 66 and 75 years old, respectively (Snell 1881). It is likely that during John Ackerman's occupation of the property, the farmstead buildings were initially constructed. Additional buildings were likely added as Ackerman's real estate valuation reflects.

A 1950 U.S. Census Enumeration District Map ED 19-1 to 48 identifies only two structures within the current farmstead. One listed as a "Dwelling (Other than a farm)" likely Building 5. Another structure is listed as "Farm Unit Not In Use" and is likely Building 1. Immediately north of the farmstead are several structures identified as "Seasonal or Summer Colony Dwellings Closely Spaced."

The next known owners of the property are Vernon E. Jump (1894 - 1971) and Lila L. Jump. Vernon married Lila in Staten Island on September 9, 1913. The 1930 U.S. Federal Census lists the Jump family as living on Stickles Pond Road on a "farm," although Vernon's occupation is listed as "accountant." Deed records indicate that the Jumps acquired the properties, totaling 143-acres in 1927 from an estate exceed by local judge Henry T. Kays. It is likely the estate was for one of John Ackerman's descendants. In 1934, Lila I. Jump received an additional parcel from Maria A. Thom. By the 1940s, Vernon's son Charles was still living in Newton, but his father was listed as residing in Staten Island.

ELIGIBILITY WORKSHEET

Historic Sites #:

Significance: The farm complex consists of one main house with 6 support structures of historical age. The seven historic-age buildings recorded on the subject property are generally in a state of disrepair and are currently unoccupied. Five of the seven buildings are a vernacular, utilitarian style with no significant associations and are therefore recommended as ineligible for listing on the NRHP (Buildings 1, 2, 3, 6, and 7). These do not fall into the 19th century period of significance for the Stickle-Ackerman Farmstead. The main house (Building #5) is a two-story residential structure with Colonial Revival style. The building, built circa 1860 (based on historical maps and the building's style), has a rectangular-shaped plan and an asphalt shingled side gable roof with boxed eaves with returns. Three additions to its right (east) elevation have the same roof type and materials, with peaks at varying heights. The building is wood frame construction clad in wooden shingles. The additions to the building are clad in wooden clapboard. The building has undergone mulitple rennovations and retains low historic integrity. The support buildings date from c. 1890 to c. 1920 and also show signs of rennovation. Several of the barn buildings are in an advanced state of disrepair.

Eligibility for New Jersey and National Registers: ☐ Yes ☒ No **National Register Criteria:** ☐ A ☐ B ☐ C ☐ D

Level of Significance ☐ Local ☐ State ☐ National

Justification of Eligibility/Ineligibility: The buildings associated with the farm complex at 248 Stickles Road do not meet criteria A or B, as no significant historical associations were determined. The extant structures date to the period of occupation by the Ackerman family rather than the locally known Stickle family. They are not eligible under criterion C, as the buildings are not an exemplary or unique sample of its style. The farm buildings represent largely vernacular, utilitarian styles. The buildings are not eligible under criterion D, as they do not possess the potential to provide further information of historical importance. The artifact assemblage collected from tests adjacent to the buildings represents typical late 19th century to early 20th century household debris.

For Historic Districts Only:

Property Count: Key Contributing: _____ Contributing: _____ Non Contributing: _____

For Individual Properties Only:

List the completed attachments related to the property's significance:
A base and building form has been attached for each of the 7 buildings of historic age, and one structure form for the partial stone wall.

Narrative Boundary Description: The Stickle-Ackerman Farmstead boundary consists of approximately 143 acres located on the north side of Stickles Pond Road, south of Stickles Pond, with the address 248 Stickles Pond Road.

Survey Name: PHASE IA & IB INVESTIGATION OF THE PROPOSED STICKLES POND ROAD Date: July 20, 2022
Surveyor: Helen Juergens and Althea Wunderler-Selby
Organization: PaleoWest

HISTORIC DISTRICT FORM

Historic Sites #:

District Name: STICKLE-ACKERMAN FARMSTEAD

County(s): Sussex **District Type:** Agricultural

Municipality(s): Andover Township **USGS Quad(s):** Newton West

Local Place Name(s):

Development Period 1814 To 1890 **Source:**

Physical Condition: Poor

Remaining Historic Fabric: Low

Registration and Status Dates:

National Historic Landmark:

SHPO Opinion:

National Register:

Local Designation:

New Jersey Register:

Other Designation:

Determination of Eligibility:

Other Designation Date:

HISTORIC DISTRICT FORM

Historic Sites #:

Description: The Stickle-Ackerman Farmstead consists of seven historic-age buildings, one modern shed building and one historic-age wall structure. The historic buildings are located along the southeastern corner of the survey subject parcel.

Zachariah Stickle Sr. originally purchased the property with his son, Zachariah Stickle Jr., in 1790. The sale was for 193 acres. The farmstead was divided following his death and remained in the Stickle family until at least the 1820s. By the 1860s John Ackerman had acquired the farmstead. The Ackerman family occupied the property into the twentieth century. It is likely that the older extant farm buildings date to this period. Upon William Ackerman's death, the property was deeded to Edith Buchanan in 1918, and then Vernon E. Jump in 1927. Deed records indicate that Vernon E. Jump and Lila L. Jump acquired the properties, totaling 143-acres in 1927. The Jump family is recorded as living on a "farm" in the 1930 US Federal Census, but Jump's occupation was "accountant," so the property may not have been an active farm at that time. Vernon and Lila deeded the property to their son, Charles and his wife in 1966 who then sold the property to the RRL Group to be developed into the Newton Airport.

Building #1 is a one-story barn with Masonry Vernacular style. Built circa 1920s (based on historical aerials and the building's materials), it has a rectangular-shaped plan and a rolled asphalt gable roof. The building is concrete block construction with wooden drop siding in its gable ends. Building #2, is a one-story garage with Frame Vernacular style. Built c. 1970 (based on historical aerials), it has a rectangular-shaped plan and an asphalt roll front gable roof. The building is wood frame construction clad in aluminum siding and plywood. Building #3 is a ruinous storage building with no discernable style. Built circa 1970 (based on historical aerials), itappears to have had a rectangular-shaped plan and an asphalt shingle gable roof when extant. The building was wood frame construction with no discernable cladding. Building #4, is a two-story residential (originally barn) building with Dutch Colonial Revival style. Built circa 1890 (based on historical aerial and style), has a rectangular-shaped plan and a low-pitched asphalt shingle gambrel roof. The building is wood frame construction clad in wooden shingles and wooden clapboard. Building #4 likely dates to the Ackerman family occupation of the farmstead. The barn was converted to a residence with altered windows, a shed roof sunroom addition, and an entry porch addition. The materials indicate a modern period for the rennovations. Building #5 is a two-story residential structure with Colonial Revival style. The building was constructed and added to different time periods. The original, two-story portion was likely built circa 1820s when Zachariah Stickle Jr. owned the property (based on deeds, historical maps, and the building's style), has a rectangular-shaped plan and an asphalt shingled side gable roof with boxed eaves with returns. Three additions, dating to later in the 19th Century during the Ackerman occupation of the property, to its right (east) elevation have the same roof type and materials, with peaks at varying heights. The building is balloon wood frame construction clad in wooden shingles. The additions to the building are clad in wooden clapboard. Building #6 is a one-story storage structure with Colonial Revival style. The building, built circa 1910 (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled gable roof with exposed rafter tails in the eaves and a shed pent extension over an enclosed addition on the south elevation. The building is balloon wood frame construction clad in wooden shingles. Building #7 is a two-story outbuilding (barn/storage) with Frame Vernacular style. The building, built circa 1960 (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled gambrel roof with boxed eaves. The building is wood frame construction clad in aluminum siding. Building #8 (Shed) is a non-historic one-story otubuilding (shed) with no style. The building, built circa 2000s (based off historical maps and the buildings style), has a rectangular-shaped plan and an asphalt shingled gambrel roof. This structure has a wood frame and is clad in vertical wood siding. Structure #1 (Stone Wall) is a portion of hand-stacked stone fencing. It is not possible to date the fence using historic aerials and topographic maps, as it does not appear on either, but it is most likely that this stone fence dates back to sometime around circa 1820 when the Stickles family were known to have utilized portions of the property for agricultural production. Several references to stone piles as survey markers are mentioed in deed records, although the exact locations of those marker are not known and descriptions are general.

The historic buildings do not share a cohesive sense of style or use-period. Generally, they were constructed for utilitarian purposes using vernacular materials and styles.

HISTORIC DISTRICT FORM

Historic Sites #:

Setting: The survey subject parcel is accessible via two gravel paths, partially overgrown with vegetation, leading north from Stickles Pond Road to the extant Newton Airport paved runway. The property is partly leveled and cleared of trees with knee-high grasses. The debris of equipment related to the airport is scattered about the property. The north-central portion of the subject parcel is forested and a rocky outcrop rises to the south of the forested area. The farmstead buildings are located in the southeastern corner of the subject parcel, just to the north of Stickles Pond Road. The buildings are separated from the road by a cluster of trees. The property is mowed and maintained between the buildings, with some areas of overgrown vegetation, especially around the abandoned storage buildings.

Survey Name:	PHASE IA & IB INVESTIGATION OF THE PROPOSED BHT DEVELOPMENT AT STICKLES POND ROAD, SUSSEX COUNTY, NEW JERSEY	Date:	July 20, 2022
Surveyor:	Helen Juergens, Shannon Bruffett, Althea Wunderler-Selby, Elissa Rutigliano, Alyssa Loorya		
Organization:	PaleoWest		

ELIGIBILITY WORKSHEET

Historic Sites #:

History: The Stickle-Ackerman Farmstead consists of seven historic-age buildings, one modern shed building and one historic-age wall structure. The historic buildings are located along the southeastern corner of the survey subject parcel. 248 Stickles Pond Road is a farm complex historically known as the Stickle-Ackerman Farmstead. The land surrounding and including the APE and parcel were originally owned by Zacharias Stickle Sr. and his son as early as the late-eighteenth century. Zachariah Stickle Sr. (1723 – 1797) and his son Zachariah Stickles Jr. (1759 – 1802), purchased 193 acres of land on May 25, 1790 in what would become Andover Township, thus establishing the Stickle homestead at that time (Jones 1998). There is no indication that this branch of the Stickles family had settled in Sussex County before this period. Zachariah only first appears on the tax rolls as early as 1793. His property was left to Zachariah Jr. and brother Andrew Stickle and Peter Snook. Zachariah Stickle Jr., died in 1802 and various members of the extended family owned rights to the farmstead. These included Mary Stickles, Zachariah's window

Zacharias's property was then split between his surviving children and relatives. In April, 1823, the land immediately south and west of Stickle's Pond was owned by Philip Stickles and totaled some 78 12/100th acres. This was bounded by Stickles Pond Road to the south, and property owned by Zachariah Stickle Jr. to the immediate east, totally only four acres. There is no indication in early deed or estate records that stipulate buildings or homes on the property at the time of the transfer. In 1823, Philip married Jane Nixon. Philip died in 1832 and there is evidence that his widow Jane inherited the property including the project APE. They had two children at this time.

John Ackerman (1811 – 1896), identified on the 1860 map of Sussex County as "J. Ackerman" was listed as a farmer in the New Jersey Birth and Death Index in 1896. According to the 1880 U.S. Federal Census, John Ackerman was living with his wife Jane Ackerman (1806 – 1881) in Andover Township.
In 1870, John Ackerman is listed as a farmer with $7,000 in real estate value and $400 in personal estate value. This indicates that Ackerman was not a tenant farmer, but owner the property on Stickles Pond Road. In 1860 those values were $5500 and $400, respectively. The value of the Ackerman real estate was $3,000 in 1850. Evidence suggests that Jane Ackerman was first married in 1823 to Philip Stickles. It is likely that she inherited Philip's land holdings, then married John Ackerman sometime before 1850, who then inherited the land. James P. Snell wrote in 1881 that Zachariah Stickle, presumably Jr., lived and died on the Ackerman place. He also lists John and Jane Ackerman as some of the oldest residents of Andover at 66 and 75 years old, respectively (Snell 1881). It is likely that during John Ackerman's occupation of the property, the farmstead buildings were initially constructed. Additional buildings were likely added as Ackerman's real estate valuation reflects.

A 1950 U.S. Census Enumeration District Map ED 19-1 to 48 identifies only two structures within the current farmstead. One listed as a "Dwelling (Other than a farm)" likely Building 5. Another structure is listed as "Farm Unit Not In Use" and is likely Building 1. Immediately north of the farmstead are several structures identified as "Seasonal or Summer Colony Dwellings Closely Spaced."

The next known owners of the property are Vernon E. Jump (1894 - 1971) and Lila L. Jump. Vernon married Lila in Staten Island on September 9, 1913. The 1930 U.S. Federal Census lists the Jump family as living on Stickles Pond Road on a "farm," although Vernon's occupation is listed as "accountant." Deed records indicate that the Jumps acquired the properties, totaling 143-acres in 1927 from an estate exceed by local judge Henry T. Kays. It is likely the estate was for one of John Ackerman's descendants. In 1934, Lila I. Jump received an additional parcel from Maria A. Thom. By the 1940s, Vernon's son Charles was still living in Newton, but his father was listed as residing in Staten Island.

ELIGIBILITY WORKSHEET

Historic Sites #:

Significance: The farm complex consists of one main house with 6 support structures of historical age. The seven historic-age buildings recorded on the subject property are generally in a state of disrepair and are currently unoccupied. Five of the seven buildings are a vernacular, utilitarian style with no significant associations and are therefore recommended as ineligible for listing on the NRHP (Buildings 1, 2, 3, 6, and 7). These do not fall into the 19th century period of significance for the Stickle-Ackerman Farmstead. The main house (Building #5) is a two-story residential structure with Colonial Revival style. The building, built circa 1860 (based on historical maps and the building's style), has a rectangular-shaped plan and an asphalt shingled side gable roof with boxed eaves with returns. Three additions to its right (east) elevation have the same roof type and materials, with peaks at varying heights. The building is wood frame construction clad in wooden shingles. The additions to the building are clad in wooden clapboard. The building has undergone mulitple rennovations and retains low historic integrity. The support buildings date from c. 1890 to c. 1920 and also show signs of rennovation. Several of the barn buildings are in an advanced state of disrepair.

Eligibility for New Jersey and National Registers: ☐ Yes ☒ No **National Register Criteria:** ☐ A ☐ B ☐ C ☐ D

Level of Significance ☐ Local ☐ State ☐ National

Justification of Eligibility/Ineligibility: The buildings associated with the farm complex at 248 Stickles Road do not meet criteria A or B, as no significant historical associations were determined. The extant structures date to the period of occupation by the Ackerman family rather than the locally known Stickle family. They are not eligible under criterion C, as the buildings are not an exemplary or unique sample of its style. The farm buildings represent largely vernacular, utilitarian styles. The buildings are not eligible under criterion D, as they do not possess the potential to provide further information of historical importance. The artifact assemblage collected from tests adjacent to the buildings represents typical late 19th century to early 20th century household debris.

For Historic Districts Only:

Property Count: Key Contributing: _____ Contributing: _____ Non Contributing: _____

For Individual Properties Only:

List the completed attachments related to the property's significance:
A base and building form has been attached for each of the 7 buildings of historic age, and one structure form for the partial stone wall.

Narrative Boundary Description: The Stickle-Ackerman Farmstead boundary consists of approximately 143 acres located on the north side of Stickles Pond Road, south of Stickles Pond, with the address 248 Stickles Pond Road.

Survey Name: PHASE IA & IB INVESTIGATION OF THE PROPOSED STICKLES POND ROAD Date: July 20, 2022
Surveyor: Helen Juergens and Althea Wunderler-Selby
Organization: PaleoWest