Phase I (IA & IB) Cultural Resource Investigation for the Proposed Canandaigua Shores Townhome Development Project Towns of Canandaigua and Hopewell, Ontario County, New York

NYSOPRHP Review # 21PR02254

Prepared For

Canandaigua Shores LLC
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July 13, 2021

By

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REPORT ACKNOWLEDGMENTS

Powers Archaeology LLC would like to thank Mr. Brennan Marks, PE of Marks Engineering, P.C., and Mr. Angelo Licciardello of Canandaigua Shores LLC, for their efficient contract administration and helpful communications concerning the details of the project.

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I. PHASE I MANAGEMENT SUMMARY

Project Name: Phase IA and IB (Phase I) Cultural Resource Investigations for the Proposed Canandaigua Shores Townhome Development Project, Towns of Canandaigua and Hopewell, Ontario County, New York.

Project Description: The proposed project the involves the construction of residential structures, associated roadway, parking, and utilities, within the Towns of Canandaigua and Hopewell, Ontario County, New York. Approximately 44 acres / 17.8 hectares will be impacted by the proposed development and are considered the Area of Potential Effect (APE).

Project Location: The proposed project is located at 3535 State Route 364 and an adjacent property, within the Towns of Canandaigua and Hopewell, Ontario County, New York (042° 51' 21.85" N, 077° 14' 49.85" W). The APE is accessible from State Route 364 County Road 18.

County: Ontario County

Minor Civil Division Number: 06903 (Town of Canandaigua), 06908 (Town of Hopewell)

USGS 7.5 Minute Quadrangle Map: 1978 USGS 7.5' Rushville, N.Y. Quadrangle

SEQR Review: Phase I Cultural Resource Investigations have been requested as part of a State Environmental Quality Review (SEQR).

Involved State and Federal Agencies: NYSDEC

Survey Area
Acreage: 44 acres / 17.8 hectares
Depth: Undetermined

Archaeological Survey Overview
Number & Interval of Shovel Tests: 688 total; 655 at 50 ft / 15 m, 23 at 25 ft / 7.5 m
Number & Size of Units: NA
Width of Plowed Strips: NA
Surface Survey Transect Interval: NA

Results of Archaeological Survey
Closest Prehistoric Archaeological Site to the APE: 6907.000024, Otetianna Point, 1029-ft / 353-m from APE
Native American Burials Less Than ¼-Mile from APE: 0
Number & Name of Prehistoric Sites Identified: 0
Number & Name of Historic Sites Identified: 0
Number & Name of Sites Recommended for Phase II / Avoidance: 0

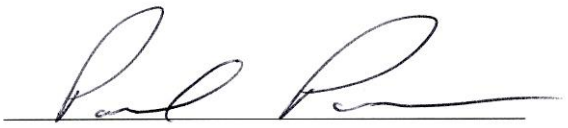
Results of Architectural Survey
Number of Buildings / Structures / Cemeteries Within Project Area (APE): 0
Number of Buildings / Structures / Cemeteries Adjacent to Project Area (APE): 0

SRHP / NRHP Historical Review
Number of Previously Determined SR / NR listed or Eligible Buildings / Structures / Cemeteries / Districts: 0
Number of Identified Eligible Buildings / Structures / Cemeteries / Districts: 0

Recommendations of Phase I Cultural Resource Investigations: These Phase I Cultural Resource Investigations were performed only for the 44 acres / 17.8 hectares that were considered the Area of Potential Effect for the Proposed Canandaigua Shores Townhome Development Project. All work was conducted in the Towns of Canandaigua and Hopewell, Ontario County, New York. While the physiographic context of the project area suggests the possibility of encountering archaeological material, shovel testing produced no evidence of prehistoric occupation or historical significance. Neither Native American sites nor Euro-American sites were identified within the APE. Consequently, Powers Archaeology LLC believe that current plans should be allowed to proceed, and that no further archaeological work is warranted.

Date of Report: July 13, 2021

Report Prepared By:

Mr. Paul Powers 

II. PHASE I PROJECT INFORMATION

The proposed project the involves the construction of residential structures, associated roadway, parking, and utilities, at 3535 State Route 364 and an adjacent property, within the Towns of Canandaigua and Hopewell, Ontario County, New York. Approximately 44 acres / 17.8 hectares will be impacted by the proposed development and are considered the Area of Potential Effect (APE).

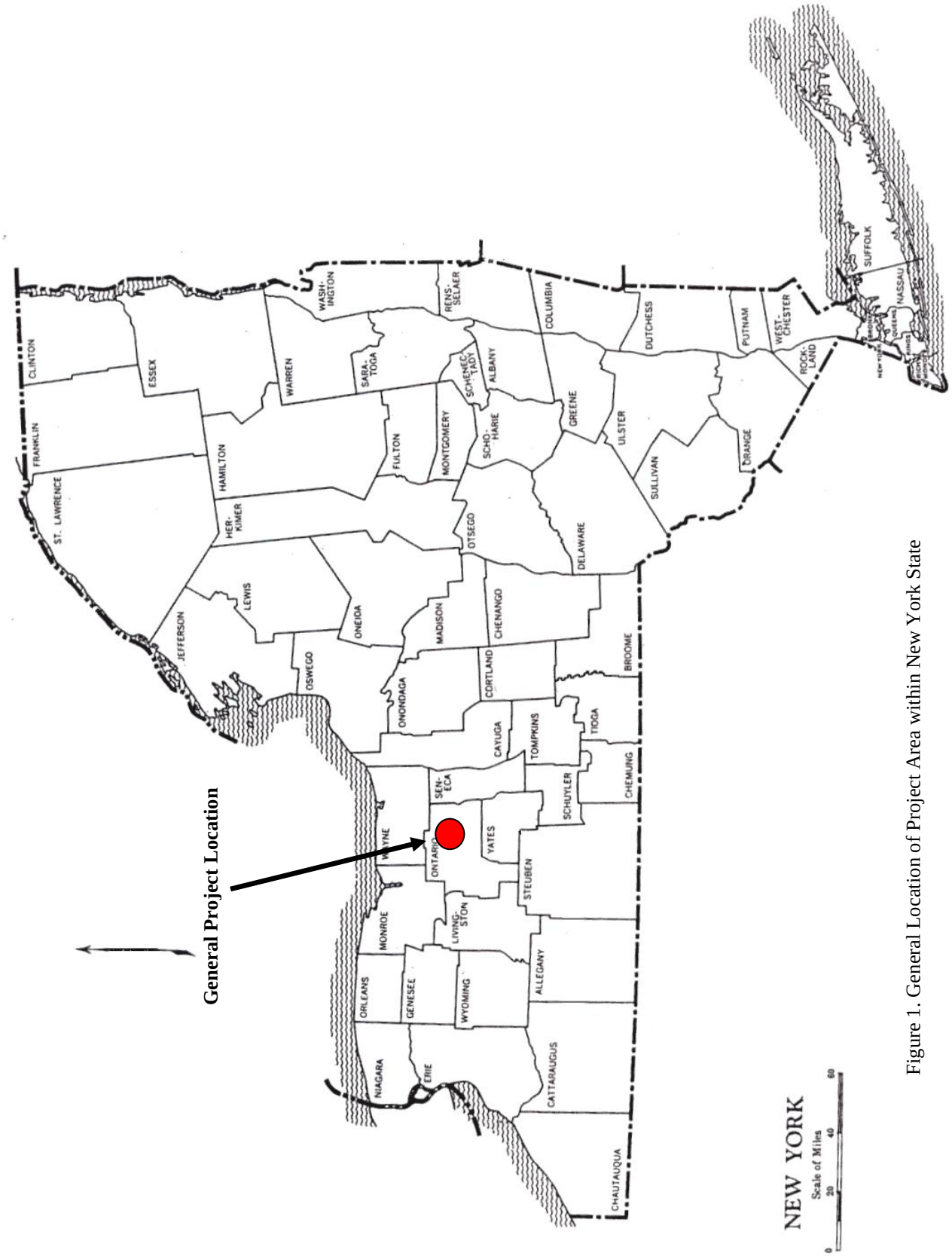


Figure 1. General Location of Project Area within New York State

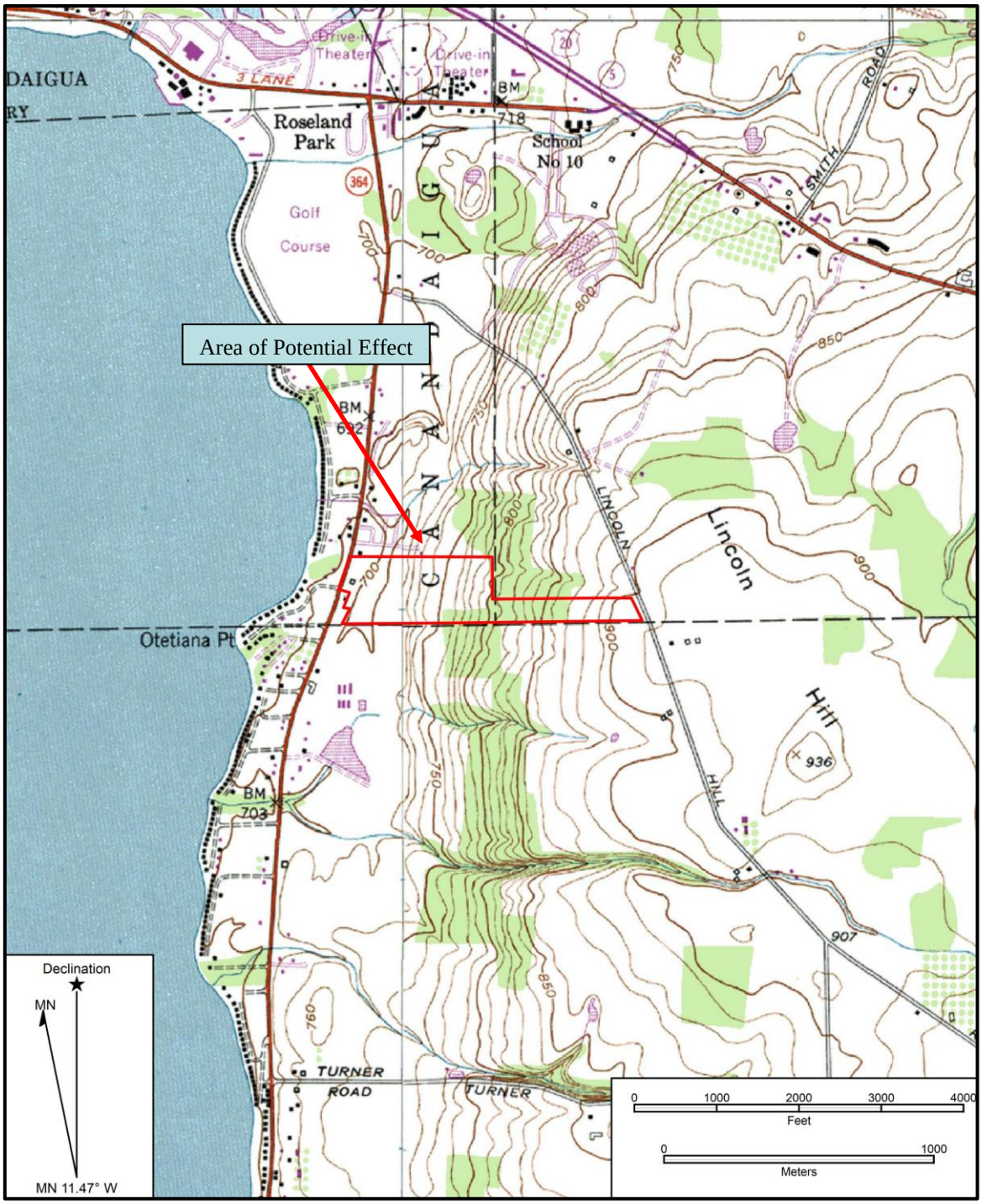


Figure 2. Area of Potential Effect on the 1978 USGS 7.5' Rushville, N.Y. Quadrangle

III. ENVIRONMENTAL INFORMATION

Topography and Geology

The project area is located in the north central portion of Ontario County. The northern sections of Ontario County are in the Central Lowlands physiographic province, north of the Portage Escarpment. General elevations are 600 ft AMSL at Geneva with a maximum elevation of approximately 2,256 ft AMSL at Gannett Hill near Bristol. Between the drumlin region and the southern plateau is an undulating to rolling upland that gradually increases in elevation towards the south (USDA 1958:1). Relief within the APE is ranges from approximately 909 ft AMSL to 701 ft AMSL.

The topography of this area had been cut by streams since the time the region was invaded by glacial ice from the north. During the Wisconsin glaciation of the Pleistocene epoch, ice blanketed the entire area of New York State. Glaciation had a noticeable effect on the surficial appearance of Ontario County. Glacial deposits added the drumlins and kame moraines that are found throughout Ontario County. The rock formations beneath Ontario County are the source of the parent material for the soils. Limestone and shales are the primary parent materials that formed the soils within Ontario County.

Soils

Soils in Ontario County have developed since the last glacier retreated approximately 10,000 years ago. The recession of the sheets of ice carried eroded materials as they melted and traveled across New York State. The most prevalent type of glacial deposit in Ontario County is glacial till. The coarser materials deposited by the glacial waters formed the kames, eskers, terraces and outwash plains of Ontario County. The soils in Ontario County were formed through the interaction of climate, living organisms, parent materials, topography, and time. Differences among soils in Ontario County are the result of variation in parent materials and topography. The parent materials that created the soils in Ontario County are sandstone, limestone, and shale. Glacial till, glacial outwash, recent alluvium, and organic materials also contributed to the soils found in Ontario County today.

Alluvial lands / soils are sections of nearly level, recent unconsolidated deposits on flood plains. The deposits are generally stratified and range in matrix texture from gravel to sand and clay. Drainage commonly encountered in alluvial soils is generally poor to very poor in nature. Colluvium consisting of soil and / or rock travels down slope by gravity. This “slope wash” may in some cases bury an A Horizon, a culturally rich soil layer.

There are six (6) soil types within the APE, from the Darien, Ontario, Lima, and Kendaia soils series (Figure 3 and Table 1). These soils are found on drumlins, till plains, moraines, and hills, and range from somewhat poor to well drained. The proposed APE for these cultural investigations *does not* contain alluvial soils.

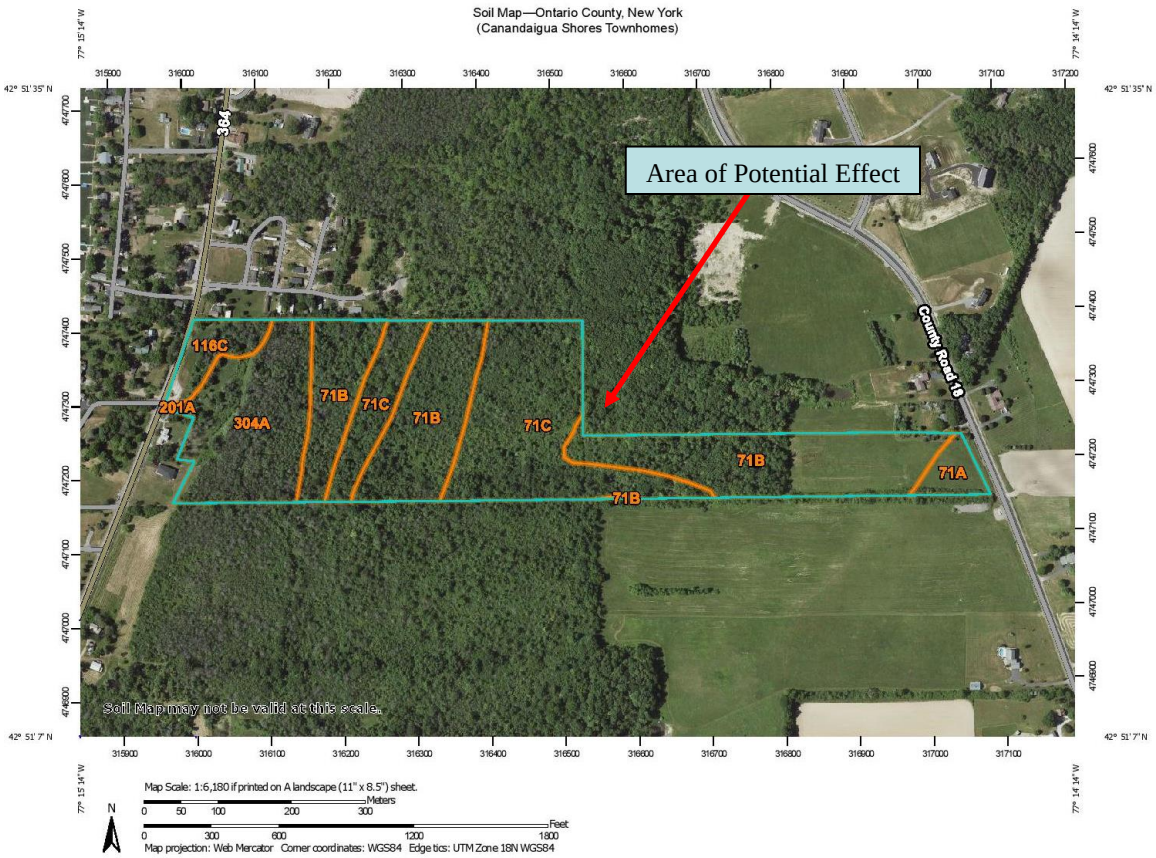


Figure 3. Area of Potential Effect on the 2021 NRCS Web Soil Survey

Table 1. Summary of Soils Within the Area of Potential Effect

Soil Name	Soil Horizon Depth cm (in)	Soil Color	Soil Texture Inclusions	Slope Percent	Drainage	Landform
Darien silt loam (71A)	Ap 0-23 cm (0-9 in) Eg 23-36 cm (9-11 in) Bt1 36-48 cm (11-19 in) Btg2 48-81 cm (19-32 in) BC 81-122 cm (32-44 in) C 122-183 cm (44-72 in)	V Dk GBrn GBrn OBrn Dk GBrn OGry OBrn	Si Lo Si Lo Cl Lo Si Cl Lo Si Cl Lo Si Cl Lo	0-3	Somewhat poor	Drumlins, till plains, moraines
Darien silt loam (71B)	Ap 0-23 cm (0-9 in) Eg 23-36 cm (9-11 in) Bt1 36-48 cm (11-19 in) Btg2 48-81 cm (19-32 in) BC 81-122 cm (32-44 in) C 122-183 cm (44-72 in)	V Dk GBrn GBrn OBrn Dk GBrn OGry OBrn	Si Lo Si Lo Cl Lo Si Cl Lo Si Cl Lo Si Cl Lo	3-8	Somewhat poor	Drumlins, till plains, moraines
Darien silt loam (71C)	Ap 0-23 cm (0-9 in) Eg 23-36 cm (9-11 in) Bt1 36-48 cm (11-19 in) Btg2 48-81 cm (19-32 in) BC 81-122 cm (32-44 in) C 122-183 cm (44-72 in)	V Dk GBrn GBrn OBrn Dk GBrn OGry OBrn	Si Lo Si Lo Cl Lo Si Cl Lo Si Cl Lo Si Cl Lo	8-15	Somewhat poor	Drumlins, till plains, moraines
Ontario loam (116C)	Ap 0-20 cm (0-8 in) E 20-36 cm (8-14 in) B / E 36-53 cm (14-21 in) Bt 53-99 cm (21-39 in) C1 99-122 cm (39-48 in) C2 122-183 cm (48-72 in)	Dk Brn Brn Brn RBrn Brn Brn	Lo Lo Lo Grl Lo Grl Lo Grl Lo	8-15	Well	Drumlins, till plains
Lima loam (201A)	Ap 0-23 cm (0-9 in) Bt / E 23-30 cm (9-12 in) Bt1 30-41 cm (12-16 in) Bt2 41-64 cm (16-25 in) C 64-183 cm (25-72 in)	Dk GBrn Brn Brn Brn GBrn	Si Lo Si Lo Si Lo Grl Lo Grl Lo	0-3	Moderately well	Drumlins, till plains
Kendaia loam (304A)	Ap 0-20 cm (0-8 in) Bw 20-38 cm (8-15 in) Bg 38-51 cm (15-20 in) BCg 51-61 cm (20-24 in) C 61-183 cm (24-72 in)	V Dk GBrn Brn GBrn Dk GBrn Dk GBrn	Si Lo Si Lo Grl Si Lo Grl Lo Grl Lo	0-3	Somewhat poor	Till plains, hills, drumlins

KEY:
Shade: Dk-Dark, Lt-Light, V-Very
Color: BGry-Brownish Gray, Blk-Black, Brn-Brown, GBrn-Grayish Brown, Gn-Green, Gry-Gray, OBrn-Olive Brown, PBrn-Pale Brown, PGry-Pinkish Gray, RBrn-Reddish Brown, RGry-Reddish Gray, StrBrn-Strong Brown, W-White, YBrn-Yellow Brown
Soils: Cl-Clay, Lo-Loam, Mu-Muck, Sa-Sand, Si-Silt
Other: BF-Broken Face, Ch-Channery, Co-Coarse, Cbs-Cobbles, Ex-Extremely, F-Fine, Grl-Gravel, Ha-Hard, M-Mottled, Pbs-Pebbles, Rts-Roots, Ru-Rubbed, Str-Stratified, Va-Varved

Disturbance
Disturbance is limited to the western portion of the APE, adjacent to East Lake Road, where an MDS has been documented (see pages 18-24). A gravel turnaround is located in this area, along with several asphalt piles (Appendix II: Photographs 27-34) that are visually apparent.

Climate
Ontario County generally experiences warm summers and long, cold winters. The climate of Ontario County is humid continental. Yearly precipitation is about 33 inches at Geneva and less than 30 inches at Penn Yan. The rainfall is evenly distributed throughout the growing season. Ontario County is one of the driest regions of New York State. Lake Erie and Lake Ontario have an important effect on the temperature and wind currents of Ontario County. Lake Ontario provides a classic moderating effect on the local temperatures, helping to cool in the summer and warm in the fall.

Forest Zone
When peoples first arrived in the central part of New York State, most of Ontario County was covered with a forest, with a few large open areas such as marshlands. Tree growth in Ontario County depended on the soil type and drainage. In the wetter parts of Ontario County, the land supported trees such as birch, beech, ash, elm, maple, willow, and hemlock. Today few if any virgin timber areas remain in the county. Some of the more common species of weeds that reside in untended fields are goldenrod, ragweed, and Queen Anne's lace (USDA 1958). Presently, vegetation within the APE consists of mowed farm field, and moderate to dense tertiary growth (Appendix II).

Drainage
Unnamed streams and tributaries that flow west into Canandaigua Lake, as well as Canandaigua Lake itself, provide drainage for the APE. These waters form portions of the Canandaigua Lake watershed, which empties into Lake Ontario to the north. Waters from Lake Ontario find their way to the Atlantic Ocean via the St. Lawrence River.

Faunal Community
The general environmental setting of the project area supports the typical array of animal species seen throughout suburban areas of western New York. These include white-tailed deer, opossum, squirrel, and raccoon. Early inhabitants of the western section of New York State would have been able to hunt black bear, white-tailed deer, elk, wild turkey, pheasants, pigeons, waterfowl, beaver, raccoons, possum, otter, rabbit, squirrel, and gray fox, as sources of food, fur, and raw materials used in tool manufacturing, common amenities, and for trade. Salmon, trout, perch and pike were also additional food sources.

Man-Made Features / Alterations
A gravel turnaround, as well as several piles of asphalt are visually apparent in the western section of the APE adjacent to East Lake Road (Appendix II: Photographs 27-34).

IV. BACKGROUND RESEARCH

Site File Research

A check of the NYS site files encompassing a 1-mi / 1.6-km radius of the APE was completed utilizing the New York State Office of Parks, Recreation and Historic Preservation Cultural Resource Information System (NYSOPRHP CRIS). The site file check revealed the presence of seven (7) previously recorded sites. No previously recorded sites fall within or adjacent to the APE. The site file information is summarized in Table 2.

Table 2. Sites Located Within a One-Mile Radius of the APE

USN / NYSM #	Site Name	Site Type	Phase / Tradition	NR Eligibility	Distance to APE ft / m
6907.000024	OTETIANNA POINT SITE (FOLLETT F391)	Camp	Undetermined Prehistoric	Undetermined	1059 / 323
6907.000025	EAST LAKE ROAD SITE (FOLLETT F392)	Camp	Undetermined Prehistoric	Undetermined	1143 / 348
6907.000011	AREA SITE 1	Scatter / Stray Find	Undetermined Prehistoric	Undetermined	2598 / 792
NYSM LP 4308	ACP ONTO 23A	Earthwork / Cemetery	No Information	Undetermined	3779 / 1152
6907.000012	AREA SITE 2	Stray Find	Undetermined Prehistoric	Undetermined	4034 / 1230
NYSM 4311	ACP ONTO 26	Camp	No Information	Undetermined	4931 / 1503
NYSM 4314	ACP ONTO 29	Ossuary	No Information	Undetermined	5234 / 1595

SRHP / NRHP Research

According to the website for the National Register of Historic Places and the NYSOPRHP CRIS, two structures are in the vicinity (.5-mi / .8-km radius) of the proposed project area. Five (5) structures have been previously evaluated, four (4) determined to be Not Eligible, and one (1) that is Undetermined for the State and National Register of Historic Places. No structures fall within or immediately adjacent the APE for the proposed project. This information is summarized in Table 3.

Table 3. State / National Register Sites in the Vicinity of the Area of Potential Effect

USN	Name	Status
6903.000196	Residence - 3464 Sandy Beach Rd 14424	Not Eligible
6903.000190	Single-Family Residence - 3516 Sandy Beach Dr 14424	Undetermined
6903.000079	3524 East Lake Rd	Not Eligible
6907.000077	3606 OTETIANA POINT 14424	Not Eligible
6907.000098	Villa Bianca - 4272 Co Rd 18 14424	Not Eligible

Previous Surveys

Powers Archaeology LLC also completed a search for previous archaeological and building surveys conducted within a one-mile radius of the proposed project area. Information gathered from the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) office revealed that four (4) archaeological surveys and one (1) building survey were previously completed within a one-mile radius of the Area of Potential Effect. The building survey, 19SR00362, includes the APE. No previous archaeological surveys fall within or directly adjacent to the APE. These are summarized in Table 4.

Table 4. Surveys Previously Conducted Within a One-Mile Radius of the Area of Potential Effect

Number	Name
05SR55372	Phase 1 Archaeological Report for the Auditorium Building and Finger Lakes Performing Arts Center, Towns of Canandaigua and Hopewell, Ontario County, New York
08SR57817	Phase I Archeological Report for the FLCC Campus Stormwater Management Facility, Town of Canandaigua, Ontario County, New York
16SR00597	PHASE 1A CULTURAL RESOURCES INVESTIGATION FOR THE FINGER LAKES COMMUNITY COLLEGE PARKING LOT REPLACEMENT, TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK
17SR00747	Phase IA and IB (Phase I) Cultural Resource Investigations for the Proposed Steven M. and Terri A. Stopp Development Project, Town of Hopewell, Ontario County, New York
19SR00362	Reconnaissance-Level Survey of the Town of Canandaigua Part I: Historic Context Statement

Prehistoric Context

Prehistoric occupation of western and central New York is likely to have occurred continuously for at least 12,000 years. Numerous changes in settlement patterns, subsistence strategies, population density, technology, and other aspects of human behavior have transpired through this time. The following section provides a general overview of these changes as documented in the archaeological record for the proposed project region. The Late Archaic, Late Woodland, and the Early Historic periods are more clearly understood in the New York State region than the Paleo-Indian Period.

Paleo-Indian Period (c. 10,000-8000 B.C.)

Mastodons and megafauna (e.g. bison, elk, and deer) entered western New York upon the draining of glacial waters from the lowlands, and thereafter followed early man. The Paleo-Indians were nomadic hunters that traveled in small groups from campsite to campsite. Most Paleo-Indian sites found in New York State are small kill sites. Fluted flint spear projectile points and stone tools are indicative of this culture. Clovis points have been found in direct association with the bones of the mammoth, elephant, mastodon, and bison (Ritchie 1965:1). Traces of Paleo-Indian occupation sites are found in low marshy areas, on cliffs, and locations of higher elevations overlooking what once used to be lakebeds.

Climate change between 6000 B.C. and 4000 B.C. caused the vegetation to grow into forests that were unable to support the megafauna in the area. It is widely acknowledged that as the faunal and floral environment changed, the need for a greater food source for the large game animals caused their migration to new territories in the north, accompanied by the Paleo Indians. Subsequently, the people remaining in and or entering Western New York began to modify their lithic technology to accommodate their evolving environment. Radiocarbon dating has broadened the temporal limits of the Archaic Period to overlap with the Paleo-Indian stage in various parts of the United States (Ritchie 1965:31).

Archaic Period (c. 8000-1000 B.C.)

The Archaic period is traditionally divided into three stages. The Early Archaic and Middle Archaic Periods range between 8000-4000 B.C., and the Late Archaic period from 4000-1000 B.C. As the environment changed, less specialized smaller groups of people entered the area. Archaic sites from 3000 B.C. are commonly found along Western New York rivers, lakes and streams. It is theorized that these peoples focused heavily on the marshlands, rivers, and streams to acquire food resources, since the forests were immature and resources poor. Despite this emphasis on aquatic ecozones, small mammals were also a considerable part of the Archaic diet.

Many Archaic sites identified in the western part of New York are small seasonal camps containing lithic and bone tools. The Archaic sites located in the central and northeastern section of New York State denote a culture based on subsistence hunting, fishing, and gathering. The Lamoka Lake site (Early Archaic) located in Schuyler County produced lithic, bone, and antler artifacts as well as animal and vegetable refuse, and human burials (Ritchie 1965:36). Atlatl weights, T-shaped drills, milling stones, choppers, pestles, and steatites bowls are indicative of the Middle Archaic Period (Laurentian & Susquehanna) (Ritchie 1965:146). The Lamoka, Bare Island, and Brewerton projectile points reveal some temporal overlap throughout the Archaic Period. However, they are most commonly associated with the Middle Archaic Period. Late Archaic aboriginal groups are noted for their manufacturing assortment and abundance of utilitarian, recreational, decorative, and ceremonial artifacts. The Kent-Hally Site located in the lower Susquehanna Valley provides the temporal placement of Bare Island projectile points within the Late Archaic (Ritchie 1965:146). As adaptation to the environment increased in the Late Archaic, tool modification and use adapted as well. As the alterations in bone and lithic tool manufacturing continued, the archaeological record reveals the production of smaller, side-notched projectile points (e.g. Snook Hill Site) (Ritchie 1965:136-137).

Transitional Period (c. 1500-1000 B.C.)

The Transitional period bridges the change from the semi-nomadic, seasonal-based lifestyle of the Archaic to a more sedentary lifestyle marked by more permanent villages. It is during the Transitional Period that the emergence of earthenware ceramics, new varieties of projectile points, and carved soapstone pots appear in New York (Ritchie 1965:150). The Transitional Period campsites found in New York are all situated along streams and lakes, exactly as those of the Archaic and Woodland campsites (Ritchie 1965:154). The Susquehanna and Orient Fishtail projectile points are indicative of the Transitional cultural period. These projectile types and locations provide a good picture of the connection between the Late Archaic culture and the Early Woodland culture.

Woodland Period (c. 1000 B.C.-1650 A.D.)
The Woodland Period is separated into three phases: Early Woodland (1000 B.C. to 200 B.C.); Middle Woodland (200 B.C. to 1000 A.D.); and Late Woodland (1000 A.D. to 1600 A.D.). The Early Woodland Period introduces a new style of prehistoric ceramic known as Vinette I. The O'Neil Site excavated in 1961-62 located in Western New York is one the most significant Woodland sites in New York (Ritchie 1965:156). The O'Neil Site provided an in situ, uncontaminated recorded assemblage of soil stratigraphy as well as associated artifacts. The oldest soil strata was radiocarbon dated to around 2000 B.C., while the most recent layer was dated by artifacts associated with the Point Peninsula phase of the Middle Woodland culture. Vinette 1 sherds were recovered, as well as Susquehanna Broad projectile points. Smoking pipes, gorgets, birdstones, boatstones, bar amulets, copper ornaments, and copper tools also all appear within the Early Woodland cultural period (Ritchie 1965:179).

The design of pottery (i.e. scallop-shell, rocker-stamped) and clay pipes (i.e. elbow pipes) start to develop into more intricate types during the Middle Woodland Period (c. 200 A.D.). The Middle Woodland cultural period also introduces earth mounds and more elaborate burial practices. The Adena and Hopewellian cultural phases are represented during the Middle Woodland Period by the burial mounds, pits, and cremated burials found in western and Western New York. Corner-notched or straight-stemmed projectile points are indicative of the cultures from the Middle Woodland Period, as well as pitted hammerstones, anvil stones, net sinkers, steatite potsherds, and gorgets (Ritchie 1965:227).

The Late Woodland period (c. 1000 A.D.) is noted for permanent villages and a dependence on agriculture. Corn, beans, and squash become the staple crops during this time. Hunting, fishing, and gathering were still practiced even with the extensive adoption of agriculture. As the cultivation of tobacco increased in the area, clay pipes increased in number and styles. The Owasco and Iroquois cultures fall within the Late Woodland cultural period. The Owasco culture of New York is characterized by changes in ceramic styles and decoration (i.e. rocker-stamped to corded styles and pot lip styles). The Maxon-Derby Site located in Onondaga County was an open Owasco village / town found on the Maxon farm in 1959. The Maxon-Derby Site supplied evidence of a small, pre-Iroquoian village without fortification surviving over a number of years of occupation.

Gradual but continual changes in settlement patterns and travel methods brought about Iroquoian culture in New York. The transition from the Owasco culture to the Iroquois culture occurred sometime in the 13th century (Niemczycki 1984:9). Larger year-round settlements were now being established. The early Iroquois culture is marked by the emergence of high-collared ceramic vessels and multi-family longhouses. The increased isolation and competition of the surrounding tribes forced the development of the distinctive ceramic types and styles of the Iroquois prior to the formation of their confederacy (Niemczycki 1984:33). Late Woodland Period sites are noted for the appearance of palisades for defense against hostile neighbors, as well as for workshops, seasonal camps, deep storage pits, and ossuaries. Lithic tools such as bifaces and flake knives are also representative of the Late Woodland cultural period. The Sackett Site and the Bates Site excavated in the late 1950s and early 1960s are two examples of the settlement pattern change that occurred during the Late Woodland Period. These sites provided evidence of villages containing numerous dwelling structures (i.e. longhouses and wigwam-like structures) surrounded by palisades (Ritchie & Funk 1973:213-226). Both sites provide a good timeline for the transition between Late Iroquois culture and the Contact Period.

Contact Period (c. 1500-1780 A.D.)
The Contact Period is defined by the appearance of European trade goods on Native American sites. An increased use of trade metal (i.e. copper, iron, brass) and an intensification of the fur trade brought further changes to Native American cultures, particularly the Iroquois. Samuel Champlain's attack on the Iroquois in 1615 marks the first recorded conflict between Euro-Americans and the Native Americans in this region. More hostilities occurred when Jacques Rene de Brisay, Marquis de Denonville, governor of Canada, landed on Irondequoit Bay in 1687 and marched southward, destroying Iroquois villages and supplies. The Sullivan campaign ordered by General Washington to destroy the homelands of the Iroquois occurred in 1779. The French and Indian War (1744-1763 A.D.) and the American Revolution (1776-1783 A.D.) were the main causes for the loss of Iroquois political power in New York.

Prehistoric Sensitivity Assessment

The proposed APE is considered by Powers Archaeology LLC to have the potential to contain intact cultural deposits. Proximity to permanent water sources (i.e., Canandaigua Lake), in conjunction with the previously documented sites, indicates the potential for a prehistoric and historic Native American presence surrounding the APE. The known sites surrounding the APE are located near Canandaigua Lake, an important resource base for native people for thousands of years. Cultural affiliation was not listed for the previously recorded sites in the area (Table 2); however, Archaic and Woodland sites are commonly found within Ontario County. Archaic sites in the western part of New York State consist of campsites and small hamlets near creeks and rivers, while Woodland sites are characterized by larger habitation sites situated on high hilltops and other defensible positions (Ritchie 1965). Powers Archaeology LLC believe that, given the topography of the APE and its surrounding area and the character of the sites in the area, cultural materials associated with prehistoric Native Americans encountered within the APE will likely consist of similarly small lithic scatters reflecting small-scale tool making or seasonal campsites to larger habitation sites.

Historic Context

From the time of the first European explorations into Central New York, the area was under the control of the Iroquois Confederacy. After much contention among the French, Dutch, and English in the early 1600s, the English prevailed and became allies of the Iroquois c. 1664. Approximately 23 years later, General Denonville of Canada set forth on an expedition against the Iroquois to formally gain control of the Seneca and their land in the name of France. Defeated by the Iroquois in the same year, France yielded the whole country west of Montréal to the possession of the Iroquois. With the aid of the Iroquois, England was able to eliminate the French from the continent in 1763, although their culture and language prevails in Québec.

Following the expulsion of the French, the first treaty between the Iroquois Confederacy and the English was signed in 1768 at Fort Stanwix. The treaty set a boundary on western settlements throughout New York. The American Revolution (1776-1783 A.D.) placed the Native Americans in a difficult position. Initially, they had no interest or motivation to join either side; however, the Iroquois entered the Revolutionary War in 1777 after two years of neutrality (the Oneidas under protest) on the side of the British. Only the Cornplanter-led Seneca group supported the rebelling colonists. Consequently, the Seneca launched numerous raids against the American colonists. In 1779, General Washington ordered General John Sullivan to destroy the homelands of the Iroquois. After extensive destruction of the Iroquois crops, food storage, villages, and people, the Seneca withdrew towards British-controlled Fort Niagara. Only the area surrounding Keuka Lake was not invaded by the Continental Army during this campaign.

When the American Revolution ended, so did the political domination of the Iroquois confederacy. The United States had extended its dominion over their territories. In 1785, commissioners from Massachusetts and New York met in Hartford, Connecticut, to settle land disputes within present-day New York, Pennsylvania, Connecticut, Massachusetts, and Ohio. Massachusetts received the right of possession east of the Preemption Line, while New York received sovereignty and jurisdiction over all lands west of the line. Since Massachusetts could have purchased the 6,000,000 acres from the Iroquois, the state also acknowledged the sovereignty that New York had over the parcel of land. The land investors Oliver Phelps and Nathaniel Gorham purchased all of Massachusetts' land along the Genesee River (2,600,000 acres) in 1788, obtaining all state rights, title and interest for approximately three cents an acre. In the same year, the Treaty of Buffalo Creek ceded to New York the land from Seneca Lake to the Genesee Valley.

In 1782, the Military Tract was said to be 1,680,000 acres, and encompassed the counties of Onondaga, Cortland, Cayuga, Tompkins, and Seneca, with parts of Oswego and Wayne. At this time, the tract was surveyed by an act of the state legislature and divided into 26 townships. Each of these one square mile townships was to contain 100 lots of 600 acres each. Strict enforcement of the division was not established, and disputes arose. Multiple deeds were presented for the same piece of land, many of which were later revealed to be fraudulent. Land disputes were finally put to rest in 1797 when squabbling, land squatting, and general unrest were at an all-time high. An act was passed that commissioned a board to attempt to bring peace and security to the region (McIntosh 1877).

With its inception in 1789, Ontario County was carved out from Montgomery County, and included land west of the Preemption Line. Later sold to Phelps and Gorham, this land would eventually find its way into the possession of the Holland Land Company and the Pulteney Estate. Ontario County then extended from the Preemption Line one mile eastward of Geneva to include all the territory within the bounds of this state west of that line. This region was commonly known as the "Genesee Country," and from it have been formed the counties of Steuben, Allegany, Cattaraugus, Chautauqua, Erie, Niagara, Genesee, Wyoming, Orleans, Monroe, Livingston, Yates, and Wayne (Ontario County Online Resources 2019).

Euro-American settlement in Ontario County followed the course of the local rivers and streams, which provided the easiest method of transportation. Among a party of six pioneers was Hugh White, who arrived in Naples in May of 1789. A compromise was made with Phelps and Gorham for Lot No. 10 of the Fourth Range. White established the first permanent settlement, the Village of Whitestown, in 1789. Following Hugh White were other adventurous pioneers such as James Dean, Joseph Blackmer, Asa Danforth, and Comfort Tyler, all of whom would also establish early settlements by May 1788 (McIntosh 1877).

Settlement within Ontario County was rapid. A road was opened from Geneva to Canandaigua in 1789, which increased the population of Ontario County to 1,075, and to 8,466 by 1800. Disagreements with the Native Americans and the British invasion during the War or 1812 slowed progress, and it was not until the reestablishment of peace that settlers began to arrive in the area in greater numbers. Like many counties in the 18th and early 19th centuries,

travel to and from Ontario County was primarily along the area's waterways. The Clyde River, Ganaragua Creek, and Canandaigua Outlet were the first to be settled on, and in conjunction with Lake Ontario, were the primary transportation networks. Land travel generally followed Ridge Road, a road following a natural ridge running east to west along the prehistoric south bank of Lake Ontario. The State Legislature approved $5,000 dollars for road improvements in 1813, and lateral roads struck out north to the lake and southward (McIntosh 1877:44).

The construction and opening of the Erie Canal in 1825 brought a period of growth and prosperity to Ontario County. Such was the success of the Erie Canal that there were attempts to build canals to Sodus and Canandaigua under the auspices of the Ontario Canal Company (McIntosh 1877:46). These canals never came to fruition, however, as the rise of the railroad meant a cheaper, more efficient means of transportation than the canal system. The introduction of the Rochester and Syracuse Railroad in 1853 (which later became the New York Central Railroad) saw the end of the canal's importance as a method of shipping, and it wasn't long before the county was crisscrossed by railroads.

Ontario County is presently composed of the towns of Bristol, Canandaigua, Canadice, Clifton Springs, East Bloomfield, Farmington, Geneva, Gorham, Hopewell, Manchester, Naples, Richmond, Phelps, Seneca, South Bristol, Victor, and West Bloomfield. The central, northern, and eastern sections of Ontario County comprise the greatest population centers. According to census data taken in 2001, the population of Ontario County is 100,888 (Ontario County Online Resources 2019). Ontario County today is a thriving county, and includes several hospitals, colleges, and commercial businesses.

Town of Canandaigua

The Town of Canandaigua, surrounding the Lake of the same name in Ontario County, was established in 1789. "Ga-nun-da-gwah" was initially the "chosen spot" of Seneca settlement and the second principal town of the six nations. But, by an act of Congress in 1778, General Washington ordered General Sullivan and James Clinton to take an army of 5,000 to the forest of the Seneca and drive them out (Granger 1905: 5; McMillan 1911: 254). In 1788, the six million acres of land was then contracted by the Commonwealth of Massachusetts to Nathaniel Gorham and Oliver Phelps, for one million dollars; by July of that year 2,600,000 acres had been taken from the Seneca and were then titled as the Phelps and Gorham Purchase. The Purchase thus states that the encompassing land is, "…west by a point in the north line of Pennsylvania due south of a point of land made by the confluence of the Canaserage Creek and the Genesee River; thence north to the corner or point at such confluence; thence southwardly along the routes of the river to a point two miles south of Canewagus Village; thence due west twelve miles; thence northwesterly as to be twelve miles distant from the western boundaries of the river to the shore of Lake Ontario; leaving the eastern boundaries as originally fixed" (Granger 1905: 7).

By the May of 1789, prominent men from Schenectady had begun making Canandaigua their new home. Men such as General Israel Chapin, Nathaniel Gorham Jr., Frederick Saxton, Benjamin Gardner, Daniel Gates, Daniel Brainerd, and Martin Dudley became the first settlers. In 1790, the first census reported that 1,081 pioneers had made their way to Ontario County and 106 of them were in the town of Canandaigua, all from only eighteen families (Granger 1905: 7). That same year, the first "State Road" was opened connecting Canandaigua to Utica and brought thirty more families to the area (Granger 1905: 8).

In 1791, Canandaigua took the name of "Town" and was officially seventy-two square miles. On January 28, 1791, Phelps and Gorham conveyed six thousand acres in the southeast area of their new town, to establish what was called The Academy Tract. This area was set aside to, "...establish and support an Academy or Seminary of learning…" and was thus divided into forty lots for the purpose of building schools and churches (Granger 1905: 11). With this section allotted for these purposes, the first church of St. Matthews was built in 1799 and also used as a schoolhouse. Also in the 1790's, the first area newspaper was established as the *Bath Gazette and Genesee Advertiser*, Congress passed an act declaring the opening and maintaining roads in the State of New York, the first Canandaigua town meeting was held, and the south side of what was then West Avenue had begun being used for burial plots (Milliken 1911: 279). By 1824, the Town had grown so much that the occupants expanded settlement east of the Lake and declared a twelve by six by three mile area also part of the town.

The nineteenth century brought about many changes to the Canandaigua region, mostly related to transportation. In 1803, what was then known as the "turnpike" was completed, as well as the beginning of the first stage route heading westward and ending in Albany, which was completed by 1810. By 1840 many railroads were also constructed, including the Canandaigua and Jefferson Railroad in 1849, Auburn and Rochester Railroad, and the Canandaigua and

Niagara Falls Railroad (Granger 1905:16; Milliken 1911: 273-300). Well into the middle of the century, numerous roads had been constructed consisting of East, West, and North Streets surrounding the village, and most importantly, Main Street. Main Street became the home of many prominent citizens and businesses. The first fire engine house was built on Main Street in 1817, as well as the gristmill in 1825, the sawmill in 1840, and the flouring mill in 1868. In utilizing the natural water resources to power the latter, the water works system was established in 1884 by laying water mains and placing hydrants along the roadsides.

The citizens of Canandaigua spread out over much of the allotted region in order to utilize the land to its full potential. In addition to The Academy Tract, there was also Centerfield in the west and Cheshire in the south. Both were highly agricultural; however Centerfield became more of a trading center while Cheshire focused more upon religion than commerce. Because these two sections of town had some of the higher population rates, in 1815 the State contracted to separate the town from the village. The town, however, remained the Seat of Justice in Ontario County, as decreed in January of 1789 when the County was created.

Population growth trends can be seen in both census and cemetery records. The first census was taken in 1810 to record a population of 1,153 individuals. Every ten years from then on, a count was taken of the population to prove that Canandaigua was a fine place to reside. In 1820, there were 5,162 citizens, 1840 held 5,652: there were 6,143 in 1850: nearly 7,000 in 1860: ten years later (1870) the population had grown by one thousand more, and finally in 1905 it reached 9,000 (Granger 1905:15). With such a growing population, mortality rates also grew and these can be seen in the cemeteries, the first of which was established in 1790 on the south side of West Avenue. In 1826, it was expanded eastward and in 1841 the Cross Street Cemetery was allotted three and a half acres for burials. In 1860 seventy-one more acres were added and finally, in 1884 the first cemetery recognized by the Canandaigua Cemetery Association was the Woodlawn Cemetery (McMillan 1911: 279). According to census data taken in 2001, the population of Ontario County is 100,888. Today Ontario County is a thriving county, including approximately 80 churches as well as several hospitals, colleges, and commercial businesses. Like much of Ontario County, Canandaigua's economy was focused on agricultural products and their export but this is changing. Communities within the Town of Canandaigua have become focused primarily on tourism, driven by the seasonal attraction of the Finger Lakes of Central New York.

The Town of Hopewell

Hopewell is centrally located in the northern part of Ontario County, situated to the east of the city of Canandaigua. To the north of Hopewell lies the town of Manchester, to the northeast the town of Phelps, to the southeast the town of Seneca, to the south the town of Gorham, and to the east the town of Canandaigua. According to United States Census data compiled in 2019, the population of Hopewell is estimated to be around 3,630 people in about 35.7 square miles of territory. In 1822, the northern half of the town of Gorham split off to officially form the town of Hopewell. While some have speculated that the name "was an allusion to Hopewell in New Jersey, where General Washington and his officers held the famous 'council of war' on the evening preceding the battle of Monmouth" others have claimed that the name was meant to embody the "good wishes of those former fellow citizens of the older town--old Gorham, and that they truly hoped well for the child mothered on their soil," but the true reason behind the name is not known definitively (Milliken 1911: 395).

When European explorers and settlers began scouting the land now known as New York during the early years of the seventeenth century, they found this area of the country to be in the possession of the Haudenosaunee, roughly translating to "those who make the house longer" which signified their confederacy and likened it to their method of house building (Aldrich & Conover 1893:24). The Haudenosaunee Confederacy is believed to have had its origin in the mid-fifteenth century, and we have very little information on their predecessors in the region. The land included in the town of Hopewell originally belonged to the Seneca Nation of the Haudenosaunee, likely the greatest numerically of the nations and considered to be the keepers of the western door of the Confederacy. Several Native American sites and trails have been discovered in and around Hopewell, including a prominent trail junction, crossing one of their paths from present day "Geneva through Oaks' Corners with the trail from Canandaigua Lake to the region of Palmyra," as well as one of their settlements, a city and burial ground by the name of Onnachee or Onnaghee where "quantities of skeletons have in time past been uncovered and brought to light by the cultivation of the land, and very large numbers of kettles, tomahawks, with some guns and other [Native American] implements and relics have been found" (Aldrich & Conover 1893: 423-424). Onnaghee was located about five and half miles west of Flint Creek and had already been abandoned when Moravian missionaries discovered it upon visiting the region in 1750. The Haudenosaunee suffered frequently at the hands of European colonists but were ultimately decimated after George

Washington ordered what became known as the Sullivan Campaign in 1779, a military operation aimed at punishing the Haudenosaunee, who largely sided with the British during the Revolutionary War. The instructions given to General Sullivan, who advanced up the Chemung river with an army of about four thousand men, was "that the country be not merely overrun but destroyed" (Peck 1908: 23). The Haudenosaunee never recovered from this assault, and it freed up the land for colonial settlement and development in the following years.

The territory comprising Hopewell and Gorham was originally named Easton when it when Euro American settlers arrived in 1789, "but on April 19th, 1806, the name, not giving very good satisfaction to many citizens of the district, was changed to Lincoln, and still later, April 6th, 1807, to Gorham, in honor of Nathaniel Gorham, one of the proprietors under the Massachusetts Preemption purchase" (Milliken 1911: 395). Hopewell was then created and separated from Gorham on March 29th, 1822. The earliest pioneers of Hopewell largely consisted of New Englanders "fully imbued with the characteristic spirit of thrift, push and progressiveness" for by 1830 their population had exceeded two thousand. Oliver Phelps, of the Phelps and Gorham Purchase which Hopewell was a part of, erected the first grist-mill in 1791, known as the Phelps Mill, in Hopewell rather than Canandaigua as "the current of water in the outlet flowing northerly from Canandaigua Lake [had] at first but a slight fall, and it [was] not until about five miles northeasterly from the lake, at a place on the outlet now called Littleville, that sufficient power for a grist-mill could be obtained" (Aldrich & Conover 1893: 422). In 1798, Phelps and Israel Chapin, another one of the original settlers in Hopewell, began improving a plot of land about three miles northeast from Canandaigua and encouraged others to settle there, forming one of the first villages in the town, now known as Chapinville. Several other villages and hamlets cropped up around the town, such as Hopewell Center, which predated Chapinville, and Lewis, which held a lively trade station on the Northern Central Road, but Chapinville remained the largest and most notable. Chapin's farming operations were met with great success and Chapinville became a small, but bustling, trade center as "the flour made from the fine wheat on his farms… soon gained a great reputation for excellence, and on the completion of the Erie canal in 1825, a brisk trade was opened between the cities of the State and even abroad" (Milliken 1911: 399). After such successes, several mills and farms followed suit, marking Hopewell as a largely agricultural town.

As the nineteenth century wore on, the nearby city of Canandaigua grew, and the growth of Hopewell was stymied, seeing as business ventures chose Canandaigua as a place of operation rather than remote Hopewell. The Auburn and Rochester railroad was constructed through Chapinville in 1941, "which had the effect to temporarily stimulate business in the locality, but within less than twenty years the hamlet had resumed its former condition" (Aldrich & Conover, 1893: 427-428). The Chapinville Wheel Company was incorporated in 1891, becoming the most important non-agricultural industry in Hopewell, but even that didn't revitalize business to any noticeable degree. By the twentieth century, Hopewell's population shrunk below what its population had been in 1830, and "with not a single growing village within its borders, or the starting of a single new business enterprise, has been given over to the slow and uneventful course of an agricultural community, whose whole life and ultimate destiny as a constituent part of Ontario county rest with the tillers of the soil" (Milliken 1911: 401).

Historic Sensitivity Assessment

Accelerated population growth related to new industries and the use of the area as a bedroom community for Rochester and Canandaigua is shown by the dramatic increase in new residential structures within the existing population centers and along what were once rural roads. In general, development within the project area and the general vicinity appears to mirror regional growth. It should be noted that the scale and accuracy of 19th-century and early 20th-century maps can be questionable compared to modern maps and surveys because they frequently lack the accuracy of location and scale present in modern surveys. Therefore, the location of the APE and recorded structures should be regarded as approximate. One residence appears within the western end of the APE as early as 1852 (Figure 4, R. Beeman). By 1904, the residence is joined by an outbuilding (Figure 6, I. Hawley). One structure appears to be extant in 1994 (Figures 7 & 8), and 2006 (Figures 9 & 10), however, it is no longer present by 2008 (Figure 11). This information is summarized in Table 4. Visual inspection of the areas containing the MDS revealed no evidence of structures (i.e., foundations, structural debris) (Appendix II). It is possible that any historic cultural material encountered may be found *in situ*, or as the result of secondary deposition.

Location	Property Name 1852 Map (Figure 4)	Property Name 1874 Map (Figure 5)	Property Name 1904 Map (Figure 6)	Present on 1994 Aerial Photograph (Figures 7&8)	Present on 2006 Aerial Photographs (Figures 9&10)	Present on 2008 Aerial Photographs (Figure 11)	Present on 2019 Aerial Photograph (Figure 12)
West Side of APE adjacent to NY Route 364	R. Beeman	R. Beeman	I. Hawley (2 Structures)	1 Structure	1 Structure	No Structures	No Structures

Table 5. Map Documented Structures within the APE

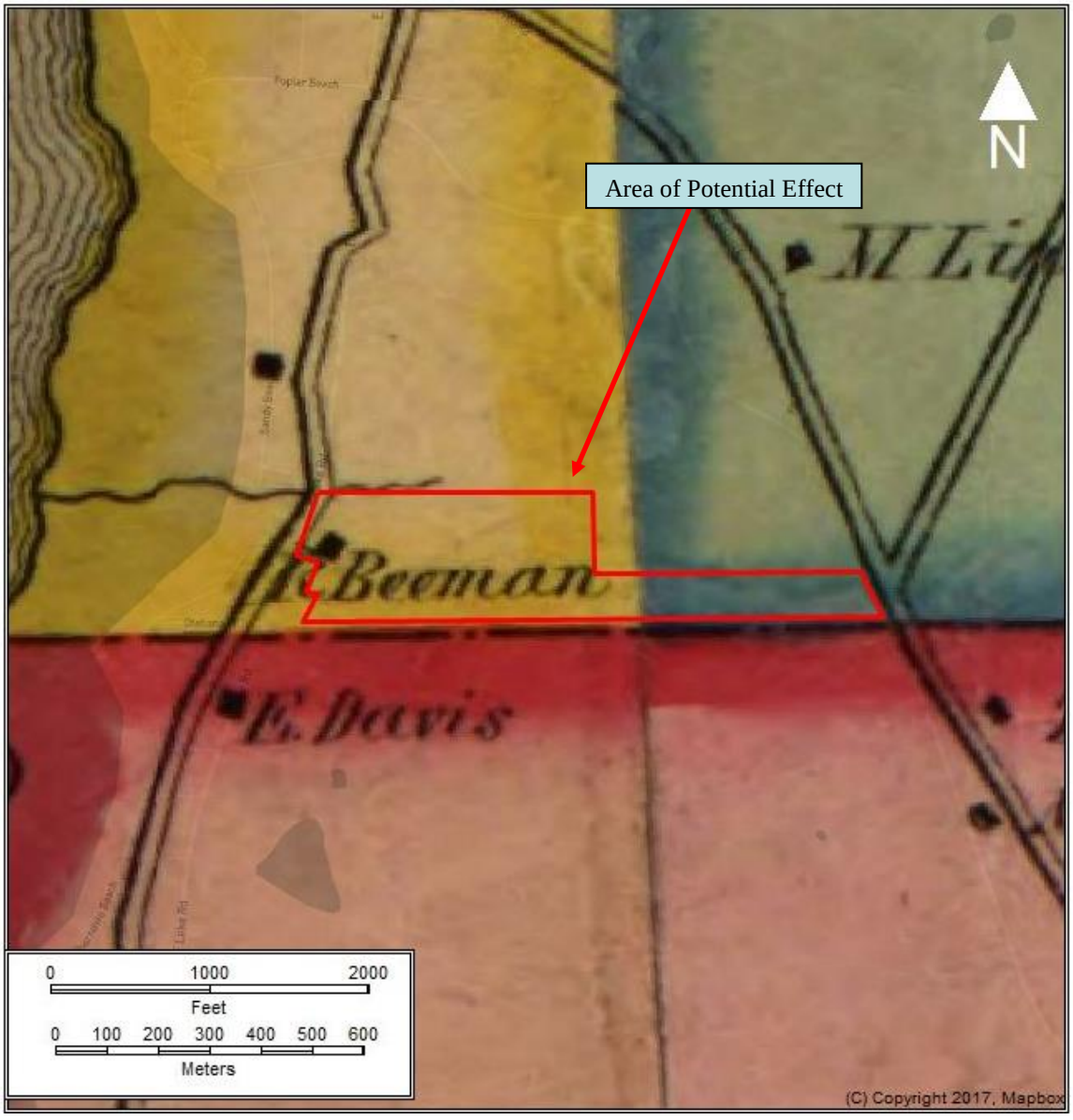


Figure 4. Area of Potential Effect on the 1852 Walling *Map of Ontario County, New York*

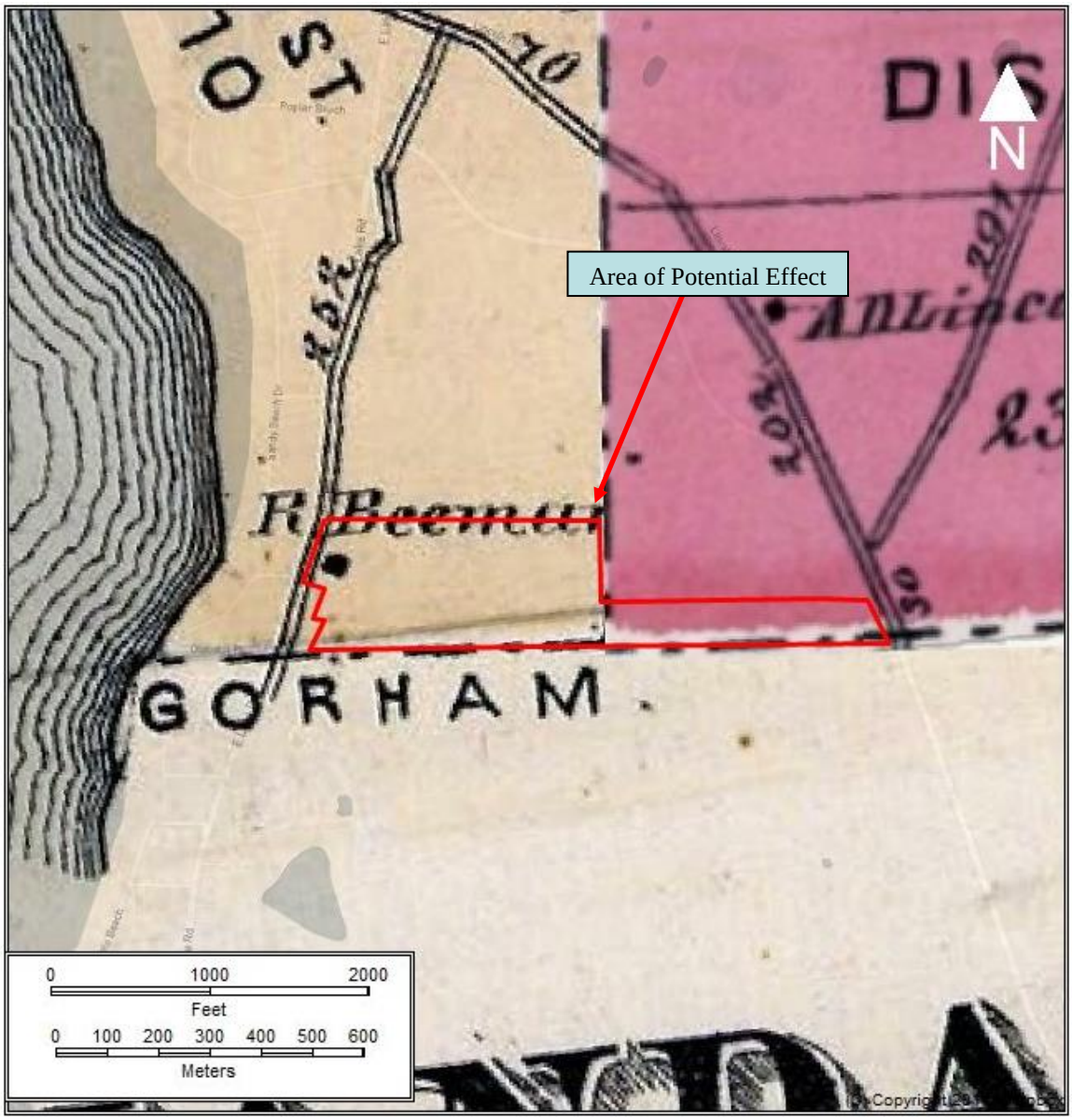


Figure 5. Area of Potential Effect on the 1874 Nichols *Atlas of Ontario County, New York*

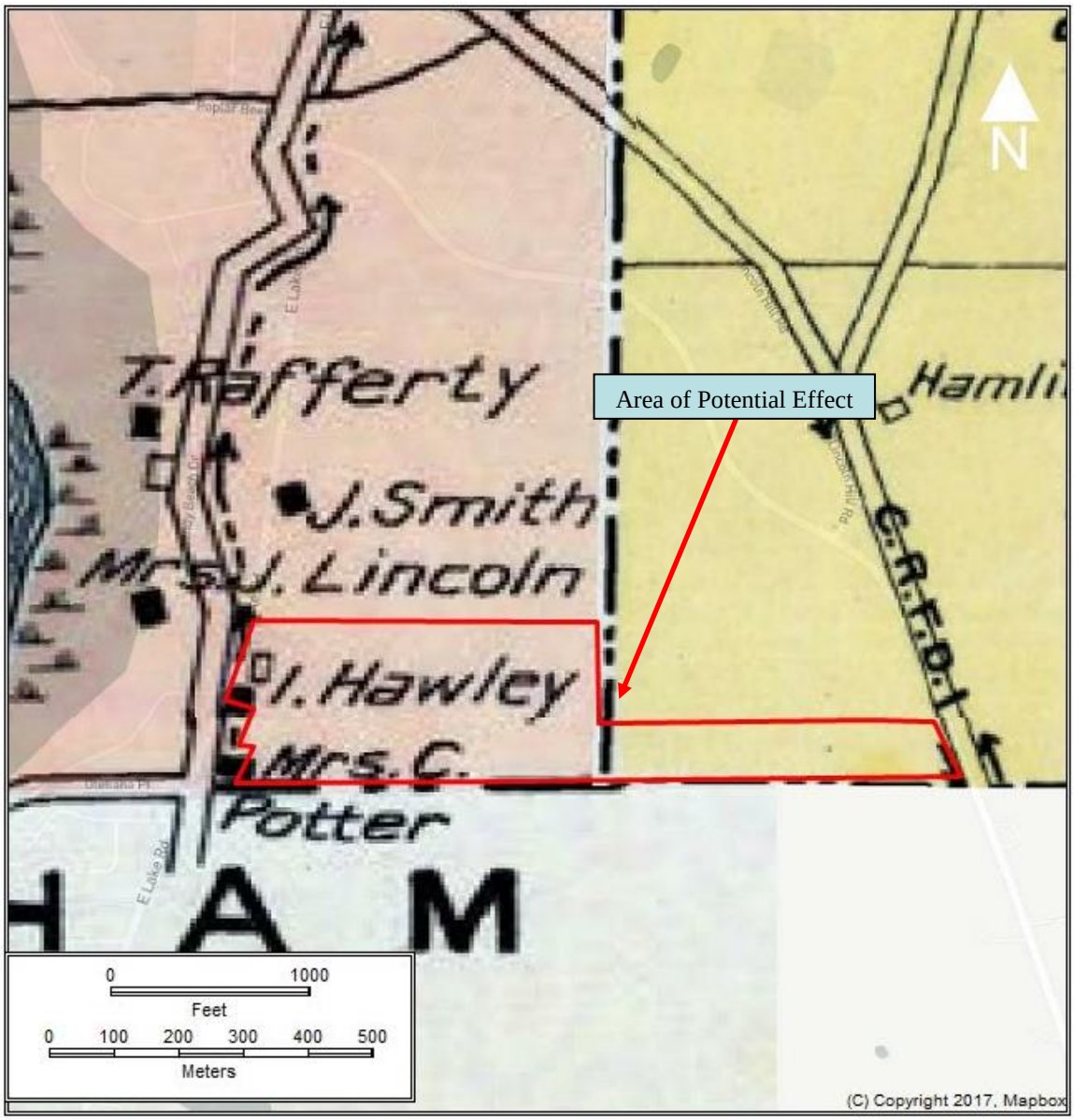


Figure 6. Area of Potential Effect on the 1904 Century Map Co. *Atlas of Ontario County, New York*

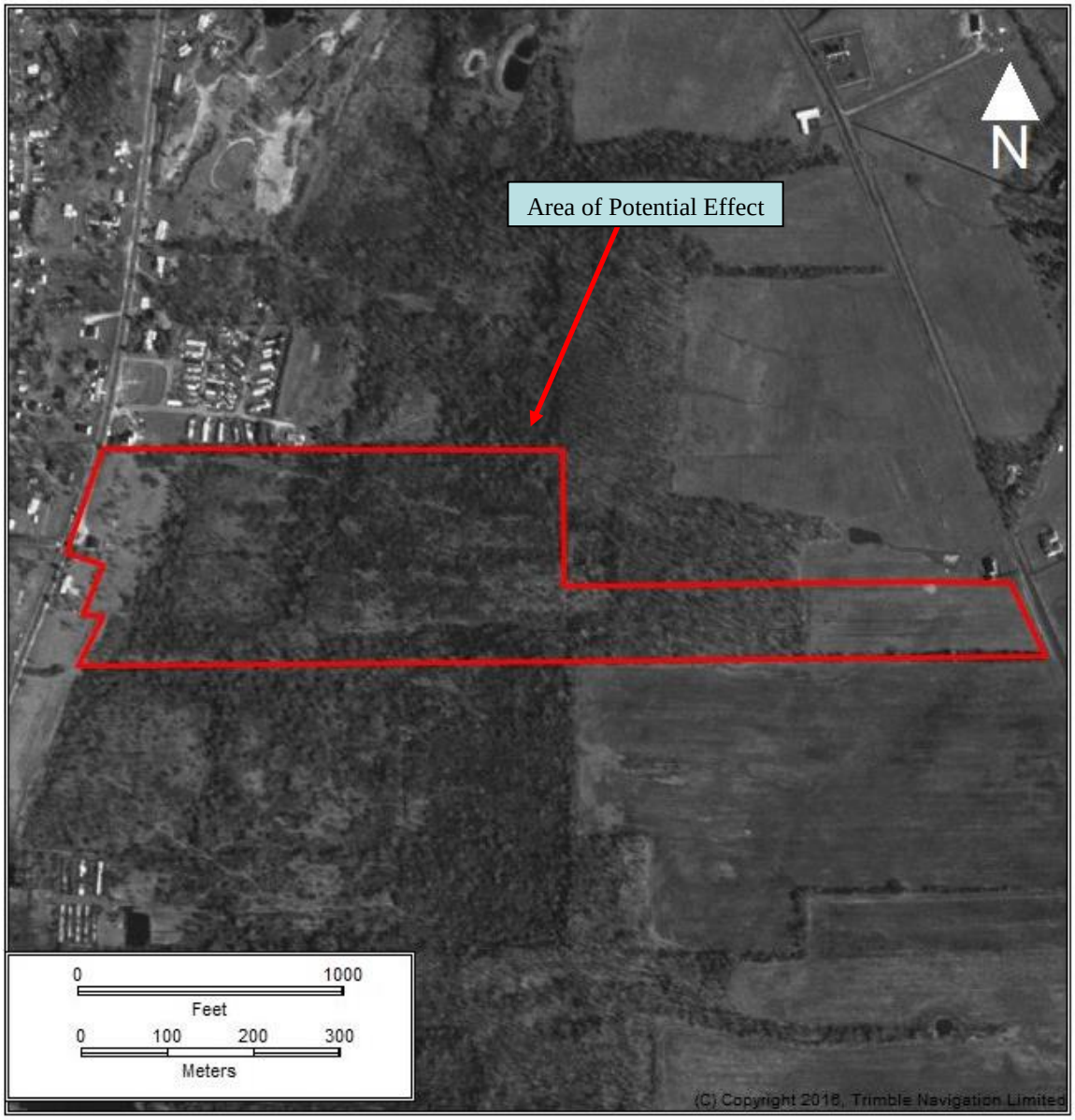


Figure 7. Area of Potential Effect on the 1994 USGS Aerial Photograph

Figure 8. Western end of Area of Potential Effect on the 1994 USGS Aerial Photograph

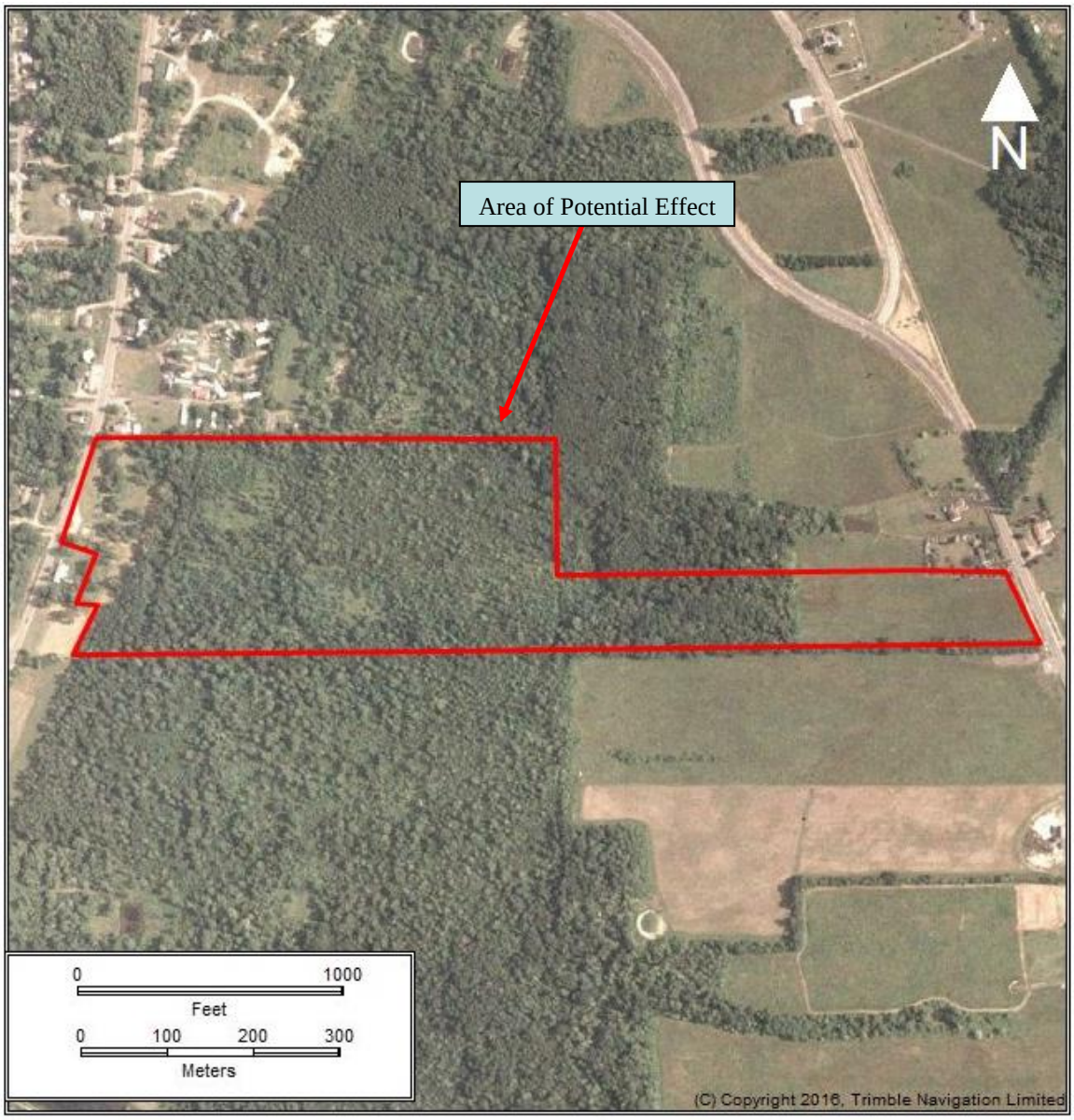


Figure 9. Area of Potential Effect on the 2006 USGS Aerial Photograph

Figure 10. Western end of Area of Potential Effect on the 2006 USGS Aerial Photograph

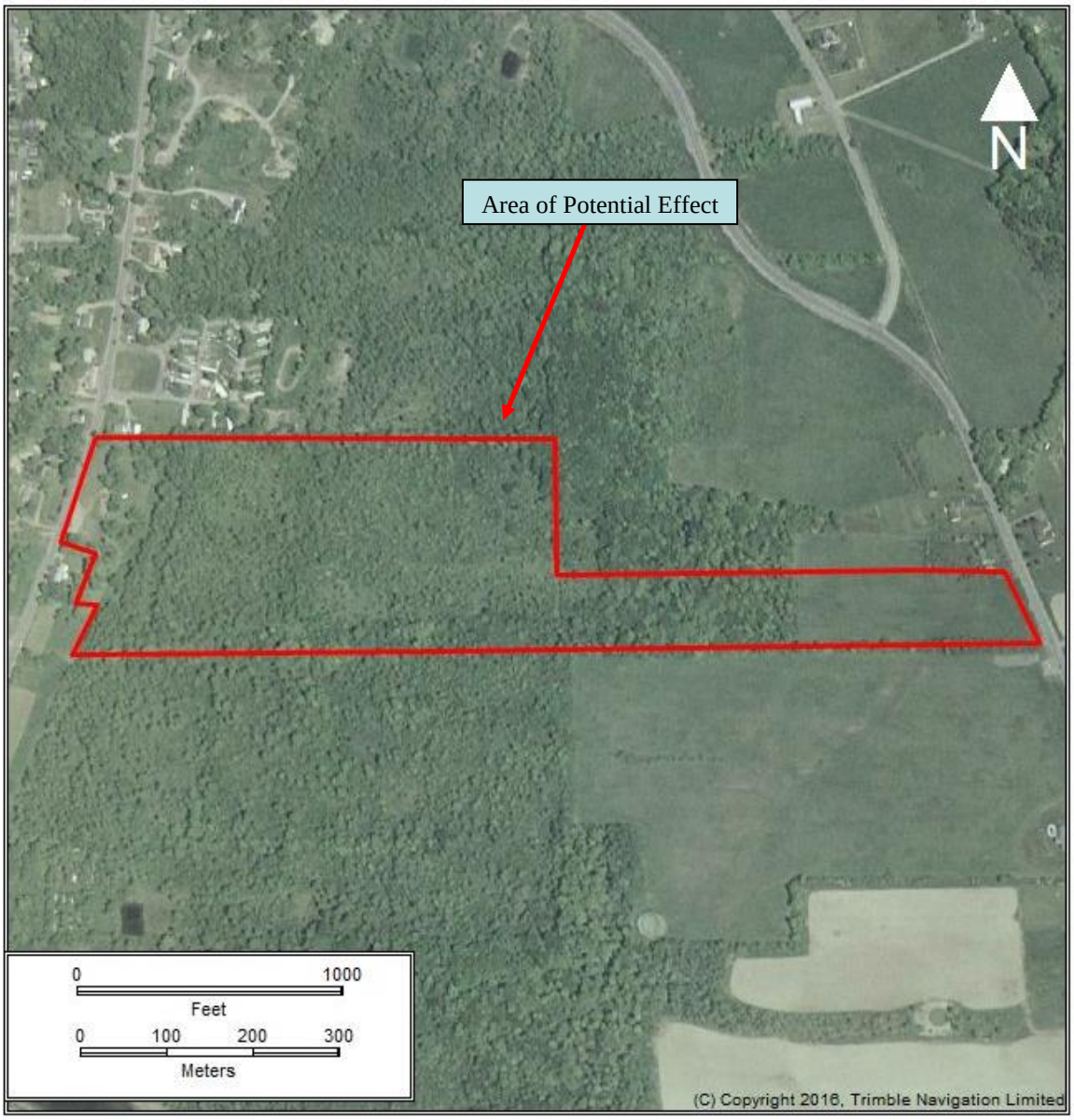


Figure 11. Area of Potential Effect on the 2008 USGS Aerial Photograph

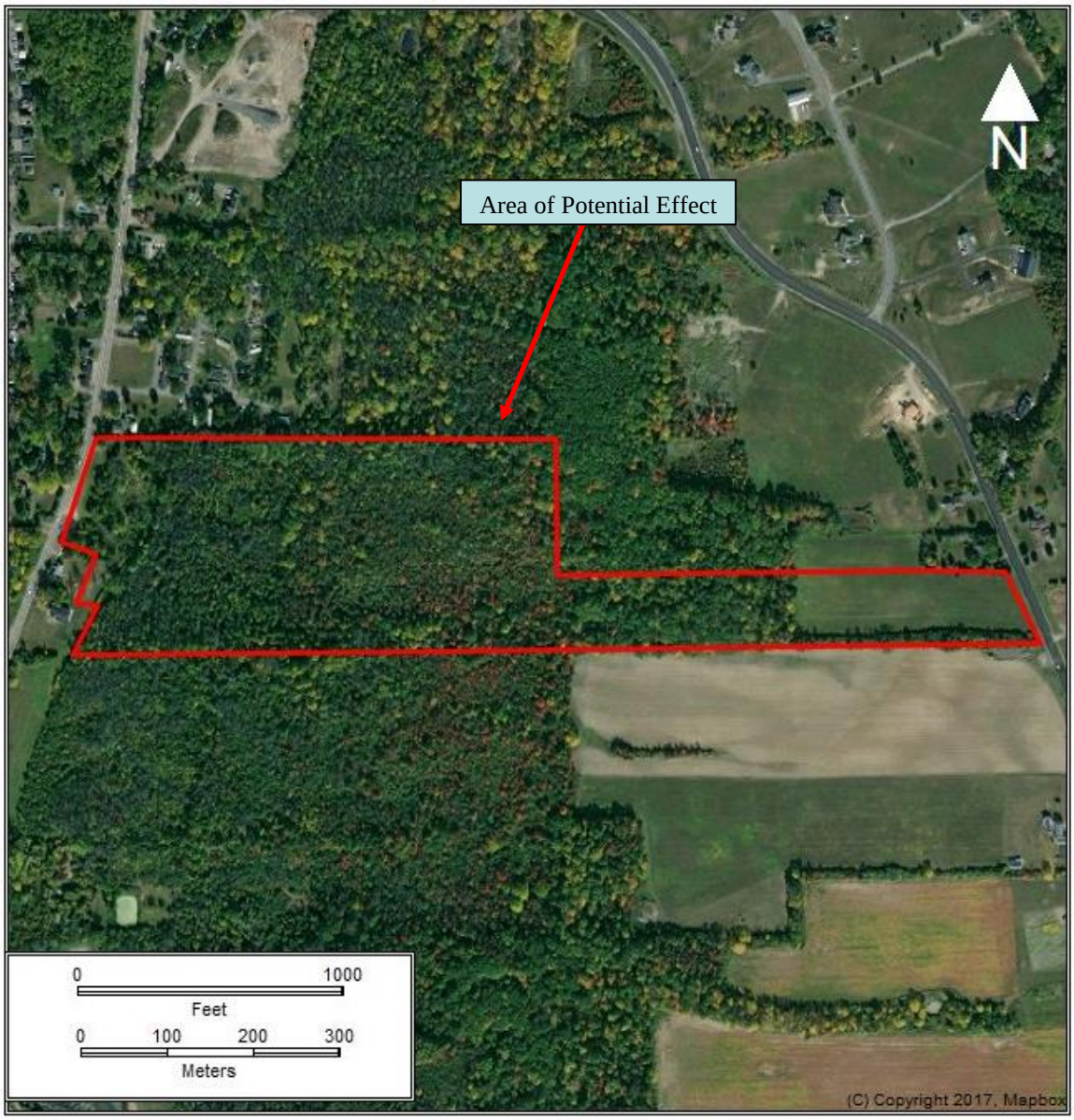


Figure 12. Area of Potential Effect on the 2019 USGS Aerial Photograph

V. PHASE IB ARCHAEOLOGICAL INVESTIGATIONS

Archaeological Survey Team / Date
The Powers Archaeology LLC archaeological field team consisted of Paul Powers, Taylor Walders, Andrea Burley, and Matthew Bognaski. The Phase I testing was conducted in June of 2021.

Ground Conditions
Physical conditions within the APE consist of open mowed farm field, tertiary woods, grasses, and weeds. A small gravel drive is found on the western end of the APE (Appendix II).

Field Methodology
A site visit included a visual examination of the project area to ascertain whether any sections showed evidence of prior disturbance, wetlands, or excessive slope. Based upon observed conditions, approximately 2.27 acres / .92 hectares consisted of slope exceeding 15%, which was omitted from testing. The remaining the entire 41.73 acres / 16.89 hectares was deemed testable using standard Phase IB testing methods (Appendix I).

The Phase IB field investigations strategy for this project consisted of shovel testing (Appendix I). Shovel test placement was determined using project maps provided to Powers Archaeology LLC, research completed during Phase IA investigations and conditions observed during the initial field inspection. Shovel test units were plotted at 50-ft / 15-m intervals throughout the APE (n=655). In areas within or adjacent to Map Documented Structure (MDS) locations (west end of APE), the interval was reduced to 25-ft / 7.5-m (n=23). Transects were oriented with a magnetic compass and paced out depending on the project area field conditions. Hand-held GPS units were used to verify accuracy. Shovel tests were excavated by hand, and measured 1-ft x 1-ft / 30-cm x 30-cm. Each test was excavated to sterile subsoil or having exceeded 20 in / 50 cm in depth. All soils excavated were screened through ¼-inch metal mesh to recover any cultural material that may have been present. All soil types and textures were recorded in field notebooks. Documentation of existing conditions within the APE as well as that of general vicinity was accomplished through photography (Appendix II).

Problems Encountered
Dense vegetation made navigation within the APE tenuous, though this was overcome and shovel test placement double checked utilizing hand-held GPS units.

Artifact Descriptions
Recovered cultural material was limited to modern trash, slag, and 1 wire nail (Appendix III). No significant cultural material was recovered.

Shovel Test Results
The APE was subjected to subsurface testing as part of these Phase I investigations. 83 transects were placed within the APE, containing a total of 688 shovel tests (Appendices I and III). While testing the proposed APE, 668 (97%) of the 688 shovel tests excavated reached a second layer. The excavation of 20 (3%) shovel tests was halted due having encountered a rock impasse, root impasse, or having a level one exceeding 20 in / 50 cmbs (Appendix III). Gravel fill was particularly present in the location and vicinity of MDS located adjacent to East Lake Road (Transects 73-83). Soils encountered in the STPs were generally those expected as outlined as a typical profile found by the United States Department of Agriculture (USDA 1973), though some variation was present. No significant cultural material was recovered.

Layer I

Layer I averaged 11 in / 27 cmbs, with a maximum depth of 28 in / 72 cmbs recorded. Variations in soil color may be the result of a mixed A and B horizons or varying moisture levels within the soil. The following tables summarize soil color and consistency within Layer I (Tables 6 and 7).

Table 6. Layer I Soil Colors

10YR 4/2 Dark Grayish Brown	60.90%
10YR 5/2 Grayish Brown	37.79%
10YR 6/4 Light Yellowish Brown	1.16%
10YR 5/4 Yellowish Brown	0.15%

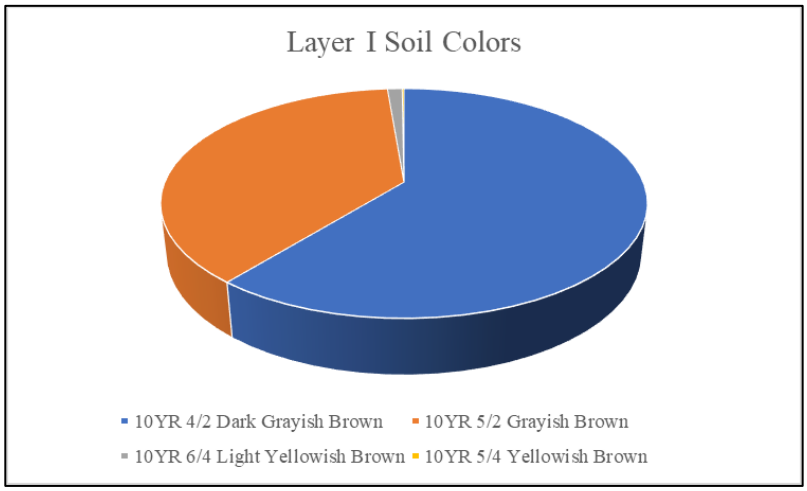
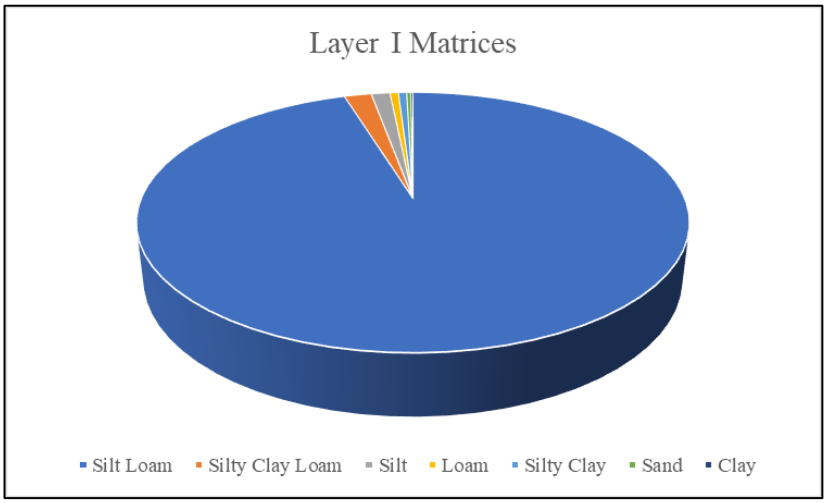


Table 7. Layer I Soil Matrices

Silt Loam	95.20%
Silty Clay Loam	1.89%
Silt	1.31%
Loam	0.58%
Silty Clay	0.58%
Sand	0.29%
Clay	0.15%



Layer II

Layer II consisted of B horizon soils. Layer II was excavated to an average depth of 16 in / 40 cmbs, with a maximum depth reached of 25 in / 64 cmbs. The following tables summarize soil color and consistency within Layer II (Tables 8 and 9).

Table 8. Layer II Soil Colors

10YR 5/2 Grayish Brown	48.95%
10YR 6/4 Light Yellowish Brown	33.38%
10YR 4/4 Dark Yellowish Brown	8.53%
10YR 5/4 Yellowish Brown	7.63%
10YR 4/2 Dark Grayish Brown	1.35%
7.5YR 5/6 Strong Brown	0.15%

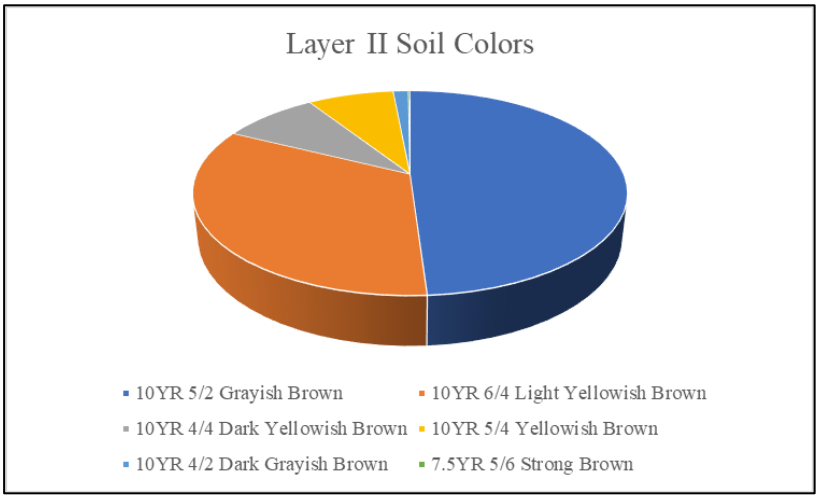
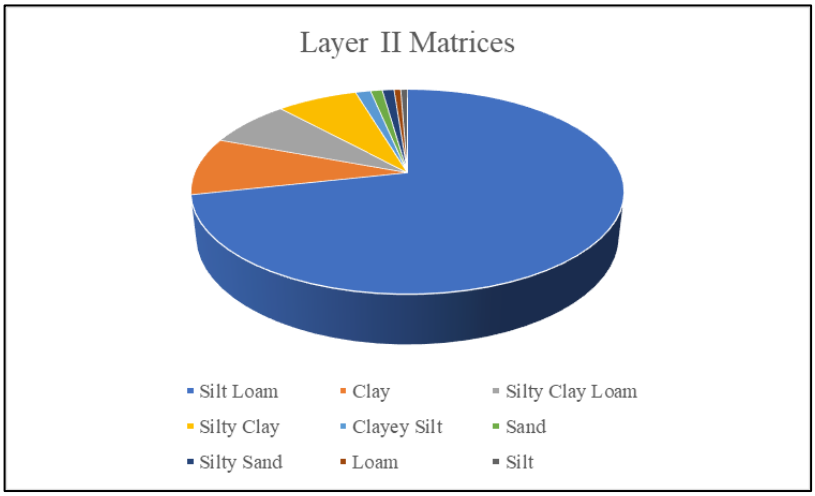


Table 9. Layer II Soil Matrices

Silt Loam	71.56%
Clay	9.13%
Silty Clay Loam	7.49%
Silty Clay	7.19%
Clayey Silt	1.35%
Sand	1.05%
Silty Sand	1.05%
Loam	0.60%
Silt	0.60%



VI. TESTING RECOMMENDATIONS

These Phase I Cultural Resource Investigations were performed only for the 44 acres / 17.8 hectares that were considered the Area of Potential Effect for the Proposed Canandaigua Shores Townhome Development Project. All work was conducted in the Towns of Canandaigua and Hopewell, Ontario County, New York. While the physiographic context of the project area suggests the possibility of encountering archaeological material, shovel testing produced no evidence of prehistoric occupation or historical significance. Neither Native American sites nor Euro-American sites were identified within the APE. Consequently, Powers Archaeology LLC believe that current plans should be allowed to proceed, and that no further archaeological work is warranted.

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Appendix I
Project Maps

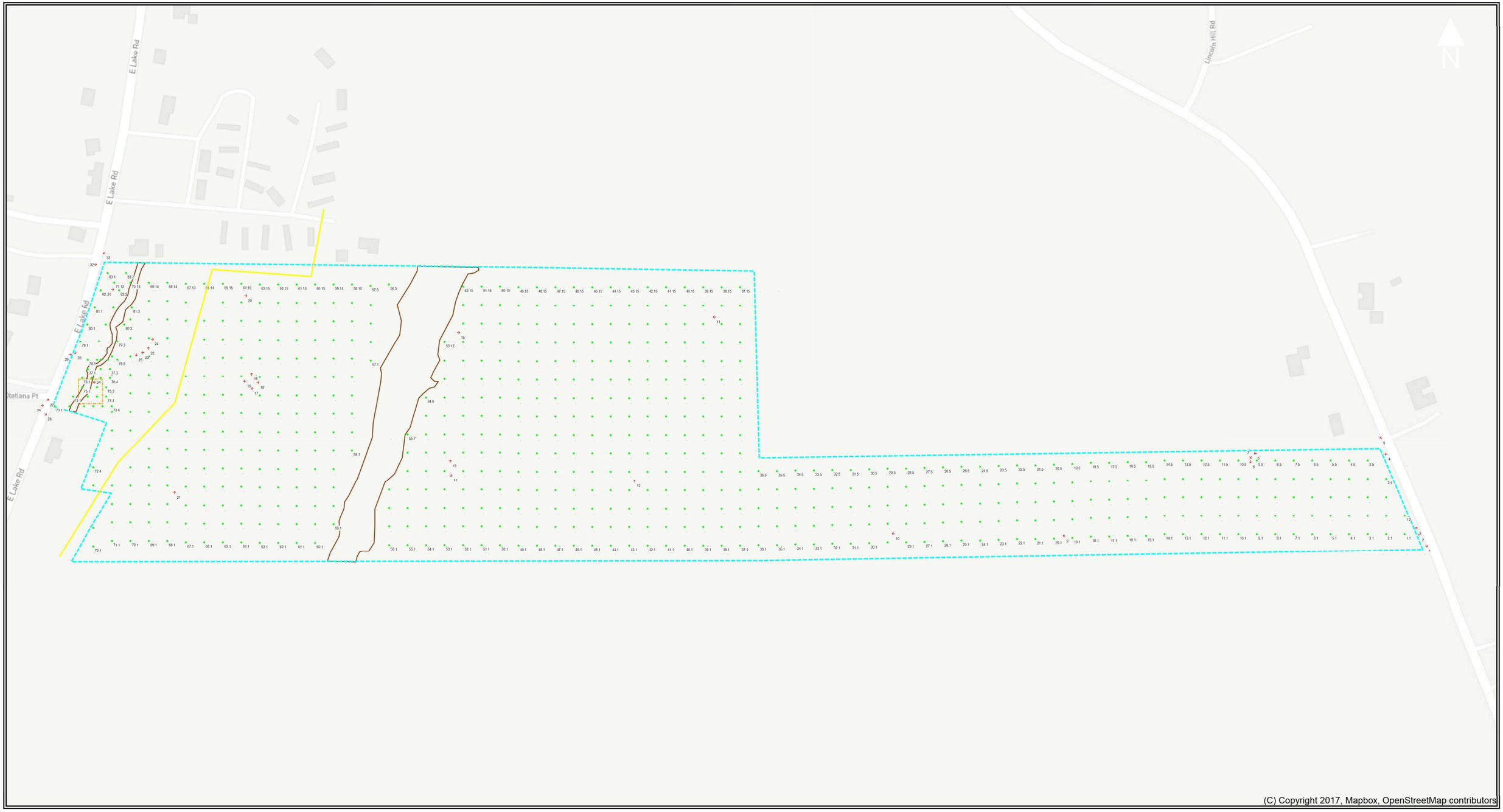
0 100 200 300 400 500 600 700
Feet

0 100 200
Meters

Legend:
- APE Boundary
- Map Documented Structure Area
- Existing Sanitary Sewer
- Slope 15% or greater
- Negative Shovel Test
- Photograph Angle

Powers Archaeology LLC
Phase I (IA & IB) Cultural Resource Investigation for the
Proposed Canandaigua Shores Townhome Development Project
Towns of Canandaigua and Hopewell, Ontario County, New York

MAP #1
Phase I Project Map
2019 Aerial Photograph



0 100 200 300 400 500 600 700
Feet

0 100 200
Meters

Legend:

- APE Boundary
- Map Documented Structure Area
- Existing Sanitary Sewer
- Slope 15% or greater
- Negative Shovel Test
- Photograph Angle

Powers Archaeology LLC
Phase I (IA & IB) Cultural Resource Investigation for the
Proposed Canandaigua Shores Townhome Development Project
Towns of Canandaigua and Hopewell, Ontario County, New York

MAP #2
Phase I Project Map
Terrain Navigator Base Map

0 100
Feet

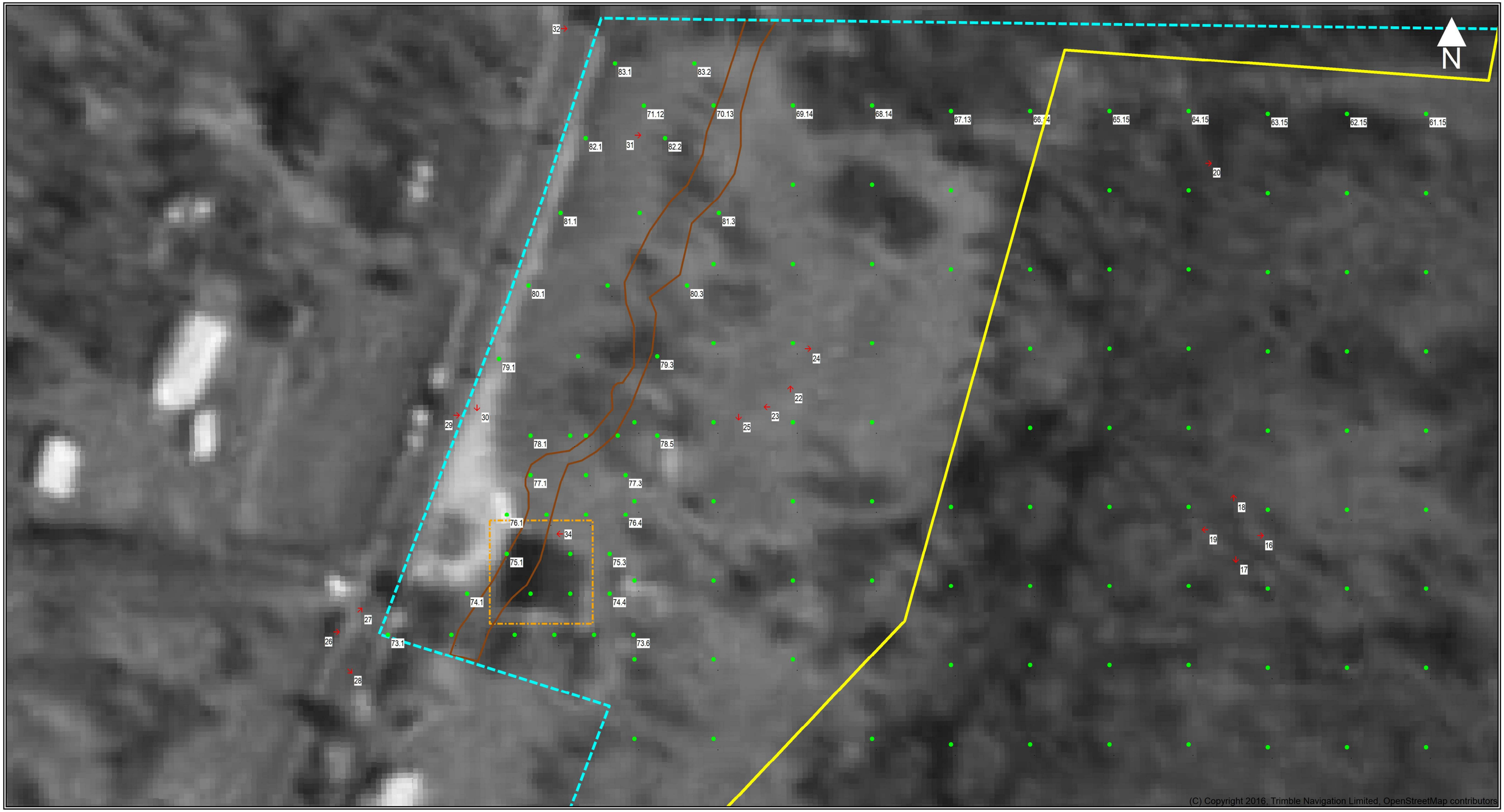
0 10 20 30 40 50
Meters

Legend:

- APE Boundary
- Map Documented Structure Area
- Existing Sanitary Sewer
- Slope 15% or greater
- Negative Shovel Test
- Photograph Angle

Powers Archaeology LLC
Phase I (IA & IB) Cultural Resource Investigation for the
Proposed Canandaigua Shores Townhome Development Project
Towns of Canandaigua and Hopewell, Ontario County, New York

MAP #3
Phase I Project Map
West End of APE on 2019 Aerial Photograph



0 100
Feet

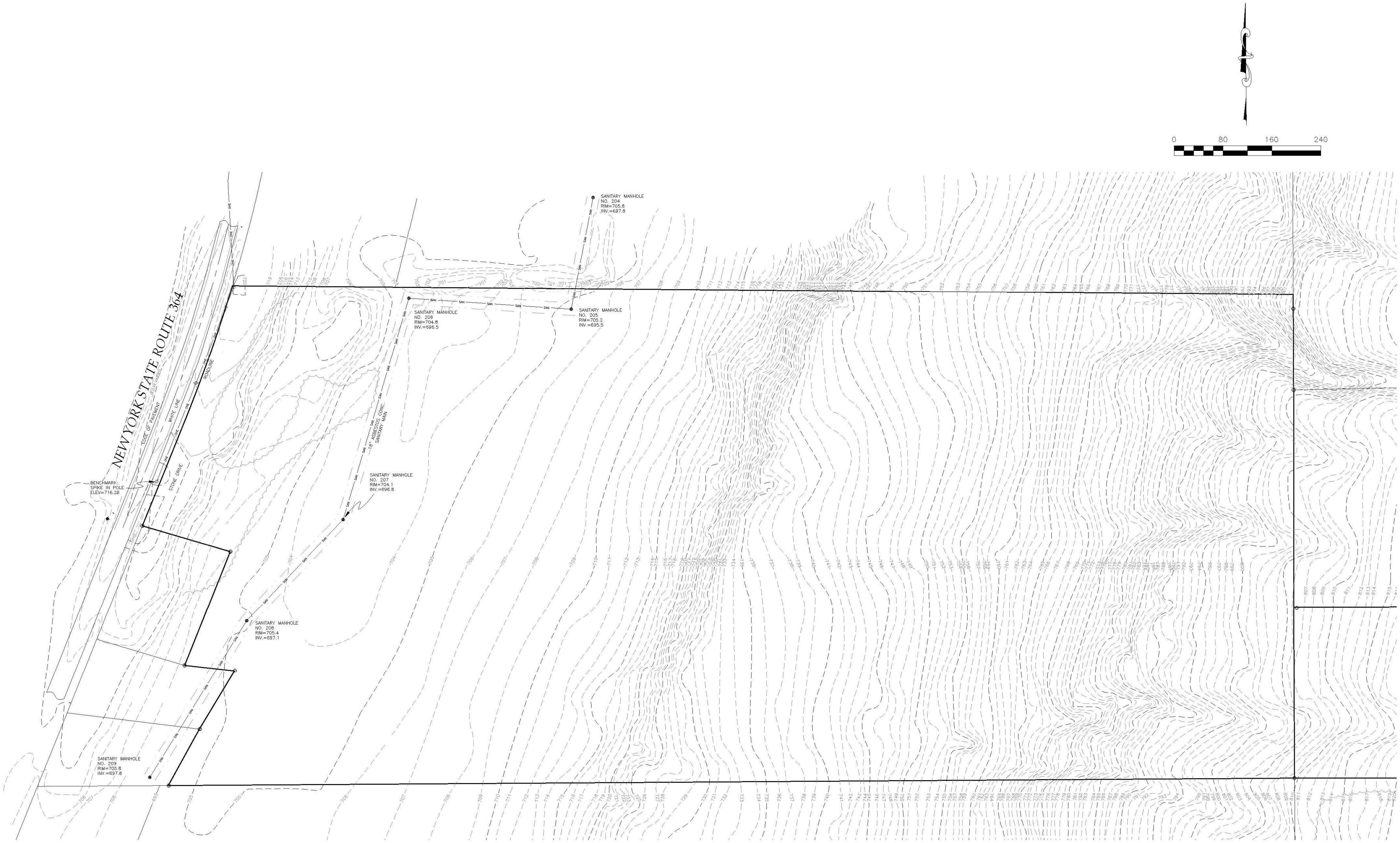
0 10 20 30 40 50
Meters

Legend:

- APE Boundary
- Map Documented Structure Area
- Existing Sanitary Sewer
- Slope 15% or greater
- Negative Shovel Test
- Photograph Angle

Powers Archaeology LLC
Phase I (IA & IB) Cultural Resource Investigation for the
Proposed Canandaigua Shores Townhome Development Project
Towns of Canandaigua and Hopewell, Ontario County, New York

MAP #4
Phase I Project Map
West End of APE on 1994 Aerial Photograph



MAP REFERENCE

1. ELEVATION DATUM: NAVD 88 GEOID 18NGS
2. HORIZONTAL DATUM: NEW YORK STATE PLANE, NAD83 NEW YORK CENTRAL
3. DEED: L.1044 P.883

1 EXISITNG CONDITIONS
1"=80'

LEGEND

	EXISTING	PROPOSED	
Iron pin or pipe found	OHE	OHE	Utility Lines
Benchmark			R.O.W. line
Utility pole			Property line
Hydrant			Easement line
Light pole			Centerline
	SWLE	SWLE	Drainage
	X	X	Fence Line
PERC TEST / DEEP HOLE		99	Contour Line

ABBREVIATIONS:
EX–EXISTING
CPP–CORRUGATED POLYETHYLENE PIPE
O.C.–ON CENTER
SICPP–SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
UG–UNDERGROUND
CONC–CONCRETE
CO –CLEAN OUT
TYP–TYPICAL
R–RADIUS
BC–BOTTOM OF CURB
TC–TOP OF CURB
TW–TOP OF WALL
BW–BOTTOM OF WALL
BS–BOTTOM OF STAIRS
PERF–PERFORATED
MIN–MINIMUM
MAX–MAXIMUM
INV–INVERT
CB–CATCH BASIN
MH–MANHOLE
DI–DRAINAGE INLET

PRELIMINARY
NOT FOR CONSTRUCTION

MarksEngineering
4 2 BEEMAN ST
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www.marksengineering.com
Phone 585-905-0360
Fax: 585-485-6205
bmarks@marksengineering.com

STATE OF NEW YORK BRENNAN A MARKS 093182 LICENSED PROFESSIONAL ENGINEER
STAMP

STAMP

REVISIONS

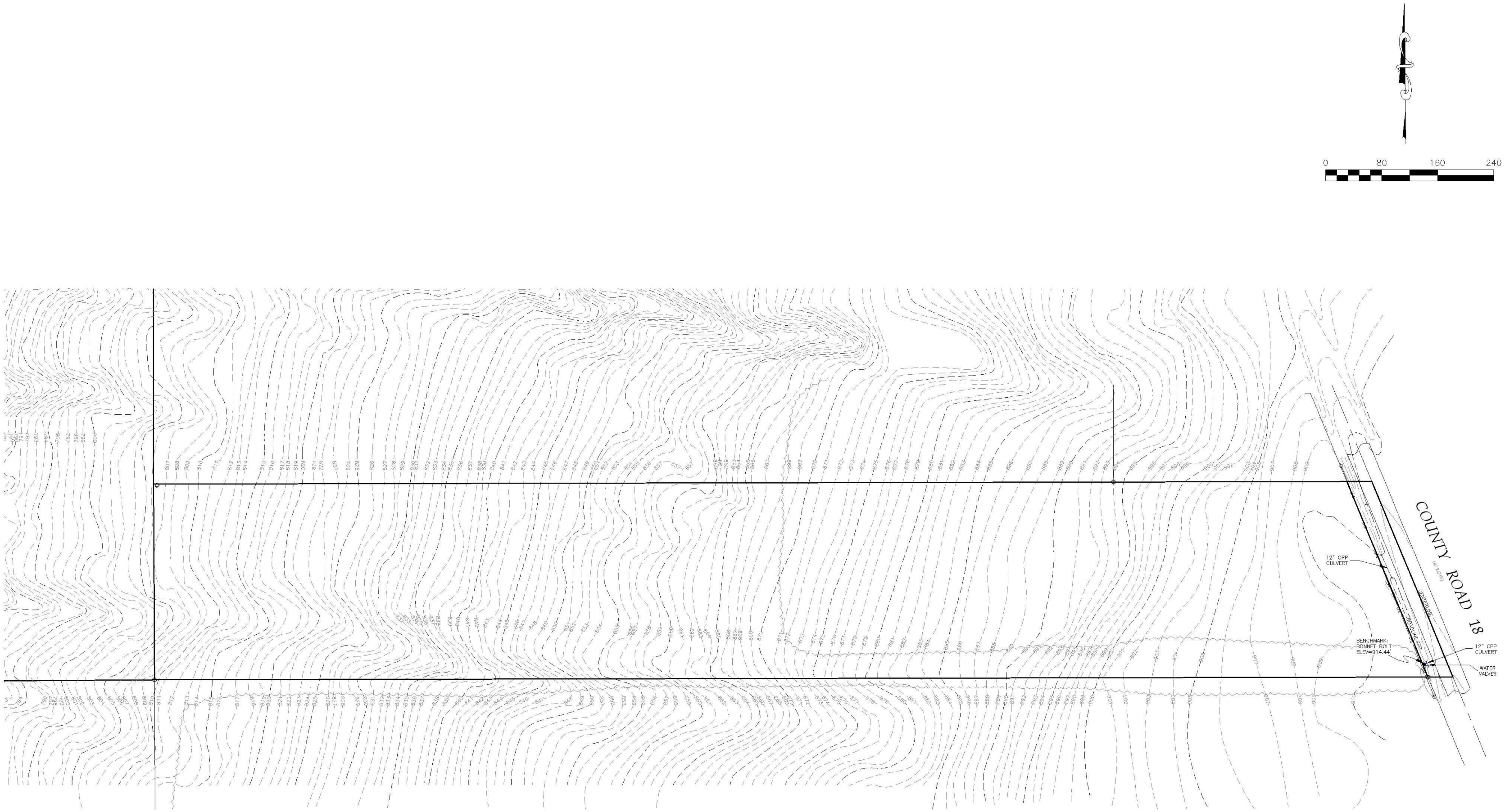
NO.	DATE	DESCRIPTION OF REVISION	BY
1	4/19/21	PER TOWN PRC MEETING	BAM

SITE DEVELOPMENT PLANS PREPARED FOR:
CANANDAIGUA SHORES
TOWNHOME / RESIDENTIAL DEVELOPMENT
SHOWING LAND IN:
3535 STATE ROUTE 364 / 0000 COUNTY ROAD 18
TOWN OF CANANDAIGUA/HOPEWELL
COUNTY OF ONTARIO STATE OF NEW YORK

DRAWING TITLE:
EXISTING COND.

DRAWN BY:	KRB
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	20-243
DATE:	04/07/2021
TAX MAP#:	98.18-1-20.10

EX100



1 EXISITNG CONDITIONS
1"=80'

PRELIMINARY
NOT FOR CONSTRUCTION

MAP REFERENCE

1. ELEVATION DATUM: NAVD 88 GEOID 18NGS
2. HORIZONTAL DATUM: NEW YORK STATE PLANE, NAD83 NEW YORK CENTRAL
3. DEED: L.1462 P.905

LEGEND

Symbol		EXISTING	PROPOSED	
Iron pin or pipe found		OHE	OHE	Utility Lines
Benchmark				R.O.W. line
Utility pole				Property line
Hydrant				Easement line
Light pole				Centerline
		SWLE	SWLE	Drainage
		X	X	Fence Line
PERC TEST	DEEP HOLE		99	Contour Line

ABBREVIATIONS:
EX–EXISTING
CPP–CORRUGATED POLYETHYLENE PIPE
O.C.–ON CENTER
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CO –CLEAN OUT
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R–RADIUS
BC–BOTTOM OF CURB
TC–TOP OF CURB
TW–TOP OF WALL
BW–BOTTOM OF WALL
BS–BOTTOM OF STAIRS
PERF–PERFORATED
MIN–MINIMUM
MAX–MAXIMUM
INV–INVERT
CB–CATCH BASIN
MH–MANHOLE
DI–DRAINAGE INLET

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STATE OF NEW YORK
BRENNAH A. M...
093182
PROFESSIONAL ENGINEER

STAMP

REVISIONS

NO.	DATE	DESCRIPTION OF REVISION	BY
1	4/19/21	PER TOWN PRE-MEETING	BAM

SITE DEVELOPMENT PLANS PREPARED FOR:
CANANDAIGUA SHORES
TOWNHOME / RESIDENTIAL DEVELOPMENT
SHOWING LAND IN:
3535 STATE ROUTE 364 / 0000 COUNTY ROAD 18
TOWN OF CANANDAIGUA/HOPEWELL
COUNTY OF ONTARIO STATE OF NEW YORK

DRAWING TITLE:
EXISTING COND.

DRAWN BY:	KRB
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	20-243
DATE:	04/07/2021
TAX MAP#:	98.18-1-20.10

EX101

Appendix II
Project Area Photographs

Photograph 1. General project vicinity south of the APE including County Road 18, looking south / southeast.

Photograph 2. APE from the southeast corner, looking west.

Photograph 3. APE from the southeast corner, looking north / northwest.

Photograph 4. APE from County Road 18, looking west.

Photograph 5. General project vicinity north of the APE including County Road 18, looking north / northwest.

Photograph 6. APE, looking west.

Photograph 7. APE, looking southwest.

Photograph 8. APE, looking south.

Photograph 9. APE and typical vegetation in eastern end of woods, looking northwest.

Photograph 10. APE and typical vegetation, looking west.

Photograph 11. APE and typical vegetation, looking west.

Photograph 12. APE and typical vegetation, looking north.

Photograph 13. APE, looking north.

Photograph 14. APE, looking south.

Photograph 15. APE, looking east.

Photograph 16. APE, looking east.

Photograph 17. APE, looking south.

Photograph 18. APE, looking north.

Photograph 19. APE, looking west.

Photograph 20. APE, looking east.

Photograph 21. APE, looking north.

Photograph 22. Clearing in western end of the APE, looking north.

Photograph 23. APE, looking west.

Photograph 24. APE, looking east.

Photograph 25. APE, looking south.

Photograph 26. APE from the western boundary, including MDS location, looking east.

Photograph 27. APE from the western boundary, including MDS location and NY Route 364, looking north / northeast.

Photograph 28. House # 3555 NY Route 364 (East Lake Road), west of the APE, looking south / southeast

Photograph 29. MDS vicinity from NY Route 364, looking east.

Photograph 30. Turnaround and MDS location from NY Route 364, looking south.

Photograph 31. APE, looking east.

Photograph 32. APE in the northwest corner, looking east.

Photograph 33. Western boundary of the APE and NY Route 364 from the northwest corner of the APE, looking south / southwest.

Photograph 34. Asphalt pile located in western section of the APE (vicinity of MDS), looking down.

Appendix III
Shovel Test Data

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
1	1	I	20	Dark Grayish Brown	Silt Loam	Gravel	No Cultural Material (NCM)	
1	1	II	31	Light Yellowish Brown	Silty Sand	Gravel	NCM	
1	2	I	18	Dark Grayish Brown	Silt Loam	Gravel	NCM	
1	2	II	36	Light Yellowish Brown	Silty Sand	Gravel	NCM	
2	1	I	18	Dark Grayish Brown	Silt Loam	Rocks	NCM	
2	1	II	29	Light Yellowish Brown	Silty Sand	Rocks	NCM	
2	2	I	22	Dark Grayish Brown	Silt Loam	Rocks	NCM	
2	2	II	34	Grayish Brown	Silt Loam	Rocks	NCM	
3	1	I	20	Dark Grayish Brown	Silt Loam	Gravel	NCM	
3	1	II	30	Grayish Brown	Clay		NCM	
3	2	I	22	Dark Grayish Brown	Silt Loam	Gravel	NCM	
3	2	II	32	Grayish Brown	Clayey Silt	Gravel	NCM	
3	3	I	25	Dark Grayish Brown	Silt Loam	Rocks	NCM	
3	3	II	35	Grayish Brown	Silt Loam	Gravel	NCM	
3	5	I	17	Grayish Brown	Silt Loam		NCM	
3	5	II	42	Dark Yellowish Brown	Clay		NCM	
4	1	I	16	Dark Grayish Brown	Silt Loam		NCM	
4	1	II	26	Grayish Brown	Silty Clay		NCM	
4	2	I	19	Dark Grayish Brown	Silt Loam		NCM	
4	2	II	29	Dark Yellowish Brown with Gray	Silty Clay		NCM	
4	3	I	21	Dark Grayish Brown	Silt Loam		NCM	
4	3	II	34	Grayish Brown	Silt		NCM	
4	5	I	17	Grayish Brown	Silt Loam		NCM	
4	5	II	42	Dark Yellowish Brown	Clay		NCM	
4	6	I	28	Grayish Brown	Silt Loam		NCM	
5	1	I	19	Dark Grayish Brown	Silt Loam	Rocks	NCM	
5	1	II	30	Grayish Brown	Silt Loam	Rocks	NCM	
5	2	I	18	Dark Grayish Brown	Silt Loam	Rocks	NCM	
5	2	II	29	Dark Yellowish Brown	Silty Sand	Rocks	NCM	
5	3	I	20	Dark Grayish Brown	Silt Loam	Rocks	NCM	
5	3	II	31	Grayish Brown	Silt Loam	Rocks	NCM	
5	4	I	23	Dark Grayish Brown	Silt Loam	Rocks	NCM	
5	4	II	37	Grayish Brown	Silt Loam	Rocks	NCM	
5	5	I	22	Dark Grayish Brown	Silt Loam	Rocks	NCM	
5	5	II	40	Grayish Brown	Silt Loam	Rocks	NCM	
6	1	I	18	Dark Grayish Brown	Silt		NCM	
6	1	II	28	Grayish Brown	Silty Clay		NCM	
6	2	I	32	Dark Grayish Brown	Silt Loam		NCM	
6	2	II	43	Grayish Brown	Clay		NCM	
6	3	I	23	Dark Grayish Brown	Silt Loam		NCM	
6	3	II	33	Grayish Brown	Clay		NCM	
6	4	I	23	Dark Grayish Brown	Silt Loam		NCM	
6	4	II	42	Grayish Brown	Clay		NCM	
6	5	I	21	Dark Grayish Brown	Silt Loam		NCM	
6	5	II	36	Grayish Brown	Clay		NCM	
7	1	I	18	Dark Grayish Brown	Silt Loam		NCM	
7	1	II	28	Grayish Brown	Clay		NCM	
7	2	I	28	Dark Grayish Brown	Silt Loam		NCM	
7	2	II	38	Grayish Brown	Clay		NCM	
7	3	I	19	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
7	3	II	29	Grayish Brown	Clay		NCM	
7	4	I	23	Dark Grayish Brown	Silt Loam		NCM	
7	4	II	41	Grayish Brown	Clay		NCM	
7	5	I	26	Dark Grayish Brown	Silt Loam		NCM	
7	5	II	42	Grayish Brown	Clay		NCM	
8	1	I	21	Dark Grayish Brown	Silt Loam		NCM	
8	1	II	33	Grayish Brown	Silty Clay		NCM	
8	2	I	25	Dark Grayish Brown	Silt Loam		NCM	
8	2	II	36	Grayish Brown	Silty Clay		NCM	
8	3	I	19	Dark Grayish Brown	Silt		NCM	
8	3	II	31	Light Yellowish Brown	Silt Loam		NCM	
8	4	I	24	Dark Grayish Brown	Silt	Rocks	NCM	
8	4	II	35	Grayish Brown	Silt Loam	Rocks	NCM	
8	5	I	24	Dark Grayish Brown	Silt		NCM	
8	5	II	47	Light Yellowish Brown	Silt Loam		NCM	
9	1	I	21	Dark Grayish Brown	Silt Loam		NCM	
9	1	II	31	Grayish Brown	Clay		NCM	
9	2	I	22	Dark Grayish Brown	Silt		NCM	
9	2	II	32	Grayish Brown	Clay		NCM	
9	3	I	21	Dark Grayish Brown	Silt Loam		NCM	
9	3	II	31	Grayish Brown	Clay		NCM	
9	4	I	26	Dark Grayish Brown	Silt Loam		NCM	
9	4	II	36	Grayish Brown	Clay		NCM	
9	5	I	24	Dark Grayish Brown	Silt Loam		NCM	
9	5	II	38	Grayish Brown	Clay		NCM	
10	1	I	26	Dark Grayish Brown	Silt Loam		NCM	
10	1	II	36	Grayish Brown	Silt Loam		NCM	
10	2	I	24	Dark Grayish Brown	Silt Loam		NCM	
10	2	II	34	Grayish Brown	Silt Loam		NCM	
10	3	I	22	Dark Grayish Brown	Silt Loam		NCM	
10	3	II	34	Grayish Brown	Silt Loam		NCM	
10	4	I	22	Dark Grayish Brown	Silt Loam		NCM	
10	4	II	33	Grayish Brown	Silt Loam		NCM	
10	5	I	25	Dark Grayish Brown	Silt Loam		NCM	
10	5	II	36	Grayish Brown	Silt Loam		NCM	
11	1	I	25	Grayish Brown	Silt Loam		NCM	
11	1	II	35	Grayish Brown	Clay		NCM	
11	2	I	25	Dark Grayish Brown	Silt Loam		NCM	
11	2	II	35	Grayish Brown	Clay		NCM	
11	3	I	27	Dark Grayish Brown	Silt Loam		NCM	
11	3	II	42	Grayish Brown	Clay		NCM	
11	4	I	16	Dark Grayish Brown	Silt		NCM	
11	4	II	26	Grayish Brown	Silt		NCM	
11	5	I	22	Dark Grayish Brown	Silt		NCM	
11	5	II	36	Grayish Brown	Silty Clay		NCM	
12	1	I	22	Dark Grayish Brown	Silt Loam		NCM	
12	1	II	33	Grayish Brown	Silt Loam		NCM	
12	2	I	24	Dark Grayish Brown	Silt		NCM	
12	2	II	35	Grayish Brown	Silty Clay		NCM	
12	3	I	22	Dark Grayish Brown	Silt Loam	Rocks	NCM	
12	3	II	33	Grayish Brown	Silty Clay		NCM	
12	4	I	21	Dark Grayish Brown	Silt Loam	Rocks	NCM	
12	4	II	32	Grayish Brown	Silt Loam	Rocks	NCM	
12	5	I	20	Dark Grayish Brown	Silt Loam	Rocks	NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
12	5	II	43	Grayish Brown	Silt Loam	Rocks	NCM	
13	1	I	24	Dark Grayish Brown	Silt Loam		NCM	
13	1	II	34	Grayish Brown	Clay		NCM	
13	2	I	19	Dark Grayish Brown	Silty Clay Loam		NCM	
13	2	II	29	Grayish Brown	Clay		NCM	
13	3	I	26	Dark Grayish Brown	Silt Loam		NCM	
13	3	II	36	Grayish Brown	Clay		NCM	
13	4	I	17	Dark Grayish Brown	Silty Clay		NCM	
13	4	II	27	Grayish Brown	Clay		NCM	
13	5	I	19	Dark Grayish Brown	Silty Clay		NCM	
13	5	II	30	Grayish Brown	Clay		NCM	
14	1	I	25	Dark Grayish Brown	Silt Loam		NCM	
14	1	II	39	Grayish Brown	Clayey Silt		NCM	
14	2	I	24	Dark Grayish Brown	Silty Clay Loam		NCM	
14	2	II	36	Dark Yellowish Brown	Silt Loam		NCM	
14	3	I	18	Dark Grayish Brown	Silty Clay		NCM	
14	3	II	28	Grayish Brown	Clay		NCM	
14	4	I	19	Dark Grayish Brown	Silt Loam		NCM	
14	4	II	30	Yellowish Brown	Silt Loam		NCM	
14	5	I	23	Dark Grayish Brown	Silt Loam		NCM	
14	5	II	41	Grayish Brown	Silt Loam		NCM	
15	1	I	33	Grayish Brown	Clay		NCM	
15	1	II	50	Dark Yellowish Brown	Clay		NCM	
15	2	I	30	Dark Grayish Brown	Silt Loam		NCM	
15	2	II	47	Grayish Brown	Clay		NCM	
15	3	I	37	Grayish Brown	Silt Loam		NCM	
15	3	II	51	Dark Yellowish Brown	Clay		NCM	
15	4	I	42	Grayish Brown	Silt Loam		NCM	
15	4	II	53	Dark Yellowish Brown	Clay		NCM	
15	5	I	24	Dark Grayish Brown	Silt Loam		NCM	
15	5	II	37	Grayish Brown	Silt Loam		NCM	
16	1	I	12	Grayish Brown	Silty Clay		NCM	
16	1	II	22	Yellowish Brown	Clay		NCM	
16	2	I	29	Grayish Brown	Silt Loam		NCM	
16	2	II	41	Yellowish Brown	Clayey Silt		NCM	
16	3	I	15	Grayish Brown	Silt		NCM	
16	3	II	25	Yellowish Brown	Clay		NCM	
16	4	I	25	Grayish Brown	Silt Loam	Rocks	NCM	
16	4	II	36	Yellowish Brown	Clayey Silt		NCM	
16	5	I	28	Dark Grayish Brown	Silt Loam		NCM	
16	5	II	45	Grayish Brown	Silt Loam		NCM	
17	1	I	43	Grayish Brown	Silt Loam	Roots	NCM	
17	1	II	53	Yellowish Brown	Clay Silt		NCM	
17	2	I	15	Grayish Brown	Silt Loam	Roots	NCM	
17	2	II	25	Yellowish Brown	Silty Clay		NCM	
17	3	I	18	Grayish Brown	Silt Loam		NCM	
17	3	II	28	Yellowish Brown	Silt		NCM	
17	4	I	23	Grayish Brown	Silt Loam		NCM	
17	4	II	33	Yellowish Brown	Silty Clay		NCM	
17	5	I	23	Grayish Brown	Silt Loam		NCM	
17	5	II	33	Yellowish Brown	Silty Clay		NCM	
18	1	I	22	Dark Grayish Brown	Silt Loam		NCM	
18	1	II	43	Dark Yellowish Brown	Silt Loam		NCM	
18	2	I	21	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
18	2	II	40	Grayish Brown	Silt Loam		NCM	
18	3	I	23	Dark Grayish Brown	Silt Loam		NCM	
18	3	II	35	Grayish Brown	Silt Loam		NCM	
18	4	I	26	Dark Grayish Brown	Silt Loam		NCM	
18	4	II	36	Grayish Brown	Silt Loam		NCM	
18	5	I	24	Dark Grayish Brown	Silt Loam		NCM	
18	5	I	31	Grayish Brown	Silt Loam		NCM	
18	5	II	49	Yellowish Brown	Silt Loam		NCM	
18	5	II	42	Light Yellowish Brown	Silty Clay		NCM	
19	1	I	16	Dark Grayish Brown	Silt Loam	Rocks	NCM	
19	1	II	28	Light Yellowish Brown	Silty Clay	Rocks	NCM	
19	2	I	22	Dark Grayish Brown	Silt Loam		NCM	
19	2	II	35	Grayish Brown	Silty Clay		NCM	
19	3	I	15	Dark Grayish Brown	Silt Loam		NCM	
19	3	II	26	Grayish Brown	Silt Loam		NCM	
19	4	I	21	Dark Grayish Brown	Silt Loam		NCM	
19	4	II	31	Grayish Brown	Silty Clay		NCM	
19	5	I	23	Grayish Brown	Silt Loam		NCM	
19	5	II	34	Light Yellowish Brown	Silt Loam		NCM	
20	1	I	16	Dark Grayish Brown	Silt Loam		NCM	
20	1	II	26	Grayish Brown	Clay		NCM	
20	2	I	21	Dark Grayish Brown	Silt Loam		NCM	
20	2	II	31	Dark Yellowish Brown	Silt Loam		NCM	
20	3	I	10	Dark Grayish Brown	Silt Loam		NCM	
20	3	II	20	Grayish Brown	Silty Clay Loam		NCM	
20	4	I	18	Dark Grayish Brown	Silt Loam		NCM	
20	4	II	28	Grayish Brown	Silty Clay Loam		NCM	
20	5	I	25	Grayish Brown	Silt Loam		NCM	
20	5	II	35	Light Yellowish Brown	Silt Loam		NCM	
21	1	I	17	Dark Grayish Brown	Silt Loam		NCM	
21	1	II	38	Grayish Brown	Silty Clay		NCM	
21	2	I	22	Dark Grayish Brown	Silt Loam		NCM	
21	2	II	40	Grayish Brown	Clay		NCM	
21	3	I	21	Dark Grayish Brown	Silt Loam		NCM	
21	3	II	54	Grayish Brown	Clay		NCM	
21	4	I	14	Dark Grayish Brown	Silt Loam		NCM	
21	4	II	39	Grayish Brown	Silt Loam		NCM	
21	5	I	24	Grayish Brown	Silt Loam		NCM	
21	5	II	28	Dark Grayish Brown	Silt Loam		NCM	
22	1	I	4	Dark Grayish Brown	Silt Loam		NCM	
22	1	II	17	Light Yellowish Brown	Silt Loam		NCM	
22	2	I	33	Dark Grayish Brown	Silt Loam		NCM	
22	2	II	43	Grayish Brown	Clay	Rocks	NCM	
22	3	I	22	Grayish Brown	Silt Loam		NCM	
22	3	II	32	Yellowish Brown	Clay		NCM	
22	4	I	23	Dark Grayish Brown	Silt Loam		NCM	
22	4	II	33	Grayish Brown	Clay		NCM	
22	5	I	26	Grayish Brown	Silt Loam		NCM	
22	5	II	37	Light Yellowish Brown	Silt Loam		NCM	
23	1	I	17	Dark Grayish Brown	Silt Loam		NCM	
23	1	II	28	Light Yellowish Brown	Silty Clay		NCM	
23	2	I	16	Dark Grayish Brown	Silt Loam		NCM	
23	2	II	28	Yellowish Brown	Silt Loam		NCM	
23	3	I	18	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
23	3	II	29	Dark Yellowish Brown	Silt Loam		NCM	
23	4	I	19	Dark Grayish Brown	Silt Loam		NCM	
23	4	II	30	Grayish Brown	Silty Clay		NCM	
23	5	I	29	Grayish Brown	Silt Loam		NCM	
23	5	II	43	Light Yellowish Brown	Silt Loam		NCM	
24	1	I	16	Dark Grayish Brown	Silty Clay Loam		NCM	
24	1	II	26	Grayish Brown	Silt Loam		NCM	
24	2	I	15	Dark Grayish Brown	Silty Clay Loam		NCM	
24	2	II	25	Grayish Brown	Silty Clay Loam		NCM	
24	3	I	17	Dark Grayish Brown	Silty Clay Loam		NCM	
24	3	II	27	Grayish Brown	Silty Clay Loam		NCM	
24	4	I	18	Dark Grayish Brown	Silty Clay Loam		NCM	
24	4	II	28	Grayish Brown	Silty Clay Loam		NCM	
24	5	I	24	Grayish Brown	Silt Loam		NCM	
24	5	II	37	Light Yellowish Brown	Silt Loam		NCM	
25	1	I	8	Dark Grayish Brown	Silt Loam		NCM	
25	1	II	52	Dark Yellowish Brown	Clay		NCM	
25	2	I	13	Dark Grayish Brown	Silt Loam		NCM	
25	2	II	50	Grayish Brown	Clay		NCM	
25	3	I	19	Dark Grayish Brown	Silt Loam		NCM	
25	3	II	42	Grayish Brown	Clay		NCM	
25	4	I	22	Dark Grayish Brown	Silt Loam		NCM	
25	4	II	35	Grayish Brown	Clay		NCM	
25	5	I	28	Grayish Brown	Silt Loam		NCM	
25	5	II	41	Light Yellowish Brown	Silt Loam		NCM	
26	1	I	14	Grayish Brown	Silt Loam		NCM	
26	1	II	24	Light Yellowish Brown	Silt Loam		NCM	
26	2	I	22	Grayish Brown	Silt Loam		NCM	
26	2	II	32	Yellowish Brown	Clay Silt		NCM	
26	3	I	16	Dark Grayish Brown	Silt Loam		NCM	
26	3	II	26	Dark Yellowish Brown	Clay		NCM	
26	4	I	23	Grayish Brown	Silt Loam		NCM	
26	4	II	33	Yellowish Brown	Silty Clay		NCM	
26	5	I	24	Grayish Brown	Silt Loam		NCM	
26	5	II	34	Yellowish Brown	Silt Loam		NCM	
27	1	I	14	Dark Grayish Brown	Silt Loam		NCM	
27	1	II	26	Dark Yellowish Brown	Silty Clay		NCM	
27	2	I	25	Dark Grayish Brown	Silt Loam		NCM	
27	2	II	47	Grayish Brown	Clay		NCM	
27	3	I	18	Dark Grayish Brown	Silt Loam		NCM	
27	3	II	29	Grayish Brown	Silt Loam		NCM	
27	4	I	23	Dark Grayish Brown	Silt Loam		NCM	
27	4	II	36	Dark Yellowish Brown	Clay		NCM	
27	5	I	19	Grayish Brown	Silt Loam		NCM	
27	5	II	29	Yellowish Brown	Silt Loam		NCM	
28	1	I	22	Grayish Brown	Silt Loam		NCM	
28	1	II	34	Yellowish Brown	Silt Loam		NCM	
28	2	I	21	Grayish Brown	Silt Loam		NCM	
28	2	II	31	Yellowish Brown	Silt Loam		NCM	
28	2	II	34	Yellowish Brown	Silt Loam		NCM	
28	3	I	22	Grayish Brown	Silt Loam		NCM	
28	3	II	33	Yellowish Brown	Silt Loam		NCM	
28	4	I	23	Grayish Brown	Silt Loam	Roots	NCM	
28	5	I	24	Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
29	1	I	25	Grayish Brown	Silt Loam		NCM	
29	1	II	35	Yellowish Brown	Silt Loam		NCM	
29	2	I	34	Grayish Brown	Silt Loam		NCM	
29	2	II	43	Yellowish Brown	Silt Loam		NCM	
29	3	I	26	Grayish Brown	Silt Loam		NCM	
29	3	II	36	Yellowish Brown	Silt Loam		NCM	
29	4	I	29	Grayish Brown	Silt Loam		NCM	
29	4	II	39	Yellowish Brown	Silt Loam		NCM	
29	5	I	29	Grayish Brown	Silt Loam		NCM	
29	5	II	39	Yellowish Brown	Silt Loam		NCM	
30	1	I	37	Grayish Brown	Silt Loam		NCM	
30	1	II	47	Yellowish Brown	Silt Loam		NCM	
30	2	I	29	Grayish Brown	Silt Loam		NCM	
30	2	II	39	Light Yellowish Brown	Silt Loam		NCM	
30	3	I	30	Grayish Brown	Silt Loam		NCM	
30	3	II	41	Light Yellowish Brown	Silt Loam		NCM	
30	4	I	32	Grayish Brown	Silt Loam		NCM	
30	4	II	42	Light Yellowish Brown	Silt Loam		NCM	
30	5	I	36	Grayish Brown	Silt Loam		NCM	
30	5	II	46	Light Yellowish Brown	Silt Loam		NCM	
31	1	I	25	Grayish Brown	Silt Loam		NCM	
31	1	II	40	Light Yellowish Brown	Silt Loam		NCM	
31	2	I	28	Grayish Brown	Silt Loam		NCM	
31	2	II	38	Light Yellowish Brown	Silty Clay		NCM	
31	3	I	25	Grayish Brown	Silt Loam		NCM	
31	3	II	37	Light Yellowish Brown	Silt Loam		NCM	
31	4	I	26	Grayish Brown	Silt Loam		NCM	
31	4	II	36	Light Yellowish Brown	Silt Loam		NCM	
31	5	I	34	Grayish Brown	Silt Loam		NCM	
31	5	II	44	Light Yellowish Brown	Silt Loam		NCM	
32	1	I	24	Grayish Brown	Silt Loam		NCM	
32	1	II	34	Light Yellowish Brown	Silt Loam		NCM	
32	2	I	30	Grayish Brown	Silt Loam		NCM	
32	2	II	42	Light Yellowish Brown	Silt Loam		NCM	
32	3	I	29	Grayish Brown	Silt Loam		NCM	
32	3	II	40	Light Yellowish Brown	Silt Loam		NCM	
32	4	I	27	Grayish Brown	Silt Loam		NCM	
32	4	II	39	Light Yellowish Brown	Silt Loam		NCM	
32	5	I	28	Grayish Brown	Silt Loam		NCM	
32	5	II	38	Light Yellowish Brown	Silt Loam		NCM	
33	1	I	28	Grayish Brown	Silt Loam		NCM	
33	1	II	38	Light Yellowish Brown	Silt Loam		NCM	
33	2	I	27	Grayish Brown	Silt Loam		NCM	
33	2	II	37	Light Yellowish Brown	Silt Loam		NCM	
33	3	I	30	Grayish Brown	Silt Loam		NCM	
33	3	II	40	Light Yellowish Brown	Silt Loam		NCM	
33	4	I	16	Grayish Brown	Silt Loam		NCM	
33	4	II	38	Grayish Brown	Silt Loam		NCM	
33	4	II	27	Light Yellowish Brown	Silty Clay		NCM	
33	5	I	16	Dark Grayish Brown	Silt Loam		NCM	
33	5	I	22	Grayish Brown	Silt Loam		NCM	
33	5	II	33	Light Yellowish Brown	Silt Loam		NCM	
34	1	I	50	Grayish Brown	Silt Loam		NCM	
34	2	I	28	Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
34	2	II	38	Light Yellowish Brown	Silt Loam		NCM	
34	3	I	28	Grayish Brown	Silt Loam		NCM	
34	3	II	38	Light Yellowish Brown	Silt Loam		NCM	
34	4	I	21	Grayish Brown	Silt Loam		NCM	
34	4	II	32	Light Yellowish Brown	Silt Loam		NCM	
34	5	I	20	Grayish Brown	Silt Loam		NCM	
34	5	II	30	Light Yellowish Brown	Silt Loam		NCM	
35	1	I	20	Grayish Brown	Loam		NCM	
35	1	II	32	Light Yellowish Brown	Loam		NCM	
35	2	I	29	Grayish Brown	Loam		NCM	
35	2	II	39	Light Yellowish Brown	Loam		NCM	
35	3	I	31	Grayish Brown	Loam		NCM	
35	3	II	41	Light Yellowish Brown	Loam		NCM	
35	4	I	21	Grayish Brown	Silt Loam		NCM	
35	4	II	31	Yellowish Brown	Silt Loam		NCM	
35	5	I	41	Grayish Brown	Silt Loam		NCM	
35	5	II	51	Light Yellowish Brown	Silt Loam		NCM	
36	1	I	31	Grayish Brown	Silt Loam		NCM	
36	1	II	41	Yellowish Brown	Silt Loam		NCM	
36	2	I	24	Grayish Brown	Silt Loam		NCM	
36	2	II	34	Yellowish Brown	Silt Loam		NCM	
36	3	I	32	Grayish Brown	Silt Loam		NCM	
36	3	II	42	Light Yellowish Brown	Silt Loam		1 wire nail	
36	4	I	34	Grayish Brown	Silt Loam		NCM	
36	4	II	44	Light Yellowish Brown	Silt Loam		NCM	
36	5	I	17	Grayish Brown	Silt Loam		NCM	
36	5	II	28	Light Yellowish Brown	Silt Loam		NCM	
37	1	I	7	Grayish Brown	Silt Loam		NCM	
37	1	II	31	Light Yellowish Brown	Silt Loam		NCM	
37	2	I	27	Grayish Brown	Silt Loam		NCM	
37	2	II	38	Light Yellowish Brown	Silt Loam		NCM	
37	3	I	23	Grayish Brown	Silt Loam		NCM	
37	3	II	33	Light Yellowish Brown	Silt Loam		NCM	
37	4	I	15	Grayish Brown	Silt Loam		NCM	
37	4	II	25	Light Yellowish Brown	Silt Loam		NCM	
37	5	I	17	Grayish Brown	Silt Loam		NCM	
37	5	II	28	Light Yellowish Brown	Silt Loam		NCM	
37	6	I	18	Grayish Brown	Silt Loam		NCM	
37	6	II	32	Light Yellowish Brown	Silt Loam		NCM	
37	7	I	17	Grayish Brown	Silt Loam		NCM	
37	7	II	31	Light Yellowish Brown	Silt Loam		NCM	
37	8	I	21	Grayish Brown	Silt Loam		NCM	
37	8	II	31	Light Yellowish Brown	Silt Loam		NCM	
37	9	I	41	Grayish Brown	Silt Loam		NCM	
37	9	II	51	Light Yellowish Brown	Silt Loam		NCM	
37	10	I	17	Grayish Brown	Silt Loam		NCM	
37	10	II	31	Light Yellowish Brown	Silt Loam		NCM	
37	11	I	21	Grayish Brown	Silt Loam		NCM	
37	11	II	33	Light Yellowish Brown	Silt Loam		NCM	
37	12	I	21	Grayish Brown	Silt Loam		NCM	
37	12	II	32	Light Yellowish Brown	Silt Loam		NCM	
37	13	I	25	Grayish Brown	Silt Loam		NCM	
37	13	II	37	Light Yellowish Brown	Silt Loam		NCM	
37	14	I	26	Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
37	14	II	36	Light Yellowish Brown	Silt Loam		NCM	
37	15	I	26	Grayish Brown	Silt Loam		NCM	
37	15	II	36	Light Yellowish Brown	Silt Loam		NCM	
38	1	I	32	Grayish Brown	Silt Loam		NCM	
38	1	II	44	Light Yellowish Brown	Silt Loam		NCM	
38	2	I	21	Grayish Brown	Silt Loam		NCM	
38	2	II	31	Light Yellowish Brown	Silt Loam		NCM	
38	3	I	21	Grayish Brown	Silt Loam		NCM	
38	3	II	34	Light Yellowish Brown	Silt Loam		NCM	
38	4	I	24	Grayish Brown	Silt Loam		NCM	
38	4	II	34	Light Yellowish Brown	Silt Loam		NCM	
38	5	I	18	Grayish Brown	Silt Loam		NCM	
38	5	II	29	Light Yellowish Brown	Silt Loam		NCM	
38	6	I	22	Grayish Brown	Silt Loam		NCM	
38	6	II	32	Light Yellowish Brown	Silt Loam		NCM	
38	7	I	23	Grayish Brown	Silt Loam		NCM	
38	7	II	33	Light Yellowish Brown	Silt Loam		NCM	
38	8	I	21	Grayish Brown	Silt Loam		NCM	
38	8	II	33	Light Yellowish Brown	Silt Loam		NCM	
38	9	I	27	Grayish Brown	Silt Loam		NCM	
38	9	II	38	Light Yellowish Brown	Silt Loam		NCM	
38	10	I	28	Grayish Brown	Silt Loam		NCM	
38	10	II	42	Light Yellowish Brown	Silt Loam		NCM	
38	11	I	28	Grayish Brown	Silt Loam		NCM	
38	11	II	38	Light Yellowish Brown	Silt Loam		NCM	
38	12	I	27	Grayish Brown	Silt Loam		NCM	
38	12	II	37	Light Yellowish Brown	Silt Loam		NCM	
38	13	I	37	Grayish Brown	Silt Loam		NCM	
38	13	II	47	Light Yellowish Brown	Silt Loam		NCM	
38	14	I	35	Grayish Brown	Silt Loam		NCM	
38	14	II	125	Light Yellowish Brown	Silt Loam		NCM	
38	15	I	36	Grayish Brown	Silt Loam		NCM	
38	15	II	46	Light Yellowish Brown	Silt Loam		NCM	
39	1	I	27	Grayish Brown	Silt Loam		NCM	
39	1	II	37	Light Yellowish Brown	Silt Loam		NCM	
39	2	I	31	Grayish Brown	Silt Loam		NCM	
39	2	II	41	Light Yellowish Brown	Silt Loam		NCM	
39	3	I	25	Grayish Brown	Silt Loam		NCM	
39	3	II	35	Light Yellowish Brown	Silt Loam		NCM	
39	4	I	27	Grayish Brown	Silt Loam		NCM	
39	4	II	38	Light Yellowish Brown	Silt Loam		NCM	
39	5	I	20	Grayish Brown	Silt Loam		NCM	
39	5	II	30	Light Yellowish Brown	Silt Loam		NCM	
39	6	I	40	Grayish Brown	Silt Loam		NCM	
39	6	II	50	Light Yellowish Brown	Silt Loam		NCM	
39	7	I	17	Grayish Brown	Silt Loam		NCM	
39	7	II	27	Light Yellowish Brown	Silt Loam		NCM	
39	8	I	25	Grayish Brown	Silt Loam		NCM	
39	8	II	37	Light Yellowish Brown	Silt Loam		NCM	
39	9	I	27	Grayish Brown	Silt Loam		NCM	
39	9	II	37	Light Yellowish Brown	Silt Loam		NCM	
39	10	I	29	Grayish Brown	Silt Loam		NCM	
39	10	II	39	Light Yellowish Brown	Silt Loam		NCM	
39	11	I	21	Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
39	11	II	31	Light Yellowish Brown	Silt Loam		NCM	
39	12	I	32	Grayish Brown	Silt Loam		NCM	
39	12	II	42	Light Yellowish Brown	Silt Loam		NCM	
39	13	I	32	Grayish Brown	Silt Loam		NCM	
39	13	II	43	Light Yellowish Brown	Silt Loam		NCM	
39	14	I	20	Grayish Brown	Silt Loam		NCM	
39	14	II	30	Light Yellowish Brown	Silt Loam		NCM	
39	15	I	31	Grayish Brown	Silt Loam		NCM	
39	15	II	41	Light Yellowish Brown	Silt Loam		NCM	
40	1	I	30	Grayish Brown	Silt Loam		NCM	
40	1	II	40	Light Yellowish Brown	Silt Loam		NCM	
40	2	I	29	Grayish Brown	Silt Loam		NCM	
40	2	II	39	Light Yellowish Brown	Silt Loam		NCM	
40	3	I	28	Grayish Brown	Silt Loam		NCM	
40	3	II	39	Light Yellowish Brown	Silt Loam		NCM	
40	4	I	17	Grayish Brown	Silt Loam		NCM	
40	4	II	27	Light Yellowish Brown	Silt Loam		NCM	
40	5	I	31	Grayish Brown	Silt Loam		NCM	
40	5	II	41	Light Yellowish Brown	Silt Loam		NCM	
40	6	II	39	Light Yellowish Brown	Silt Loam		NCM	
40	7	I	32	Grayish Brown	Silt Loam		NCM	
40	7	II	42	Light Yellowish Brown	Silt Loam		NCM	
40	8	I	21	Grayish Brown	Silt Loam		NCM	
40	8	II	32	Light Yellowish Brown	Silt Loam		NCM	
40	9	I	29	Grayish Brown	Silt Loam		NCM	
40	9	II	39	Light Yellowish Brown	Silt Loam		NCM	
40	10	I	25	Grayish Brown	Silt Loam		NCM	
40	10	II	36	Light Yellowish Brown	Silt Loam		NCM	
40	11	I	17	Grayish Brown	Silt Loam		NCM	
40	11	II	38	Light Yellowish Brown	Silt Loam		NCM	
40	12	I	33	Grayish Brown	Silt Loam		NCM	
40	12	II	43	Light Yellowish Brown	Silt Loam		NCM	
40	13	I	19	Grayish Brown	Silt Loam		NCM	
40	13	II	29	Light Yellowish Brown	Silt Loam		NCM	
40	14	I	17	Grayish Brown	Silt Loam		NCM	
40	14	II	31	Grayish Brown	Silt Loam		NCM	
40	15	I	21	Grayish Brown	Silt Loam		NCM	
40	15	II	32	Light Yellowish Brown	Silty Clay		NCM	
41	1	I	32	Grayish Brown	Silt Loam		NCM	
41	1	II	42	Light Yellowish Brown	Silty Clay		NCM	
41	2	I	23	Grayish Brown	Silt Loam		NCM	
41	2	II	33	Light Yellowish Brown	Silty Clay		NCM	
41	3	I	35	Grayish Brown	Silt Loam		NCM	
41	3	II	45	Light Yellowish Brown	Silt Loam		NCM	
41	4	I	28	Grayish Brown	Silt Loam		NCM	
41	4	II	38	Light Yellowish Brown	Silt Loam		NCM	
41	5	I	23	Grayish Brown	Silt Loam		NCM	
41	5	II	33	Light Yellowish Brown	Silty Clay		NCM	
41	6	I	26	Grayish Brown	Silt Loam		NCM	
41	6	II	36	Light Yellowish Brown	Silt Loam		NCM	
41	7	I	23	Grayish Brown	Silt Loam		NCM	
41	7	II	34	Grayish Brown	Silt Loam		NCM	
41	8	I	24	Grayish Brown	Silt Loam		NCM	
41	8	II	34	Light Yellowish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
41	9	I	29	Grayish Brown	Silt Loam		NCM	
41	9	II	39	Light Yellowish Brown	Silty Clay		NCM	
41	10	I	20	Grayish Brown	Silt Loam		NCM	
41	10	II	30	Light Yellowish Brown	Silt Loam		NCM	
41	11	I	15	Grayish Brown	Silt Loam		NCM	
41	11	II	26	Light Yellowish Brown	Silty Clay		NCM	
41	12	I	28	Grayish Brown	Silt Loam		NCM	
41	12	II	38	Light Yellowish Brown	Silt Loam		NCM	
41	13	I	21	Grayish Brown	Silt Loam		NCM	
41	13	II	31	Grayish Brown	Silty Clay		NCM	
41	14	I	50	Grayish Brown	Silt Loam		NCM	
41	15	I	32	Grayish Brown	Silt Loam		NCM	
41	15	II	42	Light Yellowish Brown	Silt Loam		NCM	
42	1	I	31	Grayish Brown	Silt Loam		NCM	
42	1	II	42	Light Yellowish Brown	Silty Clay		NCM	
42	2	I	32	Grayish Brown	Silt Loam		NCM	
42	2	II	42	Light Yellowish Brown	Silt Loam		NCM	
42	3	I	22	Grayish Brown	Silt Loam		NCM	
42	3	II	33	Light Yellowish Brown	Silty Clay		NCM	
42	4	I	28	Grayish Brown	Silt Loam		NCM	
42	4	II	38	Light Yellowish Brown	Silt Loam		NCM	
42	5	I	23	Grayish Brown	Silt Loam		NCM	
42	5	II	36	Light Yellowish Brown	Silty Clay		NCM	
42	6	I	26	Grayish Brown	Silt Loam		NCM	
42	6	II	37	Light Yellowish Brown	Silt Loam		NCM	
42	7	I	27	Grayish Brown	Silt Loam		NCM	
42	7	II	37	Light Yellowish Brown	Silt Loam		NCM	
42	8	I	22	Grayish Brown	Silt Loam		NCM	
42	8	II	34	Light Yellowish Brown	Silt Loam		NCM	
42	9	I	29	Grayish Brown	Silt Loam		NCM	
42	9	I	39	Light Yellowish Brown	Silt Loam		NCM	
42	10	I	31	Grayish Brown	Silt Loam		NCM	
42	10	II	41	Light Yellowish Brown	Silt Loam		NCM	
42	11	I	33	Grayish Brown	Silt Loam		NCM	
42	11	II	44	Light Yellowish Brown	Silt Loam		NCM	
42	12	I	42	Grayish Brown	Silt Loam		NCM	
42	12	II	52	Light Yellowish Brown	Silt Loam		NCM	
42	13	I	34	Grayish Brown	Silt Loam		NCM	
42	13	II	44	Light Yellowish Brown	Silt Loam		NCM	
42	14	I	33	Grayish Brown	Silt Loam		NCM	
42	14	II	43	Light Yellowish Brown	Silt Loam		NCM	
42	15	I	27	Grayish Brown	Silt Loam		NCM	
42	15	II	37	Light Yellowish Brown	Silt Loam		NCM	
43	1	I	21	Grayish Brown	Silt Loam		NCM	
43	1	II	31	Light Yellowish Brown	Silt Loam		NCM	
43	2	I	24	Grayish Brown	Silt Loam		NCM	
43	2	II	38	Light Yellowish Brown	Silt Loam		NCM	
43	3	I	31	Grayish Brown	Silt Loam		NCM	
43	3	II	41	Light Yellowish Brown	Silt Loam		NCM	
43	4	I	31	Grayish Brown	Silt Loam		NCM	
43	4	II	41	Light Yellowish Brown	Silt Loam		NCM	
43	5	I	28	Grayish Brown	Silt Loam		NCM	
43	5	II	51	Light Yellowish Brown	Silt Loam		NCM	
43	6	I	29	Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
43	6	II	40	Light Yellowish Brown	Silt Loam		NCM	
43	7	I	26	Grayish Brown	Silt Loam		NCM	
43	7	II	38	Light Yellowish Brown	Silt Loam		NCM	
43	8	I	22	Grayish Brown	Silt Loam		NCM	
43	8	II	33	Light Yellowish Brown	Silt Loam		NCM	
43	9	I	23	Grayish Brown	Silt Loam		NCM	
43	9	II	33	Light Yellowish Brown	Silt Loam		NCM	
43	10	I	31	Grayish Brown	Silt Loam		NCM	
43	10	II	43	Light Yellowish Brown	Silt Loam		NCM	
43	11	I	30	Grayish Brown	Silt Loam		NCM	
43	11	II	40	Light Yellowish Brown	Silt Loam		NCM	
43	12	I	31	Grayish Brown	Silt Loam		NCM	
43	12	II	41	Light Yellowish Brown	Silt Loam		NCM	
43	13	I	29	Grayish Brown	Silt Loam		NCM	
43	13	II	41	Light Yellowish Brown	Silt Loam		NCM	
43	14	I	31	Grayish Brown	Silt Loam		NCM	
43	14	II	43	Light Yellowish Brown	Silt Loam		NCM	
43	15	I	31	Grayish Brown	Silt Loam		NCM	
43	15	II	41	Light Yellowish Brown	Silt Loam		NCM	
44	1	I	32	Grayish Brown	Silt Loam		NCM	
44	1	II	42	Light Yellowish Brown	Silt Loam		NCM	
44	2	I	39	Grayish Brown	Silt Loam		NCM	
44	2	II	49	Light Yellowish Brown	Loam		NCM	
44	3	I	17	Grayish Brown	Silt Loam		NCM	
44	3	II	28	Light Yellowish Brown	Silt Loam		NCM	
44	4	I	31	Grayish Brown	Silt Loam		NCM	
44	4	II	43	Light Yellowish Brown	Silt Loam		NCM	
44	5	I	26	Grayish Brown	Silt Loam		NCM	
44	5	II	36	Light Yellowish Brown	Silt Loam		NCM	
44	6	I	28	Grayish Brown	Silt Loam		NCM	
44	6	II	39	Light Yellowish Brown	Silt Loam		NCM	
44	7	I	27	Grayish Brown	Silt Loam		NCM	
44	7	II	39	Light Yellowish Brown	Silt Loam		NCM	
44	8	I	31	Grayish Brown	Silt Loam		NCM	
44	8	II	42	Light Yellowish Brown	Silt Loam		NCM	
44	9	I	26	Grayish Brown	Silt Loam		NCM	
44	9	II	36	Light Yellowish Brown	Silt Loam		NCM	
44	10	I	36	Grayish Brown	Silt Loam		NCM	
44	10	II	46	Light Yellowish Brown	Silt Loam		NCM	
44	11	I	31	Grayish Brown	Silt Loam		NCM	
44	11	II	43	Light Yellowish Brown	Silt Loam		NCM	
44	12	I	29	Grayish Brown	Silt Loam		NCM	
44	12	II	39	Light Yellowish Brown	Silt Loam		NCM	
44	13	I	26	Grayish Brown	Silt Loam		NCM	
44	13	II	36	Light Yellowish Brown	Silt Loam		NCM	
44	14	I	22	Grayish Brown	Silt Loam		NCM	
44	14	II	32	Light Yellowish Brown	Silt Loam		NCM	
44	15	I	22	Grayish Brown	Silt Loam		NCM	
44	15	II	33	Light Yellowish Brown	Silt Loam		NCM	
45	1	I	30	Grayish Brown	Silt Loam		NCM	
45	1	II	40	Light Yellowish Brown	Silt Loam		NCM	
45	2	I	22	Grayish Brown	Silt Loam		NCM	
45	2	II	35	Light Yellowish Brown	Silt Loam		NCM	
45	3	I	35	Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
45	3	II	45	Light Yellowish Brown	Silt Loam		NCM	
45	4	I	28	Grayish Brown	Silt Loam		NCM	
45	4	II	238	Light Yellowish Brown	Silt Loam		NCM	
45	5	I	33	Grayish Brown	Silt Loam		NCM	
45	5	II	43	Light Yellowish Brown	Silt Loam		NCM	
45	6	I	30	Grayish Brown	Silt Loam		NCM	
45	6	II	40	Light Yellowish Brown	Silt Loam		NCM	
45	7	I	27	Grayish Brown	Silt Loam		NCM	
45	7	II	39	Light Yellowish Brown	Silt Loam		NCM	
45	8	I	34	Grayish Brown	Silt Loam		NCM	
45	8	II	44	Light Yellowish Brown	Silt Loam		NCM	
45	9	I	29	Grayish Brown	Silt Loam		NCM	
45	9	II	41	Light Yellowish Brown	Silt Loam		NCM	
45	10	I	27	Grayish Brown	Silt Loam		NCM	
45	10	II	40	Light Yellowish Brown	Silt Loam		NCM	
45	11	I	27	Grayish Brown	Silt Loam		NCM	
45	11	II	32	Light Yellowish Brown	Silt Loam		NCM	
45	12	I	25	Grayish Brown	Silt Loam		NCM	
45	12	II	36	Light Yellowish Brown	Silt Loam		NCM	
45	13	I	27	Grayish Brown	Silt Loam		NCM	
45	13	II	37	Light Yellowish Brown	Silt Loam		NCM	
45	14	I	29	Grayish Brown	Silt Loam		NCM	
45	14	II	39	Light Yellowish Brown	Silt Loam		NCM	
45	15	I	29	Grayish Brown	Silt Loam		NCM	
45	15	II	39	Light Yellowish Brown	Silt Loam		NCM	
46	1	I	29	Grayish Brown	Silt Loam		NCM	
46	1	II	39	Light Yellowish Brown	Silt Loam		NCM	
46	2	I	28	Grayish Brown	Silt Loam		NCM	
46	2	II	38	Light Yellowish Brown	Silt Loam		NCM	
46	3	I	27	Grayish Brown	Silt Loam		NCM	
46	3	II	37	Light Yellowish Brown	Silt Loam		NCM	
46	4	I	28	Grayish Brown	Silt Loam		NCM	
46	4	II	38	Light Yellowish Brown	Silt Loam		NCM	
46	5	I	26	Grayish Brown	Silt Loam		NCM	
46	5	II	37	Light Yellowish Brown	Silt Loam		NCM	
46	6	I	28	Grayish Brown	Silt Loam		NCM	
46	6	II	38	Light Yellowish Brown	Silt Loam		NCM	
46	7	I	21	Grayish Brown	Silt Loam		NCM	
46	7	II	31	Light Yellowish Brown	Silt Loam		NCM	
46	8	I	21	Grayish Brown	Silt Loam		NCM	
46	8	II	31	Light Yellowish Brown	Silt Loam		NCM	
46	9	I	72	Grayish Brown	Silt Loam		NCM	
46	10	I	23	Grayish Brown	Silt Loam		NCM	
46	10	II	33	Light Yellowish Brown	Silt Loam		NCM	
46	11	I	29	Grayish Brown	Silt Loam		NCM	
46	11	II	43	Light Yellowish Brown	Silt Loam		NCM	
46	12	I	26	Grayish Brown	Silt Loam		NCM	
46	12	II	39	Light Yellowish Brown	Silt Loam		NCM	
46	13	I	32	Grayish Brown	Silt Loam		NCM	
46	13	II	44	Light Yellowish Brown	Silt Loam		NCM	
46	14	I	27	Grayish Brown	Silt Loam		NCM	
46	14	II	38	Light Yellowish Brown	Silty Clay		NCM	
46	15	I	34	Grayish Brown	Silt Loam		NCM	
46	15	II	44	Light Yellowish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
47	1	I	20	Grayish Brown	Silt Loam		NCM	
47	1	II	33	Light Yellowish Brown	Silt Loam		NCM	
47	2	I	42	Grayish Brown	Silt Loam		NCM	
47	2	II	52	Light Yellowish Brown	Silt Loam		NCM	
47	3	I	47	Grayish Brown	Silt Loam		NCM	
47	3	II	57	Grayish Brown	Silt Loam		NCM	
47	4	I	30	Grayish Brown	Silt Loam		NCM	
47	4	II	42	Light Yellowish Brown	Silt Loam		NCM	
47	5	I	28	Grayish Brown	Silt Loam		NCM	
47	5	II	44	Light Yellowish Brown	Silt Loam		NCM	
47	6	I	21	Grayish Brown	Silt Loam		NCM	
47	6	II	34	Light Yellowish Brown	Silt Loam		NCM	
47	7	I	25	Grayish Brown	Silt Loam		NCM	
47	7	II	35	Light Yellowish Brown	Silt Loam		NCM	
47	8	I	30	Grayish Brown	Silt Loam		NCM	
47	8	II	41	Light Yellowish Brown	Silt Loam		NCM	
47	9	I	27	Grayish Brown	Silt Loam		NCM	
47	9	II	37	Light Yellowish Brown	Silt Loam		NCM	
47	10	I	29	Grayish Brown	Silt Loam		NCM	
47	10	II	40	Light Yellowish Brown	Silt Loam		NCM	
47	11	I	23	Grayish Brown	Silt Loam		NCM	
47	11	II	33	Light Yellowish Brown	Silt Loam		NCM	
47	12	I	28	Grayish Brown	Silt Loam		NCM	
47	12	II	38	Light Yellowish Brown	Silt Loam		NCM	
47	13	I	25	Grayish Brown	Silt Loam		NCM	
47	13	II	40	Light Yellowish Brown	Silt Loam		NCM	
47	14	I	31	Grayish Brown	Silt Loam		NCM	
47	14	II	41	Light Yellowish Brown	Silt Loam		NCM	
47	15	I	22	Grayish Brown	Silt Loam		NCM	
47	15	II	33	Light Yellowish Brown	Silt Loam		NCM	
48	1	I	20	Grayish Brown	Silt Loam		NCM	
48	1	II	32	Light Yellowish Brown	Silt Loam		NCM	
48	2	I	21	Grayish Brown	Silt Loam		NCM	
48	2	II	31	Light Yellowish Brown	Silt Loam		NCM	
48	3	I	27	Grayish Brown	Silt Loam		NCM	
48	3	II	52	Light Yellowish Brown	Silt Loam		NCM	
48	4	I	26	Grayish Brown	Silt Loam		NCM	
48	4	II	40	Light Yellowish Brown	Silt Loam		NCM	
48	5	I	27	Grayish Brown	Silt Loam		NCM	
48	5	II	38	Light Yellowish Brown	Silt Loam		NCM	
48	6	I	30	Grayish Brown	Silt Loam		NCM	
48	6	II	40	Light Yellowish Brown	Silt Loam		NCM	
48	7	I	30	Grayish Brown	Silt Loam		NCM	
48	7	II	40	Light Yellowish Brown	Silt Loam		NCM	
48	8	I	31	Grayish Brown	Silt Loam		NCM	
48	8	II	48	Light Yellowish Brown	Silt Loam		NCM	
48	9	I	29	Grayish Brown	Silt Loam		NCM	
48	9	II	39	Light Yellowish Brown	Silt Loam		NCM	
48	10	I	27	Grayish Brown	Silt Loam		NCM	
48	10	II	37	Light Yellowish Brown	Silt Loam		NCM	
48	11	I	25	Grayish Brown	Silt Loam		NCM	
48	11	II	35	Light Yellowish Brown	Silt Loam		NCM	
48	12	I	27	Grayish Brown	Silt Loam		NCM	
48	12	II	39	Light Yellowish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
48	13	I	21	Grayish Brown	Silt Loam		NCM	
48	13	II	31	Light Yellowish Brown	Silt Loam		NCM	
48	14	I	27	Grayish Brown	Silt Loam		NCM	
48	14	II	37	Light Yellowish Brown	Silt Loam		NCM	
48	15	I	34	Grayish Brown	Silt Loam		NCM	
48	15	II	44	Light Yellowish Brown	Silt Loam		NCM	
49	1	I	22	Dark Grayish Brown	Silt Loam		NCM	
49	1	II	53	Yellowish Brown	Silt Loam		NCM	
49	2	I	34	Dark Grayish Brown	Silt Loam		NCM	
49	2	II	57	Grayish Brown	Silt Loam		NCM	
49	3	I	32	Dark Grayish Brown	Silt Loam		NCM	
49	3	II	47	Light Yellowish Brown	Silt Loam		NCM	
49	4	I	28	Dark Grayish Brown	Silt Loam		NCM	
49	4	II	45	Grayish Brown	Silt Loam		NCM	
49	5	I	29	Dark Grayish Brown	Silt Loam		NCM	
49	5	II	42	Grayish Brown	Silt Loam		NCM	
49	6	I	22	Dark Grayish Brown	Silt Loam		NCM	
49	6	II	37	Grayish Brown	Silt Loam		NCM	
49	7	I	12	Dark Grayish Brown	Silt Loam		NCM	
49	7	II	49	Dark Yellowish Brown	Silt Loam		NCM	
49	8	I	12	Dark Grayish Brown	Silt Loam		NCM	
49	8	II	39	Dark Yellowish Brown	Sand		NCM	
49	9	I	24	Dark Grayish Brown	Silt Loam		NCM	
49	9	II	48	Grayish Brown	Silt Loam		NCM	
49	10	I	28	Dark Grayish Brown	Silt Loam		NCM	
49	10	II	42	Grayish Brown	Silt Loam	Rocks	NCM	Rock Impasse
49	11	I	32	Dark Grayish Brown	Silt Loam		NCM	
49	11	II	53	Grayish Brown	Silt Loam		NCM	
49	12	I	36	Dark Grayish Brown	Silty Clay Loam		NCM	
49	12	II	48	Grayish Brown	Silt Loam		NCM	
49	13	I	31	Dark Grayish Brown	Silt Loam		NCM	
49	13	II	42	Grayish Brown	Silt Loam		NCM	
49	14	I	34	Dark Grayish Brown	Silt Loam		NCM	
49	14	II	56	Grayish Brown	Silt Loam		NCM	
49	15	I	26	Dark Grayish Brown	Silt Loam		NCM	
49	15	II	47	Grayish Brown	Silt Loam		NCM	
50	1	I	31	Dark Grayish Brown	Silt Loam		NCM	
50	1	II	45	Grayish Brown	Silty Clay Loam		NCM	
50	2	I	29	Dark Grayish Brown	Silt Loam		NCM	
50	2	II	46	Dark Yellowish Brown	Silty Clay Loam		NCM	
50	3	I	26	Dark Grayish Brown	Silt Loam		NCM	
50	3	II	42	Grayish Brown	Silt Loam		NCM	
50	4	I	34	Dark Grayish Brown	Silt Loam		NCM	
50	4	II	47	Grayish Brown	Silt Loam		NCM	
50	5	I	38	Dark Grayish Brown	Silt Loam		NCM	
50	5	II	56	Grayish Brown	Silt Loam		NCM	
50	6	I	34	Dark Grayish Brown	Silt Loam		NCM	
50	6	II	58	Grayish Brown	Silt Loam		NCM	
50	7	II	32	Dark Grayish Brown	Silt Loam		NCM	
50	7	II	53	Grayish Brown	Silt Loam		NCM	
50	8	I	31	Dark Grayish Brown	Silt Loam		NCM	
50	8	II	41	Grayish Brown	Silt Loam		NCM	
50	9	I	24	Dark Grayish Brown	Silt Loam		NCM	
50	9	II	45	Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
50	10	I	30	Dark Grayish Brown	Silt Loam		NCM	
50	10	II	48	Grayish Brown	Silt Loam		NCM	
50	11	I	26	Dark Grayish Brown	Silt Loam		NCM	
50	11	II	48	Grayish Brown	Silty Clay Loam		NCM	
50	12	I	27	Dark Grayish Brown	Silt Loam		NCM	
50	12	II	42	Grayish Brown	Silty Clay Loam		NCM	
50	13	I	34	Dark Grayish Brown	Silt Loam		NCM	
50	13	II	47	Grayish Brown	Silt Loam		NCM	
50	14	I	15	Dark Grayish Brown	Silt Loam		NCM	
50	14	II	28	Grayish Brown	Silt Loam		NCM	
50	15	I	24	Dark Grayish Brown	Silt Loam		NCM	
50	15	II	47	Grayish Brown	Silt Loam		NCM	
51	1	I	24	Dark Grayish Brown	Silt Loam		NCM	
51	1	II	43	Grayish Brown	Silt Loam		NCM	
51	2	I	48	Dark Grayish Brown	Silt Loam		NCM	
51	2	II	59	Grayish Brown	Silt Loam		NCM	
51	3	I	25	Dark Grayish Brown	Silt Loam		NCM	
51	3	II	52	Grayish Brown	Silt Loam		NCM	
51	4	I	33	Dark Grayish Brown	Silt Loam		NCM	
51	4	II	46	Grayish Brown	Silt Loam		NCM	
51	5	I	37	Dark Grayish Brown	Silt Loam		NCM	
51	5	II	48	Grayish Brown	Silt Loam		NCM	
51	6	I	36	Dark Grayish Brown	Silt Loam		NCM	
51	6	II	46	Grayish Brown	Silt Loam		NCM	
51	7	I	34	Dark Grayish Brown	Silt Loam		NCM	
51	7	II	51	Grayish Brown	Silt Loam		NCM	
51	8	I	33	Dark Grayish Brown	Silt Loam		NCM	
51	8	II	44	Grayish Brown	Silt Loam		NCM	
51	9	I	31	Dark Grayish Brown	Silt Loam		NCM	
51	9	II	53	Grayish Brown	Silt Loam		NCM	
51	10	I	27	Dark Grayish Brown	Silt Loam		NCM	
51	10	II	39	Dark Yellowish Brown	Silt Loam		NCM	
51	11	I	21	Dark Grayish Brown	Silt Loam		NCM	
51	11	II	47	Dark Yellowish Brown	Silt Loam		NCM	
51	12	I	27	Dark Grayish Brown	Silt Loam		NCM	
51	12	II	48	Dark Yellowish Brown	Silt Loam		NCM	
51	13	I	27	Dark Grayish Brown	Silty Clay Loam		NCM	
51	13	II	40	Grayish Brown	Silt Loam		NCM	
51	14	I	23	Dark Grayish Brown	Silt Loam		NCM	
51	14	II	47	Grayish Brown	Silt Loam		NCM	
51	15	I	21	Dark Grayish Brown	Silt Loam		NCM	
51	15	II	35	Dark Yellowish Brown	Silt Loam		NCM	
52	1	I	33	Dark Grayish Brown	Silt Loam		NCM	
52	1	I	32	Dark Grayish Brown	Silt Loam		NCM	
52	1	II	45	Grayish Brown	Silt Loam		NCM	
52	1	II	52	Grayish Brown	Silt Loam		NCM	
52	2	I	33	Dark Grayish Brown	Silt Loam		NCM	
52	2	II	54	Grayish Brown	Silt Loam		NCM	
52	3	I	26	Dark Grayish Brown	Silt Loam		NCM	
52	3	II	47	Grayish Brown	Silt Loam		NCM	
52	4	I	22	Dark Grayish Brown	Silt Loam		NCM	
52	4	II	40	Grayish Brown	Silt Loam		NCM	
52	5	I	24	Dark Grayish Brown	Silt Loam		NCM	
52	5	II	46	Grayish Brown	Silty Clay Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
52	6	I	28	Dark Grayish Brown	Silt Loam		NCM	
52	6	II	42	Grayish Brown	Silt Loam		NCM	
52	7	I	26	Dark Grayish Brown	Silt Loam		NCM	
52	7	II	39	Grayish Brown	Silt Loam		NCM	
52	8	I	23	Dark Grayish Brown	Silt Loam		NCM	
52	8	II	40	Grayish Brown	Silt Loam		NCM	
52	9	I	33	Dark Grayish Brown	Silt Loam		NCM	
52	9	II	57	Dark Yellowish Brown	Silt Loam		NCM	
52	10	I	39	Dark Grayish Brown	Silt Loam		NCM	
52	10	II	51	Dark Yellowish Brown	Silt Loam		NCM	
52	11	I	23	Dark Grayish Brown	Silt Loam		NCM	
52	11	II	46	Dark Yellowish Brown	Silt Loam		NCM	
52	12	I	27	Dark Grayish Brown	Silt Loam		NCM	
52	12	II	46	Grayish Brown	Silt Loam		NCM	
52	13	I	26	Dark Grayish Brown	Silt Loam		NCM	
52	13	II	47	Dark Yellowish Brown	Silt Loam		NCM	
52	14	I	28	Dark Grayish Brown	Silt Loam		NCM	
52	14	II	44	Grayish Brown	Silt Loam		NCM	
52	15	I	29	Dark Grayish Brown	Silt Loam		NCM	
52	15	II	53	Dark Yellowish Brown	Silt Loam		NCM	
53	1	I	27	Dark Grayish Brown	Silt Loam		NCM	
53	1	II	38	Grayish Brown	Silty Clay Loam		NCM	
53	2	I	31	Dark Grayish Brown	Silt Loam		NCM	
53	2	II	45	Dark Yellowish Brown	Silt Loam		NCM	
53	3	I	28	Dark Grayish Brown	Silt Loam		NCM	
53	3	II	42	Dark Yellowish Brown	Silt Loam		NCM	
53	4	I	35	Dark Grayish Brown	Silt Loam		NCM	
53	4	II	48	Grayish Brown	Silt Loam		NCM	
53	5	I	33	Dark Grayish Brown	Silt Loam		NCM	
53	5	II	51	Grayish Brown	Silt Loam		NCM	
53	6	I	56	Dark Grayish Brown	Silt Loam		NCM	
53	7	I	28	Dark Grayish Brown	Silt Loam		NCM	
53	7	II	42	Grayish Brown	Silt Loam		NCM	
53	8	I	27	Dark Grayish Brown	Silt Loam		NCM	
53	8	II	47	Grayish Brown	Silt Loam		NCM	
53	9	I	28	Dark Grayish Brown	Silt Loam		NCM	
53	9	II	39	Grayish Brown	Silt Loam		NCM	
53	10	I	22	Dark Grayish Brown	Silt Loam		NCM	
53	10	II	43	Grayish Brown	Silt Loam		NCM	
53	11	I	33	Dark Grayish Brown	Silt Loam		NCM	
53	11	II	45	Grayish Brown	Silt Loam		NCM	
53	12	I	25	Dark Grayish Brown	Silt Loam		NCM	
53	12	II	44	Grayish Brown	Silt Loam		NCM	
54	1	I	23	Dark Grayish Brown	Silt Loam		NCM	
54	1	II	46	Grayish Brown	Silt Loam		NCM	
54	2	I	21	Dark Grayish Brown	Silt Loam		NCM	
54	2	II	37	Grayish Brown	Silt Loam		NCM	
54	3	I	22	Dark Grayish Brown	Silt Loam		NCM	
54	3	II	34	Grayish Brown	Silt Loam		NCM	
54	4	I	21	Dark Grayish Brown	Silt Loam		NCM	
54	4	II	39	Grayish Brown	Silt Loam		NCM	
54	5	I	29	Dark Grayish Brown	Silt Loam		NCM	
54	5	II	42	Grayish Brown	Silt Loam		NCM	
54	6	I	27	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
54	6	II	44	Grayish Brown	Silt Loam		NCM	
54	7	I	26	Dark Grayish Brown	Silt Loam		NCM	
54	7	II	48	Grayish Brown	Silt Loam		NCM	
54	8	I	33	Dark Grayish Brown	Silt Loam		NCM	
54	8	II	45	Grayish Brown	Silt Loam		NCM	
54	9	I	36	Dark Grayish Brown	Silt Loam		NCM	
54	9	II	53	Grayish Brown	Silt Loam		NCM	
55	1	I	46	Dark Grayish Brown	Silt Loam		NCM	
55	1	II	57	Grayish Brown	Silty Clay Loam		NCM	
55	2	I	44	Dark Grayish Brown	Silt Loam		NCM	
55	2	II	56	Grayish Brown	Silty Clay Loam		NCM	
55	3	I	35	Dark Grayish Brown	Silt Loam		NCM	
55	3	II	51	Grayish Brown	Silt Loam		NCM	
55	4	I	38	Dark Grayish Brown	Silt Loam		NCM	
55	4	II	52	Grayish Brown	Silt Loam		NCM	
55	5	I	26	Dark Grayish Brown	Silt Loam		NCM	
55	5	II	47	Grayish Brown	Silt Loam		NCM	
55	6	I	15	Dark Grayish Brown	Silt Loam		NCM	
55	6	II	34	Grayish Brown	Silt Loam		NCM	
55	7	I	26	Dark Grayish Brown	Silt Loam		NCM	
55	7	II	42	Grayish Brown	Silt Loam		NCM	
56	1	I	33	Dark Grayish Brown	Silt Loam		NCM	
56	1	II	41	Dark Yellowish Brown	Silt Loam		NCM	
56	2	I	29	Dark Grayish Brown	Silt Loam		NCM	
56	2	II	43	Dark Yellowish Brown	Silt Loam		NCM	
56	3	I	32	Dark Grayish Brown	Silt Loam		NCM	
56	3	II	45	Dark Yellowish Brown	Silt Loam		NCM	
56	4	I	28	Dark Grayish Brown	Silt Loam		NCM	
56	4	II	49	Grayish Brown	Silt Loam		NCM	
56	5	I	29	Dark Grayish Brown	Silt Loam		NCM	
56	5	II	43	Grayish Brown	Silt Loam		NCM	
57	1	I	25	Dark Grayish Brown	Silt Loam		NCM	
57	1	II	38	Grayish Brown	Silt Loam		NCM	
57	2	I	28	Dark Grayish Brown	Silt Loam		NCM	
57	2	II	43	Grayish Brown	Silt Loam		NCM	
57	3	I	14	Grayish Brown	Silt Loam		NCM	
57	3	II	36	Dark Yellowish Brown	Silt Loam		NCM	
57	4	I	10	Grayish Brown	Silt Loam		NCM	
57	4	II	32	Dark Yellowish Brown	Silt Loam		NCM	
57	5	I	28	Dark Grayish Brown	Silt Loam		NCM	
57	5	II	49	Grayish Brown	Silt Loam		NCM	
58	1	I	18	Dark Grayish Brown	Silt Loam		NCM	
58	1	II	34	Grayish Brown	Silt Loam		NCM	
58	2	I	24	Dark Grayish Brown	Silt Loam		NCM	
58	2	II	46	Grayish Brown	Silt Loam		NCM	
58	3	I	31	Dark Grayish Brown	Silt Loam		NCM	
58	3	II	46	Grayish Brown	Silt Loam		NCM	
58	4	I	33	Dark Grayish Brown	Silt Loam		NCM	
58	4	II	47	Grayish Brown	Silt Loam		NCM	
58	5	I	34	Dark Grayish Brown	Silt Loam		NCM	
58	5	II	54	Grayish Brown	Silt Loam		NCM	
58	6	I	31	Dark Grayish Brown	Silt Loam		NCM	
58	6	II	46	Grayish Brown	Silt Loam		NCM	
58	7	I	26	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
58	7	II	48	Grayish Brown	Silt Loam		NCM	
58	8	I	23	Dark Grayish Brown	Silt Loam		NCM	
58	8	II	52	Grayish Brown	Silt Loam		NCM	
58	9	I	29	Dark Grayish Brown	Silt Loam		NCM	
58	9	II	44	Grayish Brown	Silt Loam		NCM	
58	10	I	26	Dark Grayish Brown	Silt Loam		NCM	
58	10	II	48	Grayish Brown	Silt Loam		NCM	
59	1	I	27	Dark Grayish Brown	Silt Loam		NCM	
59	1	II	41	Grayish Brown	Silt Loam		NCM	
59	2	I	24	Dark Grayish Brown	Silt Loam		NCM	
59	2	II	49	Grayish Brown	Silt Loam		NCM	
59	3	I	25	Dark Grayish Brown	Silt Loam		NCM	
59	3	II	42	Grayish Brown	Silt Loam		NCM	
59	4	I	43	Dark Grayish Brown	Silt Loam		NCM	
59	4	II	57	Grayish Brown	Silt Loam		NCM	
59	5	I	37	Dark Grayish Brown	Silt Loam		NCM	
59	5	II	46	Grayish Brown	Silt Loam		NCM	
59	6	I	35	Dark Grayish Brown	Silt Loam		NCM	
59	6	II	48	Grayish Brown	Silt Loam		NCM	
59	7	I	34	Dark Grayish Brown	Silt Loam		NCM	
59	7	II	38	Grayish Brown	Silt Loam		NCM	
59	8	I	24	Dark Grayish Brown	Silt Loam		NCM	
59	8	II	35	Grayish Brown	Silt Loam		NCM	
59	9	I	31	Dark Grayish Brown	Silt Loam		NCM	
59	9	II	43	Grayish Brown	Silt Loam		NCM	
59	10	I	31	Dark Grayish Brown	Silt Loam		NCM	
59	10	II	42	Grayish Brown	Silt Loam		NCM	
59	11	I	28	Dark Grayish Brown	Silt Loam		NCM	
59	11	II	48	Grayish Brown	Silt Loam		NCM	
59	12	I	23	Dark Grayish Brown	Silt Loam		NCM	
59	12	II	36	Grayish Brown	Silt Loam		NCM	
59	13	I	23	Dark Grayish Brown	Silt Loam		NCM	
59	13	II	34	Grayish Brown	Silt Loam		NCM	
59	14	I	28	Dark Grayish Brown	Silt Loam		NCM	
59	14	II	45	Grayish Brown	Silt Loam		NCM	
60	1	I	25	Dark Grayish Brown	Silt Loam		NCM	
60	1	II	41	Grayish Brown	Silt Loam		NCM	
60	2	I	24	Dark Grayish Brown	Silt Loam		NCM	
60	2	II	51	Grayish Brown	Silt Loam		NCM	
60	3	I	25	Dark Grayish Brown	Silt Loam		NCM	
60	3	II	43	Grayish Brown	Silty Clay Loam		NCM	
60	4	I	28	Dark Grayish Brown	Silt Loam		NCM	
60	4	II	48	Grayish Brown	Silt Loam		NCM	
60	5	I	28	Dark Grayish Brown	Silt Loam		NCM	
60	5	II	45	Grayish Brown	Silt Loam		NCM	
60	6	I	27	Dark Grayish Brown	Silt Loam		NCM	
60	6	II	40	Grayish Brown	Silty Clay Loam		NCM	
60	7	I	36	Dark Grayish Brown	Silt Loam		NCM	
60	7	II	51	Grayish Brown	Silty Clay		NCM	
60	8	I	33	Dark Grayish Brown	Silt Loam		NCM	
60	8	II	47	Grayish Brown	Silty Clay Loam		NCM	
60	9	I	21	Dark Grayish Brown	Silt Loam		NCM	
60	9	II	47	Grayish Brown	Silty Clay Loam		NCM	
60	10	I	24	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
60	10	II	46	Grayish Brown	Silty Clay Loam		NCM	
60	11	I	18	Grayish Brown	Silt Loam		NCM	
60	11	II	46	Dark Yellowish Brown	Silt Loam		NCM	
60	12	I	21	Grayish Brown	Silt Loam		NCM	
60	12	II	49	Grayish Brown	Silty Clay		NCM	
60	13	I	48	Dark Grayish Brown	Silt Loam		NCM	
60	13	II	64	Yellowish Brown	Sand		NCM	
60	14	I	29	Dark Grayish Brown	Silt Loam		NCM	
60	14	II	41	Grayish Brown	Silt Loam		NCM	
60	15	I	34	Dark Grayish Brown	Silt Loam		NCM	
60	15	II	54	Grayish Brown	Silty Clay Loam		NCM	
61	1	I	24	Dark Grayish Brown	Silt Loam		NCM	
61	1	II	45	Grayish Brown	Silt Loam		NCM	
61	2	I	18	Dark Grayish Brown	Silt Loam		NCM	
61	2	II	36	Grayish Brown	Silt Loam		NCM	
61	3	I	23	Dark Grayish Brown	Silt Loam		NCM	
61	3	II	51	Grayish Brown	Silt Loam		NCM	
61	4	I	25	Dark Grayish Brown	Silty Clay Loam		NCM	
61	4	II	38	Grayish Brown	Silt Loam		NCM	
61	5	I	25	Dark Grayish Brown	Silt Loam		NCM	
61	5	II	36	Grayish Brown	Silt Loam		NCM	
61	6	I	21	Dark Grayish Brown	Silt Loam		NCM	
61	6	II	41	Dark Yellowish Brown	Silt Loam		NCM	
61	7	I	23	Dark Grayish Brown	Silt Loam		NCM	
61	7	II	39	Grayish Brown	Silt Loam		NCM	
61	8	I	23	Dark Grayish Brown	Silt Loam		NCM	
61	8	II	42	Yellowish Brown	Silt Loam		NCM	
61	9	I	21	Dark Grayish Brown	Silt Loam		NCM	
61	9	II	42	Yellowish Brown	Silt Loam		NCM	
61	10	I	22	Dark Grayish Brown	Silt Loam		NCM	
61	10	II	36	Grayish Brown	Silt Loam		NCM	
61	11	I	26	Dark Grayish Brown	Silt Loam		NCM	
61	11	II	41	Grayish Brown	Silty Clay Loam		NCM	
61	12	I	30	Dark Grayish Brown	Silt Loam		NCM	
61	12	II	42	Grayish Brown	Silty Clay		NCM	
61	13	I	28	Dark Grayish Brown	Silt Loam		NCM	
61	13	II	47	Grayish Brown	Silty Clay		NCM	
61	14	I	32	Dark Grayish Brown	Silt Loam		NCM	
61	14	II	61	Grayish Brown	Silty Clay		NCM	
61	15	I	31	Dark Grayish Brown	Silt Loam		NCM	
61	15	II	50	Grayish Brown	Silty Clay Loam		NCM	
62	1	I	23	Dark Grayish Brown	Silt Loam		NCM	
62	1	II	45	Yellowish Brown	Silt Loam		NCM	
62	2	I	25	Dark Grayish Brown	Silt Loam		NCM	
62	2	II	43	Grayish Brown	Silt Loam		NCM	
62	3	I	16	Dark Grayish Brown	Silt Loam		NCM	
62	3	II	34	Yellowish Brown	Silt Loam		NCM	
62	4	I	21	Dark Grayish Brown	Silt Loam		NCM	
62	4	I	43	Yellowish Brown	Silt Loam		NCM	
62	5	I	23	Dark Grayish Brown	Silt Loam		NCM	
62	5	II	33	Grayish Brown	Silt Loam		NCM	
62	6	I	25	Dark Grayish Brown	Silt Loam		NCM	
62	6	II	43	Grayish Brown	Silt Loam		NCM	
62	7	I	20	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
62	7	II	38	Grayish Brown	Silt Loam		NCM	
62	8	I	19	Dark Grayish Brown	Silt Loam		NCM	
62	8	II	34	Yellowish Brown	Silt Loam		NCM	
62	9	I	26	Dark Grayish Brown	Silt Loam		NCM	
62	9	II	42	Yellowish Brown	Silt Loam		NCM	
62	10	I	28	Dark Grayish Brown	Silt Loam		NCM	
62	10	II	41	Yellowish Brown	Silt Loam		NCM	
62	11	I	21	Dark Grayish Brown	Silt Loam		NCM	
62	11	II	44	Grayish Brown	Silt Loam		NCM	
62	12	I	26	Dark Grayish Brown	Silt Loam		NCM	
62	12	II	41	Grayish Brown	Silt Loam		NCM	
62	13	I	24	Dark Grayish Brown	Silt Loam		NCM	
62	13	II	47	Grayish Brown	Silt Loam		NCM	
62	14	I	31	Dark Grayish Brown	Silt Loam		NCM	
62	14	II	47	Dark Yellowish Brown	Silt Loam		NCM	
62	15	I	29	Dark Grayish Brown	Silt Loam		NCM	
62	15	II	46	Grayish Brown	Silt Loam		NCM	
63	1	I	24	Dark Grayish Brown	Silt Loam		NCM	
63	1	II	39	Grayish Brown	Silt Loam		NCM	
63	2	I	58	Dark Grayish Brown	Silt Loam		NCM	
63	3	I	33	Dark Grayish Brown	Silt Loam		NCM	
63	3	II	56	Grayish Brown	Silt Loam		NCM	
63	4	I	27	Dark Grayish Brown	Silt Loam		NCM	
63	4	II	37	Grayish Brown	Silt Loam		NCM	
63	5	I	23	Dark Grayish Brown	Silt Loam		NCM	
63	5	II	41	Grayish Brown	Silt Loam		NCM	
63	6	I	21	Dark Grayish Brown	Silt Loam		NCM	
63	6	II	47	Grayish Brown	Silt Loam		NCM	
63	7	I	24	Dark Grayish Brown	Silty Clay Loam		NCM	
63	7	II	53	Grayish Brown	Silt Loam		NCM	
63	8	I	26	Dark Grayish Brown	Silt Loam		NCM	
63	8	II	45	Grayish Brown	Silt Loam		NCM	
63	9	I	25	Grayish Brown	Silt Loam		NCM	
63	9	II	63	Dark Yellowish Brown	Silty Clay Loam		NCM	
63	10	I	28	Dark Grayish Brown	Silt Loam		NCM	
63	10	II	41	Grayish Brown	Silt Loam		NCM	
63	11	I	31	Dark Grayish Brown	Silt Loam	Roots	NCM	Root Impasse
63	12	I	26	Dark Grayish Brown	Silt Loam		NCM	
63	12	II	45	Dark Yellowish Brown	Silt Loam		NCM	
63	13	I	29	Dark Grayish Brown	Silt Loam		NCM	
63	13	II	46	Grayish Brown	Silt Loam		NCM	
63	14	I	22	Dark Grayish Brown	Silt Loam		NCM	
63	14	II	45	Grayish Brown	Silt Loam		NCM	
63	15	I	34	Dark Grayish Brown	Silt Loam		NCM	
63	15	II	44	Grayish Brown	Silt Loam		NCM	
64	3	I	31	Dark Grayish Brown	Silty Clay Loam		NCM	
64	3	II	47	Grayish Brown	Silt Loam		NCM	
64	4	I	29	Dark Grayish Brown	Silt Loam		NCM	
64	4	II	44	Grayish Brown	Silt Loam		NCM	
64	5	I	33	Dark Grayish Brown	Silt Loam		NCM	
64	5	II	52	Grayish Brown	Silt Loam		NCM	
64	6	I	26	Dark Grayish Brown	Silt Loam		NCM	
64	6	II	41	Grayish Brown	Silt Loam		NCM	
64	7	I	28	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
64	7	II	47	Dark Yellowish Brown	Silt Loam		NCM	
64	8	I	30	Dark Grayish Brown	Silt Loam		NCM	
64	8	II	49	Grayish Brown	Silt Loam		NCM	
64	9	I	34	Dark Grayish Brown	Silt Loam		NCM	
64	9	II	47	Grayish Brown	Silt Loam		NCM	
64	10	I	36	Dark Grayish Brown	Silt Loam		NCM	
64	10	II	48	Grayish Brown	Silt Loam		NCM	
64	11	I	32	Dark Grayish Brown	Silt Loam		NCM	
64	11	II	45	Grayish Brown	Silt Loam		NCM	
64	12	I	33	Dark Grayish Brown	Silt Loam		NCM	
64	12	II	57	Grayish Brown	Silt Loam		NCM	
64	13	I	33	Dark Grayish Brown	Silt Loam		NCM	
64	13	II	45	Grayish Brown	Silt Loam		NCM	
64	14	I	27	Dark Grayish Brown	Silt Loam		NCM	
64	14	II	48	Grayish Brown	Silt Loam		NCM	
64	15	I	32	Dark Grayish Brown	Silt Loam		NCM	
64	15	II	49	Grayish Brown	Silt Loam		NCM	
65	1	I	29	Dark Grayish Brown	Loam		NCM	
65	1	II	49	Grayish Brown	Silt Loam		NCM	
65	2	I	32	Dark Grayish Brown	Silt Loam		NCM	
65	2	II	42	Grayish Brown	Silt Loam		NCM	
65	3	I	28	Dark Grayish Brown	Silt Loam		NCM	
65	3	II	46	Grayish Brown	Silt Loam		NCM	
65	4	I	34	Dark Grayish Brown	Silt Loam		NCM	
65	4	II	51	Grayish Brown	Silt Loam		NCM	
65	5	I	37	Dark Grayish Brown	Silt Loam		NCM	
65	5	II	50	Grayish Brown	Silt Loam		NCM	
65	6	I	27	Dark Grayish Brown	Silt Loam		NCM	
65	6	II	38	Grayish Brown	Silt Loam		NCM	
65	7	I	32	Dark Grayish Brown	Silt Loam		NCM	
65	7	II	46	Grayish Brown	Silt Loam		NCM	
65	8	I	36	Dark Grayish Brown	Silt Loam		NCM	
65	8	II	48	Grayish Brown	Silt Loam		NCM	
65	9	I	33	Dark Grayish Brown	Silt Loam		NCM	
65	9	II	45	Grayish Brown	Silt Loam		NCM	
65	10	I	24	Dark Grayish Brown	Silt Loam		NCM	
65	10	II	36	Grayish Brown	Silty Clay Loam		NCM	
65	11	I	29	Dark Grayish Brown	Silt Loam		NCM	
65	11	II	43	Grayish Brown	Silt Loam		NCM	
65	12	I	34	Dark Grayish Brown	Silt Loam		NCM	
65	12	II	46	Grayish Brown	Silt Loam		NCM	
65	13	I	31	Dark Grayish Brown	Silt Loam		NCM	
65	13	II	45	Grayish Brown	Silt Loam		NCM	
65	14	I	36	Dark Grayish Brown	Silt Loam		NCM	
65	14	II	48	Grayish Brown	Silt Loam		NCM	
65	15	I	36	Dark Grayish Brown	Silt Loam		NCM	
65	15	II	55	Grayish Brown	Silt Loam		NCM	
66	1	I	34	Dark Grayish Brown	Silt Loam		NCM	
66	1	II	47	Grayish Brown	Silt Loam		NCM	
66	2	I	36	Dark Grayish Brown	Silt Loam		NCM	
66	2	II	49	Grayish Brown	Silt Loam		NCM	
66	3	I	39	Dark Grayish Brown	Silt Loam		NCM	
66	3	II	48	Grayish Brown	Silt Loam		NCM	
66	4	I	31	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
66	4	II	45	Grayish Brown	Silt Loam		NCM	
66	5	I	35	Dark Grayish Brown	Silt Loam		NCM	
66	5	II	52	Grayish Brown	Silt Loam		NCM	
66	6	I	36	Dark Grayish Brown	Silt Loam		NCM	
66	6	II	47	Dark Yellowish Brown	Silty Clay Loam		NCM	
66	7	I	28	Dark Grayish Brown	Silt Loam		NCM	
66	7	II	52	Dark Yellowish Brown	Silt Loam		NCM	
66	8	I	23	Dark Grayish Brown	Silt Loam		NCM	
66	8	II	38	Grayish Brown	Silty Clay Loam		NCM	
66	9	I	27	Dark Grayish Brown	Silt Loam		NCM	
66	9	II	40	Grayish Brown	Silt Loam		NCM	
66	10	I	33	Dark Grayish Brown	Silt Loam		NCM	
66	10	II	43	Grayish Brown	Silt Loam		NCM	
66	11	I	36	Dark Grayish Brown	Silt Loam		NCM	
66	11	II	56	Grayish Brown	Silt Loam		NCM	
66	12	I	31	Dark Grayish Brown	Silt Loam		NCM	
66	12	II	47	Grayish Brown	Silt Loam		NCM	
66	13	I	35	Dark Grayish Brown	Silt Loam		NCM	
66	13	II	49	Grayish Brown	Silt Loam		NCM	
66	14	I	32	Dark Grayish Brown	Silt Loam		NCM	
66	14	II	46	Grayish Brown	Silt Loam		NCM	
67	1	I	22	Dark Grayish Brown	Silt Loam		NCM	
67	1	II	41	Grayish Brown	Silt Loam		NCM	
67	2	I	30	Dark Grayish Brown	Silt Loam		NCM	
67	2	II	42	Grayish Brown	Silt Loam		NCM	
67	3	I	12	Dark Grayish Brown	Silt Loam		NCM	
67	3	II	39	Dark Yellowish Brown	Sand		NCM	
67	4	I	24	Dark Grayish Brown	Silt Loam		NCM	
67	5	I	26	Dark Grayish Brown	Silt Loam		NCM	
67	5	II	44	Grayish Brown	Silt Loam		NCM	Rock Impasse
67	6	I	32	Dark Grayish Brown	Silt Loam		NCM	
67	6	II	45	Grayish Brown	Silt Loam		NCM	
67	7	I	36	Dark Grayish Brown	Silty Clay Loam		NCM	
67	7	II	48	Grayish Brown	Silt Loam		NCM	
67	8	I	31	Dark Grayish Brown	Silt Loam		NCM	
67	8	II	42	Grayish Brown	Silt Loam		NCM	
67	9	I	34	Dark Grayish Brown	Silt Loam		NCM	
67	9	II	56	Grayish Brown	Silt Loam		NCM	
67	10	I	26	Dark Grayish Brown	Silt Loam		NCM	
67	10	II	47	Grayish Brown	Silt Loam		NCM	
67	11	I	26	Dark Grayish Brown	Silt Loam		NCM	
67	11	II	42	Grayish Brown	Silt Loam		NCM	
67	12	I	28	Dark Grayish Brown	Silt Loam		NCM	
67	12	II	40	Grayish Brown	Silt Loam		NCM	
67	13	I	34	Dark Grayish Brown	Silt Loam		NCM	
67	13	II	50	Grayish Brown	Silt Loam		NCM	
68	1	I	25	Dark Grayish Brown	Silt Loam		NCM	
68	1	II	36	Grayish Brown	Silty Clay Loam		NCM	
68	2	I	30	Dark Grayish Brown	Silt Loam		NCM	
68	2	II	40	Grayish Brown	Silty Clay Loam		NCM	
68	3	I	22	Dark Grayish Brown	Silt Loam		NCM	
68	3	II	32	Grayish Brown	Silty Clay Loam		NCM	
68	4	I	28	Dark Grayish Brown	Silt Loam	Rocks	NCM	
68	5	I	26	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
68	5	II	42	Grayish Brown	Silty Clay Loam		NCM	
68	6	I	22	Dark Grayish Brown	Silt Loam		NCM	
68	6	II	32	Grayish Brown	Silty Clay Loam		NCM	
68	7	I	30	Dark Grayish Brown	Silt Loam		NCM	
68	7	II	43	Grayish Brown	Silty Clay Loam		NCM	
68	8	I	26	Dark Grayish Brown	Silt Loam		NCM	
68	8	II	36	Grayish Brown	Silty Clay Loam		NCM	
68	9	I	22	Dark Grayish Brown	Silt Loam	Rocks	NCM	
68	10	I	18	Dark Grayish Brown	Silt Loam	Rocks	NCM	
68	11	I	29	Dark Grayish Brown	Silt Loam	Rocks	NCM	
68	12	I	29	Dark Grayish Brown	Silt Loam		NCM	
68	12	II	43	Grayish Brown	Silty Clay Loam		NCM	
68	13	I	35	Dark Grayish Brown	Silt Loam	Rocks	NCM	
68	14	I	29	Dark Grayish Brown	Silt Loam		NCM	
68	14	II	40	Dark Yellowish Brown	Silty Clay		NCM	
69	1	I	24	Dark Grayish Brown	Silt Loam		NCM	
69	1	II	47	Dark Yellowish Brown	Sand		NCM	
69	2	I	19	Dark Grayish Brown	Silt Loam		NCM	
69	2	II	31	Grayish Brown	Silty Clay Loam		NCM	
69	3	I	23	Dark Grayish Brown	Silt Loam		NCM	
69	3	II	35	Grayish Brown	Silty Clay Loam		NCM	
69	4	I	33	Dark Grayish Brown	Silt Loam	Rocks	NCM	
69	5	I	24	Dark Grayish Brown	Silt Loam		NCM	
69	5	II	34	Grayish Brown	Silty Clay Loam		NCM	
69	6	I	28	Dark Grayish Brown	Silt Loam		NCM	
69	6	II	38	Dark Yellowish Brown	Clay		NCM	
69	7	I	26	Dark Grayish Brown	Silt Loam		NCM	
69	7	II	39	Grayish Brown	Silty Clay Loam		NCM	
69	8	I	29	Dark Grayish Brown	Silt Loam		NCM	
69	8	II	40	Dark Yellowish Brown	Clay		NCM	
69	9	I	33	Dark Grayish Brown	Silt Loam		NCM	
69	9	II	43	Dark Yellowish Brown	Clay		NCM	
69	10	I	35	Dark Grayish Brown	Silt Loam		NCM	
69	10	II	45	Grayish Brown	Silty Clay Loam		NCM	
69	11	I	25	Dark Grayish Brown	Silt Loam	Rocks	NCM	
69	12	I	32	Dark Grayish Brown	Silt Loam		NCM	
69	12	II	42	Grayish Brown	Silty Clay		NCM	
69	13	I	35	Dark Grayish Brown	Silt Loam		NCM	
69	13	II	45	Grayish Brown	Clayey Silt		NCM	
69	14	I	24	Dark Grayish Brown	Silt Loam		NCM	
69	14	II	34	Dark Yellowish Brown	Clay		NCM	
70	2	I	27	Dark Grayish Brown	Silt Loam		NCM	
70	2	II	39	Grayish Brown	Silty Clay Loam		NCM	
70	3	I	31	Dark Grayish Brown	Silt Loam		NCM	
70	3	II	36	Grayish Brown	Silty Clay Loam	Rocks	NCM	
70	4	I	27	Dark Grayish Brown	Silt Loam		NCM	
70	4	II	37	Grayish Brown	Silty Clay Loam		NCM	
70	5	I	20	Dark Grayish Brown	Silt Loam		NCM	
70	5	II	31	Dark Yellowish Brown	Silt Loam		NCM	
70	6	I	29	Dark Grayish Brown	Silt Loam		NCM	
70	6	II	41	Dark Yellowish Brown	Clay		NCM	
70	7	I	27	Dark Grayish Brown	Silt Loam		NCM	
70	7	II	34	Grayish Brown	Silty Clay Loam	Rocks	NCM	
70	8	I	25	Dark Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
70	8	II	38	Dark Yellowish Brown	Clay		NCM	
70	10	I	21	Dark Grayish Brown	Silt Loam		NCM	
70	10	II	31	Grayish Brown	Clay		NCM	
70	11	I	29	Dark Grayish Brown	Silt Loam		NCM	
70	11	II	40	Grayish Brown	Clay		NCM	
70	12	I	17	Dark Grayish Brown	Silt Loam		NCM	
70	12	II	28	Grayish Brown	Silty Clay Loam		NCM	
70	13	I	26	Dark Grayish Brown	Silt Loam	Rocks	NCM	
70	13	I	23	Dark Grayish Brown	Silt Loam		NCM	
70	13	II	33	Grayish Brown	Clay		NCM	
71	1	I	12	Light Yellowish Brown	Silt Loam		NCM	
71	1	II	22	Dark Grayish Brown	Silt Loam	Rocks	NCM	
71	2	I	19	Light Yellowish Brown	Silt Loam		NCM	
71	2	II	30	Dark Grayish Brown	Silt Loam		NCM	
71	3	I	23	Dark Grayish Brown	Silt Loam		NCM	
71	3	II	35	Grayish Brown	Silty Clay Loam		NCM	
71	4	I	25	Light Yellowish Brown	Silt Loam		NCM	
71	4	II	36	Dark Grayish Brown	Silt Loam		NCM	
71	5	I	31	Light Yellowish Brown	Silt Loam		NCM	
71	5	II	38	Yellowish Brown	Silt Loam	Rocks	NCM	
71	6	I	41	Dark Grayish Brown	Silt Loam		NCM	
71	6	II	51	Grayish Brown	Silt Loam		NCM	
71	7	I	29	Light Yellowish Brown	Silt Loam		NCM	
71	7	II	39	Grayish Brown	Silt Loam		NCM	
71	8	I	31	Dark Grayish Brown	Silt Loam		NCM	
71	8	II	41	Grayish Brown	Silt Loam		NCM	
71	9	I	29	Dark Grayish Brown	Silt Loam		NCM	
71	9	II	41	Grayish Brown	Silty Clay Loam		NCM	
71	10	I	30	Dark Grayish Brown	Silt Loam		NCM	
71	10	II	43	Grayish Brown	Silty Clay Loam		NCM	
71	11	I	32	Dark Grayish Brown	Silt Loam		NCM	
71	11	II	44	Grayish Brown	Clay		NCM	
71	12	I	30	Dark Grayish Brown	Silt Loam		NCM	
71	12	II	31	Grayish Brown	Clay	Rocks	NCM	
72	1	I	28	Dark Grayish Brown	Silt Loam		NCM	
72	1	II	38	Grayish Brown	Silty Clay Loam		NCM	
72	2	I	17	Dark Grayish Brown	Silt Loam		NCM	
72	2	II	29	Dark Grayish Brown	Silt Loam		NCM	
72	3	I	24	Dark Grayish Brown	Silt Loam		NCM	
72	3	II	34	Yellowish Brown	Silty Clay Loam		NCM	
72	4	I	19	Light Yellowish Brown	Silt Loam		NCM	
72	4	II	29	Dark Grayish Brown	Silt Loam		NCM	
73	1	I	31	Grayish Brown	Sand	Gravel	NCM	
73	1	II	52	Light Yellowish Brown	Sand	Gravel	NCM	
73	2	I	23	Dark Grayish Brown	Silt Loam	Gravel	NCM	
73	2	II	41	Dark Yellowish Brown	Clay	Gravel	NCM	
73	3	I	45	Dark Grayish Brown	Silt Loam	Gravel	NCM	
73	3	II	61	Dark Yellowish Brown	Clay	Gravel	NCM	
73	4	I	31	Dark Grayish Brown	Silt Loam	Gravel	NCM	
73	4	I	11	Dark Grayish Brown	Silt Loam	Gravel	NCM	
73	4	I	28	Dark Grayish Brown	Silt Loam		NCM	
73	4	II	46	Grayish Brown	Silt Loam		NCM	
73	4	II	43	Grayish Brown	Silt Loam		NCM	
73	4	II	47	Grayish Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
74	1	I	24	Dark Grayish Brown	Sand	Gravel	NCM	
74	1	II	35	Light Yellowish Brown	Sand	Gravel	NCM	
74	2	I	24	Dark Grayish Brown	Silt Loam	Gravel	NCM	
74	2	II	36	Grayish Brown	Silty Clay		NCM	
74	3	I	23	Dark Grayish Brown	Silt Loam	Gravel	NCM	
74	3	II	34	Grayish Brown	Silty Clay		NCM	
74	4	I	27	Dark Grayish Brown	Silt Loam	Gravel	NCM	
74	4	II	37	Dark Yellowish Brown	Silt Loam		NCM	
75	1	I	18	Dark Grayish Brown	Silt Loam	Gravel	NCM	
75	1	II	28	Grayish Brown	Sand	Gravel	NCM	
75	2	I	20	Dark Grayish Brown	Silt Loam	Gravel	NCM	
75	2	II	30	Grayish Brown	Silt Loam	Gravel	NCM	
75	3	I	10	Dark Grayish Brown	Silt Loam	Gravel	NCM	
75	3	II	20	Grayish Brown	Silt Loam	Gravel	NCM	
76	1	I	19	Dark Grayish Brown	Silt Loam	Gravel	NCM	
76	1	II	29	Grayish Brown	Silty Clay Loam	Gravel	NCM	
76	2	I	24	Dark Grayish Brown	Silt Loam	Heavy Gravel	NCM	Gravel Impasse
76	3	I	53	Dark Grayish Brown	Silt Loam	Gravel	3 Plastic Wrappers, 1 Plastic Bottle Frag. (Discarded)	
76	4	I	30	Dark Grayish Brown	Silt Loam	Roots	NCM	
76	4	II	32	Grayish Brown	Silt Loam	Roots	NCM	Root Impasse
76	4	II	48	Grayish Brown	Silt Loam		NCM	
77	1	I	24	Dark Grayish Brown	Silt Loam	Gravel	NCM	
77	1	II	34	Dark Yellowish Brown	Clay	Gravel	NCM	
77	2	I	19	Dark Grayish Brown	Silty Clay Loam	Gravel	NCM	
77	2	II	30	Grayish Brown	Clayey Silt	Gravel	NCM	
77	3	I	21	Dark Grayish Brown	Silt Loam	Gravel	NCM	
77	3	II	31	Grayish Brown	Silt Loam	Gravel	NCM	
78	1	I	21	Dark Grayish Brown	Silt Loam	Gravel	NCM	
78	1	II	31	Light Yellowish Brown	Clay Silt		NCM	
78	2	I	23	Dark Grayish Brown	Silt Loam	Gravel	NCM	
78	2	II	23	Grayish Brown	Silt Loam		NCM	
78	3	I	22	Dark Grayish Brown	Silt Loam	Rocks	NCM	
78	3	II	40	Grayish Brown	Silt Loam		NCM	
78	4	I	38	Dark Grayish Brown	Silt Loam	Heavy Gravel	NCM	Gravel Impasse
78	5	I	43	Dark Grayish Brown	Silt Loam	Gravel	NCM	
78	5	II	64	Grayish Brown	Silt Loam	Gravel	NCM	
79	1	I	22	Dark Grayish Brown	Silt Loam		NCM	
79	1	II	32	Dark Yellowish Brown	Clay		NCM	
79	2	I	20	Light Yellowish Brown	Silt Loam		NCM	
79	2	II	30	Dark Grayish Brown	Silt Loam		NCM	
79	3	I	23	Dark Grayish Brown	Silt Loam		1 pc. Slag	
79	3	II	33	Yellowish Brown	Silty Clay		NCM	
80	1	I	27	Dark Grayish Brown	Silt Loam		NCM	
80	1	II	37	Yellowish Brown	Clayey Silt	Gravel	NCM	
80	2	I	23	Dark Grayish Brown	Silt Loam	Gravel	NCM	
80	2	II	38	Strong Brown	Silty Clay Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
80	3	I	23	Dark Grayish Brown	Silt Loam		'1 pc. Car Window Glass (discarded)	
80	3	II	24	Yellowish Brown	Silty Clay	Rocks	NCM	
81	1	I	25	Dark Grayish Brown	Silt Loam	Gravel	NCM	
81	1	II	35	Yellowish Brown	Silty Clay		NCM	
81	2	I	35	Dark Grayish Brown	Silt Loam	Gravel	NCM	
81	2	II	45	Dark Yellowish Brown	Clayey Silt		NCM	
81	3	I	29	Dark Grayish Brown	Silt Loam		NCM	
81	3	II	39	Yellowish Brown	Clayey Silt		NCM	
82	1	I	24	Dark Grayish Brown	Silt Loam		NCM	
82	1	II	37	Yellowish Brown	Silty Clay		NCM	
82	2	I	25	Dark Grayish Brown	Silt Loam		NCM	
82	2	II	35	Yellowish Brown	Silt		NCM	
82	3	I	24	Dark Grayish Brown	Silt Loam		NCM	
82	3	II	36	Yellowish Brown	Silty Clay		NCM	
83	1	I	29	Dark Grayish Brown	Silt Loam	Gravel	NCM	
83	1	II	39	Yellowish Brown	Silty Clay		NCM	
83	2	I	29	Dark Grayish Brown	Silt Loam	Gravel	NCM	
83	2	II	39	Yellowish Brown	Clay		NCM	