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**PHASE 1 CULTURAL RESOURCES
INVESTIGATIONS AT THREE LOCATIONS
FOR A PROPOSED COMMUNITY-BASED
OUTPATIENT CLINIC, TOWN OF HENRIETTA,
MONROE COUNTY, NEW YORK**

**New York State Historic Preservation Office
(NYSHPO) #16PR01640**

Prepared for:

**GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS, INC.
50 Ridge Road
Buffalo, New York 14218**

Prepared by:

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June 2016

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Prepared by:

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June 2016

Management Summary

SHPO Project Review Number: 16PR01640

Involved State and Federal Agencies: New York State Department of Environmental Conservation

Phase of Survey: Phase 1AB

Location Information:

Location: 1) Erie Station/West Henrietta Roads; 2) Calkins Road; and 3) West Henrietta Road

Minor Civil Division: Town of Henrietta

County: Monroe

Survey Area (Metric & English):

Total acreage: The total acreage surveyed is 65.7 acres (26.3 hectares). It consists of three study areas: 1) Erie Station/West Henrietta Road (31 acres [12.5 ha]); 2) Calkins Road (14.4 acres [5.8 ha]); and 3) 4490 West Henrietta Road (20.4 acres [8.2 ha]).

USGS 7.5 Minute Quadrangle Maps: West Henrietta, 1979

Archaeological Survey Overview

Number & Interval of Shovel Test Pits (STP): 1,111 STPs (1,079 at 15 m (50 ft) intervals, 22 close-interval STPs including 1-m, 3-m, 4-m, and 6-m [3.3-ft, 10-ft, 13-ft, 19.7-ft]) and 10 STPs at non-specific intervals locations.

Results of Archaeological Survey

Number & name of historic sites identified: 1

Number & name of Precontact sites identified: 2 precontact stray finds

Number and name of sites recommended for Phase II/Avoidance: 0

Results of Architectural Survey

Number of structures within project area: 0

Number of buildings/structures/cemeteries adjacent to project area: 1 new residence

Number of identified eligible buildings/structures/cemeteries/districts: 0

Report Author(s): R. Hanley, M. Steinback, E. Button, M. Cinquino

Date of Report: June 2016

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1.0 Introduction

1.1 PROJECT DESCRIPTION

Panamerican Consultants, Inc. (Panamerican) was contracted by Great Lakes Environmental & Safety Consultants, Inc., Buffalo, New York, to conduct Phase 1 cultural resources investigations at three locations totaling approximately 65.7 acres (26.3 hectares) for a proposed community-based VA outpatient clinic in the Town of Henrietta, Monroe County, New York (Figure 1). The three Project Site locations are: 1) Erie Station/West Henrietta Road Site (31 acres [12.5 ha]); 2) Calkins Road Site (14.4 acres [5.8 ha]); and 3) 4490 West Henrietta Road Site (20.4 acres [8.2 ha]).

The purpose of the Phase 1 investigation is to identify archaeologically sensitive areas, cultural areas, and structures 50 years of age and older that may be affected by the proposed project and to locate all cultural resources in the APE (New York Archaeological Council [NYAC] 1994:1). The cultural resources investigation included archival, documentary, and historical map research, a site file and literature search, the examination of properties listed in the New York State and National Registers of Historic Places (S/NRHP), an intensive walkover reconnaissance, photographic documentation of field conditions, and shovel testing throughout the APE. Photographs of the field investigation are presented in Appendix A.

The cultural resource investigation was conducted in compliance with the National Historic Preservation Act, the National Environmental Policy Act, the New York State Historic Preservation Act, the State Environmental Quality Review Act, and all relevant federal and state legislation. The investigation was also conducted according to NYAC's Standards for Archaeological Investigations and New York State Historic Preservation Office (NYSHPO) guidelines.

Fieldwork was conducted during the period from May 9 to May 26, 2016. Mr. Robert J. Hanley, M.A., RPA, served as principal investigator, Mr. Mark A. Steinback, M.A., was project historian, and Mr. Edwin Button, M.A., RPA, was the field director, and was assisted in the field by several archaeological technicians. Dr. Michael A. Cinquino, RPA, served as project director.

1.2 ENVIRONMENTAL SETTING

Topography and Geology. Situated generally within the Erie-Ontario Lowland section, the only physiographic province for Monroe County, the project area is located in a subdivision of this province, which is characterized by end moraines, till plains, and drumlins between the beach ridge of the lake plain proper, to the north, and the Finger Lakes Hills, the beginning of the Appalachian Plateau to the south (Ritchie 1980; Cressey 1966:26). The Genesee River forms the western boundary of the Town of Henrietta and is approximately two-and-one-half to three miles west of the three project areas (U.S. Geological Survey [USGS] 1979; Heffner and Goodman 1973:168). Bedrock underlying Monroe County formed in bands oriented east-west during the later stages of the Ordovician and the earliest of the Devonian periods (between 410 and 350 million years ago). The bedrock beneath the project area is an extensive mix of bands of limestone and shaly sandstones (Heffner and Goodman 1973:169-170; Cressey 1966; Van Diver 1985:188). Onondaga limestone is a dense, hard limestone which is dark when freshly broken, and weathers to a bluish gray. Black and bluish layers of chert are included in the upper layers, and beds of the limestone may be separated by carbonaceous shale (Cressey 1966:24).

Elevations within Project Site 1 Erie Station/West Henrietta Road Site range from 585 feet (178 meters) along West Henrietta Road to 650 ft (198 m) at the northeastern end of the project area, increasing from west to east (USGS 1979; see Figure 1). Elevations within Project Site 2 Calkins Road Site increase from approximately 530 ft (161 m) at the eastern end of the project area to 565 ft (172 m) at the west end of the project area along Interstate-390 (USGS 1979; see Figure 1). Elevations within Project Site 3 4490 West Henrietta Road Site range from approximately 640 ft (195 m) at the western end of the project area at Methodist Hill to 565 ft (172 m) at the northeastern end of the project area and 580 ft (177 m) along

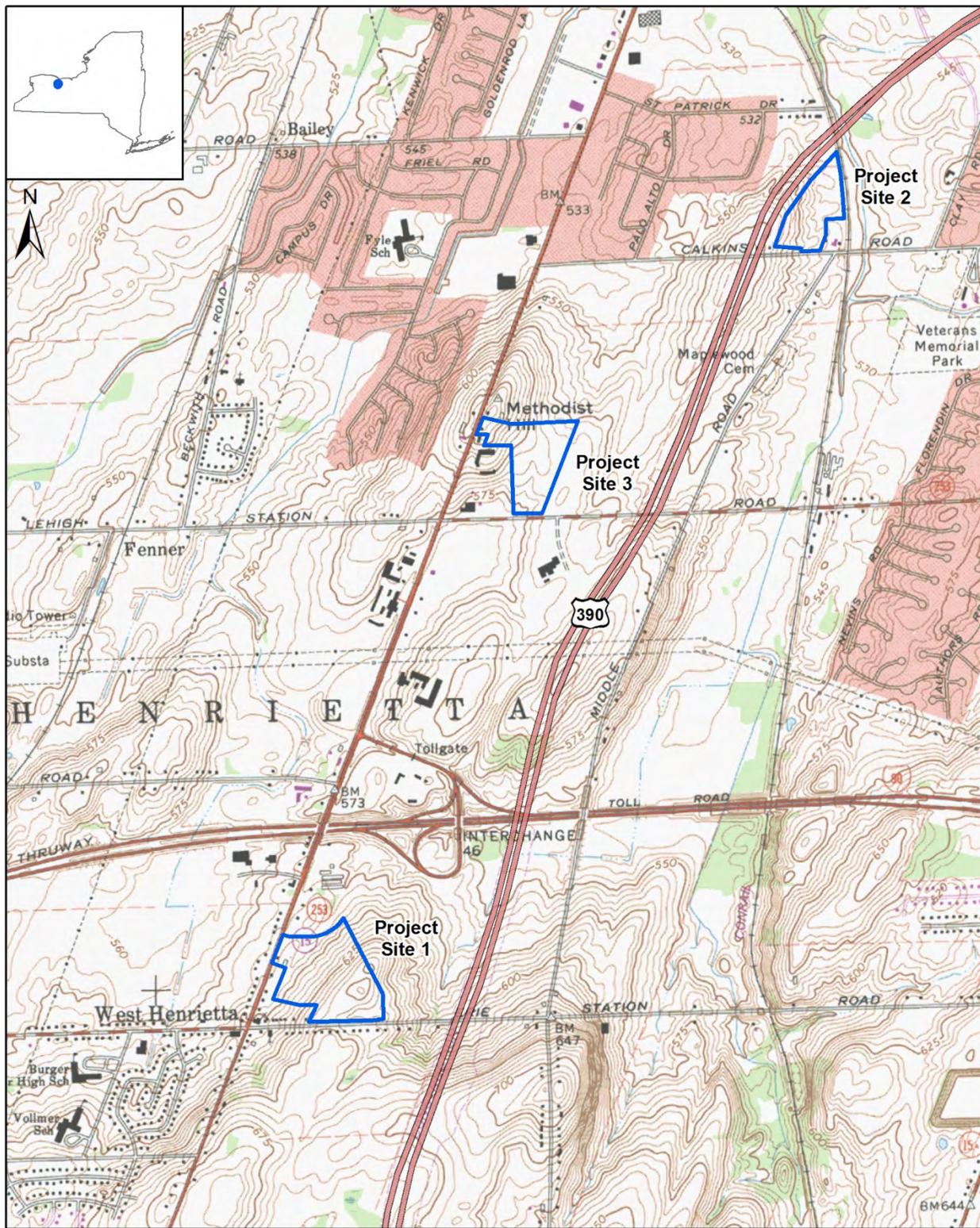


Figure 1. Approximate locations of the project areas in the Town of Henrietta, Monroe County, New York (base map: U.S. Geological Survey [USGS] 1979).

Lehigh Station Road, generally decreasing from west to southeast (USGS 1979; see Figure 1). The topography in each of the project areas is generally nearly level, but sloping.

Soils. Soils within the Project Sites 1 and 3 are part of the Ontario-Hilton association and soils within Project Site 2 are part of the Schoharie-Odessa-Cayuga association (Heffner and Goodman. 1973: General Soils Map). Soils of the Ontario-Hilton association formed in glacial till and are usually deep, well to moderately well drained with a medium-textured to moderately fine textured subsoil. Soils of the Schoharie-Odessa-Cayuga association formed in clayey, lake-laid deposits and are deep, well drained to somewhat poorly drained with a fine textured to moderately fine textured subsoil. Specific soils found within the project area are presented in Table 1 and shown on Figures 2, 3, and 4 (Natural Resources Conservation Service [NRCS] 2015).

Drainage. The Genesee River forms the western boundary of the Town of Henrietta and is approximately two and one-half to three miles west of the three potential project areas (USGS 1979; Heffner and Goodman 1973:168). Historically, Red Creek and tributaries to Red Creek were within 2,500 and 1,500 ft (763 and 458 m) of each of the project area and were delineated on historical maps from the end of the nineteenth century (USGS 1895). However, it is likely the extensive construction related to the construction of I-90 and I-390 as well as residential development in the area has disrupted natural drainage patterns.

Table 1. Soils within and adjacent to the three Project Site areas.

Name	Soil Horizon Depth in (cm)	Color	Texture	Slope %	Drainage	Landform
Appleton loam (ApA)	0-8 (-20) -16 (-41) -30 (-76) -54 (-137) -79 (-201)	V DK GR BR DK BR BR BR DK BR	LO LO GV SI LO GV LO GV LO	0-3	Somewhat poorly	Drumlins, till plains
Canandaigua silt loam (Ca)	0-8 (0-20) -13 (-33) -30 (-76) -60 (-152)	BL OL GR GR BR RD BR	SI LO SI CL LO SI LO SI/V F SA	0-2	Very poorly	Glacial lakebeds
Cayuga silt loam (CeA, CeB)	0-7 (0-18) -22 (-56) -37 (-94) -60 (-152)	DK GR BR RD BR DK YL BR BR	SI LO CL SI CL LO GV LO	0-2, 2-6	Well	Lake plains, till plains
Churchville silt loam (ChA)	0-8 (0-20) -17 (-43) -38 (-97) -60 (-152)	DK RD BR DK RD BR RD BR DK RD GR	SI LO SI CL CL GV LO	0-2	Somewhat poorly	Lake plains, till plains
Claverack loamy fine sand (CkA)	0-11 (0-28) -25 (-64) -32 (-81) -45 (-114) -60 (-152)	DK GR BR BR BR - DK BR RD BR DK BR-DK YL BR	LO F SA LO F SA LO F SA CL CL & SI	0-2	Moderately well	Lake plains
Hilton fine sandy loam (HfB)	0-10 (0-25) -17 (-43) -30 (-76) -41 (-104) -60 (-152)	BR-DK BR DK GR BR RD BR RD BR BR	F SA LO F SA LO LO GV LO GV LO	3-8	Moderately well	Till plains
Hilton loam (HIA, HIB)	0-10 (0-25) -17 (-43) -30 (-76) -41 (-104) -60 (-152)	BR-DK BR DK GR BR RD BR RD BR BR	LO F SA LO LO GV LO GV LO	0-3, 3-8	Moderately well	Drumlins, till plains

Name	Soil Horizon Depth in (cm)	Color	Texture	Slope %	Drainage	Landform
Lakemont silt loam (Le)	0-8 (0-20) -13 (-33) -26 (-66) -36 (-91) -79 (-201)	BL RD BR DK RD GR RD/RD BR BR/DK BR	SI LO SI CL LO SI CL SI CL SI CL LO	0-2	Poorly to very poorly	Glacial lakebeds
Lima silt loam (LnA, LnB)	0-10 (0-15) -14 (36) -25 (-64) -33 (84) -60 (-152)	V DK GR BR BR DK BR DK GR BR RD GR	SI LO SI LO LO GV LO GV LO	0-3, 3-8	Moderately well	Drumlins, till plains
Lyons soils (Ly)	0-10 (0-25) -19 (-48) -25 (-64) -34 (-86) -79 (-201)	BL LT GR GR BR GR BR PK GR	SI LO SI LO SI CL LO GV SI LO GV LO	0-3	Poorly	Drainage ways
Niagara silt loam (Ng)	0-10 (0-25) -15 (-38) -25 (-64) -27 (-69) -60 (-152)	DK GR DK BR LT BR DK YL BR LT BR	SI LO SI LO SI LO SI SI - CL	0-2	Somewhat poorly	Lake plains
Odessa silt loam (OdA)	0-7 (0-18) -23 (-58) -45 (-114) -56 (-142) -60 (-152)	DK RD BR RD BR RD BR & BR PK, BR, YL BR, OL YL BR & DK YL BR	SI LO CL SI CL SI & CL SI & V F SA	0-2	Somewhat poorly	Glacial lakebeds
Ontario loam (OnB, OnC)	0-8 (0-20) -25 (-64) -39 (-99) -60 (-152)	DK BR RD BR DK RD BR RD BR	LO V F SA LO GV LO GV LO	3-8, 8-15	Well	Till plains, drumlins
Ontario loam, eroded (OnD3)	0-8 (0-20) -25 (-64) -39 (-99) -60 (-152)	DK BR RD BR DK RD BR RD BR	LO V F SA LO GV LO GV LO	15-25	Well	Drumlins
Schoharie silt loam (SeB)	0-8 (0-20) -11 (-28) -19 (-48) -38 (-97) -60 (-152)	BR-DK BR RD GR RD BR LT RD BR LT RD BR	SI LO SI LO SI CI CL CL & SI	2-6	Moderately well	Lake plains

Color: BL = black; BR = brown; DK = dark; GR = gray; LT = light; OL = olive; PK = pink; RD = red; V = very; YL = yellow

Texture: CL = clay; F = fine; GV = gravelly; LO = loam; SA = sand, SI = silt; V=very

Forest Zone. The southern portion of Monroe County, including the project area, lies within the Elm-Red Maple-Northern Hardwood Forest zone (de Laubenfels 1966:92). This zone reflects conditions where poorly drained areas are widespread, the natural forest has been removed, and better-drained areas have been utilized for agriculture. The prevalence of elm and red maple is due to human impacts to the environment (de Laubenfels 1966:95). Project Sites 1 and 3 are characterized by open former agricultural fields and Project Site 2 is primarily covered in very dense brush.

Man-made Features and Alterations. All three project locations are generally undisturbed. Disturbance at Project Sites 1 and 3 (Erie Station Road and West Henrietta Road) is primarily minor disturbances related to former agricultural tilling and localized disturbances near the roadsides. Project Site 2 experienced similar disturbances associated with former agriculture (though it is presently overgrown in thick brush). Project Site 2 also has soil disturbances associated with the construction of the adjacent I-390 highway).

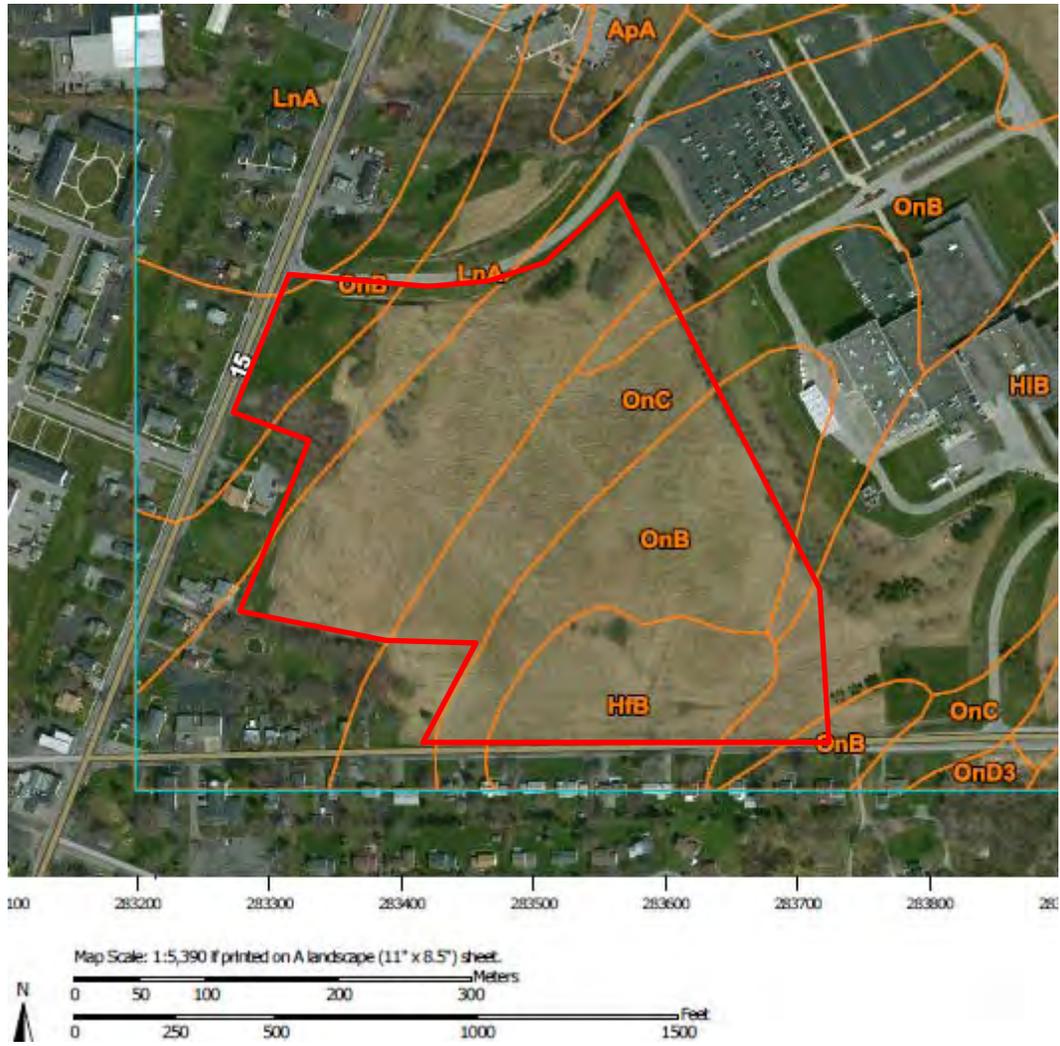


Figure 2. Soils within and adjacent to the approximate location of Project Site 1 Erie Station/West Henrietta Road Site (red polygon) (NRCS 2015).



Figure 3. Soils within and adjacent to the approximate location of Project Site 2 Calkins Road Site (red polygon) (NRCS 2015).



Figure 4. Soils within and adjacent to the approximate location of Project Site 3 4490 West Henrietta Road Site (red polygon) (NRCS 2015).

2.0 Historical and Archival Review

2.1 PREHISTORIC PERIOD

The three major cultural traditions manifested in western New York State during the prehistoric era were the Paleo-Indian, Archaic, and Woodland. Cultural evolution of the area can be summarized as a gradual increase in social complexity, punctuated by several important cultural and/or technological innovations. The earliest people were nomadic big-game hunters (12,000 to 8000 BC). Ameliorating environmental conditions resulted in economic changes including the efficient exploitation of temperate forest resources by Archaic hunter-gatherers. In many areas of eastern North America, the Archaic (8000 to 1500 BC) is followed by a Transitional period (1500 to 1000 BC) that bridges the Archaic and the subsequent Woodland period. The Transitional period continues similar social and economic patterns from the Archaic, with important differences in artifact assemblages and burial practices (Ritchie 1980).

The Woodland tradition (1000 BC to AD 1600) is marked by the introduction of pottery, agriculture and burial mounds, and resulted in a plethora of new and very different social and economic adaptations (Ritchie 1980). After about 1000 BC, external influences began to have an increasingly greater effect as the area was occupied by tribes that evolved from antecedents in the area between the Genesee River and Tug Plateau and eventually formed the Haudenosaunee or Iroquois Confederacy. New social and economic changes occurred in settlement clustering and placement on the landscape, increased evidence of warfare, ceramic styles, burial and ceremonial practices, and the subsistence base (Tooker 1978; White 1961; Tuck 1978a). The western-most nation within the Confederacy, the Seneca, expanded the range of their trade during the seventeenth century into the traditional areas of other Iroquoian groups. Thus, by the mid-seventeenth century, the Haudenosaunee emerged as a politically, militarily, and economically united Confederacy with sole access to both the land and resources surrounding the lower Great Lakes (Abler and Tooker 1978).

Paleo-Indian Period (ca. 12,000-8000 BC). Hunter-gatherer bands of the Paleo-Indian culture were the first humans in New York State after the last glacial retreat approximately 14,000 years ago. At this time, Lake Ontario and the St. Lawrence River were locked in ice, and the project area would have been underneath an ice sheet. It is possible, however, that the environmental fluctuations that occurred during this early period were conducive to periodic forays by the Paleo-Indian groups into the region when conditions were suitable. Micro-environments such as glacial lakes, boggy areas, and swamps probably attracted game animals and concomitantly humans. As the climate gradually became more temperate, these forays may have become more extended (Fitting 1975:27-28).

The Paleo-Indian subsistence strategy has traditionally been viewed as one that emphasized hunting big-game species. These species, many of which are extinct, included mastodon, mammoth, great beaver, caribou, and moose-elk, along with a variety of smaller game. The remains of mastodon and Pleistocene peccary have been found in central Monroe County south of the southern extent of glacial Lake Iroquois. In addition, mastodon and mammoth remains have been found in Monroe and Livingston counties. Two mastodon sites have been located in southeastern Monroe County, in the general area of the towns of Pittsford and Perinton. Three mastodon sites, one also including Pleistocene peccary, have been identified in the western section of the City of Rochester (Ritchie 1980:4, 10-11). Few tool associations have been made with aquatic resource remains, although this diverse and abundantly available food resource was probably utilized once water conditions allowed (Funk 1972:11; Ritchie 1980; Salwen 1975).

Adapted to the harsh tundra or park/tundra environment, Paleo-Indians utilized a nomadic settlement system in which their movements were directed by the migration of large game animals. During the seasonal peaks of resources, larger populations occupied strategically located large camps; and during periods of low resource potential, the population dispersed, occupying small camp sites and rockshelters on a temporary basis. A band-level social organization is attributed to Paleo-Indian groups, with each band consisting of 25 or 30 people (Snow 1980; Fitting 1968; Funk 1978). As climatic conditions allowed more permanent occupation of an area, this wandering became more restrictive and bands settled into loose territories.

Ritchie and Funk (1973:333) have classified Paleo-Indian sites into two main categories: quarry workshops and camps. These categories are further subdivided into large, recurrently occupied camps, small special-purpose camps, and caves or rockshelter sites. Chert quarrying and the preliminary stages of tool production were carried out at the tool workshops (Gramly and Funk 1990:13). Located near the margin of extinct glacial lakes, many Paleo-Indian sites in the Northeast are located on elevated areas "where good drainage, meaning a dry living floor, was an important consideration" (Funk 1978:18). These hills or rises also served as loci for monitoring the migratory patterns of game species.

Technologically, the Paleo-Indian period has been associated with the fluted Clovis point industry. These points are generally large (2.5 to 10 centimeters [1 to 4 inches] in length), with a flute on each face that facilitated hafting (Funk and Schambach 1964; Snow 1980). Neither Paleo-Indian sites nor fluted points have been identified in the vicinity of the current project area (Ritchie 1980:4). However, three fluted points have been recovered in Monroe County. Fluted points gradually decreased in size as larger game animals moved north or became extinct (Kraft 1986:47) and were eventually replaced in the late Paleo-Indian period (8000-6000 BC) with unfluted triangular points, stemmed points and Plano points. The last are lanceolate-shaped points without flutes (Kraft 1986; Ritchie 1980). This general Paleo-Indian adaptive pattern overlapped the beginning of the subsequent Archaic period, leading some to refer to the earlier periods of the Archaic as a transitional stage.

Archaic Period (ca. 8000-1500 BC). The Archaic period is differentiated from the Paleo-Indian period by a stylistic shift in lithic assemblage, an apparent increase in population, changes in the subsistence strategy, and a less nomadic settlement system (Funk 1978; Tuck 1978b). These changes reflect an adaptation to an improved climate and a more diversified biome (Funk 1972:10). Three subdivisions are generally recognized for the Archaic: Early, Middle, and Late.

The Early Archaic tool kit consisted of Hardaway, Dalton, Palmer corner-notched, Kirk corner-notched, and bifurcate base points which frequently had serrated edges (Funk 1993). People of the Early Archaic used end scrapers, side scrapers, spokeshaves, drills, graters, choppers, hammers, and anvil stones. Moreover, bifurcate base points were found incidentally during Ritchie's (1945) excavation of the Late Archaic site at Frontenac Island. Although archaeological sites from these periods are rare and poorly understood for the Finger Lakes region, important sites from the Early and Middle Archaic have been found in eastern New York, in Ulster County and near Sylvan Lake (Dutchess County), as well as western Connecticut, the upper Delaware valley, and the Susquehanna valley (Dent 1991; Funk 1991, 1993; Nicholas 1988). Sites from these periods cluster along major rivers and marshy, swampy land as well as lowlands.

In addition to an improved climate and more diversified biome, a few technological changes, such as the production of ground and polished stone tools, serve to identify the Middle Archaic period (6000-4000 BC) (Funk 1991; Kraft 1986). The bannerstone, probably used as an atlatl weight, and the bell pestle were Middle Archaic innovations. People began to develop woodworking tools during this period, using coarse-grained stones and river cobbles as their raw materials. These stones were commonly available in large sizes and allowed toolmakers to reserve high quality lithic materials for finely flaked tools. The Middle Archaic tool kit included anvil stones, choppers, netsinkers, an array of projectile points, axes, adzes, gouges, and other woodworking implements (Braun and Braun 1994; Funk 1991; Kraft 1986).

Changes in the cultural system were not qualitative, however; more elaborate planning seems to have been devoted to seasonal scheduling (Snow 1980; Mason 1981). The territorial "settling in" process begun during the Early Archaic continued into the Middle Archaic, stimulating a process of group isolation. Sites from these periods cluster along major rivers and marshy, swampy land as well as lowlands.

During the Late Archaic period (4000-1500 BC) hunting, fishing, and gathering remained the principal daily activities, although greater emphasis was placed on deer and small game like birds and turtles, shellfish, nuts and possibly wild cereal grains like *Chenopodium*. Charred acorn shells were found in hearths at the Lamoka Lake site in Schuyler County, New York, about ten miles west of Seneca Lake (Ritchie 1980).

Associated with the shift in subsistence strategies was the increase in population densities, and as population increased, camps became larger and more numerous. People still lived in bands whose territories may have been well defined. They moved seasonally or when resources dwindled. Most sites of the Late Archaic period were seasonal, special purpose habitation sites. These include winter hunting camps, spring fishing stations, fall nut-gathering and processing stations, and shellfish processing. Principal settlements such as Frontenac Island, Lamoka Lake, and Geneva were located near major rivers or lakes and were multi-activity spring and summer villages (Ritchie and Funk 1973). Groups probably congregated cyclically for exchange and socialization.

Southern Monroe County and the counties to the south of the project area have been extensively studied by William Ritchie (1980). Numerous Lamoka-phase beveled adzes have been found along the Genesee River, as well as the creeks and rivers that flow into the Genesee. Ritchie's interpretations of the Lamoka phase are based largely on his excavations of four sites: Lamoka, in Schuyler County, Geneva, in Seneca County, Scottsville, or Woodchuck Hill, in Monroe County, and Frontenac Island, in Cayuga County (Ritchie 1980:36). The Scottsville/Woodchuck Hill site is located in the Town of Wheatland. About one mile south of Monroe County is the Late Archaic North Avon site, Town of Avon, Livingston County.

Artifacts characteristic of the Late Archaic Lamoka phase include hammerstones, anvils, beveled adzes and Lamoka points, which are small, narrow-bladed, thick-stemmed or side-notched points (Ritchie 1980:36). Ritchie and Funk (1973) argue that several of the Finger Lakes Lamoka-type sites are unique in being permanent, sedentary, or semi-sedentary villages supported by food storage in addition to an optimum mix of a broad range of food resources.

The Transitional period (ca. 1500-1000 BC) continues Late Archaic cultural and economic patterns, with only a few innovative traits. Among these are a developing burial/ceremonial complex and, toward the end of the period, the introduction of ceramics. The shift to pottery appears to have been preceded by the adoption of steatite or soapstone pots which made cooking and food preparation easier (Funk 1993:198). The earliest pottery in New York State (Vnette 1 type) has been radiocarbon dated to about 1250 BC at the Frost Island component of the O'Neil site on the Seneca River (Ritchie and Funk 1973:87).

Woodland Period (1000 BC-AD 1600). The definitive characteristic of the Woodland period in New York State is the creation and use of pottery, a development that occurred at different times from one location to another (Snow 1980:262). While the previous hunting and gathering economy continued as a means of subsistence during Woodland times, Native groups became more dependent on domesticated plants for food. Agriculture brought with it a score of new problems that required new adaptations and every aspect of Native culture was transformed. With agriculture came settled village life, a general increase in population, technological changes, warfare, and a litany of social and political changes. Early and Middle Woodland sites often contain exotic and numerous trade goods within burials, which suggest the existence of widespread exchange or trade networks.

In Ritchie's cultural-historical framework, the Early Woodland in central New York State (1000-100 BC) is defined as the time during which people manufactured Vnette I-type ceramic vessels, gorgets, tubular smoking pipes, bar amulets, boatstones, birdstones, and copper ornaments (Ritchie 1980:194; Ritchie and Funk 1973:96). During this time, people throughout the Northeast and Midwest interred the deceased with elaborate burial goods (Tuck 1978b:39-43). Those in central New York cremated the dead and buried them with items that included Meadowood projectile points and unnotched cache blades, copper objects, and birdstones. People almost never placed ceramic vessels in Early Woodland graves. Located in the Town of Rush, Monroe County, the Wray site was the first Meadowood phase site excavated. Consisting of a small cemetery, it was found in 1930 by Charles F. Wray on an estate named Meadowood, belonging to Delos Wray (Ritchie 1980:180).

During the early part of the Middle Woodland period (ca. AD 1-300) people in central and western New York participated in the Hopewell Interaction Sphere, a trade network that extended through large areas of the eastern woodlands and was centered in Illinois and southern Ohio. Archaeologically, this network is manifest as geometric earthworks and elaborate burials that have similar qualities across a large geographic area (Coe et al. 2000 [1980]:48-55).

The Middle Woodland period began when people diversified the techniques they employed to decorate their ceramic vessels. While Vinette I vessels were typically plain, people employed a variety of techniques to decorate their wares in the Middle Woodland, including impressions created with a corded stick, rocker-stamping, dentate-stamping, and pseudo-scallop shell stamping (Ritchie and Funk 1973:117; Ritchie and MacNeish 1949). The end of the period, which Ritchie argued came around AD 1000 (or shortly thereafter), occurred when people in central New York adopted the suite of characteristics he associated with the Late Woodland: primarily agriculture based on maize, beans, and squash; Owasco-style pottery (collarless vessels with elongate bodies, conoidal bases, slightly everted rims, and cord-wrapped, stick-impressed exterior decoration confined largely to their necks); and house structures resembling historical Haudenosaunee (or Iroquois) longhouses.

Ritchie believed people adopted these innovations relatively rapidly between AD 1000 and AD 1100. Recent studies, however, have demonstrated that none of these developments occurred at AD 1000, nor did they happen together at any other single time (Hart 1999, 2000, 2011; Hart et al. 2003; Hart and Brumbach 2003; Prezzano 1988; Schulenberg 2002). Moreover, this research has altered how events during the Middle Woodland are interpreted. The direct dating of maize using accelerator mass spectrometry (AMS), for example, has demonstrated that people in southern Ontario and central New York were growing the crop before AD 700 (Crawford et al. 1997:114-115; Hart et al. 2003:634). Meanwhile, Hart, Thompson, and Brumbach (2003:624-625) and Schulenberg (2002:160-164) have obtained AMS dates from charred residue on the interiors of Owasco vessels that indicate people were manufacturing those pots as early as the seventh century AD (see also Hart and Brumbach 2003:743-744). Beyond this, Hart has demonstrated that people did not construct longhouses in central New York before the beginning of the thirteenth century AD and that they did not likely grow beans until an even later date (Hart 1999, 2000, 2011).

The Late Woodland, in Ritchie's scheme for the Northeast, was the period between AD 1000 and the time at which Native people traded for or otherwise obtained European goods, the precise timing of which varied throughout the region. In the 1930s, Ritchie (1937[1936]) proposed dividing the Late Woodland into two shorter periods: the Owasco and the Iroquois (see also Ritchie 1944). At the time, he believed Iroquoian groups migrated to the New York State area and replaced the Algonquian Owasco people already living there (see Tuck 1971:11-14). Although, since the 1950s, researchers have generally accepted that Iroquoian speakers did not immigrate to the Northeast at the beginning of the Late Woodland, the distinction between Owasco and Iroquois periods has remained. Also, with the development of radiocarbon dating, the two have acquired distinct temporal boundaries, with the Owasco lasting from AD 1000 to 1300, and the Iroquois spanning the years thereafter (Hart and Brumbach 2003:747). In terms of material culture, the primary differences between the two entities are related to ceramic vessel form and decoration.

Although, as outlined above, some of the cultural developments Ritchie associated with the Late Woodland did not occur between AD 1000 and 1100, some—particularly those related to the development of an agricultural system based on maize, beans, and squash—did happen in the succeeding years. In fact, several developments appear to cluster around AD 1200 to 1300: the earliest evidence for longhouses and multiple household villages is from the thirteenth century AD and people added beans to their diets around AD 1300 (Hart and Brumbach 2003:744-746; Hart 2011). In addition, Snow (2000:30) notes that groups in central New York began surrounding their settlements with defensive palisades after AD 1200. During the later years of the Iroquois period, people in some areas began clustering their villages within the territories occupied by historically known Native nations (Snow 2000:46-51). Possibly in part because of the large amounts of wood consumed during the construction and maintenance of these settlements, as well as that needed for firewood, inhabitants periodically relocated their villages roughly every 10 to 20 years (Engelbrecht 2003:101-103). Other factors such as soil exhaustion, game depletion, refuse accumulation, and chronic warfare also may have been contributing factors (Sykes 1980; White 1960, 1961, 1963). Game depletion, in particular, may have been a strong motivation for village movement, since deer provided a resource for both food and clothing (Gramly 1977). In several cases, researchers have reconstructed parts of the resulting sequences of settlements and produced detailed data concerning local culture change and the effects thereon of contact with Europeans (e.g., White 1961). However, many questions regarding New York State's Woodland inhabitants remain unanswered.

Contact Period (AD 1500–1650). During the late Prehistoric and Contact periods, tribal clusters of Iroquoian-speaking peoples were distributed throughout New York State and lower Ontario. Comprising several thousand people in at least one, and usually several, villages in proximity to one another, each tribal cluster was separated from the others by extensive and widespread hunting and fishing areas (Trigger 1978:344; Engelbrecht 2003). Native American groups in western New York were profoundly affected by the introduction of the fur trade, long before the arrival of a permanent European-American population in the area. This period dates the beginning of the end of traditional Native American cultural patterns due to ever-increasing political, military, religious and economic interactions with Europeans.

Cultural changes within the Late Woodland period laid the groundwork for the development of the Five Nations of the Iroquois (Haudenosaunee) during the historic period (Tuck 1971; Snow and Starna 1986). In central New York, this occurred in three areas: the western Finger Lakes (Canandaigua, Keuka, Seneca, and Cayuga lakes), the Little Finger Lakes (Honeoye, Hemlock, Conesus, and Canadice lakes), and the Bristol Hills and Genesee valley (Cayuga and Seneca tribal emergence). This interpretation is based partly on settlement patterns. As noted, in both prehistoric and historic times the Haudenosaunee moved their villages at intervals and sequences of village movement spanning the prehistoric, protohistoric, and historic periods have been inferred for each of the individual Haudenosaunee nations, for example the Seneca (Wray and Schoff 1953; Wray et al. 1987); Seneca and Cayuga (Niemczycki 1984); Onondaga (Bradley 1987); and Oneida (Pratt 1976). Niemczycki (1987) argues that the merger or alliance of western Owasco and Ontario Iroquoian populations accounts for prominent characteristics of later Seneca culture, including the division of the Senecas into eastern and western branches. Seneca cultural history, village formation and abandonment sequences after AD 1500 took place in Ontario and Livingston counties (Niemczycki 1987; Vandrei 1988; Wray and Schoff 1953; Wray et al. 1987).

At the time of European contact, two Iroquoian peoples utilized the Genesee River valley: the Seneca and the Wenro. Both the Seneca and Wenro patronized large hunting territories beyond their village loci. The traditional territory of the Seneca was north and east of Hemlock Lake, and their hunting territory extended north to Lake Ontario and south to the Susquehanna River, and included the project area (Abler and Tooker 1978:505). At the beginning of the sixteenth century, Wenro villages were probably located around Oak Orchard Swamp north of Batavia in Genesee and Orleans counties, and their hunting territory extended from western Monroe County to the Niagara River (White 1978:407).

During this period traditional Native cultural patterns began to be affected by the increasing political, military, religious, and economic interactions with Europeans. Beginning in the last decades of the sixteenth century, the increasingly regular encounters between Europeans and Native Americans incubated a pandemic of European diseases among unprepared Native populations, which decimated many Native groups. The presence of typhus, smallpox, measles, and others ravaged Native communities (Brasser 1978:83).

In addition to the tensions introduced through simple contact with Europeans, trade has been recognized as having a major impact upon traditional aboriginal cultural patterns (Brasser 1978:83). The most immediate changes were a result of the introduction of a superior material culture. Once the fur trade was established, assuring a stable supply of these goods, the manufacture of Native goods rapidly declined until they were entirely replaced by European manufactured implements. Finally, changes occurred in sociopolitical relationships after 1640 as the fur trade intensified and the supply of furs declined. The most important of these changes was the formation of confederations such as the Five Nations Confederacy (Haudenosaunee), the Neutral Confederacy and the Huron Confederacy.

2.2 HISTORIC PERIOD

For almost all of the seventeenth and eighteenth centuries European activities in central and western New York involved limited religious, commercial, and military endeavors. The French were the first Europeans to penetrate the valley of the Genesee River. As early as the 1610s, Catholic missionaries and French traders were establishing contacts with Native groups in the region. Etienne Brulé reputedly

traversed the area between present-day Attica and Mount Morris south of the project area in 1615. These visits, however, were infrequent until the 1650s. The earliest recorded Jesuit contact with the Seneca occurred in 1656 when Pierre Joseph Marie Chaumonot visited them at Gandagara (the Boughton Hill site; now, Ganondagan, a New York State Historic Site) in the Town of Victor, Ontario County) southeast of the project area. He reported that the Seneca had two large villages in addition to several smaller ones. The Jesuits finally returned to the western Finger Lakes in 1668 when permanent missions were established among the Seneca under the direction of Jacques Frémin and Julien Garnier. Jean Pierron re-established the Jesuit mission of St. Jacques at Gandagara, at about that time. While the sowing of Christianity among the Haudenosaunee by the Jesuits generally bore little fruit at that time, the missions had modest effects of moderating the hostility between the Haudenosaunee and the French. In 1669, as part of general reconnoitering and trade expeditions by the French along Lake Ontario, René-Robert Cavelier de La Salle entered Irondequoit Bay and was escorted to the Seneca village of Gannagaro (another name for Gandagara). Villages were noted to have been located near Irondequoit Bay and along the Genesee River (DeVoy 1895:12-14; Trigger 1978:349-352; Abler and Tooker 1978:505-507; Turner 1976 [1851], 1974 [1850]:143-147, 184; Tooker 1978:431-434; Blau et al. 1978:492-493).

By the seventeenth century, the fur trade was central to the Seneca economy who were adamant in protecting their role as suppliers of pelts. After 1600, however, the supply of animal skins diminished within Haudenosaunee territory and they began to expand the range of their hunting and trading efforts into the traditional areas of other Iroquoian groups. Between 1638 and 1655, large-scale concerted attacks by the Seneca against their rivals in western New York secured the resources of the Niagara Frontier. The Haudenosaunee “dispersed” (i.e., exterminated or assimilated) the Wenro (by 1638), the Huron Confederacy (1649), the Petun (1650), the Neutral Confederacy (1651), and the Erie Confederacy (1655). By the mid-seventeenth century, the Haudenosaunee emerged as a politically, militarily, and economically united confederacy with sole access to both the land and resources surrounding the lower Great Lakes as well as their traditional areas around the Finger Lakes (Abler and Tooker 1978:505-507; Trigger 1978:354-356).

The relationship between the French and the Haudenosaunee fluctuated between grudging acceptance and outright war. In July 1687, Jacques René de Brisay, Marquis de Denonville, governor of New France (Canada), led an attack against the Seneca in an attempt to eliminate them from the fur trade. Denonville and his forces landed at Irondequoit Bay and moved southeastward into what is now Ontario County, where the principal Seneca villages were located. The Seneca, however, ambushed the French invaders before Denonville reached their principal eastern village, which the Seneca themselves burned prior to the ambush. After the attack, the Seneca, badly outnumbered, fled the field. The French destroyed the ripening corn crop and burned several vacated Seneca villages, two of which were located in present-day Ontario County, before retreating to reconstruct the fort at Niagara (Fort Denonville). Ganondagan was one of the villages destroyed during Denonville’s assault. The Haudenosaunee did not reach a lasting peace with the French until 1701 (Abler and Tooker 1978:506-507; Tooker 1978: 431-432).

In 1716 or 1717, the French constructed Fort des Sables (Fort of the Sands) on the west side of Irondequoit Bay near the present-day site of Sea Breeze. This prompted the British to erect Fort Oswego in 1727, which subsequently became their main frontier outpost during this period. The provisioning and protection of Oswego became a primary imperial concern (Abler and Tooker 1978:505-507; Trigger 1978:354-356; Peck et al. 1895:26). The rivalry between the British and the French in the New World reached a crescendo during the 1750s, when the two countries again went to war. Despite gaining total control over Lake Ontario during the early stages of the conflict, the French ultimately lost the French and Indian War and all of their North American colonies with the signing of the Treaty of Paris in 1763. Forts along the Lake Ontario shoreline saw most of the action (Turner 1974 [1850]:228-233; Aldenderfer 1982:III-30).

During the Revolutionary War, both the British and Americans enlisted the aid of individual Haudenosaunee nations in their battles within the frontier, as several of the nations allied with Great Britain and several with the Americans. Warfare initially remained well east of the region, but Britain’s efforts to cripple the frontier economy engendered raids by their Haudenosaunee allies against isolated farming communities, notably in the Mohawk, Cherry, and Wyoming valleys. To end the attacks against

American settlers, Major General John Sullivan led a punitive assault into the heart of Haudenosaunee country in 1779. The Continentals, utilizing "scorched earth" tactics, destroyed more than 40 villages and hundreds of acres of crops in an area between the eastern Finger Lakes and the Genesee River. Many Haudenosaunee, burned out of their central New York villages, sought refuge at Fort Niagara where they suffered through a difficult winter of hardship and hunger (Abler and Tooker 1978:507-508; Ellis et al. 1967:116-117). Provisioned and armed by the British, groups of Haudenosaunee periodically harassed colonial settlements until the end of the war, but were not a major military threat.

The British and their Loyalist allies were expelled from the new United States after the Treaty of Paris (1783) ended the Revolutionary War, although the British did not vacate forts along Lake Ontario or farther west until 1796. The Haudenosaunee, abandoned in the United States by their British allies after the Treaty of Paris, were forced to make peace as separate nations with the Americans. As a result of the Second Fort Stanwix Treaty (1784), the Haudenosaunee relinquished all their land west of the Niagara River. This treaty was disputed by several groups of Haudenosaunee until 1794, when a treaty was signed at Canandaigua between the United States government and the Six Nations which defined the boundaries of Seneca lands and the reservations to the other Haudenosaunee nations (Abler and Tooker 1978:508).

With the return of peace, settlers and land speculators again began to trickle westward, exerting pressure to open up land formerly occupied by the Haudenosaunee. However, border disputes between New York and Massachusetts, both of which claimed the new western territories, frustrated the actual, legal sale of these lands. Under an agreement signed in Hartford, Connecticut, in 1786, the land once occupied by the Haudenosaunee came under the jurisdiction of New York State. Nonetheless, the Commonwealth of Massachusetts maintained the right to sell the land west of Seneca Lake. During the next decade large grants of land in New York would be sold to private investors who would attempt to open the land to settlement (Ellis et al. 1967:152-156; Schein 1993:5-8; Abler and Tooker 1978:507-509).

The Commonwealth of Massachusetts sold the rights to the entirety of western New York (more than 6 million acres) to a syndicate of land speculators headed by Oliver Phelps and Nathaniel Gorham. This land, called the Phelps & Gorham purchase, became Ontario County in January 1789. Financial troubles soon undermined the syndicate's efforts to sell parcels within their eponymous purchase to settlers. These difficulties ultimately led to the group's forfeiture of the western two-thirds of the tract in 1790 in exchange for retention of title to the eastern third. Massachusetts sold the remaining unsurveyed portion of the area to Robert Morris in 1791. Morris sold a portion of this land to Sir William Pulteney, William Hornby, and Patrick Colquhoun of London, England. Reserving a portion of the land for his own purposes (the so-called "Morris Reserve"), Morris sold the remainder to a consortium of Dutch investors called the Holland Land Company in 1792-1793. All of what is now Monroe County, except for the three western townships (Hamlin, Clarkson, and Sweden), was included within the Phelps & Gorham Purchase. The three western towns were part of Morris's purchase. Named for the fifth President of the United States, James Monroe, Monroe County was created from Genesee and Ontario counties in February 1821 (Turner 1974 [1850]:396-403; DeVoy 1895:15-16; Ellis et al. 1967:154-156; Halsey 1999).

Native American title to the land in western New York was largely extinguished with the Treaty of Big Tree in 1797, when the Seneca sold most of their remaining lands, except for their riverine reservations, to Robert Morris for \$100,000 and individual cash payments to specific Seneca leaders. The population of the Seneca in New York State at about the time of the Big Tree treaty is estimated to have been between 1,700 and 1,800, with one-third living along the Genesee River, one-third at the Buffalo Creek reservation, and the remainder spread among the other reservations (Abler and Tooker 1978:509).

Settlement of what is now Monroe County began in 1788, when Ebenezer Allen, a notorious Tory sympathizer, erected a log cabin on 470 acres along the Genesee River, near the present-day site of Rochester. Despite erecting a mill along the river in the future city, he eventually relocated to Canada. Other early settlers of the county included Simon and Israel Stone near Pittsford, Glover Perrin at Perinton, Peter Shaeffer near Scottsville, Orange Stone in Brighton, and William Hincer at the mouth of the Genesee along the lake. During the years before the War of 1812, settlements sprung up in various parts of the county, although general growth was inhibited by poor transportation and the dense forests (McIntosh 1877; Halsey 1999).

Originally part of the Town of Northfield (Ontario County) in 1796, the Town of Henrietta was formed from the Town of Pittsford in March 1818. The town is located in the south-central portion of Monroe County with the Genesee River forming its western boundary. Major Ezekiel (or Issac) Scott, receiving a grant of 900 acres along the Genesee River, erected a log house in 1790, and attempted to farm a portion of his lot. After two years of frustration, he abandoned the area and the land was subsumed under the Phelps and Gorham purchase. Permanent European-American settlement began in 1806 when Lyman and Warren Hawley built a log house and grew wheat on 70 acres in the east part of town. Also in 1806 Jesse Pangburn cleared an area near the four corners of West Henrietta and erected a farmstead. Other early settlers included Charles Rice, William Thompson, Thomas Sparks, Selah Reed, Gideon Griswold, Jonathan Russell, and Benjamin Hale (McIntosh 1877:19, 247; Peck 1908:403; Halsey 1999; Elam 2003).

Named for Henrietta Laura Pulteney, Countess of Bath, the daughter of Sir William Pulteney, the town slowly diversified its economy through the development of rural enterprises. Sarah Leggett taught the first school in 1809; James Smith operated the first store in 1811; Jonathan Smith, a Quaker, erected the first sawmill in 1811, and Eager Wells built the second sawmill shortly thereafter. Daniel Richards operated a tannery in 1813, which supplied leather to Phineas Baldwin and Mr. Austin for shoes and leather goods. John Gooding ran the first distillery, and Sidney Warner and Daniel Henges were chairmakers. In 1811, the Baptist Church became the first organized church in the town (Peck 1908:403; Halsey 1999; McIntosh 1877:246). By 1812, the town supported six asheries, three sawmills, and one brickyard (Elam 2003).

While some residents profited from the shipping trade during the War of 1812, many settlers left the area from fear of British reprisals. In September 1813 and May 1814 British forces under the command of Admiral Sir James Yeo threatened to attack the Charlotte and Irondequoit Bay areas, but their bluster was not backed by gunfire. After the war, settlement resumed. Leonard Stoneburner operated a schooner out of the bay and conducted a lucrative shipping business (McIntosh 1877:27-31; DeVoy 1895:25-26).

Other settlements developed at crossroads. Calkins Corners emerged at the intersection of Calkins and East Henrietta roads; Stevens Corner was at Wadsworth (Pinnacle) and Calkins roads; another developed along East Henrietta and Lehigh Station road (referred to as the East Village); and another was located at West Henrietta and Erie Station roads (referred to as West Henrietta) (Elam 2003). On the west side of town a store was opened by David Jeffords atop Methodist Hill (near Project Site 3 4490 West Henrietta Road Site). After initial settlement and land clearing, taverns would follow and a hotel was kept by Henry Chapman on the southeast corner of West Henrietta and Erie Station Roads by 1820 (near Project Site 1 Erie Station/West Henrietta Road Site) (Elam 2003).

The hamlet of West Henrietta is located southwest of the center of the town at the what is now intersection of West Henrietta and Erie Station roads. Moses Swift ran the first blacksmith shop in West Henrietta in 1816, which passed through numerous owners prior to 1880. The first formal store in the village was opened by Billings and Bush, sons-in-law of Lyman Hawley, in 1829 and was still in operation in 1877. David Jeffords ran a grocery store out of a log house prior to 1820. The first hotel in the village was founded by Henry Chapman ca. 1820, although Lyman Miller kept a log hotel as early as 1817. By the 1870s, A. Williams operated a foundry and a steam sawmill in the village. Jacob and Peter Martin opened the first wagon shop in West Henrietta in the 1840s. By 1877, the shop was owned by William J. Kimball and William Churchill (McIntosh 1877:248; Halsey 1999; Elam 2003). By 1860, the village had a church, a steam mill, a furnace, extensive carriage shops, and 40 houses (Halsey 1999; see Section 2.3.3 Historical Map Review for a selection of maps showing West Henrietta).

The area received a tremendous economic boost when the Erie Canal was located through the village of Rochesterville (present-day City of Rochester). The canal between Rochester and Albany opened in 1823. Two years later, the Erie Canal linked Buffalo and Lake Erie with New York City when it opened October 26, 1825 (Shaw 1990:5-6, 181-187). Although small and not particularly swift, the streams and creeks in the vicinity of the project area powered early industry and included sawmills, creameries, and potasheries, and the forests provided material for log and frame houses, taverns, and hotels (McIntosh 1877:27-31). The completion of the canal attracted additional settlers to the area. Between 1820 and

1830 the population of the county jumped from 26,855 to 49,862, and by 1840 was over 60,000. The City of Rochester was incorporated in April 1834 (Halsey 1999).

Another waterway was developed to connect the fertile farmland along the Genesee River to the Erie Canal. With construction starting in 1837, the Genesee Valley Canal was dug along the west bank of the Genesee River between Rochester and Olean, although construction wasn't completed for nearly twenty years (1856). Generally unsuccessful, the canal was abandoned and sold in 1880 to the Genesee Valley Canal Railroad company (later the Western New York & Pennsylvania Railroad).

By 1852, the Genesee Valley Railroad ran for approximately 18 miles along the east side of the Genesee River and connected Rochester, Henrietta Station, and Avon, among other locales. This line paralleled West Henrietta Road approximately 4,000 ft (1,220 m) to the west of the road (Browne 1858; Beers 1872). The Erie Railroad operated this line in 1902. At the end of the nineteenth century a branch of the Lehigh Valley Railroad ran southeast through the town, east of the hamlet of West Henrietta and immediately adjacent to Project Site 2 Calkins Road Site. This nexus of railroad lines was still extant in 1924 (Halsey 1999; McIntosh 1877:45; Lathrop and Pidgeon 1902; G.M. Hopkins Co. 1924).

Agriculture formed the predominant economic activity of the area until well into twentieth century. During the early days of settlement, income from trapping and hunting of bears, wolves, deer, and other animals, supplemented or exceeded that from agricultural production (McIntosh 1877:213). At that time, wheat was the great staple, but after the Civil War and the opening of the great Midwest wheat fields, barley, corn, and oats were the staples. Many farms also grew fruit, especially apples, pears, peaches, and occasionally grapes. In the twentieth century, dairying and stock raising became predominant farm specialties (Peck 1908:430; Halsey 1999).

During the middle of the twentieth century, internal improvements such as a sewage system and new water and gas lines laid the foundation for increased residential settlement. The population of the town increased from less than 3,000 in the 1940s to more than 14,000 in the 1960s. Completed in 1955, the New York State Thruway (Interstate-90) extends through the town north of the Project Site 1 Erie Station/West Henrietta Road Site. Located less than ten miles from the City of Rochester, the West Henrietta area has been affected by suburban residential and commercial development. I-390 and other improved highways, such as Route 15A, serve to connect the area to the City of Rochester as well as suburban employers. I-390 roughly parallels West Henrietta Road east of the road and is immediately adjacent to Project Site 2 Calkins Road Site and just east of Project Site 3 4490 West Henrietta Road Site and Project Site 1 Erie Station/West Henrietta Road Site (see Figure 1). Subdivisions, such as Palomar Heights south of Route 253, provide suburban residences for the area's growing population. Founded in 1829 in the Village of Rochester, what is now the Rochester Institute of Technology relocated to the Town of Henrietta in 1968. It has a present enrollment of more than 15,000 full and part-time students. The population of the Town of Henrietta was 39,029 in 2000 and 42,581 in 2010 (Elam 2003).

2.3 DOCUMENTARY RESEARCH

2.3.1 Site File and Archival Review. A review of the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) archaeological site and historic structures files through the online Cultural Resources Information System (CRIS) identified a total of 42 archaeological sites within one mile (1.6 kilometers) of the three Project Sites (Tables 2, 3, and 4). Since the three sites are relatively near to each other some of the archaeological sites are within one mile of more than one Project Site. Of the 42 archaeological sites 25 are precontact, 13 are historic Euro-American, three are multi-component precontact and historic, and one has no information, but it likely precontact.

The nearest archaeological sites to Project Site 1 Erie Station/West Henrietta Road Site are OPRHP A05507.000182 (Alcock Precontact and Historic Site) and OPRHP A05507.000183 (Stanton Precontact Site), both of which are approximately 50 ft (15 m) from the project site (see Table 2). The nearest archaeological site to Project Site 2 Calkins Road Site is New York State Museum (NYSM) 3901 (ACP MNR0 51; Camp, traces of occupation), a site identified by Arthur Parker whose boundaries subsume the

Project Site. Antiquarian archaeologists like Parker reported overly large site boundaries to obfuscate the actual site location from looters; the precise location is not known (see Table 3). The nearest archaeological site to Project Site 3 4490 West Henrietta Road Site is OPRHP A05507.000100 (Beebee Site; SUBi 1635; NYSM 10166, a nineteenth-century domestic scatter); the nearest precontact site to Project Site 3 is OPRHP A05507.000045 (Leghigh [sic] Road Site; UB 100; NYSM 1676, an unidentified precontact site), both of which are between 810 ft (247 m) and 825 ft (252 m) from the Project Site (see Table 3).

**Table 2. Archaeological sites within one mile of Project Site 1
Erie Station/West Henrietta Road Site.**

OPRHP #	Additional Site Name	Distance to APE ft (m)	Time Period	Site Type
05507.000021	Squire Club Site; UB 1399; NYSM 1957	3,315 (1,011)	Archaic	No information
05507.000026	Joseph Fagon Site; ROC 43-3; UB 89; NYSM 1677	900 (275)	Archaic (Lamoka)	Camp
05507.000032	Fagon #1 Site; UB 1401; NYSM 1956	3,900 (1,190)	Archaic (Laurentian)	Camp
05507.000033	Zornow Site; UB 1352	4,175 (1,273)	Precontact/ Historic (nineteenth century)	No information
05507.000036	Tirabassi #1 Site; UB 78; NYSM 2004	2,100 (641)	Archaic, Late Woodland	Camp
05507.000037		1,050 (320)	Unidentified precontact	No information
05507.000038	Buyck #2 Site; UB 1367; NYSM 2006	2,450 (747)	Historic	No information
05507.000039	Chase #1 Site; UB 1368	3,875 (1,182)	Historic	Stray find
05507.000040	Tirabassi #2 Site; UB 1395; NYSM 2007	2,465 (752)	Archaic	No information
05507.000041	Tirabassi #3 Site; UB 1396; NYSM 2008	2,000 (610)	Late Woodland	Stray find
05507.000042	Tirabassi #4 Site; UB 1397; NYSM 2009	175 (53)	Archaic (Lamoka, Brewerton)	Camp
05507.000043	UB 1366	980 (299)	Historic	No Information
05507.000045	UB 100; NYSM 1676 (Leghigh [sic] Road	5,240 (1,598)	Unidentified precontact	No information
05507.000046	Tubey Site; UB 1650; NYSM 5607 (Toby)	3,820 (1,165)	Archaic (Woodland)	No information
05507.000047	Bauchle House Site	3,850 (1,174)	Historic (nineteenth/twentieth centuries)	Standing ruins
05507.000048	Tobey House Site	3,950 (1,205)	Historic (nineteenth/twentieth centuries)	Midden
05507.000049	Carter House Site	4,620 (1,409)	Historic (nineteenth/twentieth centuries)	Historic house
05507.000059	Zurnow House Site	5,150 (1,571)	No information	No information
05507.000055	Vollmer School Site; Follett F97	3,000 (915)	Woodland	Camp
05507.000058	Red Creek #3 Site; Follett F100C; NYSM 8747	3,720 (1,135)	Unidentified precontact	Camp
05507.000066	Vollmer School #2 Site; Follett FMON 3	2,900 (885)	Unidentified precontact	No information

OPRHP #	Additional Site Name	Distance to APE ft (m)	Time Period	Site Type
05507.000081	Miller Archaeological Site; ANR-214	3,350 (1,022)	Unidentified precontact	Stray find
05507.000084	J. Keyes Residence Site; RMSC Roc-278	2,230 (680)	Historic (nineteenth century)	Midden
05507.000101	Sperry Site; NYSM 10165; SUBi-1636	5,400 (1,647)	Historic (nineteenth century)	Foundation
05507.000107	Alton Way Site; RMSC Roc-283	1,175 (358)	Archaic	Camp
05507.000108	Rubus Site; RMSC Roc-284	1,190 (363)	Archaic	Camp
05507.000109	Rooster Run Site; RMSC Roc-285	1,460 (445)	Unidentified precontact	Camp
05507.000182	Alcock Precontact and Historic Site	50 (15)	Late Woodland / 1838-1941	Camp
05507.000183	Stanton Precontact Site	50 (15)	Unidentified precontact / nineteenth century	Camp / historic scatter
05507.000184	Sherman's Corners Precontact Site	1,500 (458)	Unidentified precontact	Camp
05507.000198	Chapman Frazier Historic Site	825 (252)	Unidentified historic	Stray find
	NYSM 3897; ACP MNRO-47	2,950 (900)	Unidentified precontact	Village
	NYSM 8748	1,860 (567)	Unidentified precontact	Village
	NYSM 3942; ACP MNRO no #	250 (76)	Unidentified precontact	Burial
	NYSM 3898; ACP MNRO-48	3,750 (1,144)	Unidentified precontact	Camp

Table 3. Archaeological sites within one mile of Project Site 2 Calkins Road Site.

OPRHP #	Additional Site Name	Distance to APE m(ft)	Time Period	Site Type
05507.000045	UB 100; NYSM 1676 (Leghigh [sic] Road)	5,150 (1,571)	Unidentified precontact	No information
05507.000056	Red Creek #1 Site; Follett F100A; NYSM 8746	5,100 (1,556)	Unidentified precontact	No information
05507.000057	Red Creek #2 Site; Follett F100B; NYSM 8745	4,050 (1,235)	Unidentified precontact	No information
05507.000100	Beebee Site; SUBi1635; NYSM 10166	5,740 (1,751)	Historic (nineteenth century)	Domestic scatter
05507.000101	Sperry Site; NYSM 10165; SUBi-1636	4,000 (1,220)	Historic (nineteenth century)	Foundation
05507.000102	Middle Road Site; SUBi-1637; NYSM 10164	3,350 (1,022)	Historic (nineteenth century)	Domestic scatter
05507.000164	Michael Case House Historic Site; RGE-01	5,200 (1,586)	Historic (nineteenth/ twentieth centuries)	Domestic scatter
	NYSM 3901; ACP MNRO-51	0	Unidentified precontact	Camp, traces of occupation

Table 4. Archaeological sites within one mile of Project Site 3 4490 West Henrietta Road Site.

OPRHP #	Additional Site Name	Distance to APE m(ft)	Time Period	Site Type
05507.000021	Squire Club Site; UB 1399; NYSM 1957	2,700 (824)	Archaic	No information
05507.000032	Fagon #1 Site; UB 1401; NYSM 1956 [Fagan 1]	3,275 (999)	Archaic (Laurentian)	Camp
05507.000033	Zornow Site; UB 1352	2,625 (801)	Precontact/ Historic (nineteenth century)	No information
05507.000040	Tirabassi #2 Site; UB 1395; NYSM 2007	4,650 (1,418)	Archaic	No information
05507.000041	Tirabassi #3 Site; UB 1396; NYSM 2008	5,300 (1,617)	Late Woodland	Stray find
05507.000045	UB 100; NYSM 1676 (Leghigh [sic] Road	825 (252)	Unidentified precontact	No information
05507.000056	Red Creek #1 Site; Follett F100A; NYSM 8746	1,725 (526)	Unidentified precontact	No information
05507.000057	Red Creek #2 Site; Follett F100B; NYSM 8745	3,150 (961)	Unidentified precontact	No information
05507.000058	Red Creek #3 Site; Follett F100C; NYSM 8747	3,750 (1,144)	Unidentified precontact	No information
05507.000081	Miller Archaeological Site; ANR-214	3,060 (933)	Unidentified precontact	Stray find
05507.000100	Beebee Site; SUBi1635; NYSM 10166	810 (247)	Historic (nineteenth century)	Domestic scatter
05507.000101	Sperry Site; NYSM 10165; SUBi-1636	1,035 (316)	Historic (nineteenth century)	Foundation
05507.000102	Middle Road Site; SUBi-1637; NYSM 10164	2,075 (633)	Historic (nineteenth century)	Domestic scatter
05507.000164	Michael Case House Historic Site; RGE-01	4,155 (1,267)	Historic (nineteenth/ twentieth centuries)	Domestic scatter
	NYSM 3901; ACP MNRO-51	0	Unidentified precontact	Camp, traces of occupation

Early archaeological compendia such as Beauchamp (1900), Parker (1922), and Follett (1956) were consulted. Later archaeological work by Ritchie (1980) and Ritchie and Funk (1973) do not denote the presence of archaeological sites within the project areas.

Previous surveys. No investigations have been recorded in the files of the OPRHP accessible through CRIS as having been conducted for any of the three Project Sites. Numerous reports have been conducted for projects within the Town of Henrietta and within one mile of the Project Sites (Trubowitz and Dean 1975; Dean 2005; Fenton and Clark 2010; Morton 2011; Anonymous 2013; Wyatt 2013; Graupman and Ewing 2014; Powers and Somerville 2013, 2014a, 2014b, 2015, 2016). Some of these investigations, notably the Trubowitz and Dean report (1975), identified some of the sites in proximity of the Project Sites.

Register Listings. No National Register listed or eligible sites are within or immediately adjacent to the project area. The nearest National Register listed property is the Florendin Feasel House (13NR06485), which is approximately 4,500 ft (1,373 m) east of Project Site 3, and 3,350 ft (1,022 m) south of Project Site 2.

2.3.2 Historical Map Analysis. Six historical maps were reviewed for the project area (Browne 1858 [Figure 5]; Beers 1872 [Figure 6]; USGS 1895, 1920; Lathrop and Pidgeon 1902; G.M. Hopkins Co. 1924). The 1858 and 1872 town maps depicted no structures within Project Site 1 Erie Station/ West

Henrietta Road, but numerous structures south and east of the Project Site hugging the roadways. This area was identified as the hamlet of West Henrietta and as illustrated in a call-out map for each year. Structures were likely situated in the project area along West Henrietta Road, notably in the northwestern portion of the Project Site (Figures 7 and 8).

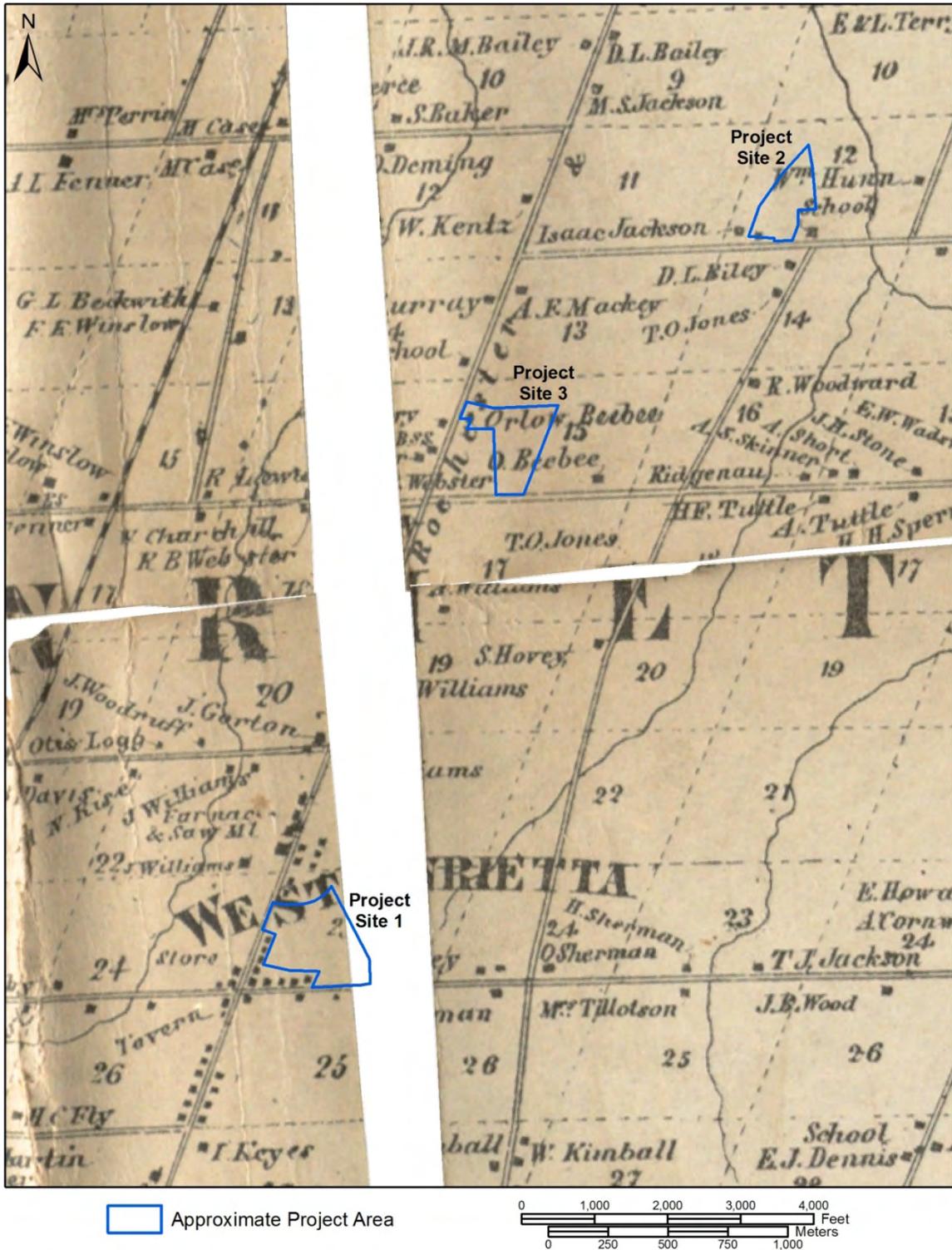


Figure 5. Approximate location of the project areas in 1858 (Browne 1858).

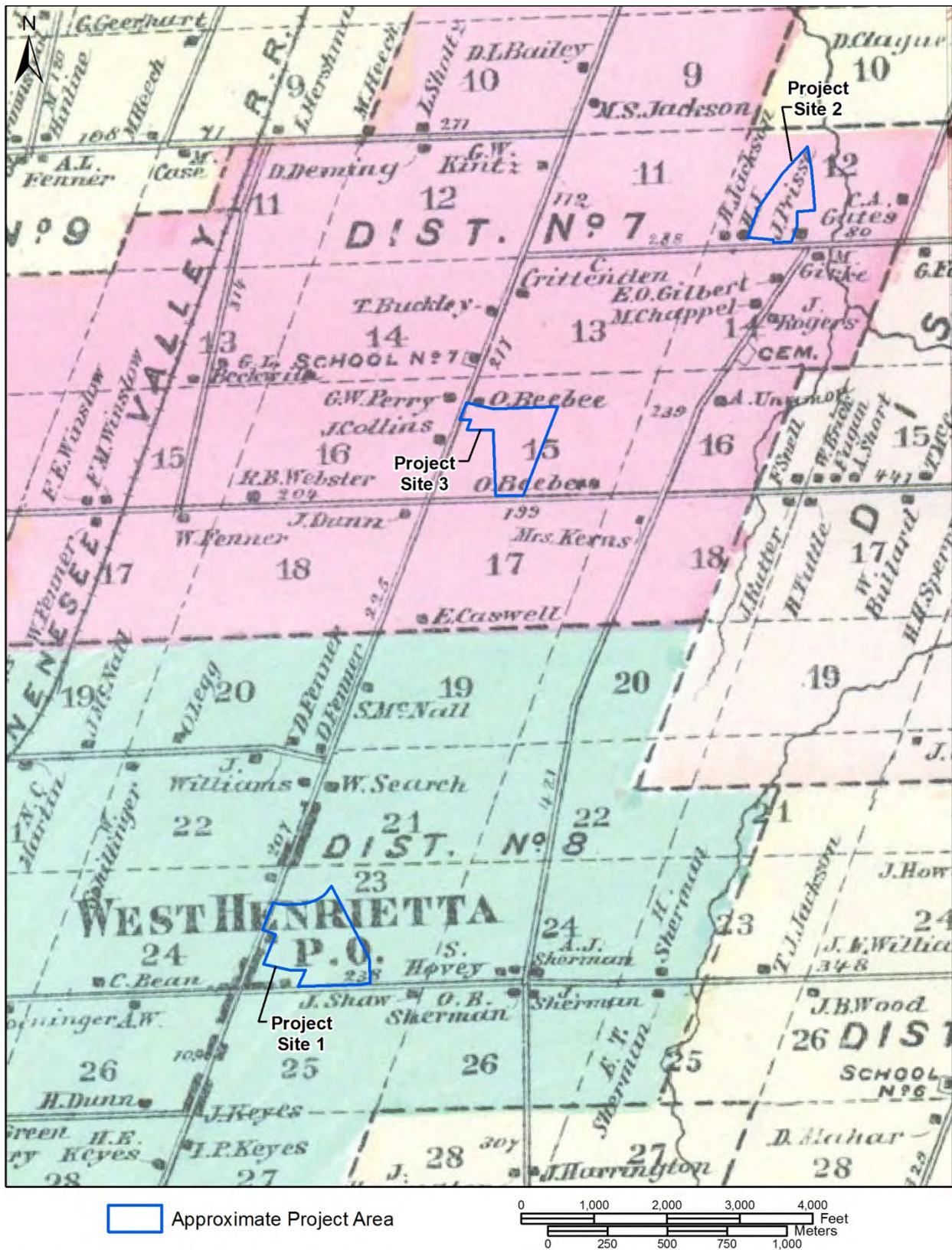


Figure 6. Approximate location of the project areas in 1872 (Beers 1872).

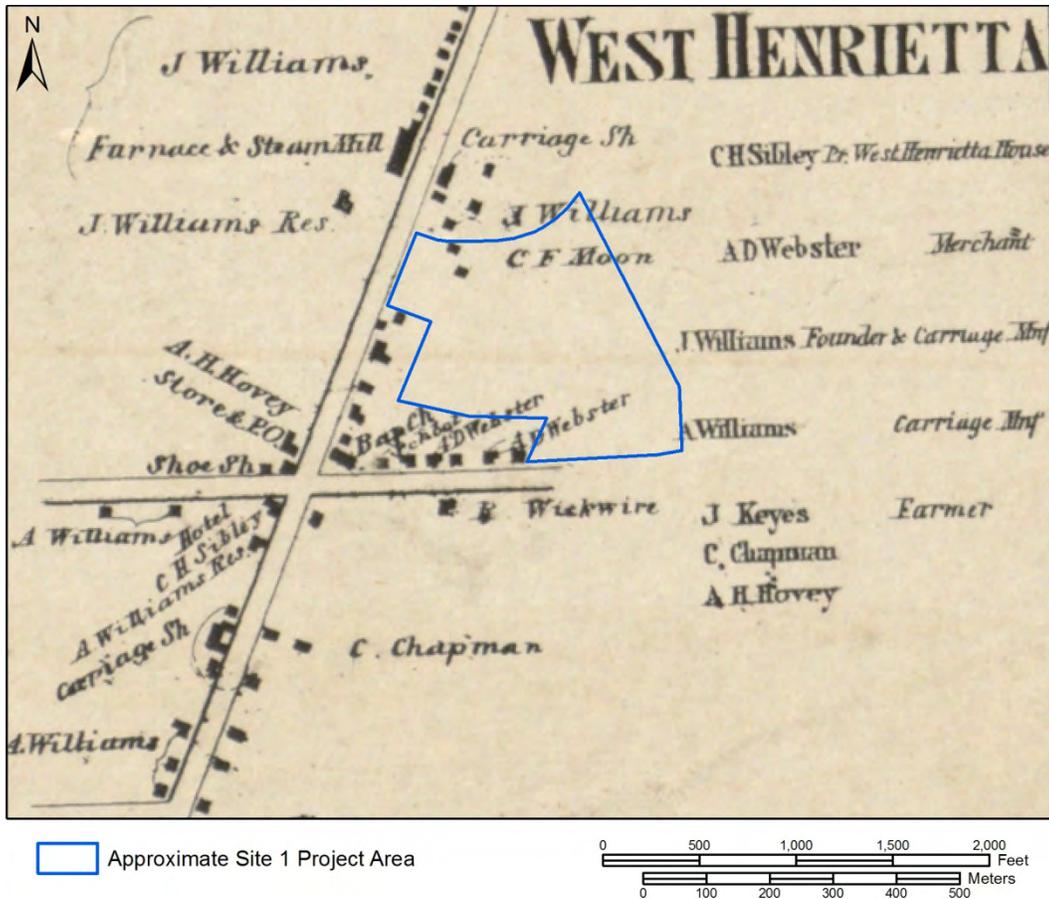


Figure 7. Approximate location of the Project Site 1 Erie Station/West Henrietta Road Site in 1858 (Browne 1858).

The 1858 and 1872 town maps showed one possible structure along Calkins Road at the far western end of Project Site 2 Calkins Road Site. In 1858 this structure was occupied by Isaac Jackson and in 1872 it was occupied by H. Jackson. Another structure was shown along Calkins Road immediately adjacent to the east end of the Project Site (see Figures 5 and 6).

The 1858 and 1872 town maps also showed one possible structure along West Henrietta Road in the northwestern portion of Project Site 3 4400 West Henrietta Road Site. In 1858 this structure was occupied by Orlow Beebee and in 1872 it was occupied by O. Beebee, who may have owned the entirety of lot 15 (see Figures 5 and 6).

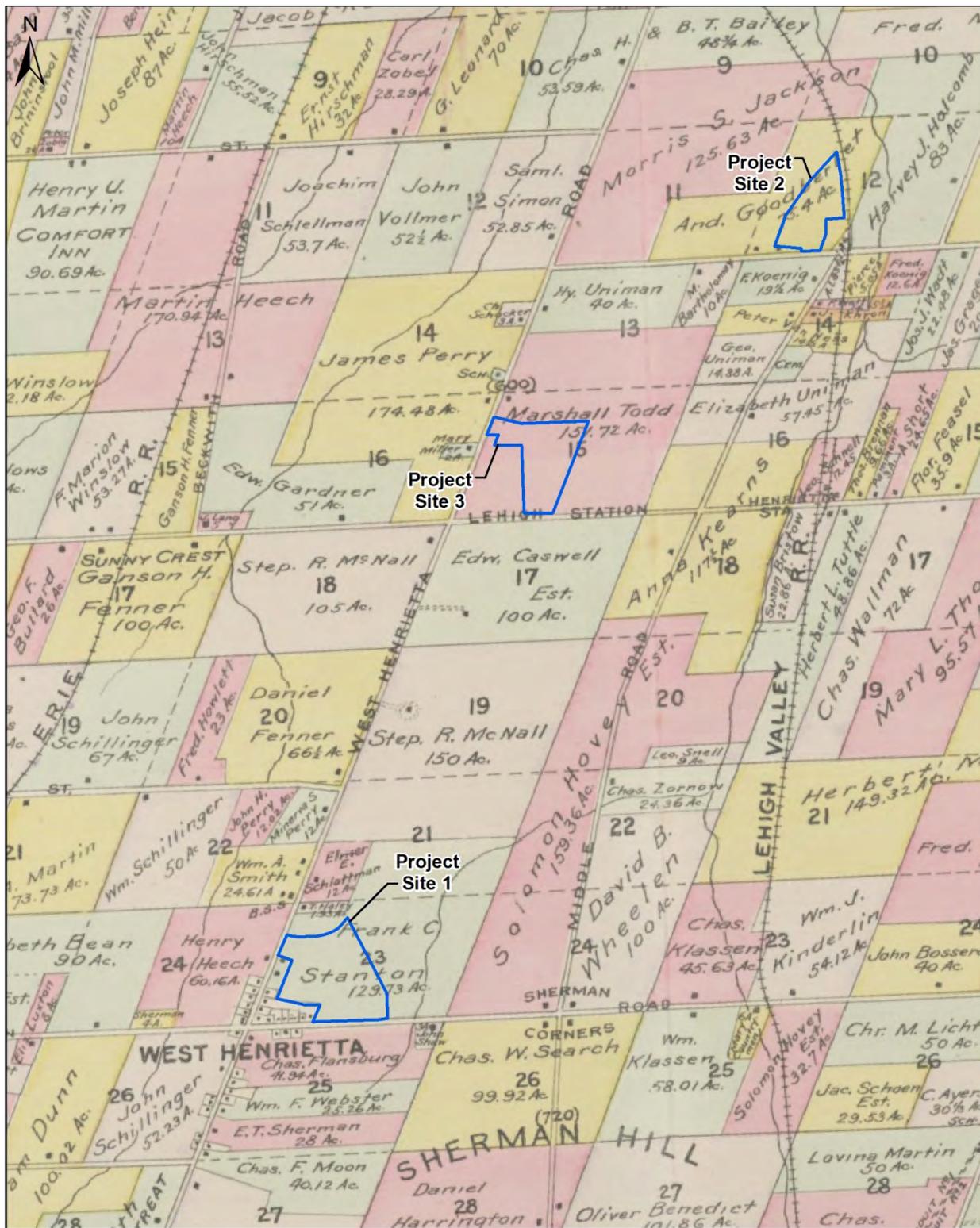
The layout of structures in proximity to the three Project Sites was largely the same during the early twentieth century (Lathrop and Pidgeon 1902 [Figure 9]; G.M. Hopkins Co. 1924 [Figure 10]). In 1902 Frank C. Stanton owned nearly 130 acres of lot 23 including all of Project Site 1 Erie Station/West Henrietta Road. The 1902 town maps depicted no structures within Project Site 1, but the 1924 town map illustrated two within the western edge of the Project Site. Frank Stanton owned 125 acres of lot 23 including all of Project Site 1 in 1924. Numerous structures are illustrated south and east of the Project Site hugging both Erie Station Road and West Henrietta Road. This area was illustrated in a call-out map for each year (Figures 11 and 12). Although these maps did not render any structures within Project Site 1, several were immediately adjacent to it along West Henrietta Road south of the Project Site (see Figures 11 and 12).

The 1902 and 1924 town maps showed one possible structure along Calkins Road within or immediately adjacent to far western corner of Project Site 2 Calkins Road Site (see Figures 9 and 10). This area appears to be the location as a structure occupied in 1858 by Isaac Jackson and in 1872 by H. Jackson. It was occupied by Andrew Goodberlet in 1902, and Mrs. Minnie Gutberlet in 1924 with additional outbuildings shown in 1924. Another structure was shown along Calkins Road immediately adjacent to the east end of the Project Site in 1924, but not in 1902. The tracks of the Lehigh Valley Railroad were also present along the east side of the Project Site beginning in 1895 (USGS 1895).

In 1902 Marshall Todd owned nearly 152 acres in lot 15 including all of Project Site 3 4490 West Henrietta Road. The 1902 town map did not show any structures within the Project Site or in proximity to it (see Figure 9). In 1924 Orrin Todd owned 147 acres in lot 15 including all of Project Site 3. One structure was depicted in the western portion of the Project Site along West Henrietta Road; other structures in proximity to this structure were shown north of the Project Site (see Figure 10). These structures were in a location similar to that of the structures occupied by O. Beebee in 1858 and 1872 (see Figures 5 and 6).



Figure 8. Approximate location of Project Site 1 Erie Station/West Henrietta Road Site in 1872 (Beers 1872).



 Approximate Project Area

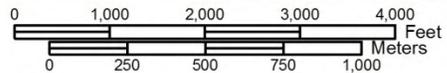


Figure 9. Approximate location of the project areas in 1902 (Lathrop and Pidgeon 1902).

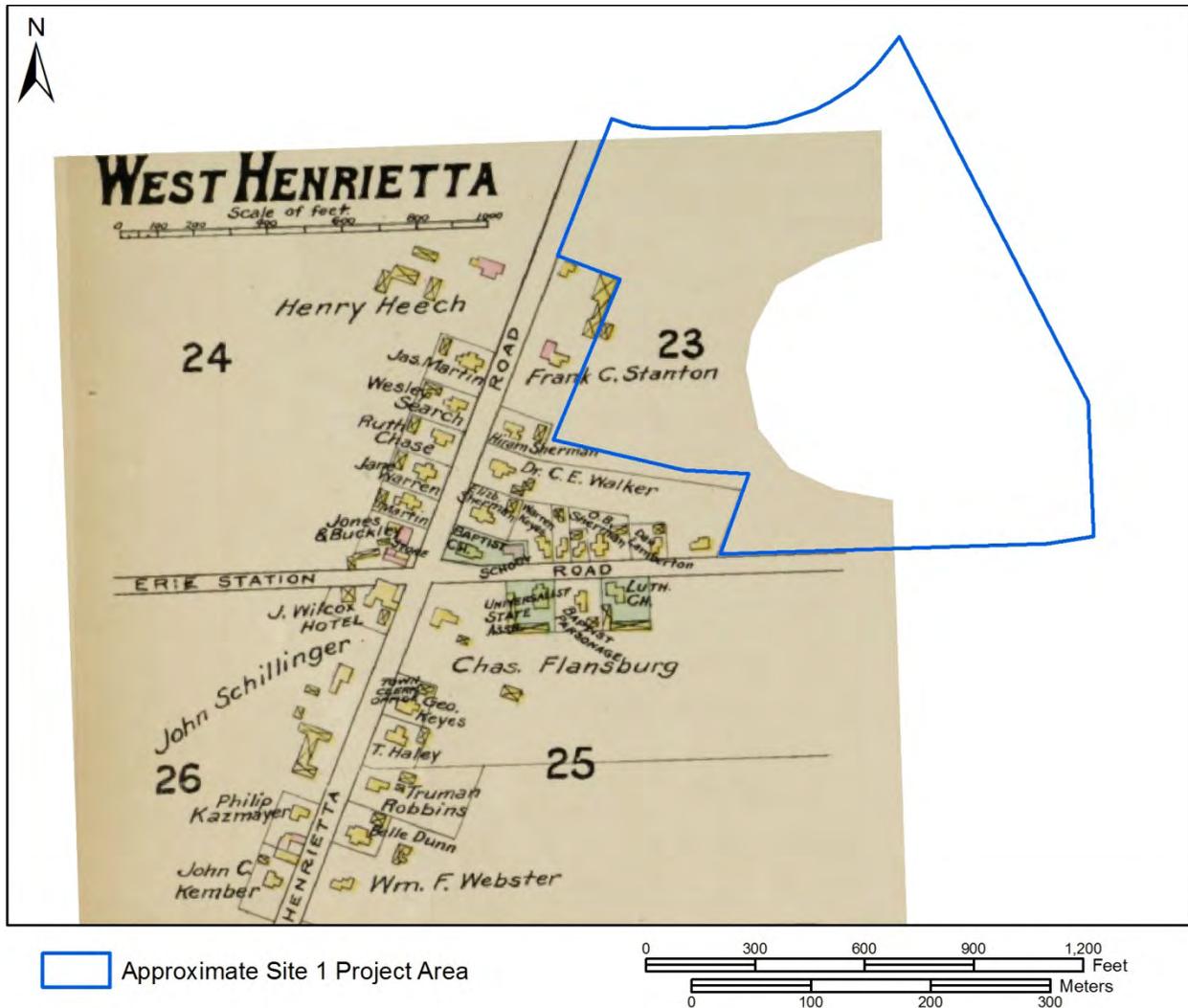


Figure 11. Approximate location of Project Site 1 Erie Station/West Henrietta Road Site in 1902 (Lathrop and Pidgeon 1902).

In 1941, the land owned by Frank Stanton in 1902 and 1924 had been acquired by Catherine E. Weider (Figure 13). Structures associated with the Stanton property (see Figures 11 and 12) that previously had been located adjacent to the Project Site 1 project area appeared in 1941 to be within the western edge of the project area. A lack of compatibility between early twentieth-century cartography and twenty-first century GIS may explain the disagreement regarding the location of the structures.

In 1941, no structures were depicted within Project Site 2 Calkins Road Site, and one structure was shown within Project Site 3 4490 West Henrietta Road Site (Figure 14). The structure shown in 1941 within Project Site 3 appears to be in the same location along West Henrietta Road as the structure depicted on the 1924 map (see Figure 10). It is unclear who resided in this structure in 1941, but the lot was part of a large area associated with the U.S.A. Resettlement Administration. The Resettlement Administration was a New Deal program that relocated struggling urban and rural families to communities planned by the federal government. Created in 1935, it was superseded by the Farm Security Administration in 1937.

No other structures were shown within any of the three Project Sites on any of these maps.

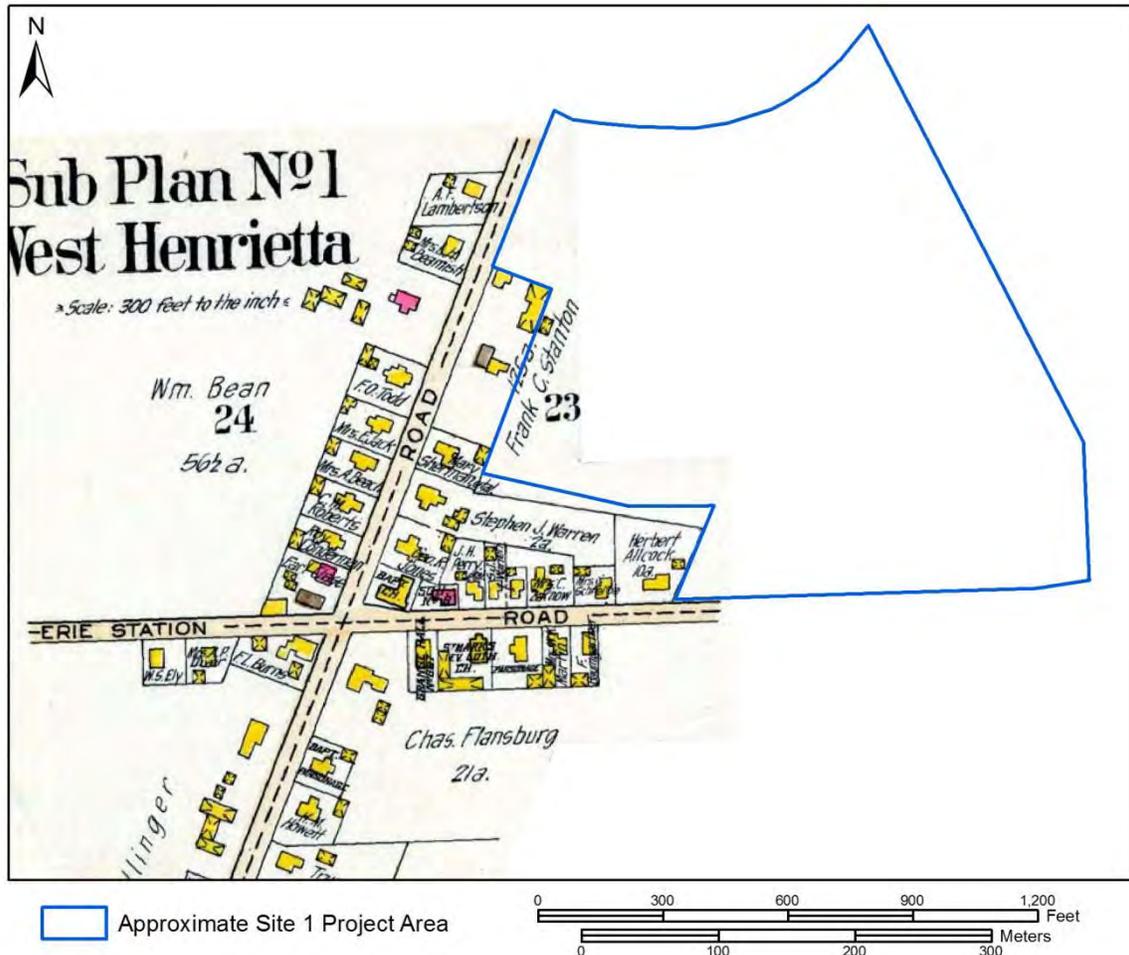
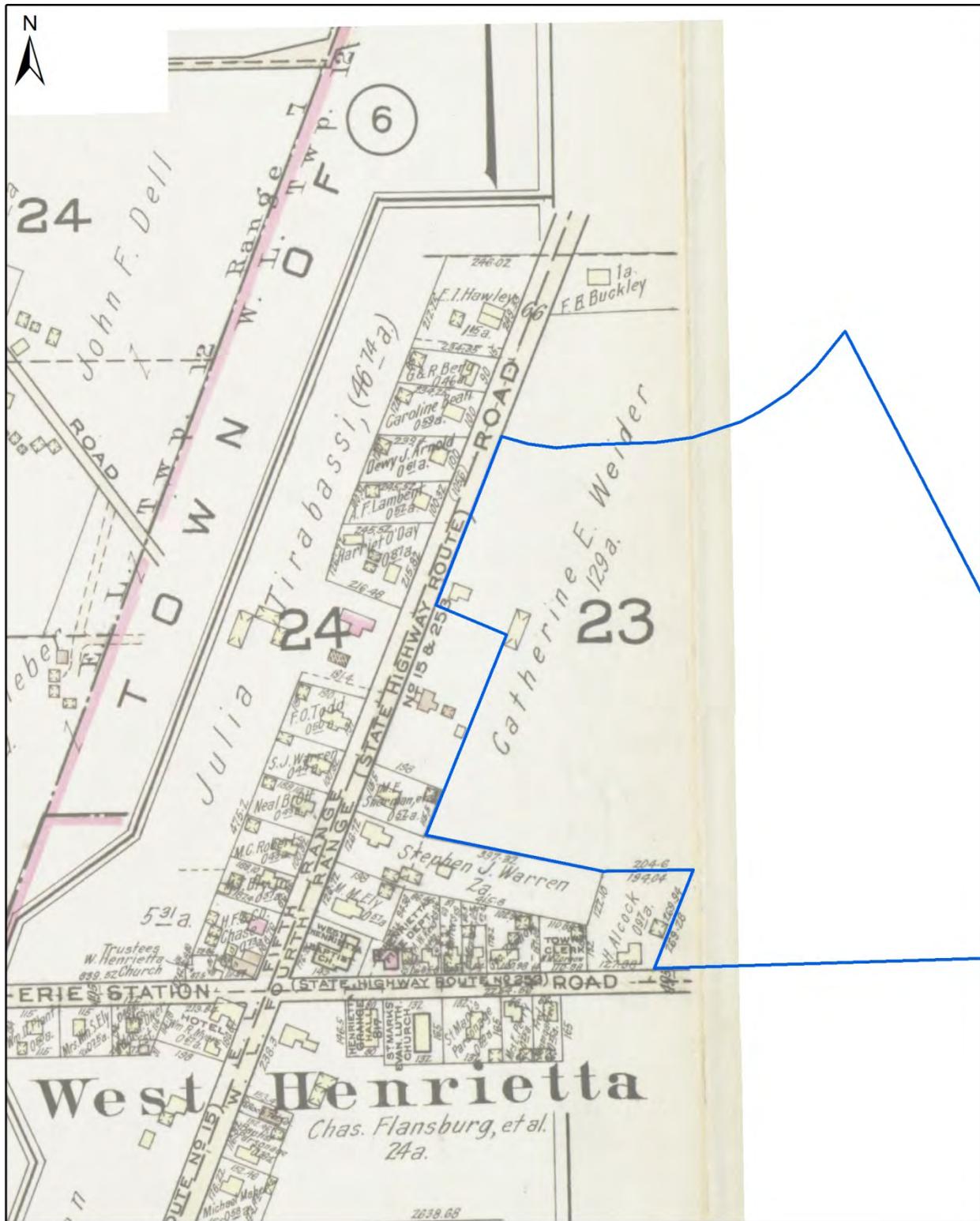


Figure 12. Approximate location of Project Site 1 Erie Station/West Henrietta Road Site in 1924 (G.M. Hopkins Co. 1924).



 Approximate Project Area

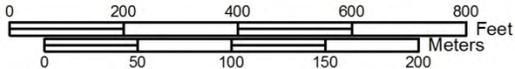
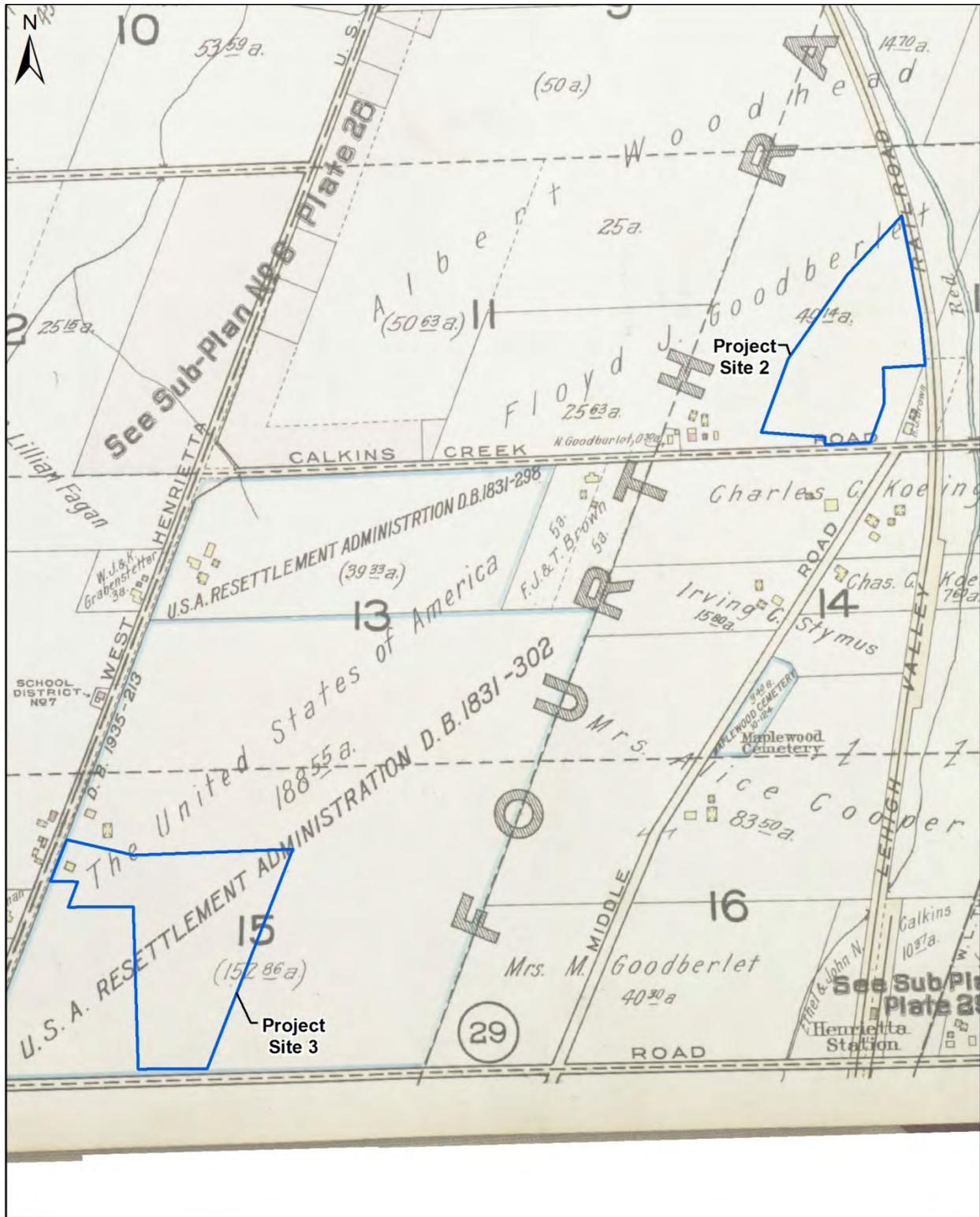


Figure 13. Approximate location of Project Site 1 Erie Station/West Henrietta Road Site in 1941 (G.M. Hopkins Co. 1941).



Approximate Project Area

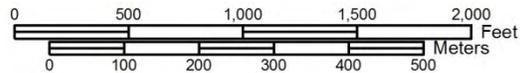


Figure 14. Approximate location of Project Site 2 Calkins Road Site and Project Site 3 4490 West Henrietta Road Site in 1941 (G.M. Hopkins Co. 1941).

3.0 Field Investigation

3.1 METHODOLOGY

Cultural resource investigations are designed to provide a complete examination of the area of potential effect (APE; i.e., impact area) in order to identify and assess any known or unknown cultural resources. These resources include prehistoric and historic archaeological sites as well as standing structures or other aboveground features. The field investigation includes an intensive surface and subsurface examination (e.g., shovel testing) of the project area (APE) and photographic documentation of the project site and vicinity. Pedestrian or walkover reconnaissance surveys are conducted across the project area to identify testable locations, cultural features, surface visibility, soil disturbance, and wet or poorly drained areas, as well as well drained sensitive areas that would require testing. An intensive surface inspection is utilized as a primary method of survey when ground surface visibility is not obscured by vegetation (e.g., plowed agricultural fields) or standing water.

Subsurface testing is conducted when vegetation limits surface inspection as an effective testing strategy. Shovel test pits (STPs) are excavated at a standard 15-m (50-ft) interval throughout the APE. Shovel tests average a minimum of 40 cm (16 in) in diameter and are excavated to at least 10 cm (4 in) below potentially artifact-bearing soils. All soils are matched to Munsell® color charts and sieved through ¼-inch hardware screens. Tests are terminated if water is encountered in the STP, indicating poorly drained soils. Areas of severe disturbance, standing water, and slope greater than 15 percent are documented but not shovel tested. All shovel tests are backfilled to natural contour upon completion. Additional STPs are excavated around positive shovel tests to define preliminary site boundaries, artifact concentrations or determine that the find spot is an isolated occurrence. Closer interval shovel testing is implemented when surface features (e.g., a foundation or depression or the presence of map documented structures) are identified.

Artifacts found during the survey are collected and placed in plastic or paper bags and labeled with pertinent provenience information. Modern materials, such as plastic and container glass, are noted on field forms but not collected. Materials, such as coal, red brick fragments, and miscellaneous nail fragments also are noted but not collected unless they can be clearly identified as historic or found in association with historic period artifacts. All field information collected from shovel tests is recorded on shovel test forms, including the location, pertinent stratigraphic data, soil types, natural or man-made disturbances in the area, and the presence or absence of cultural materials. The field director maintains a daily log, and photographs pertinent man-made disturbances and environmental conditions. All shovel tests are recorded on a project map and included in the report.

3.2 LABORATORY ANALYSIS

Recovered cultural materials are stored at Panamerican Consultants' Buffalo Office for processing and analysis. The processing of recovered artifacts follows guidelines elaborated in 36 CFR Part 79 (Curation of Federally-Owned and Administered Archaeological Collections) and in the New York Archaeological Council Standards and Curation of Archaeological Collections document (NYAC 2000). Standard archaeological procedures of cleaning and storage are also followed, with provenience information kept with artifacts at all times. With landowner consent, disposition of artifacts for permanent curation is coordinated with the client.

3.3 RESULTS OF THE FIELD INVESTIGATION

The Phase 1 field investigation involved the digging a total of 1,111 shovel tests within the total 65.7-acre (24.9-ha) APE. Field investigation results at each of the three project sites are presented separately below.

3.3.1 Project Site 1 Erie Station/West Henrietta Road. Project Site 1 is a large open field bound to the south by Erie Station Road, to the west by West Henrietta Road, and to the north and east by Delphi Corporation and its access roads (see Appendix A: Photographs 1 through 5). Field investigation of this 31-acre (12.5-ha) area was accomplished with pedestrian survey for above-ground cultural features and subsurface sampling involving 503 STPs (Figure 15). The majority of the subsurface testing involved the digging of 479 STPs at 15-m (50-ft) intervals across 74 transects. An additional 10 STPs were dug at non-specific intervals where feasible to investigate a possible map-documented structure (MDS) location along West Henrietta Road. Further, 14 additional STPs were dug at close-intervals (e.g., 1-m and 3-m) during radial shovel testing around positive STPs.

Soil stratigraphy was typically identified as a 28-cm (11-in) layer of dark grayish brown silty loam A-horizon (i.e., topsoil) overlying a yellowish brown sandy loam B-horizon subsoil. The mean final depth of the STPs was 39 cm (15.4 in) below surface (see Appendix B Shovel Test Log).

A possibly precontact chert flake fragment was found in the northwestern part of the project area in STP 8.2, Stratum 1 (see Figure 15; Appendix C: Artifact Catalog). Close-interval tests (n=8) were dug at 1-m and 3-m (3.3-ft and 9.8-ft) intervals centered on the positive test. A second chert flake fragment was found in STP 8.2+3mN, Stratum 1. Six more close-interval tests were dug at 1-m and 3-m (3.3-ft and 9.8-ft) intervals to the north, east, and west of the second positive test in order to achieve double negative tests around the two flake-fragment finds (see Figure 15). No buried features or artifact clusters were identified within the intensively shovel tested loci. No additional lithic artifacts were found in the project area.

Isolated finds including a clear bottle shard, a cut nail, a semi-vitreous China sherd, an ironstone sherd, and a stoneware crock shard were found widely distributed across the project area in STPs 2.1, 28.1, 52.1, and 88.3, Stratum 1 (see Figure 15; see Appendix C: Artifact Catalog). The finds represent typical late nineteenth-century to early twentieth-century household materials that are common to farm sites where domestic refuse often found its way from emptied privies onto manure spreaders when fertilizing the fields (Roberts and Barrett 1984). None of the historical artifacts were found clustered or in association with any features.

The pedestrian survey identified a cluster of trees 150 ft wide by 300 ft long (45.7 m by 91.4 m) obscuring an almost equally sized disturbance of earth and rock piles with a centrally located depression in the northwest portion of the project area (see Appendix A: Photographs 6, 7, and 8). The disturbed area is located on the north side of 5582 West Henrietta Road (outside the project limits)—the site of an extant cobble-stone constructed farmhouse attributed to Frank G. Stanton on referenced maps (see Appendix A: Photograph 9). The disturbed area is situated in proximity to where outbuildings were shown on historical maps of 1902 and 1924 (Figures 11 and 12 respectively).

No evidence of intact or partially intact foundations was observed within the disturbed area, although a possible earthen barn ramp was identified within the southwest corner of the disturbed area in proximity to a partially filled depression (likely barn cellar, although no foundation remained; see Appendix A: Photographs 8 and 10). Spoil and modern debris suggest the stand of trees has been used by locals for disposal of unwanted materials for an unknown number of years.

Ten discretionary shovel tests (arbitrarily designated tests A.1, A.2, B.1, B.2...E.1, and E.2; see Appendix B: Shovel Test Log) were dug within the wooded/disturbed area in order to test for potential buried deposits and features (see Figure 15). The tests varied in interval as a result of impediments caused by a rock-strewn surface, boulders, and piles of earth, rock, and gravel. Soils were typically disturbed, containing a high frequency of both rock and gravel.

No buried historic artifact clusters or features were identified within the disturbed area as a result of the subsurface testing. STP A.1, placed at the project edge, had a concentration of cut and wire nails (n=45), four bottle glass shards (attributes of an early twentieth-century bottle), one ceramic sherd, and a piece of charred wood, found in Stratum 1. The artifacts were found in a disturbed gravelly context at the edge of a gravel/paved drive, suggesting a possibly more recent discard. Spatial restrictions (earthen/rock fill on the north and west sides of the test, a gravel drive on the east side, and project limits on the south side)



Figure 15. Location of shovel tests, steep areas, areas of disturbance, and photograph angles within Project Site 1 Erie Station/West Henrietta Road Site (base aerial: NYS Orthos Online 2015).

limited further testing around STP A.1. STP A.2 was situated on what is likely an earthen barn ramp (see Figure 15). A glass bottle shard (aqua, estimated early machine-made bottle, circa 1903-1940) was found in Stratum 2 of STP A.2 (18-36 cmbs), while a cut nail was found in Stratum 3 (36 to 50 cmbs). The soils were disturbed (mixed strata), suggesting the inclined surface was created and not natural. Finally, one hand-painted pearlware ceramic shard (1780-1830) was found in STP B.2, Stratum 1 (disturbed soils). No other artifacts were found in STPs placed in proximity to where former barn structures were once shown. The tested area is significantly disturbed as a result of fill piles. As no intact foundations were found, it appears any former foundations were removed and the small area was used afterwards for earthen and rock fill, along with piles of possible of roadbed.

3.3.2 Project Site 2 Calkins Road. Project Site 2 is a 15.5-acre (6.8-ha) area bound to the south by Calkins Road, to the west and north by Interstate-390 (I-390), and to the east by a railroad corridor. The majority of the project site is overgrown by extremely dense brush and vines (see Appendix A: Photographs 11 through 14). Field investigation was accomplished with pedestrian survey for above-ground cultural features and subsurface sampling involving the digging of 270 STPs (Figure 16). The initial subsurface testing involved digging 254 STPs at 15-m (50-ft) intervals across 44 transects. Fourteen (14) additional STPs were dug at close-intervals (1-m and 3-m) during radial shovel testing around two positive STPs.

Soil stratigraphy was typically identified as a 24-cm (9.4-in) layer of dark grayish brown silt loam A-horizon (i.e., topsoil) overlying a yellowish brown or strong brown silty loam B-horizon subsoil. The mean final depth of the STPs was 35 cm (13.8 in) below surface (see Appendix B: Shovel Test Log).

Two likely prehistoric chert flake fragments in total were found in the north part of the project area in adjacent tests 38.3 and 38.4, in Stratum 1 (see Figure 16; see Appendix C: Artifact Catalog). Close-interval tests were dug at 1-m and 3-m (3.3-ft and 9.8-ft) intervals centered on each positive test (total of 16 additional tests). All of the additional tests were negative. No buried features or artifact clusters were identified within the intensively shovel tested loci. No additional lithic artifacts were found in the project area.

An MDS shown at or near the southwest corner of the project area on the 1924 map (see Figure 10) was identified outside the southeast limits of the projects APE. During the conduct of the field investigation, a member of the Henrietta Ambulance Service (which is adjacent to the project area) indicated the soil disturbance at the end of a paved driveway (situated between the ambulance service and the project area) is where an “old house” had recently been removed (personal communication with the field director; see Appendix A: Photographs 15 and 16). A gravel drive dissects the southwest corner of the project area, extending outside the project area around to the area back of the MDS location (see Appendix A: Photograph 17). It is likely the gravel road led to an outbuilding behind the former house, situated where the ambulance service now resides (see Figure 16).

The pedestrian survey identified remnants of a wire fence with steel posts aligned east-to-west, set-back 500 ft (152 m) from the edge of Calkins Road. Excluding the fencing and the gravel access road, no other artifacts or features were found within the project area potentially associated with the MDS. The western limit of the project area is situated at the base of the elevated I-390 expressway. The expressway was constructed in stages from the 1960s to the 1980s impacting any former structures shown on the west side (outside) of the project area (see Figures 5, 6, 9, and 10). Fill associated with the road project extends 50 ft to 100 ft (15 m to 30 m) into the project area.

3.3.3 Project Site 3 4490 West Henrietta Road. Project Site 3 is 16-acre (6.5-ha) area that is primarily a large open field bound to the south by Lehigh Station Road, to the west by West Henrietta Road, businesses (e.g., Vista Heights Inn), and a few residences, to the north by a lot with a house, and to the east by commercial establishments (e.g., Super 8 Motel, 5LINX, Benefit Resource, Inc.) and their access roads (see Appendix A: Photographs 18, 19, and 20). Field investigation of this 20.4-acre (8.2-ha) area was accomplished with pedestrian survey for above-ground cultural features and subsurface sampling involving the digging of 338 STPs (Figure 17). The majority of the subsurface testing involved 331 STPs at 15-m (50-ft) intervals along 27 transects. An additional seven STPs were dug at non-specific intervals where feasible to investigate a possible MDS location along West Henrietta Road.



Figure 16. Location of shovel tests and photograph angles within Project Site 1 Erie Station/West Henrietta Road Site (base aerial: NYS Orthos Online 2015).

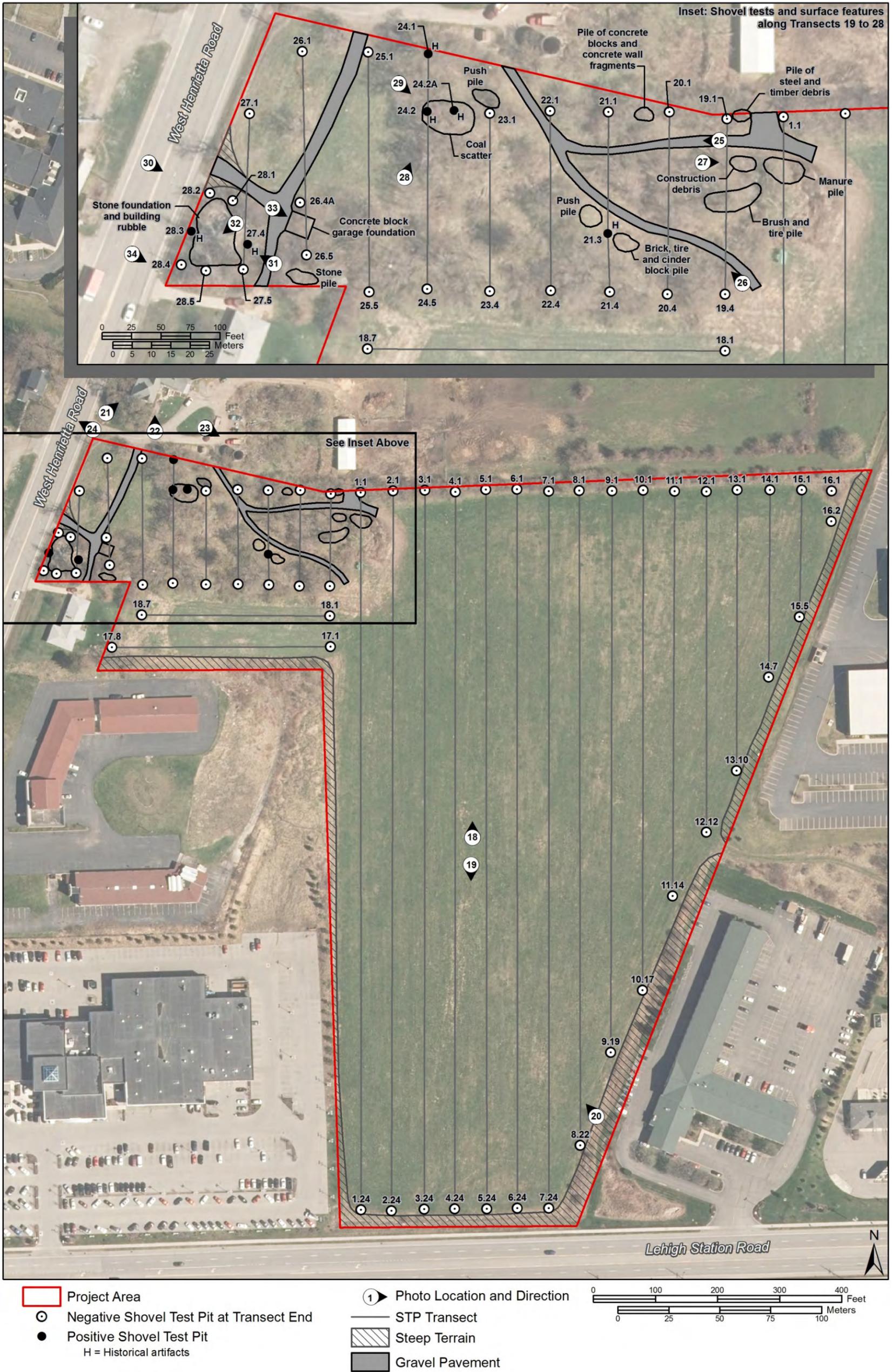


Figure 17. Location of shovel tests, steep areas, areas of disturbance, and photograph angles within Project Site 3 4490 West Henrietta Road Site (base aerial: NYS Orthos Online 2015).

Soil stratigraphy was typically identified as a 21-cm (8.3-in) layer of dark grayish brown silty loam A-horizon (i.e., topsoil) overlying a yellowish brown to dark yellowish brown sandy loam B-horizon subsoil. The mean final depth of the STPs was 32 cm (12.6 in) below surface. No prehistoric or historic artifacts were found in tested field.

Adjacent (outside) to the project area is the Bean family farmhouse at 4490 West Henrietta Road (see Appendix A: Photographs 21 and 22). The farm includes a former barn foundation and a concrete-tiled silo (see Appendix A: Photograph 23). The farmhouse is situated where a structure was indicated on the 1858 (O. Beebee), 1872 (O. Beebee), 1902 (Marshall Todd), and 1924 (Orrin Todd) historical maps (see Figures 5, 6, 9, and 10). A nineteenth century cobblestone-constructed farmhouse at 4495 West Henrietta Road is found opposite the Bean family farmhouse and the project area (see Appendix A: Photograph 24).

On the south side of the Bean family farmhouse is a wooded area (within the project APE) totaling approximately 2 acres (0.8 ha). The woods obscure uneven terrain and two access roads (see Appendix A: Photograph 25). On either side of the access roads are discard piles associated with Bean farm, including: farm machinery, tractor tires, building materials (vinyl siding, wood, sheet metal, etc.), and earthen piles (see Appendix A: Photographs 26 and 27). Similar debris piles including tractor tires were found along the west edge of the woods (see Appendix A: Photograph 28), in addition to a coal scatter covering an approximate 50-ft (15-m) area south of the farmhouse near STP 24.2 and discretionary test 24.2A (see Figure 15; see Appendix A: Photograph 29). No bottle dumps or surface middens (evidence of domestic refuse) were identified within the wooded area or in any other parts of the project area.

Approximately 300 ft (91.4 m) south of the Bean farmhouse is a dilapidated wood-framed house (within the project area) set on a stone foundation (see Figure 17; see Appendix A: Photographs 30, 31, and 32). A poured-concrete garage or shed remnant is found opposite the dilapidated house (see Appendix A: Photograph 33). The dilapidated house is situated where a structure was shown on the 1924 historical map, attributed to Orrin Todd (formerly O. Beebee; see Figure 10). A member of the Bean family informed the Field Director that the house belonged to his uncle prior to its abandonment at least 30 years ago, when the uncle built the house adjacent to it (4526 West Henrietta Road – outside of the project area; see Appendix A: Photograph 34). Prior to his uncle's occupancy in the structure now in ruins, the house was believed to have been occupied by farm worker (personal communication).

Six tests (STPs 27.5 and 28.1 through 28.5) were placed where feasible at approximately 5 m to 7.5 m (16.4 ft/24.6 ft) intervals to the north, south, east, and west elevation of the dilapidated house (see Figure 17; see Appendix B: Shovel Test Log). In general, soils were typically disturbed, containing a high frequency of both rock and gravel and some mixing of strata.

Twelve early twentieth century domestic artifacts were found in four positive shovel tests dug in proximity to the dilapidated house. The finds include: one whiteware tableware sherd (1820-1900+) found in STP 27.4; a ceramic cup rim found in three pieces (1820-1900+), a lightbulb shard, and a piece of melted clear glass found in STP 27.5; a clear wide-mouth bottle rim shard (possible fruit jar) found in STP 28.1; and finally, a window glass shard, a zinc fruit jar lid with broken glass liner (1871-1950s), a wire nail, and a 22-caliber shell casing, found in STP 28.5 (see Appendix C: Artifact Catalog). The finds were all from Stratum 1, found near the surface in proximity to the dilapidated house and building debris. The finds represent a very low-frequency scatter of mostly architectural and domestic materials found in a disturbed context. No artifact concentrations, stratified deposits, or buried features were found in the intensive shovel test investigation of the house ruin and adjacent poured garage/shed foundation.

3.4 CONCLUSIONS

3.4.1 Project Site 1 Erie Station/West Henrietta Road. The two precontact flake fragments found at this project site are considered stray finds. Exhaustive close-interval shovel testing (n=13 STPs) around the

original flake fragment find spot resulted in the identification of just one additional lithic artifact and no buried features were found. No additional lithic artifacts were found in this project area.

The MDS location for outbuildings associated with the residence at 5582 West Henrietta Road (outside the APE) has been heavily disturbed, presumably by a bulldozer. Earth and rock piles are present and no evidence of intact or partially intact foundations was observed within the disturbed area other than a potential earthen barn ramp. Spoil and modern debris suggest the stand of trees has been utilized by locals for disposal of unwanted materials for years. No intact buried historic artifact clusters or features were identified within the disturbed area during subsurface testing. Common modern and early to middle twentieth-century artifacts including wire nails, bottle glass shards, one ceramic sherd, and a piece of charred wood were found in a disturbed gravelly area lacking depositional context at the edge of a gravel/paved drive.

The extant cobblestone farmhouse outside the APE at 5582 West Henrietta Road is not within an intact historic setting as a result of the presence of modern businesses already operating along the road. Therefore, development within APE of this project will not have an adverse effect on a historic setting since none is present.

3.4.2 Project Site 2 Calkins Road. Similar to the field investigation results at Project Site 1, two precontact flake fragments were found within the APE of Project Site 2 and they also are considered stray finds. All 16 close-interval STPs dug surrounding the two initial positive tests were negative. No buried features or artifact clusters were identified within the intensively shovel tested loci. No additional lithic artifacts were found in the project area.

3.4.3 Project Site 3 4490 West Henrietta Road. As discussed, a dilapidated wood-framed house on a stone foundation and poured-concrete garage or shed foundation are within the Project Site 3 APE. Subsurface shovel testing was conducted where feasible, though the ground in proximity to the structural ruins was largely disturbed or obstructed (e.g., coal pile). Soils were typically disturbed and contained a high frequency of both rock and gravel. No bottle dumps or other surface middens (evidence of domestic refuse) were identified in the vicinity of the foundations or in any other parts of this project area. Also no significant historic artifact concentrations or features were found during subsurface investigation (i.e., shovel testing). Historical maps, field observations, and informant interview results place the date of structural ruins to the early twentieth century and attribute the residence to Orrin Todd (formerly O. Beebee) and it was abandoned approximately 30 years ago.

4.0 Recommendations

Precontact. The precontact flake fragments found at Project Sites 1 and 2 are considered stray finds. The locations of the artifact finds are not considered archaeological sites with any research potential. At Project Site 1, exhaustive close-interval shovel testing (n=13 STPs) to achieve two negative STPs in each direction around the original flake-fragment find-spot resulted in the identification of just one additional lithic artifact and no buried features were located.

As with the chert flake fragments found at Project Site 1, the two precontact flake fragments found at Project Site 2 are considered stray finds. All 16 close-interval STPs dug surrounding the two initial positive tests were negative for cultural resources. No buried features or artifact clusters were identified within the intensively shovel tested loci.

Therefore, the precontact finds do not indicate the presence of archaeological sites that meet the criteria for eligibility for listing in the National Register of Historic Places (NRHP). No further investigation is recommended. Although neither precontact artifact-find location merit further investigation, OPRHP Prehistoric Archaeological Site Inventory Forms will be submitted to register them as stray/isolated finds.

Historic. As a result of the severely disturbed condition of the soils in the vicinity of the MDS locations at Project Sites 1 and 3 and the lack of significant artifact concentrations, neither location is considered an intact archaeological site. In addition, the structural ruins at Project Site 3 attributed to Orrin Todd and Orlow Beebee on historical maps do not possess architectural integrity or historic significance.

Therefore, the historic ruins and artifacts found in disturbed soils without context do not indicate the presence of intact archaeological sites that meet criteria for eligibility for listing in the NRHP. No further investigation is recommended at either location. These disturbed finds are not considered intact archaeological sites. Therefore, OPRHP Historic Archaeological Site Inventory Forms will not be submitted using NYSHPOs CRIS unless requested by NYSHPO.

Extant historic buildings outside the APE of the project sites (e.g., the extant cobblestone farmhouse outside the APE at 5582 West Henrietta Road) are not within an intact historic setting due to the presence of modern businesses already present in the surroundings. Therefore development within APE of this project will not have an adverse to a historic setting since none is present.

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Appendix A. Photographs



Photograph 1. Site 1 project area on south side of Delphi Technical Center Rochester, 5500 West Henrietta Road, facing east (*Panamerican 2016*).



Photograph 2. Site 1 project area, facing southeast from northwest corner of the project (*Panamerican 2016*).



Photograph 3. Site 1 project area, facing southwest from elevated northwest corner of the project (Panamerican 2016).



Photograph 4. Site 1, recent water main disturbance adjacent to Erie Station Road (within south project limits), facing west (Panamerican 2016).



Photograph 5. Site 1: Nineteenth-century/early twentieth-century homes along west side of West Henrietta Road, opposite (outside) the project, facing north (Panamerican 2016).



Photograph 6. Site 1: Disturbed area and possible barn location (in woods). Surface is covered with fill and push piles. No foundations were identified, facing southwest from STP 3.4 (Panamerican 2016).



Photograph 7. Site 1: Detail of disturbance (fill and push piles) within limited wooded area adjacent to West Henrietta Road, facing southeast (*Panamerican 2016*).



Photograph 8. Site 1: Large irregular depression possibly associated with former barn location. No foundation remains, facing north (*Panamerican 2016*).



Photograph 9. Site 1: Southwest elevation of cobblestone-constructed farmhouse at 5582 West Henrietta Road, adjacent (outside) the APE, facing east (*Panamerican 2016*).



Photograph 10. Site 1: Possible earthen barn ramp near STP A2, situated within disturbed wooded area, facing east (*Panamerican 2016*).



Photograph 11. Site 2 project area (at right), facing west along Calkins Road towards I-390 (overpass) (Panamerican 2016).



Photograph 12. Site 2: dense brush covers the south and central portions of the project, facing northeast from Calkins Road (Panamerican 2016).



Photograph 13. Site 2: dense brush covers the south and central portions of the project, facing southeast from STP 16.1 (*Panamerican 2016*).



Photograph 14. Site 2: A lower elevated clear field is situated within the northeast portion of the project, facing northeast from STP 17.1 (*Panamerican 2016*).



Photograph 15. Site 1: paved driveway outside southeast limits leads to former house location. Henrietta Ambulance is visible in upper right, facing northeast (Panamerican 2016).



Photograph 16. Site 1: informed location and visible disturbance of recently removed house outside the southeast limits of the project, facing northwest (Panamerican 2016).



Photograph 17. Site 2: vegetation obscures a gravel access road dissecting the southeast corner of the APE, facing southwest from STP 22.2 (Panamerican 2016).



Photograph 18. Site 3 project area, facing north from STP 4.12 (Panamerican 2016).



Photograph 19. Site 3 project area, facing south towards Lehigh Station Road from STP 4.13 (Panamerican 2016).



Photograph 20. Site 3: south portion of the project area, facing northwest from southeast corner. An auto dealership and a motel located outside the APE area visible (Panamerican 2016).



Photograph 21. Site 3: Southeast elevation of Bean family farmhouse at 4490 West Henrietta Road, situated adjacent (outside) the project area (Panamerican 2016).



Photograph 22. South elevation of Bean family farmhouse shown in Photograph 21, adjacent (outside) the project area (Panamerican 2016).



Photograph 23. Site 3: a concrete-block silo and an unidentified barn foundation associated with the Bean family farm are located outside the north limits of the project, facing east (Panamerican 2016).



Photograph 24. Site 3: west elevation of cobblestone constructed farmhouse at 4495 West Henrietta Road – opposite the Bean farmhouse and project area (Panamerican 2016).



Photograph 25. Site 3: existing gravel access road within wooded area in northwest portion of the project, facing west in proximity of STP 19.2 (Panamerican 2016).



Photograph 26. Site 3: existing gravel access road within debris piles visible at left, facing northwest in proximity of STP 19.3 (Panamerican 2016).



Photograph 27. Site 3: architectural debris including wood and vinyl siding observed in near gravel road in proximity of STP 19.2, facing east (Panamerican 2016).



Photograph 28. Site 3: debris piles including discarded truck and tractor tires within uneven wooded area in northwest portion of the project, facing north (Panamerican 2016).



Photograph 29. Site 3; coal scatter within wooded portion of the project, investigated with shovel tests 24.2 and 24.2A, facing southeast (*Panamerican 2016*).



Photograph 30. Site 3: MDS (1920s house) located within the project on east side of West Henrietta Road (north of 4526), facing southeast (*Panamerican 2016*).



Photograph 31. Site 3: west elevation of dilapidated 1920s farm worker's house (MDS), facing westwards in proximity of STP 27.4 (Panamerican 2016).



Photograph 32. Site 3: west elevation of MDS shown in Photographs 30 and 31. Note extent of poor preservation, facing southwest (Panamerican 2016).



Photograph 33. Site 3: poured concrete garage or shed foundation opposite the dilapidated house foundation shown in Photographs 30 and 31, facing eastwards (Panamerican 2016).



Photograph 34. Site 3: east elevation of house at 4526 West Henrietta Road, situated adjacent (outside) the project area (Panamerican 2016).

Appendix B. Shovel Test Log

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
1.1	1	0-12	10YR 4/3	BR	SA LO	NCM
1.1	2	12-22	10YR 5/1 10YR 5/6	GR YL BR	SA LO	NCM; gravel; gravel impasse at 22cm
1.2	1	0-30	10YR 3/3	DK BR	SA LO	rigid plastic (not collected)
1.2	2	30-40	10YR 5/4	YL BR	SA LO	NCM
2.1	1	0-15	10YR 3/2	V DK GR BR	SA LO	NCM
2.1	2	15-30	7.5YR 5/4	BR	SA CL LO	NCM
2.2	1	0-20	10YR 3/2	V DK GR BR	SI LO	1 nail; 1 piece glass; brick dust
2.2	2	20-40	7.5YR 3/3	DK BR	SI CL LO	NCM
2.3	1	0-26	10YR 3/2	V DK GR BR	SI LO	slag
2.3	2	26-39	10YR 5/4	YL BR	SI LO	NCM
2.4	1	0-10	10YR 3/2 10YR 6/3	V DK GR BR PALE BR	SI LO	disturbed; gravel
3.1	1	0-21	10YR 3/3	DK BR	SA LO	NCM
3.1	2	21-33	10YR 5/4	YL BR	SA LO	NCM
3.2	1	0-28	10YR 4/3	BR	SA LO	NCM
3.2	2	28-39	10YR 5/6	YL BR	SA LO	NCM
3.3	1	0-32	10YR 4/3	BR	SA LO	NCM
3.3	2	32-42	10YR 5/6	YL BR	SA LO	NCM
3.4	1	0-30	10YR 4/3	BR	SA LO	asphalt (not collected)
3.4	2	30-40	10YR 5/4	YL BR	SA LO	NCM
3.5	1	0-21	10YR 4/3	BR	SA LO	NCM
3.5	2	21-32	10YR 5/4	YL BR	SA LO	NCM
4.1	1	0-22	10YR 3/2	V DK GR BR	SA LO	NCM
4.1	2	22-35	10YR 4/2	DK GR BR	SA LO	NCM
4.2	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
4.2	2	30-40	10YR 5/6	YL BR	SA LO	NCM; 50% gravel
4.3	1	0-17	10YR 4/2	DK GR BR	SA LO	NCM
4.3	2	17-30	10YR 5/6	YL BR	SA LO	NCM
4.4	1	0-16	10YR 3/2	V DK GR BR	SA LO	NCM
4.4	2	16-30	10YR 5/4	YL BR	SA LO	NCM
4.5	1	0-15	10YR 5/1	GR	SI SA	NCM
4.5	2	15-25	10YR 6/2	LT BR GR	SI SA	NCM
5.1	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
5.1	2	30-40	7.5YR 5/4	BR	CL LO	NCM
5.2	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
5.2	2	30-40	10YR 5/6	YL BR	CL LO	NCM
5.3	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
5.3	2	30-40	10YR 5/6	YL BR	SA LO	NCM
5.4	1	0-26	10YR 3/2	V DK GR BR	SA LO	NCM
5.4	2	26-36	10YR 5/4	YL BR	SA LO	NCM; 50% gravel
5.5	1	0-2	10YR 3/2	V DK GR BR	SA LO	NCM; disturbed - ditched. Wet
6.1	1	0-27	10YR 4/2	DK GR BR	CL LO	NCM
6.1	2	27-38	10YR 5/4	YL BR	SA CL LO	NCM
6.2	1	0-24	10YR 4/2	DK GR BR	CL LO	NCM
6.2	2	24-35	10YR 5/4	YL BR	SA CL LO	NCM
6.3	1	0-22	10YR 4/2	DK GR BR	SA LO	NCM
6.3	2	22-33	10YR 5/4	YL BR	SA LO	NCM
6.4	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM
6.4	2	25-36	10YR 5/4	YL BR	SA LO	NCM
Key	Soil Color: BL = black, BR = brown, DK = dark, GR = gray, LT = light, V = very, YL = yellow					
	Soil Description: CL = clay, LO = loam, SA = sand, SI = silt					
	Comments: NCM = no cultural material					

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
6.5	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM
6.5	2	18-30	10YR 6/3 10YR 5/4	PALE BR YL BR	SA LO	NCM
7.1	1	0-30	10YR 4/1	DK GR	SA SI	NCM
7.1	2	30-40	10YR 5/4	YL BR	SA CL LO	NCM
7.2	1	0-32	10YR 4/1	DK GR	SA SI	NCM
7.2	2	32-42	10YR 5/4	YL BR	SA CL LO	NCM
7.3	1	0-33	10YR 4/1	DK GR	SA SI	NCM
7.3	2	33-43	10YR 5/4	YL BR	SA CL LO	NCM
7.4	1	0-28	10YR 4/1	DK GR	SA SI	NCM
7.4	2	28-38	10YR 5/3	BR	SA CL LO	NCM
7.5	1	0-16	10YR 4/1	DK GR	SA SI	NCM
7.5	2	16-26	10YR 5/3	BR	SA LO	NCM
8.1	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
8.1	2	28-40	10YR 5/4	YL BR	SA CL LO	NCM
8.2	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
8.2	2	30-41	7.5YR 5/4	BR	CL LO	NCM
8.3	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
8.3	2	30-42	10YR 5/4	YL BR	SA CL	NCM
8.4	1	0-23	10YR 3/2	V DK GR BR	SA LO	NCM
8.4	2	23-35	10YR 5/4	YL BR	SA CL	NCM
8.5	1	0-12	10YR 5/1	GR	SI SA	NCM
8.5	2	12-22	10YR 6/2	LT BR GR	SI SA	NCM
9.1	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
9.1	2	32-44	10YR 5/4	YL BR	SA CL LO	NCM
9.2	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
9.2	2	31-41	10YR 5/4	YL BR	SA CL LO	NCM
9.3	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
9.3	2	30-41	10YR 6/2 10YR 5/6	LT BR GR YL BR	SA CL	NCM
9.4	1	0-26	10YR 4/2	DK GR BR	CL LO	NCM
9.4	2	26-36	10YR 6/2 10YR 5/6	LT BR GR YL BR	SA CL	NCM
9.5	1	0-18	10YR 4/2	DK GR BR	CL LO	NCM
9.5	2	18-30	10YR 6/2 10YR 5/6	LT BR GR YL BR	SA CL	NCM
10.1	1	0-29	10YR 3/2	V DK GR BR	SI LO	NCM
10.1	2	29-40	10YR 5/6	YL BR	CL LO	NCM
10.2	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
10.2	2	28-38	10YR 5/4	YL BR	SA CL	NCM
10.3	1	0-26	10YR 3/3	DK BR	CL LO	NCM
10.3	2	26-38	7.5YR 5/4	BR	CL LO	NCM
10.4	1	0-20	10YR 3/2	V DK GR BR	SA LO	NCM
10.4	2	20-30	7.5YR 5/6	STRONG BR	CL LO	NCM
10.5	1	0-2	10YR 3/2	V DK GR BR	SA LO	NCM; disturbed - ditched. Wet
11.1	1	0-30	10YR 4/1	DK GR	SA SI	NCM
11.1	2	30-40	7.5YR 5/4	BR	SA CL LO	NCM
11.2	1	0-31	10YR 4/1	DK GR	SA SI	NCM
11.2	2	31-41	7.5YR 5/4	BR	SA CL LO	NCM
11.3	1	0-30	10YR 4/1	DK GR	SA SI	NCM
11.3	2	30-40	10YR 5/4	YL BR	SA	NCM; gravel
11.4	1	0-27	10YR 4/1	DK GR	SA SI	NCM; 50% gravel
11.4	2	27-37	10YR 5/3	BR	SA	NCM' 70% gravel; seepage at 35cm
11.5	1	0-19	10YR 4/1	DK GR	SA SI	NCM; 70% gravel

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
11.5	2	19-29	10YR 5/3	BR	SA	NCM; 70% gravel
12.1	1	0-32	10YR 4/3	BR	SA LO	NCM
12.1	2	32-42	10YR 5/6	YL BR	SA LO	NCM
12.2	1	0-30	10YR 4/3	BR	SA LO	NCM
12.2	2	30-40	10YR 5/6	YL BR	SA LO	NCM
12.3	1	0-25	10YR 4/3	BR	SA LO	NCM
12.3	2	25-35	10YR 5/6	YL BR	SA LO	NCM
12.4	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM
12.4	2	25-36	10YR 5/4	YL BR	CL SA	NCM
12.5	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM
12.5	2	26-36	10YR 5/4	YL BR	CL SA	NCM
13.1	1	0-22	10YR 3/2	V DK GR BR	SA LO	NCM
13.1	2	22-32	10YR 5/4	YL BR	SA CL	NCM
13.2	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
13.2	2	30-40	7.5YR 5/4	BR	SA LO	NCM
13.3	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
13.3	2	28-40	10YR 5/4	BR	SA LO	NCM
13.4	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
13.4	2	30-40	10YR 5/4	YL BR	SA LO	NCM
13.5	1	0-15	10YR 3/2	V DK GR BR	SA LO	NCM
13.5	2	15-25	10YR 5/4	YL BR	SA LO	NCM
13.6	1	0-27	10YR 5/1	GR	SI SA	NCM
13.6	2	27-37	10YR 6/2	LT BR GR	SI SA	NCM
14.1	1	0-28	7.5YR 3/3	DK BR	SA LO	NCM
14.1	2	28-40	7.5YR 5/8	STRONG BR	SA LO	NCM
14.2	1	0-30	7.5YR 3/3	DK BR	SA LO	NCM
14.2	2	30-40	7.5YR 5/8	STRONG BR	SA LO	NCM
14.3	1	0-25	7.5YR 3/3	DK BR	SA LO	NCM
14.3	2	25-36	7.5YR 5/8	STRONG BR	SA LO	NCM
14.4	1	0-18	7.5YR 3/3	DK BR	SA LO	NCM
14.4	2	18-30	7.5YR 5/8	STRONG BR	SA	NCM
14.5	1	0-20	7.5YR 3/3	DK BR	SA LO	NCM
14.5	2	20-31	7.5YR 5/8	STRONG BR	CL SA	NCM
14.6	1	0-23	7.5YR 3/3	DK BR	SA LO	NCM
14.6	2	23-33	7.5YR 5/8	STRONG BR	CL SA	NCM
15.1	1	0-32	10YR 3/2	V DK GR BR	SA LO	NCM
15.1	2	32-42	7.5YR 5/4	BR	SA CL	NCM
15.2	1	0-33	10YR 3/2	V DK GR BR	SA LO	NCM
15.2	2	33-44	7.5YR 5.4	BR	SA CL	NCM
15.3	1	0-23	10YR 3/2	V DK GR BR	SA LO	NCM
15.3	2	23-33	7.5YR 5/4	BR	SA CL	NCM
15.4	1	0-27	10YR 3/2	V DK GR BR	SA LO	NCM
15.4	2	27-38	10YR 5/4	YL BR	SA LO	NCM
15.5	1	0-24	10YR 3/2	V DK GR BR	SA LO	NCM
15.5	2	24-35	10YR 4/3	BR	SA CL LO	NCM
15.6	1	0-14	10YR 3/2	V DK GR BR	SA LO	NCM
15.6	2	14-24	10YR 5/4	YL BR	SA CL LO	NCM
16.1	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM; gravel
16.1	2	35-45	7.5YR 4/6 7.5YR 5/2	STRONG BR BR	SA CL LO	NCM; gravel
16.2	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM; gravel
16.2	2	33-45	7.5YR 4/6 7.5YR 5/2	STRONG BR BR	SA CL LO	NCM; gravel
16.3	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
16.3	2	30-40	10YR 5/4	YL BR	SA CL LO	NCM; gravel
16.4	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM; gravel
16.4	2	30-40	10YR 5/4	YL BR	SA CL LO	NCM; gravel
16.5	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM; gravel
16.5	2	30-40	10YR 5/2	GR BR	SA CL LO	NCM; gravel
16.6	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM; gravel
16.6	2	33-45	10YR 5/4	YL BR	SA LO	NCM; gravel
16.7	1	0-12	10YR 4/1	DK GR	SA CL LO	NCM; gravel
16.7	2	12-25	10YR 5/6	YL BR	SA LO	NCM; gravel
17.1	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
17.1	2	32-42	7.5YR 4/6	STRONG BR	SA CL	NCM
17.2	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
17.2	2	30-40	7.5YR 4/6	STRONG BR	SA CL	NCM
17.3	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM; gravel
17.3	2	34-44	10YR 5/4	YL BR	SA CL	NCM; gravel
17.4	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM; gravel
17.4	2	30-40	10YR 6/4	LT YL BR	SA CL LO	NCM
17.5	1	0-24	10YR 4/2	DK GR BR	SA LO	NCM
17.5	2	24-34	10YR 6/4	LT YL BR	SA CL LO	NCM
17.6	1	0-23	10YR 4/2	DK GR BR	SA LO	NCM
17.6	2	23-33	10YR 6/4	LT YL BR	SA CL LO	NCM
17.7	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM; gravel
17.7	2	33-43	10YR 5/4	YL BR	SA LO	NCM
17.8	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM; gravel
17.8	2	27-35	10YR 5/4	YL BR	SA LO	NCM
18.1	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM; gravel
18.1	2	29-40	7.5YR 4/6	STRONG BR	SA LO	NCM
18.2	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
18.2	2	31-41	7.5YR 4/6	STRONG BR	SA LO	NCM
18.3	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
18.3	2	32-42	10YR 5/4	YL BR	SA LO	NCM
18.4	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
18.4	2	28-40	10YR 5/4	YL BR	SA LO	NCM; gravel
18.5	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM; gravel
18.5	2	26-37	10YR 5/4	YL BR	SA LO	NCM; gravel
18.6	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
18.6	2	28-41	10YR 5/4	YL BR	SA LO	NCM
18.7	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM
18.7	2	27-39	10YR 5/4	YL BR	SA LO	NCM
18.8	1	0-15	10YR 4/2	DK GR BR	SA LO	NCM
18.8	2	15-25	10YR 5/4	YL BR	SA CL LO	NCM
18.9	1	0-2	10YR 3/2	V DK GR BR	SA LO	NCM; disturbed - ditched
19.1	1	0-26	7.5YR 3/3	DK BR	SA LO	NCM
19.1	2	26-36	7.5YR 5/8	STRONG BR	SA LO	NCM
19.2	1	0-28	7.5YR 3/3	DK BR	SA LO	NCM
19.2	2	28-39	7.5YR 5/8	STRONG BR	SA LO	NCM
19.3	1	0-29	7.5YR 3/3	DK BR	SA LO	NCM
19.3	2	29-40	7.5YR 5/8	STRONG BR	SA LO	NCM
19.4	1	0-25	7.5YR 3/3	DK BR	SA LO	NCM
19.4	2	25-35	7.5YR 5/8	STRONG BR	SA LO	NCM
19.5	1	0-27	7.5YR 3/3	DK BR	SA LO	NCM
19.5	2	27-38	7.5YR 5/8	STRONG BR	SA LO	NCM
19.6	1	0-18	7.5YR 3/3	DK BR	SA LO	NCM
19.6	2	18-30	10YR 6/4	LT YL BR	SA CL LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
19.7	1	0-18	7.5YR 3/3	DK BR	SA LO	NCM
19.7	2	18-31	7.5YR 5/8	STRONG BR	SA LO	NCM
19.8	1	0-20	7.5YR 3/3	DK BR	SA LO	NCM
19.8	2	20-32	7.5YR 5/8	STRONG BR	SA LO	NCM
20.1	1	0-17	10YR 3/2	V DK GR BR	SA LO	NCM
20.1	2	17-28	10YR 5/4	YL BR	SA LO	NCM
20.2	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
20.2	2	28-40	10YR 5/4	YL BR	SA LO	NCM
20.3	1	0-24	10YR 3/2	V DK GR BR	SA LO	NCM
20.3	2	24-35	10YR 5/4	YL BR	SA LO	NCM
20.4	1	0-17	10YR 3/2	V DK GR BR	SA LO	NCM
20.4	2	17-27	10YR 5/4	YL BR	SA LO	NCM
20.5	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
20.5	2	28-39	10YR 5/4	YL BR	SA LO	NCM
20.6	1	0-25	10YR 3/2	V DK GR BR	SA LO	NCM
20.6	2	25-36	10YR 5/3	BR	SI CL	NCM
21.1	1	0-22	10YR 4/2	DK GR BR	SA LO	NCM; gravel
21.1	2	22-32	7.5YR 4/6	STRONG BR	SA CL LO	NCM; gravel
21.2	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM; gravel
21.2	2	32-42	7.5YR 4/6	STRONG BR	SA CL LO	NCM; gravel
21.3	1	0-20	10YR 4/2	DK GR BR	SA LO	NCM; gravel
21.3	2	20-30	10YR 6/4	LT YL BR	SA LO	NCM; gravel
21.4	1	0-19	10YR 4/2	DK GR BR	SA LO	NCM; gravel
21.4	2	19-29	10YR 6/4	LT YL BR	SA CL LO	NCM; gravel
21.5	1	0-21	10YR 4/2	DK GR BR	SA LO	NCM; gravel
21.5	2	21-31	10YR 6/4	LT YL BR	SA CL LO	NCM; gravel
22.1	1	0-23	10YR 4/2	DK GR BR	SA LO	NCM; gravel
22.1	2	23-33	10YR 5/4	YL BR	SA CL LO	NCM; gravel
22.2	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM; gravel
22.2	2	30-42	10YR 5/4	YL BR	SA CL LO	NCM; gravel
22.3	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
22.3	2	31-43	10YR 5/4	YL BR	SA CL LO	NCM; gravel
23.1	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM; gravel
23.1	2	32-42	10YR 5/4	YL BR	SA CL LO	NCM; gravel
24.1	1	0-38	10YR 4/1	DK GR	SA CL LO	NCM
24.1	2	38-50	10YR 6/3 10YR 6/8	PALE BR BR YL	SA CL	NCM
25.1	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM
25.1	2	34-46	10YR 5/4	YL BR	SA LO	NCM
25.2	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
25.2	2	32-45	10YR 5/4	YL BR	SA LO	NCM
25.3	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
25.3	2	33-44	10YR 5/4	YL BR	SA LO	NCM
25.4	1	0-31	10YR 4/1	DK GR	SA LO	NCM
25.4	2	31-43	7.5YR 4/6	STRONG BR	CL LO	NCM
25.5	1	0-32	10YR 4/1	DK GR	SA LO	NCM
25.5	2	32-42	7.5YR 4/6	STRONG BR	CL LO	NCM
26.1	1	0-34	10YR 4/2	DK GR BR	CL LO	NCM
26.1	2	34-44	10YR 5/6	YL BR	SA CL LO	NCM
26.2	1	0-33	10YR 4/2	DK GR BR	CL LO	NCM
26.2	2	33-44	10YR 5/6	YL BR	SA CL LO	NCM
26.3	1	0-35	10YR 4/2	DK GR BR	CL LO	NCM
26.3	2	35-45	10YR 5/6	YL BR	SA CL LO	NCM
26.4	1	0-25	7.5YR 3/3	DK BR	CL LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
26.4	2	25-36	7.5YR 5/8	YL BR	SA CL LO	NCM
26.5	1	0-26	7.5YR 3/3	DK BR	CL LO	NCM
26.5	2	26-36	7.5YR 5/8	STRONG BR	SA CL LO	NCM
27.1	1	0-22	10YR 3/2	V DK GR BR	SA LO	NCM
27.1	2	22-35	10YR 5/3	BR	SA CL LO	NCM
27.2	1	0-38	10YR 4/2	DK GR BR	SA LO	NCM
27.2	2	38-49	10YR 5/4	YL BR	SA LO	NCM
27.3	1	0-36	10YR 3/2	V DK GR BR	SA LO	NCM
27.3	2	36-46	10YR 5/3	BR	SA LO	NCM
27.4	1	0-22	10YR 3/2	V DK GR BR	SA LO	NCM
27.4	2	22-32	10YR 5/3	BR	SA CL LO	NCM
27.5	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
27.5	2	30-40	10YR 3/2 7.5YR 5/4	V DK GR BR BR	SA CL LO	NCM
28.1	1	0-35	10YR 4/2	DK GR BR	SA LO	gravel; 1 undecorated whiteware
28.1	2	35-45	7.5YR 4/6	STRONG BR	SA	NCM
28.2	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
28.2	2	33-43	7.5YR 4/6	STRONG BR	SA CL LO	NCM
28.3	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
28.3	2	31-41	7.5YR 4/6	STRONG BR	SA CL LO	NCM
28.4	1	0-32	10YR 4/2	DK GR BR	SA CL LO	NCM
28.4	2	32-42	7.5YR 4/6	STRONG BR	SA CL	NCM
28.5	1	0-30	10YR 4/2	DK GR BR	SA CL LO	NCM
28.5	2	30-40	10YR 6/4	LT YL BR	SA CL LO	NCM
29.1	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM; gravel
29.1	2	34-44	10YR 6/4	LT YL BR	LO SA	NCM; gravel
29.2	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
29.2	2	31-41	10YR 6/4	LT YL BR	LO SA	NCM; gravel
29.3	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM; gravel
29.3	2	26-46	10YR 2/2	V DK BR	SA LO	gravel; small piece of charcoal
29.3	3	46-56	10YR 5/4	YL BR	CL LO	NCM; gravel
29.4	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM; gravel
29.4	2	26-38	7.5YR 5/3	BR	SA CL	NCM; gravel
29.5	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
29.5	2	28-38	7.5YR 5/3	BR	SA CL	NCM; gravel
30.1	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
30.1	2	30-40	7.5YR 5/4	BR	SA LO	NCM
30.2	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
30.2	2	28-41	10YR 5/3	BR	SA LO	NCM
30.3	1	0-26	10YR 3/2	V DK GR BR	SA LO	NCM
30.3	2	26-38	10YR 5/4	YL BR	SA CL LO	NCM
30.4	1	0-26	10YR 3/2	V DK GR BR	SA LO	NCM
30.4	2	26-38	10YR 5/4	YL BR	SA LO	NCM
30.5	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
30.5	2	28-40	7.5YR 5/4	BR	SA LO	NCM
31.1	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
31.1	2	31-41	7.5YR 4/6	STRONG BR	SA LO	NCM; gravel
31.2	1	0-37	10YR 4/2	DK GR BR	SA LO	NCM; gravel
31.2	2	37-47	7.5YR 4/6	STRONG BR	SA LO	NCM; gravel
31.3	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM; gravel
31.3	2	33-43	10YR 5/4	YL BR	SA LO	NCM
31.4	1	0-36	10YR 4/2	DK GR BR	SA LO	NCM; gravel
31.4	2	36-46	7.5YR 4/6	STRONG BR	SA CL	NCM
31.5	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM; gravel

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
31.5	2	32-42	7.5YR 4/6	STRONG BR	SA CL	NCM
32.1	1	0-27	7.5YR 3/3	DK BR	SA LO	NCM
32.1	2	27-38	7.5YR 5/8	STRONG BR	LO SA	NCM
32.2	1	0-26	7.5YR 3/3	DK BR	SA LO	NCM
32.2	2	26-38	7.5YR 5/8	STRONG BR	LO SA	NCM
32.3	1	0-29	7.5YR 3/3	DK BR	SA LO	NCM
32.3	2	29-39	7.5YR 5/8	STRONG BR	SA LO	NCM
32.4	1	0-32	7.5YR 3/3	DK BR	SA LO	NCM
32.4	2	32-42	7.5YR 5/8	STRONG BR	SA CL LO	NCM
32.5	1	0-32	7.5YR 3/3	DK BR	SA LO	NCM
32.5	2	32-42	7.5YR 5/8	STRONG BR	SA CL LO	NCM
33.1	1	0-39	10YR 4/2	DK GR BR	SA LO	NCM; gravel
33.1	2	39-50	10YR 5/4	YL BR	SA LO	NCM; gravel
33.2	1	0-40	10YR 4/2	DK GR BR	SA LO	NCM; gravel
33.2	2	40-53	10YR 5/4	YL BR	SA LO	NCM; gravel
33.3	1	0-37	10YR 4/2	DK GR BR	SA LO	NCM
33.3	2	37-48	10YR 5/4	YL BR	SA LO	NCM
33.4	1	0-38	10YR 4/2	DK GR BR	SA LO	NCM; gravel
33.4	2	38-49	10YR 5/4	YL BR	SA LO	NCM; gravel
33.5	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
33.5	2	31-43	10YR 5/4	YL BR	SA LO	NCM; gravel
34.1	1	0-31	10YR 4/3	BR	SA LO	NCM; gravel
34.1	2	31-43	10YR 5/4	YL BR	SA LO	NCM; gravel
34.2	1	0-26	10YR 4/3	BR	SA LO	NCM; gravel
34.2	2	26-38	10YR 5/4	YL BR	SA CL LO	NCM; gravel
34.3	1	0-23	10YR 4/3	BR	SA LO	NCM; gravel
34.3	2	23-35	10YR 5/4	YL BR	SA CL LO	NCM; gravel
34.4	1	0-25	10YR 4/3	BR	SA LO	NCM; gravel
34.4	2	25-35	10YR 5/4	YL BR	SA CL LO	NCM; gravel
34.5	1	0-25	10YR 4/3	BR	SA LO	NCM; gravel
34.5	2	25-35	10YR 5/4	YL BR	SA CL LO	NCM; gravel
35.1	1	0-29	10YR 3/2	V DK GR BR	SA LO	NCM
35.1	2	29-40	10YR 5/4	YL BR	SA LO	NCM
35.2	1	0-26	10YR 3/2	V DK GR BR	SA LO	NCM
35.2	2	26-	7.5YR 5/4	BR	SA LO	NCM
35.3	1	0-34	10YR 3/2	V DK GR BR	SA LO	NCM
35.3	2	34-44	7.5YR 5/4	BR	SA LO	NCM
35.4	1	0-35	10YR 3/2	V DK GR BR	SA LO	NCM
35.4	2	35-45	10YR 3/2 7.5YR 5/4	V DK GR BR BR	SA CL LO	NCM
35.5	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
35.5	2	30-40	7.5YR 5/4	BR	SA LO	NCM
36.1	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM; gravel
36.1	2	30-40	10YR 6/4	YL BR	SA CL	NCM
36.2	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM; gravel
36.2	2	32-42	10YR 5/4	YL BR	SA CL	NCM
36.3	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM; gravel
36.3	2	29-39	10YR 5/4	YL BR	SA CL	NCM
36.4	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM; gravel
36.4	2	34-44	10YR 5/4	YL BR	SA CL LO	NCM
36.5	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM; gravel
36.5	2	35-45	7.5YR 5/4	BR	SA CL LO	NCM
37.1	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
37.1	2	31-42	10YR 5/4	YL BR	SA CL	NCM; gravel

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
37.2	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM; gravel
37.2	2	26-38	10YR 5/4	YL BR	SA CL	NCM; gravel
37.3	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
37.3	2	28-38	10YR 5/4	YL BR	SA CL	NCM; gravel
37.4	1	0-27	10YR 4/3	BR	SA LO	NCM; gravel
37.4	2	27-39	10YR 5/4	YL BR	SA LO	NCM; gravel
37.5	1	0-31	10YR 4/3	BR	SA LO	NCM; gravel
37.5	2	31-41	10YR 5/4	YL BR	SA LO	NCM; gravel
38.1	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
38.1	2	28-39	10YR 6/4	LT YL BR	SA LO	NCM; gravel
38.2	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM; rock impasse at 25cm
38.3	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM
38.3	2	29-40	10YR 6/4	LT YL BR	SA LO	NCM
38.4	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
38.4	2	28-38	10YR 5/4	YL BR	SA LO	NCM; gravel
38.5	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM; gravel
38.5	2	30-40	10YR 5/4	YL BR	SA LO	NCM; gravel
39.1	1	0-20	7.5YR 3/3	DK BR	SA LO	NCM
39.1	2	20-31	7.5YR 5/8	STRONG BR	SA LO	NCM
39.2	1	0-19	7.5YR 3/3	DK BR	SA LO	NCM
39.2	2	19-30	7.5YR 5/8	STRONG BR	SA LO	NCM
39.3	1	0-20	7.5YR 3/3	DK BR	SA LO	NCM
39.3	2	20-33	7.5YR 5/8	STRONG BR	SA LO	NCM
39.4	1	0-30	7.5YR 3/3	DK BR	SA LO	NCM
39.4	2	30-40	7.5YR 5/8	STRONG BR	SA LO	NCM
39.5	1	0-26	7.5YR 3/3	DK BR	SA LO	NCM
39.5	2	26-37	7.5YR 5/8	STRONG BR	SA LO	NCM
40.1	1	0-27	10YR 3/2	V DK GR BR	SA LO	NCM
40.1	2	27-38	7.5YR 5/4	BR	SA LO	NCM
40.2	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
40.2	2	30-40	7.5YR 5/4	BR	SA LO	NCM
40.3	1	0-33	10YR 3/2	V DK GR BR	SA LO	NCM
40.3	2	33-33	10YR 6/2 10YR 6/8	LT BR GR BR YL	SA LO	NCM
40.4	1	0-27	10YR 3/2	V DK GR BR	SA LO	NCM
40.4	2	27-37	7.5YR 5/4	BR	SA LO	NCM
40.5	1	0-20	10YR 3/2	V DK GR BR	SA LO	NCM
40.5	2	20-30	7.5YR 5/4	BR	SA LO	NCM
41.1	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
41.1	2	32-44	10YR 5/4	YL BR	SA LO	NCM
41.2	1	0-23	10YR 4/2	DK GR BR	SA LO	NCM
41.2	2	23-35	10YR 5/4	YL BR	SA LO	NCM
41.3	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
41.3	2	33-44	10YR 5/4	YL BR	SA LO	NCM
41.4	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM; gravel
41.4	2	27-39	10YR 5/4	YL BR	SA LO	NCM; gravel
41.5	1	0-24	10YR 4/2	DK GR BR	SA LO	NCM; gravel
41.5	2	24-35	10YR 5/4	YL BR	SA LO	NCM; gravel
42.1	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
42.1	2	28-38	10YR 5/4	YL BR	SA LO	NCM
42.2	1	0-15	10YR 4/2	DK GR	SA LO	NCM
42.2	2	15-30	10YR 6/3 10YR 5/6	PALE BR YL BR	SA LO	NCM
42.3	1	0-23	10YR 4/2	DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
42.3	2	23-33	10YR 5/4	YL BR	SA LO	NCM
42.4	1	0-20	10YR 4/2	DK GR BR	SA LO	NCM
42.4	2	20-33	10YR 5/4	YL BR	SA LO	NCM
42.5	1	0-21	10YR 4/2	DK GR BR	SA LO	NCM
42.5	2	21-33	10YR 5/4	YL BR	SA LO	NCM
43.1	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM; gravel
43.1	2	26-30	10YR 5/4	YL BR	SA LO	NCM; gravel; rock impasse at 30cm
43.2	1	0-23	10YR 4/2	DK GR BR	SA LO	NCM; gravel
43.2	2	23-33	10YR 5/4	YL BR	SA LO	NCM; gravel
43.3	1	0-23	10YR 4/2	DK GR BR	SA LO	NCM; gravel
43.3	2	23-33	10YR 5/4	YL BR	SA LO	NCM; gravel
43.4	1	0-19	10YR 4/2	DK GR BR	SA LO	NCM; gravel
43.4	2	19-30	10YR 5/4	YL BR	SA LO	NCM; gravel
43.5	1	0-20	10YR 4/2	DK GR BR	SA LO	NCM; gravel
43.5	2	20-30	10YR 5/4	YL BR	SA LO	NCM; gravel
44.1	1	0-18	10YR 3/2	V DK GR BR	SA LO	NCM
44.1	2	18-29	10YR 6/2	LT BR GR	SA LO	NCM
44.2	1	0-24	10YR 3/2	V DK GR BR	SA LO	NCM
44.2	2	24-35	10YR 5/4	YL BR	SA CL LO	NCM
44.3	1	0-18	10YR 3/2	V DK GR BR	SA LO	NCM
44.3	2	18-30	10YR 5/4	YL BR	SA CL LO	NCM
44.4	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
44.4	2	28-38	10YR 5/4	YL BR	SA LO	NCM
45.1	1	0-15	10YR 4/2	DK GR BR	SA LO	NCM; gravel
45.1	2	15-20	10YR 5/4	YL BR	SA LO	NCM; rock impasse at 20cm
45.2	1	0-17	10YR 4/2	DK GR BR	SA LO	NCM
45.2	2	27-27	10YR 5/4	YL BR	SA LO	NCM
46.1	1	0-16	10YR 4/2	DK GR BR	SI LO	NCM
46.1	2	16-30	10YR 5/4	YL BR	SA CL LO	NCM
46.2	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
46.2	2	20-34	10YR 5/4	YL BR	SA CL LO	NCM
46.3	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
46.3	2	18-31	10YR 5/4	YL BR	SA CL LO	NCM
47.1	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM
47.1	2	25-35	10YR 5/4	YL BR	SA CL LO	NCM
47.2	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM; water at 15cm
47.3	1	0-10	10YR 4/2	DK GR BR	SA LO	NCM; water at 5cm; standing water impasse
47.4	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
47.4	2	30-43	10YR 6/4	LT YL BR	SA	NCM
47.5	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
47.5	2	32-42	10YR 5/4	YL BR	SA LO	NCM
47.6	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM
47.6	2	34-45	10YR 5/4	YL BR	SA LO	NCM
48.1	1	0-38	10YR 3/2	V DK GR BR	SA LO	NCM
48.1	2	38-48	10YR 5/2	GR BR	SA CL LO	NCM
48.2	1	0-29	10YR 3/2	V DK GR BR	SI LO	NCM
48.2	2	29-40	7.5YR 5/4	BR	SI CL	NCM
48.3	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
48.3	2	30-40	7.5YR 5/4	BR	SA CL LO	NCM
48.4	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
48.4	2	30-40	10YR 5/2	GR BR	SA CL LO	NCM
48.5	1	0-32	10YR 5/3	BR	SA LO	NCM
48.5	2	32-42	7.5YR 5/4	BR	SA CL LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
48.6	1	0-35	10YR 5/3	BR	SA LO	NCM
48.6	2	35-45	10YR 6/2 10YR 5/3	LT BR GR BR YL	SA LO	NCM
48.7	1	0-20	10YR 3/2	V DK GR BR	SA LO	NCM
48.7	2	20-30	10YR 6/2	LT BR GR	SA LO	NCM
49.1	1	0-25	10YR 4/1	DK GR	SI LO	NCM; gravel
49.1	2	25-35	10YR 5/4	YL BR	SA LO	NCM; gravel
49.2	1	0-25	10YR 4/1	DK GR	SI LO	NCM; gravel
49.2	2	25-35	10YR 5/4	YL BR	SA LO	NCM; gravel
49.3	1	0-28	10YR 4/1	DK GR	SI LO	NCM; gravel
49.3	2	28-40	10YR 5/4	YL BR	SA LO	NCM; gravel
49.4	1	0-31	10YR 5/2	GR BR	SA LO	NCM; gravel
49.4	2	31-42	10YR 6/6	BR YL	LO SA	NCM
49.5	1	0-30	10YR 5/2	GR BR	SA LO	NCM; gravel
49.5	2	30-40	7.5YR 4/2	BR	SA CL	NCM; gravel
49.6	1	0-39	10YR 5/2	GR BR	SA LO	NCM
49.6	2	39-50	7.5YR 4/2	BR	SA CL	NCM
49.7	1	0-21	10YR 5/2	GR BR	SA LO	NCM; gravel
49.7	2	21-33	7.5YR 4/2	BR	SA LO	NCM; gravel
50.1	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
50.1	2	33-43	10YR 5/6	YL BR	SA CL LO	NCM
50.2	1	0-38	10YR 4/2	DK GR BR	SA LO	NCM
50.2	2	38-48	10YR 5/6	YL BR	SA CL LO	NCM
50.3	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
50.3	2	32-43	10YR 5/6	YL BR	SA CL LO	NCM
50.4	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM
50.4	2	34-44	10YR 5/6	YL BR	SA CL LO	NCM
50.5	1	0-37	10YR 4/2	DK GR BR	SA LO	NCM
50.5	2	37-48	10YR 5/6	YL BR	SA CL LO	NCM
50.6	1	0-38	10YR 4/2	DK GR BR	SA LO	NCM
50.6	2	38-48	10YR 5/6	YL BR	SA CL LO	NCM
50.7	1	0-39	10YR 4/2	DK GR BR	SA LO	NCM
50.7	2	39-49	10YR 5/6	YL BR	SA CL LO	NCM
51.1	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM;
51.1	2	26-39	10YR 6/4	LT YL BR	SA LO	NCM
51.2	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
51.2	2	32-44	10YR 6/4	LT YL BR	SA LO	NCM
51.3	1	0-36	10YR 4/2	DK GR BR	SA LO	NCM
51.3	2	36-46	10YR 6/4	LT YL BR	SA LO	NCM
51.4	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM; gravel
51.4	2	33-44	10YR 5/4	YL BR	SA LO	NCM
51.5	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
51.5	2	31-42	10YR 5/4	YL BR	SA LO	NCM
51.6	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM
51.6	2	34-44	10YR 5/4	YL BR	SA LO	NCM
51.7	1	0-36	10YR 4/2	DK GR BR	SA LO	NCM; gravel
51.7	2	36-47	10YR 5/4	YL BR	SA LO	NCM
51.8	1	0-38	10YR 4/2	DK GR BR	SA LO	NCM
51.8	2	38-48	10YR 5/4	YL BR	SA LO	NCM
52.1	1	0-28	10YR 3/2	V DK GR BR	SA LO	1 piece whiteware
52.1	2	28-40	7.5YR 5/4	BR	SA CL LO	NCM
52.2	1	0-36	10YR 3/2	V DK GR BR	SA LO	NCM
52.2	2	36-46	7.5YR 5/4	BR	SA CL LO	NCM
52.3	1		10YR 3/2	V DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
52.3	2	30-40	7.5YR 5/4	BR	SA CL LO	NCM
52.4	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
52.4	2	30-40	10YR 6/2 10YR 6/8	LT BR GR BR YL	SA CL LO	NCM
52.5	1	0-26	10YR 3/2	V DK GR BR	SA LO	NCM
52.5	2	26-36	7.5YR 5/4	BR	SA CL LO	NCM
52.6	1	0-25	10YR 3/2	V DK GR BR	SA LO	NCM
52.6	2	25-35	7.5YR 5/4	BR	SA CL LO	NCM
52.7	1	0-37	10YR 3/2	V DK GR BR	SA LO	NCM
52.7	2	37-47	7.5YR 5/4	BR	SA CL LO	NCM
52.8	1	0-38	10YR 3/2	V DK GR BR	SA LO	NCM
52.8	2	38-50	7.5YR 5/4	BR	SA CL LO	NCM
53.1	1	0-22	10YR 4/2	DK GR BR	SA LO	NCM; gravel
53.1	2	22-34	7.5YR 3/4	DK BR	SA LO	NCM; gravel
53.2	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
53.2	2	28-38	10YR 5/4	YL BR	SA LO	NCM; gravel
53.3	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
53.3	2	28-38	10YR 5/4	YL BR	SA LO	NCM; gravel
53.4	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM; gravel
53.4	2	27-40	10YR 5/4	YL BR	SA LO	NCM; gravel
53.5	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM; gravel
53.5	2	27-37	10YR 5/4	YL BR	SA LO	NCM; gravel
53.6	1	0-24	10YR 4/2	DK GR BR	SA LO	NCM; gravel
53.6	2	24-35	10YR 5/4	YL BR	SA LO	NCM; gravel
53.7	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM; gravel
53.7	2	26-36	10YR 5/4	YL BR	SA LO	NCM; gravel
53.8	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
53.8	2	28-38	10YR 5/4	YL BR	SA LO	NCM; gravel
54.1	1	0-24	10YR 4/2	DK GR BR	SA LO	NCM
54.1	2	24-35	7.5YR 5/4	BR	SA LO	NCM
54.2	1	0-22	10YR 4/2	DK GR BR	SA LO	NCM
54.2	2	22-33	7.5YR 5/4	BR	SA LO	NCM
54.3	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM
54.3	2	25-36	7.5YR 5/4	BR	SA LO	NCM
54.4	1	0-24	7.5YR 3/3	DK BR	SA LO	NCM
54.4	2	24-34	7.5YR 5/4	BR	SA CL LO	NCM
54.5	1	0-26	7.5YR 3/3	DK BR	SA LO	NCM
54.5	2	26-37	7.5YR 5/4	BR	SA CL LO	NCM
54.6	1	0-20	7.5YR 3/3	DK BR	SA LO	NCM; rock impasse at 20cm
54.7	1	0-27	7.5YR 3/3	DK BR	SA LO	NCM
54.7	2	27-38	7.5YR 5/4	YL BR	SA CL LO	NCM
54.8	1	0-33	7.5YR 3/3	DK BR	SA LO	NCM
54.8	2	33-43	7.5YR 5/4	BR	SA CL LO	NCM
55.1	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
55.1	2	33-45	10YR 5/4	YL BR	SA LO	NCM
55.2	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
55.2	2	31-41	10YR 5/4	YL BR	SA LO	NCM
55.3	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
55.3	2	32-45	10YR 5/4	YL BR	SA LO	NCM
55.4	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
55.4	2	30-43	10YR 5/4	YL BR	SA LO	NCM
55.5	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
55.5	2	28-38	10YR 5/4	YL BR	SA LO	NCM
55.6	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
55.6	2	32-44	10YR 5/4	YL BR	SA LO	NCM
55.7	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM
55.7	2	35-45	10YR 5/4	YL BR	SA LO	NCM
55.8	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
55.8	2	33-43	10YR 5/4	YL BR	SA LO	NCM
56.1	1	0-23	10YR 3/2	V DK GR BR	SA LO	NCM
56.1	2	23-33	10YR 5/4	YL BR	SA LO	NCM
56.2	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
56.2	2	30-41	10YR 6/8	BR YL	SA CL LO	NCM
56.3	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
56.3	2	28-39	10YR 6/8	BR YL	SA CL LO	NCM
56.4	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
56.4	2	28-40	7.5YR 5/4	BR	SA LO	NCM
56.5	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
56.5	2	30-40	7.5YR 5/4	BR	SA LO	NCM
56.6	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
56.6	2	30-40	10YR 5/4	YL BR	SA LO	NCM
56.7	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
56.7	2	30-40	7.5YR 5/4	BR	SA LO	NCM
56.8	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
56.8	2	30-40	10YR 6/2	LT BR GR	SA LO	NCM
57.1	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM; gravel
57.1	2	26-36	10YR 5/4	YL BR	SA LO	NCM; gravel
57.2	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
57.2	2	28-38	10YR 5/4	YL BR	SA LO	NCM; gravel
57.3	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM; gravel
57.3	2	25-38	10YR 5/4	YL BR	SA LO	NCM; gravel
57.4	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM; gravel
57.4	2	29-40	10YR 5/4	YL BR	SA LO	NCM; gravel
57.5	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
57.5	2	28-38	10YR 5/4	YL BR	SA LO	NCM; gravel
57.6	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
57.6	2	28-38	10YR 5/4	YL BR	SA LO	NCM; gravel
57.7	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM; gravel
57.7	2	27-38	10YR 5/4	YL BR	SA CL LO	NCM; gravel
57.8	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM; gravel
57.8	2	29-39	10YR 5/4	YL BR	SA CL LO	NCM; gravel
58.1	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
58.1	2	28-40	7.5YR 5/4	BR	SA CL	NCM
58.2	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
58.2	2	30-40	10YR 6/2	LT BR GR	SA LO	NCM
58.3	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
58.3	2	28-39	7.5YR 5/4	BR	SA CL LO	NCM
58.4	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
58.4	2	32-43	10YR 6/2	LT BR GR	SA CL LO	NCM
58.5	1	0-40	10YR 4/2	DK GR BR	SA LO	NCM
58.5	2	40-50	10YR 6/2	LT BR GR	SA CL LO	NCM
58.6	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM
58.6	2	35-45	10YR 5/4	YL BR	SA LO	NCM
58.7	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
58.7	2	33-43	7.5YR 5/4	BR	SA CL LO	NCM
58.8	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM
58.8	2	34-45	10YR 5/4	YL BR	SA LO	NCM
59.1	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
59.1	2	28-40	10YR 5/4	YL BR	SA LO	NCM
59.2	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM
59.2	2	26-37	10YR 6/4	LT YL BR	SA LO	NCM
59.3	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
59.3	2	32-43	10YR 6/4	LT YL BR	SA LO	NCM
59.4	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM; gravel
59.4	2	35-45	10YR 5/4	YL BR	SA LO	NCM; gravel
59.5	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM; gravel
59.5	2	33-45	10YR 5/4	YL BR	SA LO	NCM; gravel
59.6	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
59.6	2	31-41	10YR 5/4	YL BR	SA LO	NCM; gravel
59.7	1	0-36	10YR 4/2	DK GR BR	SA LO	NCM
59.7	2	36-46	10YR 5/4	YL BR	SA LO	NCM
59.8	1	0-38	10YR 4/2	DK GR BR	SA LO	NCM
59.8	2	38-48	10YR 5/4	YL BR	SA LO	NCM
60.1	1	0-30	10YR 4/3	BR	SA LO	NCM
60.1	2	30-40	10YR 4/6	DK YL BR	SA CL LO	NCM
60.2	1	0-33	10YR 4/3	BR	SA LO	NCM
60.2	2	33-43	10YR 4/6	DK YL BR	SA CL LO	NCM
60.3	1	0-35	10YR 4/3	BR	SA LO	NCM
60.3	2	35-45	10YR 4/6	DK YL BR	SA CL LO	NCM
60.4	1	0-40	10YR 4/3	BR	SA LO	NCM
60.4	2	40-50	10YR 4/6	DK YL BR	SA CL LO	NCM
60.5	1	0-44	10YR 4/3	BR	SA LO	NCM
60.5	2	44-54	10YR 4/6	DK YL BR	SA CL LO	NCM
60.6	1	0-17	10YR 4/3	BR	SA LO	NCM
60.6	2	17-30	10YR 4/6	DK YL BR	SA CL LO	NCM
60.7	1	0-20	10YR 4/3	BR	SA LO	NCM
60.7	2	20-30	10YR 4/6	DK YL BR	SA CL LO	NCM
60.8	1	0-26	10YR 4/3	BR	SA LO	NCM
60.8	2	26-36	10YR 4/6	DK YL BR	SA CL LO	NCM
61.1	1	0-30	10YR 4/3	BR	SA LO	NCM
61.1	2	30-40	10YR 5/6	YL BR	SA CL LO	NCM
61.2	1	0-34	10YR 4/3	BR	SA LO	NCM
61.2	2	34-44	10YR 6/4	YL BR	SA CL LO	NCM
61.3	1	0-30	10YR 4/3	BR	SA LO	NCM
61.3	2	30-40	7.5YR 5/6	STRONG BR	SA CL LO	NCM
61.4	1	0-31	10YR 4/3	BR	SA CL	NCM
61.4	2	31-41	10YR 6/4	LT YL BR	SA CL LO	NCM
61.5	1	0-32	10YR 4/3	BR	SA CL	NCM
61.5	2	32-42	7.5YR 6/4	LT BR	SA LO	NCM
61.6	1	0-33	10YR 4/3	BR	SA CL LO	NCM
61.6	2	33-43	7.5YR 5/6	STRONG BR	SA LO	NCM
61.7	1	0-32	10YR 4/3	BR	SA CL LO	NCM
61.7	2	32-42	7.5YR 6/4	LT BR	SA LO	NCM
61.8	1	0-30	10YR 4/3	BR	SA CL LO	NCM
61.8	2	30-40	7.5YR 6/4	LT BR	SA LO	NCM
62.1	1	0-30	7.5YR 3/3	DK BR	SA LO	NCM
62.1	2	30-40	7.5YR 5/4	BR	SA CL LO	NCM
62.2	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
62.2	2	33-44	10YR 6/3 10YR 5/6	PALE BR YL BR	SA LO	NCM
62.3	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
62.3	2	29-40	10YR 6/3 10YR 5/6	PALE BR YL BR	SA LO	NCM
62.4	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
62.4	2	30-41	10YR 6/4	LT YL BR	SA LO	NCM
62.5	1	0-29	7.5YR 3/3	DK BR	SA LO	NCM
62.5	2	29-40	7.5YR 5/4	BR	SA LO	NCM
62.6	1	0-31	7.5YR 3/3	DK BR	SA LO	NCM
62.6	2	31-41	7.5YR 5/4	BR	SA LO	NCM
62.7	1	0-27	7.5YR 3/3	DK BR	SA LO	NCM
62.7	2	27-38	7.5YR 5/4	BR	SA LO	NCM
62.8	1	0-13	7.5YR 3/3	DK BR	SA LO	NCM
62.8	2	13-30	7.5YR 5/4	BR	SA LO	NCM
63.1	1	0-36	10YR 5/2	GR BR	SA LO	NCM; gravel
63.1	2	36-46	10YR 7/3 10YR 5/8	V PALE BR YL BR	SA CL	NCM
63.2	1	0-35	10YR 5/2	GR BR	SA LO	NCM; gravel
63.2	2	35-45	10YR 7/3 10YR 5/8	V PALE BR YL BR	SA CL	NCM
63.3	1	0-31	10YR 5/2	GR BR	SA LO	NCM
63.3	2	31-42	10YR 5/6	YL BR	SA CL LO	NCM
63.4	1	0-29	10YR 5/3	BR	SA LO	NCM; gravel
63.4	2	29-40	10YR 5/6	YL BR	SA LO	NCM; gravel
63.5	1	0-33	10YR 5/2	GR BR	SA LO	NCM; gravel
63.5	2	33-43	10YR 7/3 10YR 5/8	V PALE BR YL BR	SA CL LO	NCM; gravel
63.6	1	0-30	10YR 5/2	GR BR	SA LO	NCM; gravel
63.6	2	30-40	10YR 7/3 10YR 5/8	V PALE BR YL BR	SA CL LO	NCM; gravel
63.7	1	0-30	10YR 5/2	GR BR	SA LO	NCM; gravel
63.7	2	30-40	10YR 5/4	YL BR	SA CL LO	NCM; gravel
63.8	1	0-27	10YR 5/2	GR BR	SA LO	NCM; gravel
63.8	2	27-38	10YR 5/4	YL BR	SA CL LO	NCM; gravel
64.1	1	0-33	10YR 5/2	GR BR	SA LO	NCM
64.1	2	33-45	10YR 6/3	PALE BR	SA LO	NCM
64.2	1	0-36	10YR 5/2	GR BR	SA LO	NCM
64.2	2	36-47	10YR 6/3	PALE BR	SA LO	NCM
64.3	1	0-35	10YR 5/2	GR BR	SA LO	NCM
64.3	2	35-47	10YR 5/4	YL BR	SA LO	NCM
64.4	1	0-28	10YR 5/2	GR BR	SA CL	NCM
64.4	2	28-40	10YR 5/4	YL BR	SA LO	NCM
64.5	1	0-32	10YR 5/2	GR BR	SA CL	NCM
64.5	2	32-45	10YR 6/4	LT YL BR	SA LO	NCM
64.6	1	0-30	10YR 5/2	GR BR	SA CL	NCM
64.6	2	30-41	10YR 6/4	LT YL BR	SA LO	NCM
64.7	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM
64.7	2	29-40	10YR 5/4	YL BR	SA LO	NCM
64.8	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM
64.8	2	29-40	10YR 5/4	YL BR	SA LO	NCM
65.1	1	0-32	10YR 3/2	V DK GR BR	SA LO	NCM
65.1	2	32-42	10YR 4/3	BR	SA CL LO	NCM
65.2	1	0-35	10YR 3/2	V DK GR BR	SA LO	NCM
65.2	2	35-45	10YR 6/2 10YR 4/3	LT BR GR BR YL	SA CL LO	NCM
65.3	1	0-36	10YR 4/2	DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
65.3	2	36-46	10YR 5/4	YL BR	SA LO	NCM
65.4	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
65.4	2	30-40	7.5YR 5/4	YL BR	SA LO	NCM
65.5	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
65.5	2	32-43	10YR 6/2	LT BR GR	SA CL LO	NCM
65.6	1	0-20	10YR 3/2	V DK GR BR	SA LO	NCM
65.6	2	20-30	10YR 6/8	BR YL	SA LO	NCM
65.7	1	0-20	10YR 3/2	V DK GR BR	SA LO	NCM
65.7	2	20-30	10YR 6/8	BR YL	SA LO	NCM
65.8	1	0-25	10YR 3/2	V DK GR BR	SA LO	NCM
65.8	2	25-36	10YR 6/8	BR YL	SA LO	
66.1	1	0-38	10YR 4/2	DK GR BR	SA CL LO	NCM
66.1	2	38-48	10YR 6/3	PALE BR	SI CL	NCM
66.2	1	0-35	10YR 4/2	DK GR BR	SA CL LO	NCM
66.2	2	35-45	10YR 6/3	PALE BR	SA LO	NCM
66.3	1	0-32	10YR 4/3	BR	SA LO	NCM
66.3	2	32-42	10YR 6/4	LT YL BR	SA LO	NCM
66.4	1	0-26	10YR 4/3	BR	SA LO	NCM; rock impasse at 26cm
66.5	1	0-31	10YR 4/3	BR	SA LO	NCM
66.5	2	31-41	10YR 5/6	YL BR	SA LO	NCM
66.6	1	0-29	10YR 4/3	BR	SA LO	NCM
66.6	2	29-39	10YR 5/6	YL BR	SA LO	NCM
66.7	1	0-30	10YR 4/3	BR	SA LO	NCM
66.7	2	30-40	10YR 6/4	LT YL BR	SA LO	NCM
66.8	1	0-31	10YR 4/3	BR	SA LO	NCM
66.8	2	31-41	10YR 6/4	LT YL BR	SA LO	NCM
67.1	1	0-33	10YR 5/3	BR	SA LO	NCM; gravel
67.1	2	33-45	10YR 5/6	YL BR	SA CL LO	NCM
67.2	1	0-32	10YR 5/3	BR	SA LO	NCM; gravel
67.2	2	32-42	10YR 5/6	YL BR	SA LO	NCM
67.3	1	0-30	10YR 5/3	BR	SA LO	NCM
67.3	2	30-42	10YR 5/6	YL BR	SA LO	NCM
67.4	1	0-27	10YR 5/3	BR	SA LO	NCM; gravel
67.4	2	27-37	10YR 5/6	YL BR	SA CL LO	NCM
67.5	1	0-30	10YR 5/3	BR	SA LO	NCM
67.5	2	30-40	10YR 6/4	LT YL BR	SA CL LO	NCM
67.6	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM
67.6	2	26-38	10YR 6/4	LT YL BR	SA CL LO	NCM
67.7	1	0-30	10YR 4/2	DK GR BR	SA LO	1 flake; gravel
67.7	2	30-40	10YR 5/4	YL BR	SA LO	NCM; gravel
67.8	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.8	2	31-43	10YR 5/4	YL BR	SA LO	NCM
67.7+4mN	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+4mN	2	27-37	10YR 5/4	YL BR	SA	NCM; gravel
67.7+6mN	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+6mN	2	27-37	10YR 5/4	YL BR	SA	NCM; gravel
67.7+3mN/1mW	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+3mN/1mW	2	25-35	10YR 5/4	YL BR	SA	NCM; gravel
67.7+3mN/3mW	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+3mN/3mW	2	31-41	10YR 5/4	YL BR	SA	NCM; gravel
67.7+3mN/1mE	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+3mN/1mE	2	30-40	10YR 5/4	YL BR	SA	NCM; gravel
67.7+3mN/3mE	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+3mN/3mE	2	26-36	10YR 5/4	YL BR	SA	NCM; gravel

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
67.7+1N	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+1N	2	28-38	10YR 5/4	YL BR	SA	NCM; gravel
67.7+3N	1	0-29	10YR 4/2	DK GR BR	SA LO	1 flake
67.7+3N	2	29-39	10YR 5/4	YL BR	SA LO	NCM
67.7+1E	1	0-30	10YR 4/2	DK GR BR	SA LO	buried tarp at 29cm
67.7+1E	2	30-40	10YR 5/4	YL BR	SA LO	NCM
67.7+3E	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+3E	2	28-40	7.5YR 5/4	BR	SA	NCM; gravel
67.7+1S	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+1S	2	35-45	10YR 5/4	YL BR	SA	NCM; gravel
67.7+3S	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+3S	2	29-39	10YR 5/4	YL BR	SA	NCM; gravel
67.7+1W	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+1W	2	25-35	10YR 5/4	YL BR	SA LO	NCM; gravel
67.7+3W	1	0-21	10YR 4/2	DK GR BR	SA LO	NCM; gravel
67.7+3W	2	21-31	110YR 5/4	YL BR	SA LO	NCM; gravel
68.1	1	0-43	10YR 4/3	BR	SA LO	NCM
68.1	2	43-53	10YR 6/6	BR YL	SA LO	NCM
68.2	1	0-44	10YR 4/3	BR	SA LO	NCM
68.2	2	44-54	10YR 6/6	BR YL	SA LO	NCM
68.3	1	0-42	10YR 4/3	BR	SA LO	NCM
68.3	2	42-52	10YR 6/6	BR YL	SA LO	NCM
68.4	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
68.4	2	30-40	10YR 6/3	PALE BR	SA LO	NCM
68.5	1	0-15	10YR 4/4	DK YL BR	SA LO	NCM
68.5	2	15-30	10YR 3/4	DK YL BR	SA LO	NCM
68.6	1	0-30	10YR 4/4	DK YL BR	SA LO	NCM
68.6	2	30-40	10YR 3/4	DK YL BR	SA LO	NCM
68.7	1	0-36	10YR 4/2	DK GR BR	SA LO	NCM
68.7	2	36-46	10YR 3/4	DK YL BR	SA LO	NCM
68.8	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM; rock impasse at 30cm
69.1	1	0-30	7.5YR 4/4	BR	SA LO	NCM
69.1	2	30-42	7.5YR 5/6	STRONG BR	SA LO	NCM
69.2	1	0-30	7.5YR 4/4	BR	SA LO	NCM
69.2	2	30-41	7.5YR 5/6	STRONG BR	SA LO	NCM
69.3	1	0-21	7.5YR 3/3	DK BR	SA LO	NCM
69.3	2	21-32	7.5YR 5/4	BR	SA LO	NCM
69.4	1	0-34	10YR 4/3	BR	SA LO	NCM
69.4	2	34-44	10YR 5/6	YL BR	SA LO	NCM
69.5	1	0-31	10YR 4/3	BR	SA LO	NCM
69.5	2	31-42	10YR 5/6	YL BR	SA LO	NCM
69.6	1	0-28	7.5YR 4/4	BR	SA LO	NCM
69.6	2	28-40	10YR 6/4	LT YL BR	SA	NCM
69.7	1	0-20	10YR 4/3	BR	SA LO	NCM
69.7	2	20-31	10YR 6/4	LT YL BR	SA LO	NCM
69.8	1	0-18	10YR 4/3	BR	SA LO	NCM
69.8	2	18-24	10YR 6/4	LT YL BR	SA LO	NCM; rock impasse at 24cm
70.1	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM
70.1	2	27-38	10YR 6/8	BR YL	SA LO	NCM
70.2	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
70.2	2	30-40	10YR 5/4	YL BR	SA LO	NCM
70.3	1	0-36	10YR 4/2	DK GR BR	SA LO	NCM
70.3	2	36-46	10YR 6/2	LT BR GR	SA LO	NCM
70.4	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
70.4	2	27-38	10YR 6/2 10YR 6/8	LT BR GR BR YL	SA CL LO	NCM
70.5	1	0-32	10YR 3/2	V DK GR BR	SA LO	NCM
70.5	2	32-42	10YR 5/4	YL BR	LO SA	NCM
70.6	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
70.6	2	28-39	10YR 5/4	YL BR	SA LO	NCM
70.7	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
70.7	2	30-40	10YR 5/4	YL BR	SA LO	NCM
70.8	1	0-27	10YR 3/2	V DK GR BR	SA LO	NCM
70.8	2	27-39	10YR 6/2	LT BR GR	SA LO	NCM
71.1	1	0-39	10YR 4/3	BR	SA LO	NCM
71.1	2	39-49	7.5YR 5/4	BR	SA CL LO	NCM
71.2	1	0-31	10YR 4/3	BR	SA LO	NCM
71.2	2	31-41	7.5YR 5/4	BR	SA CL LO	NCM
71.3	1	0-29	10YR 4/3	BR	SA LO	NCM
71.3	2	29-39	10YR 6/4	LT YL BR	SA LO	NCM
71.4	1	0-32	10YR 4/3	BR	SA LO	NCM
71.4	2	32-42	10YR 6/4	LT YL BR	SA LO	NCM
71.5	1	0-30	10YR 4/3	BR	SA LO	NCM
71.5	2	30-40	10YR 6/4	LT YL BR	SA LO	NCM
71.6	1	0-28	10YR 4/3	BR	SA LO	NCM
71.6	2	28-38	10YR 5/6	YL BR	SA LO	NCM
71.7	1	0-25	10YR 4/3	BR	SA LO	NCM
71.7	2	25-35	10YR 6/4	LT YL BR	SA LO	NCM
71.8	1	0-24	10YR 4/3	BR	SA LO	NCM
71.8	2	24-34	10YR 6/4	LT YL BR	SA LO	NCM
72.1	1	0-37	10YR 4/2	DK GR BR	SA LO	NCM
72.1	2	37-47	10YR 5/4	YL BR	SA LO	NCM
72.2	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM
72.2	2	35-47	10YR 5/4	YL BR	SA LO	NCM
72.3	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
72.3	2	33-45	10YR 5/4	YL BR	SA LO	NCM
72.4	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
72.4	2	28-38	10YR 5/4	YL BR	SA LO	NCM
72.5	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
72.5	2	31-42	10YR 5/4	YL BR	SA LO	NCM
72.6	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM
72.6	2	26-38	10YR 6/4	LT YL BR	SA LO	NCM
73.1	1	0-40	10YR 4/2	DK GR BR	SA LO	NCM
73.1	2	40-50	10YR 5/4	YL BR	SA LO	NCM
73.2	1	0-42	10YR 4/2	DK GR BR	SA LO	NCM
73.2	2	42-52	10YR 5/4	YL BR	SA LO	NCM
73.3	1	0-44	10YR 4/2	DK GR BR	SA LO	NCM
73.3	2	44-54	10YR 5/4	YL BR	SA LO	NCM
73.4	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM; gravel
73.4	2	31-43	10YR 5/4	YL BR	SA LO	NCM
74.1	1	0-20	10YR 4/4	DK YL BR	SA LO	NCM
74.1	2	20-30	10YR 4/6	DK YL BR	SA LO	NCM
74.2	1	0-45	10YR 4/4	DK YL BR	SA LO	NCM
74.2	2	45-55	10YR 4/6	DK YL BR	SA LO	NCM
74.3	1	0-40	10YR 4/4	DK YL BR	SA LO	NCM
74.3	2	40-50	10YR 4/6	DK YL BR	SA LO	NCM
75.1	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM
75.1	2	27-37	10YR 5/4	YL BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
75.2	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
75.2	2	31-43	10YR 5/4	YL BR	SA LO	NCM
75.3	1	0-42	10YR 4/2	DK GR BR	SA LO	NCM; rock impasse at 42cm
76.1	1	0-18	10YR 4/2	DK GR BR	SA LO	asphalt
76.1	2	18-30	10YR 5/4	YL BR	SA LO	NCM
76.2	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
76.2	2	33-44	10YR 5/4	YL BR	SA LO	NCM
76.3	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM
76.3	2	35-45	10YR 5/4	YL BR	SA LO	NCM
77.1	1	0-20	10YR 3/2	V DK GR BR	SI LO	NCM; standing water
77.2	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM
77.2	2	34-44	10YR 6/2 10YR 5/4	LT BR GR YL BR	SA CL LO	NCM
77.3	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
77.3	2	28-40	10YR 6/8	BR YL	SA CL LO	NCM
78.1	1	0-22	10YR 4/3	BR	SA LO	NCM
78.1	2	22-32	7.5YR 5/6	STRONG BR	SA LO	NCM
78.2	1	0-25	10YR 5/3	BR	SA LO	NCM
78.2	2	25-35	10YR 5/6	YL BR	SA LO	NCM
78.3	1	0-28	10YR 5/3	BR	SA LO	NCM
78.3	2	28-38	10YR 5/6	YL BR	SA LO	NCM
79.1	1	0-28	10YR 5/2	GR BR	SA LO	NCM; gravel; rock/debris impasse at 28cm
79.2	1	0-10	10YR 5/3	BR	SA LO	NCM; gravel
79.2	2	10-22	10YR 5/4	YL BR	SA LO	NCM; gravel
79.3	1	0-27	10YR 5/3	BR	SA LO	NCM; gravel
79.3	2	27-37	10YR 5/4	YL BR	SA LO	NCM; gravel
80.1	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM; gravel
80.1	2	29-41	10YR 5/4	YL BR	SA LO	NCM; gravel
80.2	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
80.2	2	32-42	10YR 5/4	YL BR	SA LO	NCM
80.3	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
80.3	2	28-43	10YR 5/4	YL BR	SA LO	NCM
81.1	1	0-20	10YR 4/3 10YR 5/4 10YR 6/8	BR YL BR BR YL	SA CL LO	NCM
81.1	2	20-30	10YR 5/4 10YR 6/8	YL BR BR YL	SA CL LO	NCM
81.2	1	0-40	10YR 5/3	BR	SA LO	NCM
81.2	2	40-50	10YR 6/8	BR YL	SA CL LO	NCM
81.3	1	0-33	10YR 4/3	BR	SA LO	NCM
81.3	2	33-43	10YR 6/8 10YR 5/4	BR YL YL BR	SA CL LO	NCM
82.1	1	0-25	10YR 4/2	DK GR BR	SA CL LO	NCM
82.1	2	25-35	10YR 5/2 10YR 5/6	GR BR YL BR	SA CL LO	NCM
82.2	1	0-30	10YR 4/2	DK GR BR	SA CL LO	NCM
82.2	2	30-40	10YR 6/6	BR YL	LO SA	NCM
82.3	1	0-31	10YR 4/2	DK GR BR	SA CL LO	NCM
82.3	2	31-41	10YR 5/6	YL BR	SA LO	NCM
83.1	1	0-42	10YR 4/2 10YR 5/6	DK GR BR YL BR	SA LO	NCM
83.1	2	42-52	10YR 5/6	YL BR	SA LO	NCM
83.2	1	0-49	10YR 4/2	DK GR BR	SA LO	NCM

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
83.2	2	49-59	10YR 5/6	YL BR	SA LO	NCM
83.3	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM
83.3	2	29-39	10YR 5/2	GR BR	SA LO	NCM
84.1	1	0-27	10YR 5/2	DK GR BR	SA LO	NCM; gravel
84.1	2	27-37	10YR 5/4	YL BR	SA LO	NCM
84.2	1	0-24	10YR 5/3	BR	SA LO	NCM
84.2	2	24-35	10YR 5/4	YL BR	SA LO	NCM
84.3	1	0-25	10YR 5/3	BR	SA LO	NCM
84.3	2	25-35	10YR 5/4	YL BR	SA LO	NCM
85.1	1	0-34	10YR 4/2	DK GR BR	SA LO	NCM
85.1	2	34-45	10YR 5/4	YL BR	SA LO	NCM
85.2	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
85.2	2	30-40	10YR 5/4	YL BR	SA LO	NCM
85.3	1	0-32	10YR 4/2	DK GR BR	SA LO	NCM
85.3	2	32-44	10YR 5/4	YL BR	SA LO	
86.1	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM
86.1	2	29-42	10YR 5/4	YL BR	SA LO	NCM
86.2	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
86.2	2	33-45	10YR 5/4	YL BR	SA LO	NCM
86.3	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
86.3	2	30-40	10YR 5/4	YL BR	SA LO	NCM
86.4	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
86.4	2	31-42	10YR 5/4	YL BR	SA LO	NCM
87.1	1	0-20	10YR 3/2	V DK GR BR	SA LO	NCM
87.1	2	20-30	10YR 6/8	BR YL	SA CL LO	NCM
87.2	1	0-32	10YR 3/2	V DK GR BR	SA LO	NCM
87.2	2	32-42	10YR 6/8	BR YL	SA CL LO	NCM
87.3	1	0-23	10YR 3/2	V DK GR BR	SA LO	NCM
87.3	2	23-35	10YR 6/8	BR YL	SA CL LO	NCM
87.4	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
87.4	2	28-38	10YR 6/2 10YR 6/8	LT BR GR YL BR	SA CL LO	NCM
88.1	1	0-27	10YR 5/3	BR	SA LO	NCM; gravel
88.1	2	27-37	10YR 5/4	YL BR	SA LO	NCM; gravel
88.2	1	0-27	10YR 5/3	BR	SA LO	NCM; gravel
88.2	2	27-37	10YR 5/4	YL BR	SA LO	NCM; gravel
88.3	1	0-28	10YR 5/3	BR	SA LO	NCM; gravel
88.3	2	28-38	10YR 5/4	YL BR	SA LO	NCM; gravel
89.1	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM
89.1	2	29-39	10YR 5/4	YL BR	SA LO	NCM
A1	1	0-26	10YR 4/1	DK GR	SI LO	gravel; assorted nails; 4 pieces clear bottle glass; 1 piece ceramic; charred wood; rock impasse at 26cm
A2	1	0-18	10YR 3/2	V DK GR BR	SA LO	NCM
A2	2	18-36	10YR 5/4	YL BR	SA LO	1 piece bottle glass
A2	3	36-50	10YR 4/2	DK GR BR	SA LO	1 cut nail
B1	1	0-12	10YR 4/2 10YR 5/6	DK GR BR YL BR	SA LO	NCM
B2	1	0-14	10YR 4/2	DK GR BR	SA LO	NCM; root impasse at 14cm
C1	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM; gravel
C1	2	18-28	10YR 6/4 10YR 5/6	LT YL BR YL BR	SA CL LO	NCM; gravel
C2	1	0-20	10YR 4/2	DK GR BR	SA LO	NCM; gravel
C2	2	20-40	10YR 5/6	YL BR	SA CL LO	NCM; gravel

Shovel Test Log for Project Site 1 Erie Station/West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
D1	1	0-15	10YR 3/2	V DK GR BR	SA LO	NCM; gravel
D1	2	15-28	10YR 5/3	BR	SA LO	NCM
D2	1	0-17	10YR 3/1	V DK GR	SA LO	NCM
D2	2	17-29	10YR 3/1	V DK GR	SA LO	NCM
E1	1	0-16	10YR 3/2	V DK GR BR	SI LO	NCM
E1	2	16-20	7.5YR 5/4	BR	CL LO	NCM; rock impasse at 20cm
E2	1	0-23	10YR 3/2	V DK GR BR	SI LO	NCM
E2	2	23-33	10YR 3/2 10YR 6/2	V DK GR BR LT BR GR	SI CL LO	NCM; rock impasse at 33cm

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
1.1	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
1.1	2	26-36	10YR 5/6	YL BR	SI LO	NCM
1.2	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
1.2	2	27-37	10YR 5/6	YL BR	SI LO	NCM
1.3	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
1.3	2	26-36	10YR 5/6	YL BR	SI CVL LO	NCM
2.1	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM
2.1	2	27-37	10YR 5/4	YL BR	SA LO	NCM
2.2	1	0-29	10YR 4/2	DK GR BR	SA LO	NCM
2.2	2	29-40	10YR 5/4	YL BR	SA LO	NCM
2.3	1	0-30	10YR 4/2	DK GR BR	SA LO	NCM
2.3	2	30-43	10YR 5/4	YL BR	SA LO	NCM
2.4	1	0-15	10YR 4/2	DK GR BR	CL LO	NCM
2.4	2	15-25	7.5YR 5/4	BR	CL	NCM
2.5	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM
2.5	2	26-38	10YR 5/4	YL BR	SA LO	NCM
2.6	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM
2.6	2	25-36	10YR 5/4	YL BR	SA LO	NCM
2.7	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM
2.7	2	26-36	10YR 5/4	YL BR	SA LO	NCM
2.8	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
2.8	2	28-40	10YR 5/4	YL BR	SA LO	NCM
2.9	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM
2.9	2	25-36	10YR 5/4	YL BR	SA LO	NCM
2.10	1	0-13	10YR 4/1	DK GR	SA LO	NCM
2.10	2	13-23	10YR 5/4	YL BR	SA LO	NCM
3.1	1	0-35	10YR 3/2	V DK GR BR	SA LO	NCM
3.1	2	35-45	7.5YR 5/4	BR	SA CL LO	NCM
3.2	1	0-17	10YR 3/2	V DK GR BR	SA LO	NCM
3.2	2	17-28	7.5YR 5/4	BR	SA CL LO	NCM
3.3	1	0-15	10YR 3/2	V DK GR BR	SA LO	NCM
3.3	2	15-30	7.5YR 5/4	BR	SA CL LO	NCM
3.4	1	0-28	10YR 3/2	V DK GR BR	SI LO	NCM
3.4	2	28-40	10YR 5/4	YL BR	SI LO	NCM
3.5	1	0-26	10YR 3/2	V DK GR BR	SA LO	NCM
3.5	2	26-38	10YR 6/8	BR YL	SA CL LO	NCM
3.6	1	0-32	10YR 3/2	V DK GR BR	SI LO	NCM
3.6	2	32-42	10YR 6/8	BR YL	SI LO	NCM
3.7	1	0-30	10YR 4/4	DK YL BR	SA LO	NCM
3.7	2	30-40	10YR 5/6	YL BR	SA CL LO	NCM
3.8	1	0-26	10YR 4/4	DK YL BR	SA LO	NCM
3.8	2	26-36	7.5YR 5/2	BR	SA LO	NCM
3.9	1	0-25	10YR 4/4	DK YL BR	SA LO	NCM
3.9	2	25-35	7.5YR 5/2	BR	SA LO	NCM
4.1	1	0-22	7.5YR 4/4	BR	SA LO	NCM
4.1	2	22-32	7.5YR 4/6	STRONG BR	CL LO	NCM
4.2	1	0-20	7.5YR 4/4	BR	SA LO	NCM
4.2	2	20-30	7.5YR 4/6	STRONG BR	CL LO	NCM
4.3	1	0-24	7.5YR 4/4	BR	SA LO	NCM
4.3	2	24-34	7.5YR 4/6	STRONG BR	SI CL LO	NCM
Key	Soil Color: BL = black, BR = brown, DK = dark, GR = gray, LT = light, V = very, YL = yellow					
	Soil Description: CL = clay, LO = loam, SA = sand, SI = silt					
	Comments: NCM = no cultural material					

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
4.4	1	0-23	7.5YR 4/4	BR	SA LO	NCM
4.4	2	23-33	7.5YR 4/6	STRONG BR	SA CL LO	NCM
4.5	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM
4.5	2	25-35	10YR 5/6	YL BR	SA CL LO	NCM
4.6	1	0-24	10YR 4/2	DK GR BR	SA LO	NCM
4.6	2	24-34	10YR 5/4	YL BR	SA CL LO	NCM
4.7	1	0-14	7.5YR 5/2 7.5YR 6/4	BR LT BR	SA CL LO	NCM; root impasse at 14cm
4.8	1	0-28	7.5YR 5/2	BR	SA LO	NCM
4.8	2	28-38	7.5YR 6/4	LT BR	SA LO	NCM
4.9	1	0-26	7.5YR 5/2	BR	SA LO	NCM
4.9	2	26-36	7.5YR 6/4	LT BR	SA LO	NCM
5.1	1	0-20	10YR 4/1	DK GR	SI LO	NCM
5.1	2	20-30	10YR 5/3	BR	SI CL LO	NCM
5.2	1	0-27	10YR 4/1	DK GR	SI LO	NCM
5.2	2	27-37	7.5YR 5/4	BR	SI CL	NCM
5.3	1	0-26	10YR 4/1	DK GR	SI LO	NCM
5.3	2	26-37	7.5YR 5/4	BR	SI CL	NCM
5.4	1	0-10	10YR 4/2	DK GR BR	SI LO	NCM
5.4	2	10-30	10YR 5/4	YL BR	SI LO	NCM
5.5	1	0-12	10YR 4/2	DK GR BR	SI LO	NCM
5.5	2	12-31	10YR 5/4	YL BR	SI LO	NCM
5.6	1	0-15	10YR 4/2	DK GR BR	SI LO	NCM
5.6	2	15-30	10YR 5/4	YL BR	SI LO	NCM
5.7	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
5.7	2	26-36	10YR 6/4	LT YL BR	SA LO	NCM
5.8	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
5.8	2	28-38	10YR 6/4	LT YL BR	SA LO	NCM
5.9	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
5.9	2	27-37	10YR 6/4	LT YL BR	SA LO	
6.1	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
6.1	2	23-33	7.5YR 5/4	BR	CL LO	NCM
6.2	1	0-17	10YR 4/2	DK GR BR	SI LO	NCM
6.2	2	17-28	7.5YR 5/4	BR	CL	NCM
6.3	1	0-15	10YR 4/2	DK GR BR	SI LO	NCM
6.3	2	15-27	7.5YR 5/4	BR	CL	NCM
6.4	1	0-13	10YR 4/2	DK GR BR	SI LO	NCM
6.4	2	13-25	7.5YR 5/4	BR	CL LO	NCM
6.5	1	0-16	10YR 4/2	DK GR BR	SI LO	NCM
6.5	2	16-26	7.5YR 5/4	BR	CL LO	NCM
6.6	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
6.6	2	22-32	7.5YR 5/4	BR	CL LO	NCM
6.7	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
6.7	2	26-38	7.5YR 5/4	BR	CL LO	NCM
6.8	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
6.8	2	28-39	7.5YR 5/4	BR	CL LO	NCM
7.1	1	0-17	7.5YR 3/3	DK BR	SA LO	NCM
7.1	2	17-30	7.5YR 5/4	BR	SA CL LO	NCM
7.2	1	0-21	7.5YR 3/3	DK BR	SA LO	NCM
7.2	2	21-31	7.5YR 5/4	BR	SA CL LO	NCM
7.3	1	0-27	7.5YR 3/3	DK BR	SA LO	NCM
7.3	2	27-38	7.5YR 5/4	BR	SA CL LO	NCM
7.4	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
7.4	2	24-35	10YR 5/4	YL BR	SI LO	NCM

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
7.5	1	0-23	10YR 4/1	DK GR	SI LO	NCM
7.5	2	23-33	10YR 5/6	YL BR	CL LO	NCM
7.6	1	0-24	7.5YR 3/3	DK BR	SA LO	NCM
7.6	2	24-35	7.5YR 5/4	BR	SA LO	NCM
7.7	1	0-25	7.5YR 3/3	DK BR	SA LO	NCM
7.7	2	25-35	7.5YR 5/4	BR	SA LO	NCM
7.8	1	0-21	10YR 4/1	DK GR	SI LO	NCM
7.8	2	21-32	10YR 5/4	YL BR	CL LO	NCM
8.1	1	0-27	10YR 5/3	BR	SI LO	NCM
8.1	2	27-39	10YR 6/8	BR YL	SI CL LO	NCM
8.2	1	0-16	10YR 5/3	BR	SI LO	NCM
8.2	2	16-30	10YR 5/4	YL BR	SI CL LO	NCM
8.3	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM
8.3	2	35-45	10YR 6/8	BR YL	SA CL LO	NCM
8.4	1	0-28	10YR 5/3	BR	SI LO	NCM
8.4	2	28-39	10YR 5/8	YL BR	SI CL LO	NCM
8.5	1	0-30	10YR 5/3	BR	SI LO	NCM
8.5	2	30-40	10YR 5/8	YL BR	SI CL LO	NCM
8.6	1	0-30	10YR 5/3	BR	SI LO	NCM
8.6	2	30-40	10YR 5/4	YL BR	SI LO	NCM
8.7	1	0-28	10YR 3/2	V DK GR BR	SI LO	NCM
8.7	2	28-40	10YR 5/6	YL BR	SI LO	NCM
8.8	1	0-23	10YR 5/3	BR	SI LO	NCM
8.8	2	23-35	10YR 5/4	YL BR	SI CL LO	NCM
9.1	1	0-32	10YR 4/2	DK GR BR	SI LO	NCM
9.1	2	32-42	10YR 5/4	YL BR	SI CL LO	NCM
9.2	1	0-19	10YR 4/2	DK GR BR	SI LO	NCM
9.2	2	19-29	10YR 5/4	YL BR	SI CL LO	NCM
9.3	1	0-16	10YR 4/2	DK GR BR	SI LO	NCM
9.3	2	16-26	10YR 5/4	YL BR	SI CL LO	NCM
9.4	1	0-12	10YR 4/2	DK GR BR	SI LO	NCM; root impasse at 12cm
9.5	1	0-26	10YR 4/3	BR	SI LO	NCM
9.5	2	26-36	10YR 5/4	YL BR	SI CL LO	NCM
9.6	1	0-21	10YR 4/3	BR	SI LO	NCM
9.6	2	21-31	10YR 5/4	YL BR	SI CL LO	NCM
9.7	1	0-18	10YR 4/3	BR	SI LO	NCM
9.7	2	18-28	10YR 5/6	YL BR	SI CL LO	NCM
10.1	1	0-24	7.5YR 5/2	BR	SA LO	NCM
10.1	2	24-34	7.5YR 6/4	LT BR	SA LO	NCM
10.2	1	0-25	7.5YR 5/2	BR	SA CL LO	NCM
10.2	2	25-35	7.5YR 6/4	LT BR	SA CL LO	NCM
10.3	1	0-25	7.5YR 5/2	BR	SA CL LO	NCM
10.3	2	25-35	7.5YR 6/4	LT BR	SA CL LO	NCM
10.4	1	0-20	7.5YR 5/2	BR	SA CL LO	NCM
10.4	2	20-30	7.5YR 6/4	LT BR	SA CL LO	NCM
10.5	1	0-24	10YR 4/4	DK YL BR	SA CL LO	NCM
10.5	2	24-34	10YR 4/6	DK YL BR	SA CL LO	NCM
10.6	1	0-20	10YR 4/4	DK YL BR	SA CL LO	NCM
10.6	2	20-30	10YR 4/6	DK YL BR	SA CL LO	NCM
10.7	1	0-22	10YR 4/4	DK YL BR	SA CL LO	NCM; root impasse at 22cm
11.1	1	0-17	7.5YR 3/3	DK BR	SA LO	NCM
11.1	2	17-30	7.5YR 5/4	BR	SA LO	NCM
11.2	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
11.2	2	27-38	10YR 5/6	YL BR	SI LO	NCM

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
11.3	1	0-23	7.5YR 3/3	DK BR	SA LO	NCM
11.3	2	23-33	7.5YR 5/4	BR	SA LO	NCM
11.4	1	0-20	7.5YR 3/3	DK BR	SA LO	NCM
11.4	2	20-31	7.5YR 5/4	BR	SA CL LO	NCM
11.5	1	0-19	7.5YR 3/3	DK BR	SA LO	NCM
11.5	2	19-30	7.5YR 5/4	BR	SA CL LO	NCM
11.6	1	0-22	7.5YR 3/3	DK BR	SA LO	NCM
11.6	2	22-33	7.5YR 5/4	BR	SA CL LO	NCM
12.1	1	0-29	10YR 3/2	V DK GR BR	SI LO	NCM
12.1	2	29-40	7.5YR 5/4	BR	SI CL LO	NCM
12.2	1	0-20	10YR 3/2	V DK GR BR	SI LO	NCM
12.2	2	20-30	10YR 6/8	BR YL	SI CL LO	NCM
12.3	1	0-35	10YR 5/3	BR	SA LO	NCM
12.3	2	35-45	10YR 5/4	YL BR	SA CL LO	NCM
12.4	1	0-20	10YR 3/2	V DK GR BR	SA LO	NCM
12.4	2	20-30	10YR 5/4	YL BR	SA CL LO	NCM
12.5	1	0-32	10YR 3/2	V DK GR BR	SA LO	NCM
12.5	2	32-42	10YR 5/4	YL BR	SA CL LO	NCM
13.1	1	0-26	10YR 4/3	BR	SI LO	NCM
13.1	2	26-36	10YR 5/6	YL BR	SI CL LO	NCM
13.2	1	0-24	10YR 4/3	BR	SI LO	NCM
13.2	2	24-34	7.5YR 5/6	STRONG BR	SI CL LO	NCM
13.3	1	0-30	10YR 4/3	BR	SI LO	NCM
13.3	2	30-40	7.5YR 5/6	STRONG BR	SI CL LO	NCM
13.4	1	0-19	10YR 4/3	BR	SI LO	NCM
13.4	2	19-29	7.5YR 5/6	STRONG BR	SI CL LO	NCM
13.5	1	0-22	10YR 4/3	BR	SI LO	NCM
13.5	2	22-32	7.5YR 5/6	STRONG BR	SI CL LO	NCM
14.1	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
14.1	2	28-35	10YR 5/3 5Y 5/3 2.5Y 5/6	BR OLIVE LT OLIVE BR	CI LO CL CL	NCM; rock impasse at 35cm
14.2	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
14.2	2	25-35	7.5YR 4/2	BR	SI CL	NCM
14.3	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
14.3	2	25-35	7.5YR 4/2	BR	SI CL	NCM
14.4	1	0-10	10YR 4/2	DK GR BR	SI LO	NCM; gravel; rock impasse at 10cm
15.1	1	0-20	10YR 4/3	BR	SA CL LO	NCM
15.1	2	20-30	10YR 4/4 10YR 4/6	DK YL BR	SA CL LO	NCM
15.2	1	0-20	10YR 4/3	BR	SA CL LO	NCM
15.2	2	20-30	10YR 4/4 10YR 4/6	DK YL BR	SA CL LO	NCM
15.3	1	0-24	10YR 4/3	BR	SA LO	NCM
15.3	2	24-34	10YR 4/4	DK YL BR	SA LO	NCM
16.1	1	0-22	10YR 4/3	BR	SI LO	NCM
16.1	2	22-32	7.5YR 5/6	STRONG BR	SI CL LO	NCM
16.2	1	0-24	10YR 4/3	BR	SI LO	NCM
16.2	2	24-34	7.5YR 5/6	STRONG BR	SI CL LO	NCM
16.3	1	0-19	10YR 4/3	BR	SI LO	NCM
16.3	2	19-29	7.5YR 5/4	BR	SI LO	NCM
17.1	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
17.1	2	26-38	10YR 6/8	BR YL	SI LO	NCM
17.2	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
17.2	2	18-30	10YR 5/4	YL BR	SI LO	NCM
18.1	1	0-23	7.5YR 3/3	DK BR	SA LO	NCM
18.1	2	23-33	7.5YR 5/4	YL BR	SA LO	NCM
19.1	1	0-31	10YR 4/3	BR	SI LO	NCM
19.1	2	31-41	10YR 6/4	LT YL BR	SI LO	NCM
19.2	1	0-15	10YR 4/3	BR	SI LO	NCM
19.2	2	15-25	10YR 6/4	LT YL BR	SI LO	NCM
20.1	1	0-20	7.5YR 3/3	DK BR	SA LO	NCM; gravel impasse at 20cm
20.2	1	0-28	7.5YR 3/3	DK BR	SA LO	NCM
20.2	2	28-38	7.5YR 5/4	BR	SA LO	NCM
20.3	1	0-25	7.5YR 3/3	DK BR	SA LO	NCM
20.3	2	25-36	7.5YR 5/4	BR	SA LO	NCM
21.1	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
21.1	2	28-40	7.5YR 5/4	BR	SA LO	NCM
21.2	1	0-28	10YR 3/2	V DK GR BR	SA LO	NCM
21.2	2	28-39	10YR 5/4	YL BR	SA LO	NCM
21.3	1	0-22	10YR 3/2	V DK GR BR	SI LO	NCM
21.3	2	22-32	10YR 6/8	BR YL	SI CL LO	NCM
22.1	1	0-20	10YR 3/3	DK BR	SA LO	NCM
22.1	2	20-30	10YR 5/3	BR	SA LO	NCM
22.2	1	0-40	10YR 5/3	BR	SA LO	NCM
22.2	2	40-50	10YR 5/4	YL BR	SA LO	NCM
22.3	1	0-30	10YR 5/3	BR	SA LO	NCM
22.3	2	30-40	10YR 5/4	YL BR	SA LO	NCM
23.1	1	0-16	10YR 4/2	DK GR BR	SI LO	NCM
23.1	2	16-30	10YR 5/3	BR	CL LO	NCM
23.2	1	0-14	10YR 4/2	DK GR BR	SI LO	NCM
23.2	2	14-25	10YR 6/3 10YR 6/8	PALE BR BR YL	CL LO	NCM
23.3	1	0-20	10YR 4/2 10YR 5/3	DK GR BR BR	SI LO	NCM; disturbed; rock/gravel impasse at 20cm
23.4	1	0-8	10YR 4/2	DK GR BR	SI LO	NCM; disturbed; gravel/rock/asphalt impasse at 8cm
24.1	1	0-23	10YR 4/3	BR	SI CL LO	NCM
24.1	2	23-33	10YR 5/4	YL BR	SI CL LO	NCM
24.2	1	0-19	10YR 4/3	BR	SI CL LO	NCM
24.2	2	19-29	10YR 5/4	YL BR	SI CL LO	NCM
24.3	1	0-29	10YR 4/2	DK GR BR	SI LO	NCM
24.3	2	29-39	10YR 6/4	LT YL BR	SI CL LO	NCM
24.4	1	0-22	10YR 4/3	BR	SI LO	NCM; gravel
24.4	2	22-32	10YR 5/4	YL BR	SI LO	NCM
25.1	1	0-12	10YR 5/2	GR BR	SI LO	NCM
25.1	2	12-30	10YR 5/6	YL BR	CL LO	NCM
25.2	1	0-18	10YR 5/2	DK GR	SI LO	NCM
25.2	2	18-30	10YR 5/6	YL BR	CL LO	NCM
25.3	1	0-20	10YR 4/3	BR	SA LO	NCM; gravel impasse at 20cm
25.4	1	0-22	7.5YR 3/3	DK BR	SA LO	NCM
25.4	2	22-34	7.5YR 5/4	BR	SA	NCM
26.1	1	0-23	10YR 3/2	V DK GR BR	SI LO	NCM
26.1	2	23-35	7.5YR 5/4	BR	CL LO	NCM
26.2	1	0-18	10YR 3/2	V DK GR BR	SI LO	NCM
26.2	2	18-23	10YR 5/4	YL BR	SI LO	NCM; gravel; rock impasse at 23cm
26.3	1	0-20	10YR 3/2	V DK GR BR	SI LO	coal; slag
26.3	2	20-30	10YR 5/4	YL BR	SI LO	NCM; gravel

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
26.4	1	0-18	10YR 3/2	V DK GR BR	SA LO	NCM
26.4	2	18-30	10YR 5/4	YL BR	SA CL	NCM
27.1	1	0-25	7.5YR 4/2	BR	SA LO	NCM
27.1	2	25-35	7.5YR 4/6	STRONG BR	SI CL LO	NCM
27.2	1	0-20	7.5YR 4/2	BR	SA LO	NCM
27.2	2	20-30	7.5YR 4/6	STRONG BR	SI CL LO	NCM
27.3	1	0-30	10YR 4/3	BR	SA LO	NCM
27.3	2	30-40	10YR 4/4	DK YL BR	SA LO	NCM
27.4	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM; gravel; disturbed; rock/gravel impasse at 20cm
27.5	1	0-35	10YR 3/2	V DK GR BR	SI LO	NCM
27.5	2	35-45	10YR 5/3	BR	SI CL LO	NCM
27.6	1	0-31	10YR 3/2	V DK GR BR	SI LO	NCM
27.6	2	31-41	10YR 5/3	BR	SI CL LO	NCM
27.7	1	0-27	10YR 3/2	V DK GR BR	SI LO	NCM
27.7	2	27-37	10YR 5/3	BR	SI CL LO	NCM
28.1	1	0-18	10YR 3/2	V DK GR BR	SI CL LO	NCM
28.1	2	18-32	7.5YR 5/4	BR	CL LO	NCM
28.2	1	0-21	10YR 3/2	V DK GR BR	SI CL LO	NCM
28.2	2	21-32	7.5YR 5/4	BR	CL LO	NCM
28.3	1	0-30	5YR 5/2	RD GR	SI CL LO	NCM
28.3	2	30-40	7.5YR 5/4	BR	CL LO	NCM
28.4	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
28.4	2	22-33	10YR 6/8	BR YL	SI LO	NCM
28.5	1	0-17	7.5YR 3/3	DK BR	SA LO	NCM
28.5	2	17-30	7.5YR 5/4	BR	SA LO	NCM
28.6	1	0-23	7.5YR 3/3	DK BR	SA LO	NCM
28.6	2	23-34	7.5YR 5/4	BR	SA LO	NCM
28.7	1	0-21	7.5YR 3/3	DK BR	SA LO	NCM
28.7	2	21-33	7.5YR 5/4	BR	SA LO	NCM
28.8	1	0-17	7.5YR 3/3	DK BR	SA LO	NCM
28.8	2	17-30	7.5YR 5/4	BR	SA LO	NCM
29.1	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
29.1	2	23-35	10YR 5/3	BR	SI CL LO	NCM
29.2	1	0-16	10YR 4/1	DK GR	SI LO	NCM
29.2	2	16-28	10YR 5/3	BR	SI CL LO	NCM
29.3	1	0-20	10YR 4/1	DK GR	SI LO	NCM
29.3	2	20-30	10YR 5/3	BR	SI LO	NCM
29.4	1	0-24	10YR 4/3	BR	SI LO	NCM
29.4	2	24-34	10YR 6/4	LT YL BR	SI CL LO	NCM
29.5	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
29.5	2	26-36	10YR 5/4	YL BR	SI CL LO	NCM
29.6	1	0-21	10YR 4/3	BR	SI LO	NCM
29.6	2	21-31	10YR 5/6	YL BR	SI LO	NCM
29.7	1	0-25	10YR 4/3	BR	SI LO	NCM
29.7	2	25-35	7.5YR 6/6	RD YL	SI CL	NCM
29.8	1	0-14	10YR 4/3	BR	SI LO	NCM; root impasse at 14cm
30.1	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
30.1	2	18-30	10YR 5/3	BR	SI CL	NCM
30.2	1	0-18	10YR 5/2	GR BR	SI LO	NCM
30.2	2	18-28	7.5YR 6/4	LT BR	SI CL	NCM
30.3	1	0-21	10YR 5/2	GR BR	SI LO	NCM
30.3	2	21-31	7.5YR 6/4	LT BR	SI CL	NCM
30.4	1	0-23	10YR 5/2	GR BR	SI LO	NCM

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
30.4	2	23-35	7.5YR 6/4	LT BR	CL	NCM
30.5	1	0-26	10YR 5/2	GR BR	SI LO	NCM
30.5	2	26-36	7.5YR 6/4	LT BR	CL	NCM
30.6	1	0-26	10YR 5/2	GR BR	SI LO	NCM
30.6	2	26-37	7.5YR 6/4	LT BR	CL	NCM
30.7	1	0-24	10YR 5/2	GR BR	SI LO	NCM
30.7	2	24-36	7.5YR 6/4	LT BR	CL	NCM
30.8	1	0-27	10YR 5/3	BR	SA LO	NCM
30.8	2	27-40	10YR 5/6	YL BR	LO SA	NCM
31.1	1	0-27	10YR 4/3	BR	SI SA LO	NCM
31.1	2	27-37	10YR 5/6	YL BR	SI SA LO	NCM
31.2	1	0-23	10YR 4/3	BR	SI LO	NCM
31.2	2	23-33	10YR 5/6	YL BR	SI LO	NCM
31.3	1	0-24	10YR 3/3	DK BR	SI CL LO	NCM
31.3	2	24-34	10YR 5/4	YL BR	SI CL LO	NCM
31.4	1	0-33	10YR 4/3	BR	SI SA LO	NCM
31.4	2	33-43	10YR 5/6	YL BR	SI SA LO	NCM
31.5	1	0-26	10YR 4/3	BR	SI SA LO	NCM
31.5	2	26-36	10YR 5/6	YL BR	SI SA LO	NCM
31.6	1	0-23	10YR 3/3	DK BR	SI CL LO	NCM
31.6	2	23-33	10YR 5/4	YL BR	SI CL LO	NCM
31.7	1	0-27	10YR 4/2	DK GR BR	SI CL LO	NCM
31.7	2	27-37	7.5YR 5/6	STRONG BR	SI CL	NCM
31.8	1	0-35	10YR 4/3	BR	SI LO	NCM
31.8	2	35-45	10YR 6/4 10YR 6/6	LT YL BR BR YL	SI LO	NCM
32.1	1	0-26	10YR 4/2	DK GR BR	CL LO	NCM
32.1	2	26-36	7.5YR 5/4	BR	CL	NCM
32.2	1	0-18	10YR 4/1	DK GR	CL LO	NCM
32.2	2	18-28	7.5YR 5/4	BR	CL	NCM
32.3	1	0-16	10YR 4/1	DK GR	CL LO	NCM
32.3	2	16-38	7.5YR 5/4	BR	CL	NCM
32.4	1	0-12	10YR 4/2	DK GR BR	CL LO	NCM
32.4	2	12-25	7.5YR 5/4	BR	CL	NCM
32.5	1	0-14	10YR 4/2	DK GR BR	CL LO	NCM
32.5	2	14-25	7.5YR 5/6	STRONG BR	CL	NCM
32.6	1	0-13	10YR 4/2	DK GR BR	CL LO	NCM
32.6	2	13-25	7.5YR 5/4	BR	CL	NCM
32.7	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
32.7	2	22-32	7.5YR 5/4	BR	CL LO	NCM
32.8	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM
32.8	2	24-35	7.5YR 5/4	BR	CL LO	NCM
33.1	1	0-32	10YR 4/2	DK GR BR	SI LO	NCM
33.1	2	32-42	10YR 6/8	BR YL	SI LO	NCM
33.2	1	0-28	10YR 3/2	V DK GR BR	SI LO	NCM
33.2	2	28-40	5YR 5/4	RD BR	CL	NCM
33.3	1	0-23	10YR 3/2	V DK GR BR	SI LO	NCM
33.3	2	23-35	10YR 6/8	BR YL	CL	NCM
33.4	1	0-26	10YR 3/2	V DK GR BR	SI LO	NCM
33.4	2	26-36	10YR 6/8	BR YL	CL LO	NCM
33.5	1	0-27	10YR 3/2	V DK GR BR	SI LO	NCM
33.5	2	27-38	10YR 6/8	BR YL	CL LO	NCM
33.6	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
33.6	2	30-40	10YR 6/8 7.5YR 5/4	BR YL BR	CL LO	NCM
33.7	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
33.7	2	30-40	10YR 3/2 10YR 6/8	V DK GR BR BR YL	CL LO	NCM
33.8	1	0-28	10YR 3/2	V DK GR BR	SI CL LO	NCM
33.8	2	28-40	10YR 5/4	YL BR	CL LO	NCM
34.1	1	0-27	10YR 4/3	BR	SI LO	NCM
34.1	2	27-38	7.5YR 5/8	STRONG BR	SI LO	NCM
34.2	1	0-26	10YR 4/3	BR	SI LO	NCM
34.2	2	26-36	7.5YR 5/8	STRONG BR	SI LO	NCM
34.3	1	0-24	10YR 4/3	BR	SI LO	NCM
34.3	2	24-35	7.5YR 5/8	STRONG BR	SI LO	NCM
34.4	1	0-25	10YR 4/1	DK GR	SI LO	NCM
34.4	2	25-36	10YR 5/6	YL BR	CL LO	NCM
34.5	1	0-26	10YR 4/1	DK GR	SI LO	NCM
34.5	2	25-36	10YR 5/6	YL BR	CL LO	NCM
34.6	1	0-24	10YR 4/1	DK GR	SI LO	NCM
34.6	2	24-35	10YR 5/6	YL BR	CL LO	NCM
34.7	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
34.7	2	25-35	10YR 5/6 10YR 5/1	YL BR GR	CL	NCM
34.8	1	0-34	10YR 4/1	DK GR	SI LO	NCM
34.8	2	34-44	10YR 5/6	YL BR	CL LO	NCM
35.1	1	0-33	7.5YR 3/3	DK BR	SI LO	NCM
35.1	2	33-43	7.5YR 5/6	STRONG BR	SI LO	NCM
35.2	1	0-30	7.5YR 3/3	DK BR	SI LO	NCM
35.2	2	30-42	7.5YR 5/6	STRONG BR	SI LO	NCM
35.3	1	0-26	7.5YR 3/3	DK BR	SI LO	NCM
35.3	2	26-36	7.5YR 5/6	STRONG BR	SI LO	NCM
35.4	1	0-26	7.5YR 3/3	DK BR	SI LO	NCM
35.4	2	26-36	7.5YR 5/6	STRONG BR	SI LO	NCM
35.5	1	0-24	7.5YR 3/3	DK BR	SI LO	NCM
35.5	2	24-35	7.5YR 5/6	STRONG BR	SI LO	NCM
35.6	1	0-25	7.5YR 3/3	DK BR	SI LO	NCM
35.6	2	25-36	7.5YR 5/6	STRONG BR	SI LO	NCM
35.7	1	0-26	7.5YR 3/3	DK BR	SI LO	NCM
35.7	2	26-36	7.5YR 5/6	STRONG BR	SI LO	NCM
35.8	1	0-30	10YR 3/2	V DK GR BR	SA LO	NCM
35.8	2	30-40	10YR 6/4	LT YL BR	SA LO	NCM
36.1	1	0-31	10YR 4/2	DK GR BR	SI LO	NCM
36.1	2	31-41	10YR 5/6	YL BR	SI CL	NCM
36.2	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
36.2	2	25-35	10YR 5/6	YL BR	SI CL	NCM
36.3	1	0-20	10YR 3/3	DK BR	SI CL LO	NCM
36.3	2	20-30	10YR 5/6	YL BR	SI CL	NCM
36.4	1	0-23	10YR 4/3	BR	SI CL LO	NCM
36.4	2	23-33	10YR 5/6	YL BR	SI CL LO	NCM
36.5	1	0-28	10YR 4/3	BR	SI CL LO	NCM
36.5	2	28-38	7.5YR 5/6	STRONG BR	SI CL	NCM
36.6	1	0-24	10YR 4/3	BR	SI CL LO	NCM
36.6	2	24-34	7.5YR 5/6	STRONG BR	SI CL	NCM
36.7	1	0-27	10YR 3/3	DK BR	SI LO	NCM
36.7	2	27-37	10YR 6/6	BR YL	SI CL LO	NCM

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
36.8	1	0-32	10YR 3/3	DK BR	SI SA LO	NCM
36.8	2	32-42	10YR 6/4	LT YL BR	SI CL LO	NCM
37.1	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
37.1	2	33-43	7.5YR 5/4	BR	CL LO	NCM
37.2	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM
37.2	2	35-47	7.5YR 5/4	BR	CL LO	NCM
37.3	1	0-5	10YR 4/2	DK GR BR	CL LO	NCM
37.3	2	5-20	7.5YR 5/4	BR	CL	NCM
37.4	1	0-24	10YR 4/2	DK GR BR	CL LO	NCM
37.4	2	24-35	7.5YR 5/4	BR	CL	NCM
37.5	1	0-18	10YR 4/2	DK GR BR	CL LO	NCM
37.5	2	18-30	7.5YR 5/4	BR	CL	NCM
37.6	1	0-25	10YR 4/2	DK GR BR	CL LO	NCM
37.6	2	25-35	10YR 6/3 10YR 6/8	PALE BR BR YL	CL LO	NCM
37.7	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM
37.7	2	26-36	10YR 6/3 10YR 6/8	PALE BR BR YL	CL LO	NCM
37.8	1	0-28	10YR 4/2	DK GR BR	SA LO	NCM
37.8	2	28-38	10YR 6/3 10YR 6/8	PALE BR BR YL	CL LO	NCM
38.1	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
38.1	2	30-40	10YR 5/4	YL BR	SI CL LO	NCM
38.2	1	0-25	10YR 3/2	V DK GR BR	SI LO	NCM
38.2	2	25-35	7.5YR 5/4	BR	CL LO	NCM
38.3	1	0-26	10YR 4/2	DK GR BR	CL LO	1 flake
38.3	2	26-36	10YR 5/6	YL BR	CL	NCM
38.3+1E	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
38.3+1E	2	23-33	10YR 5/4	YL BR	CL	NCM
38.3+1N	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
38.3+1N	2	22-32	10YR 5/4	YL BR	CL LO	NCM
38.3+1S	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
38.3+1S	2	25-35	10YR 5/4	YL BR	CL	NCM
38.3+1W	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
38.3+1W	2	27-37	10YR 5/4	YL BR	CL LO	NCM
38.3+3E	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
38.3+3E	2	23-32	10YR 5/4	YL BR	CL	NCM
38.3+3N	1	0-30	10YR 4/2	DK GR BR	SI LO	NCM
38.3+3N	2	30-40	10YR 5/4	YL BR	CL	NCM
38.3+3S	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
38.3+3S	2	20-30	10YR 5/4	YL BR	CL	NCM
38.3+3W	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
38.3+3W	2	26-36	10YR 5/4	YL BR	CL	NCM
38.4	1	0-30	10YR 4/2	DK GR BR	SI LO	1 flake
38.4	2	30-40	10YR 5/6	YL BR	CL	NCM
38.4+1E	1	0-25	10YR 4/2	DK GR BR	CL LO	NCM
38.4+1E	2	25-35	7.5YR 5/2	BR	LO	NCM
38.4+1N	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
38.4+1N	2	23-33	10YR 5/4	YL BR	CL	NCM
38.4+1S	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
38.4+1S	2	28-38	7.5YR 5/6	STRONG BR	CL	NCM
38.4+1W	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
38.4+1W	2	25-35	10YR 5/4	YL BR	CL	NCM
38.4+3E	1	0-21	10YR 4/2	DK GR BR	SI LO	NCM

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
38.4+3E	2	21-31	7.5YR 5/2	BR	CL	NCM
38.4+3N	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
38.4+3N	2	25-35	10YR 6/3	PALE BR	SI LO	NCM
38.4+3S	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
38.4+3S	2	28-38	7.5YR 5/6	STRONG BR	SI LO	NCM
38.4+3W	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM
38.4+3W	2	27-37	10YR 5/6	YL BR	SA CL LO	NCM
38.5	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
38.5	2	30-40	7.5YR 5/2	BR	CL	NCM
38.6	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
38.6	2	30-40	7.5YR 5/2	BR	CL	NCM
38.7	1	0-28	10YR 3/2	V DK GR BR	SI LO	NCM
38.7	2	28-40	10YR 5/4	YL BR	SI CL LO	NCM
38.8	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
38.8	2	30-40	10YR 5/4	YL BR	SI CL LO	NCM
39.1	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
39.1	2	28-40	7.5YR 5/2	BR	CL	NCM
39.2	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
39.2	2	28-40	7.5YR 5/2	BR	CL	NCM
39.3	1	0-28	10YR 4/1	DK GR	SI CL LO	NCM
39.3	2	28-40	2.5YR 5/3	RD BR	CL	NCM
39.4	1	0-30	10YR 4/2	DK GR BR	SI LO	NCM
39.4	2	30-40	10YR 6/3 10YR 6/8	PALE BR BR YL	SI CL	NCM
39.5	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
39.5	2	28-40	10YR 6/3 10YR 6/8	PALE BR BR YL	SI CL	NCM
39.6	1	0-28	10YR 4/1	DK GR	SI LO	NCM
39.6	2	28-38	7.5YR 4/6	STRONG BR	SI CL	NCM
39.7	1	0-34	10YR 2/2	V DK BR	SI LO	NCM; water seepage at 30cm
39.7	2	34-44	10YR 5/1 10YR 5/8	GR YL BR	SI CL	NCM
40.1	1	0-28	7.5YR 3/3	DK BR	SI LO	NCM
40.1	2	28-38	7.5YR 5/6	STRONG BR	SI LO	NCM
40.2	1	0-33	7.5YR 3/3	DK BR	SI LO	NCM
40.2	2	33-43	7.5YR 5/6	STRONG BR	SI LO	NCM
40.3	1	0-27	7.5YR 3/3	DK BR	SI LO	NCM
40.3	2	27-39	7.5YR 5/6	STRONG BR	SI LO	NCM
40.4	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
40.4	2	26-38	10YR 6/6	BR YL	SA LO	NCM
40.5	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
40.5	2	27-37	10YR 5/6	YL BR	SI LO	NCM
41.1	1	0-25	10YR 4/3	BR	SI CL LO	NCM
41.1	2	25-35	7.5YR 5/6	STRONG BR	SI CL	NCM
41.2	1	0-24	10YR 4/2	DK GR BR	SI CL LO	NCM
41.2	2	24-34	10YR 5/6	YL BR	SA SI	NCM
41.3	1	0-26	10YR 4/3	BR	SI CL LO	NCM
41.3	2	26-36	7.5YR 5/6	STRONG BR	SI CL	NCM
41.4	1	0-29	10YR 4/2	DK GR BR	SI CL LO	NCM
41.4	2	29-39	10YR 5/4	YL BR	SI CL LO	NCM
42.1	1	0-24	10YR 4/2	DK GR BR	SA LO	NCM
42.1	2	24-35	10YR 6/3 10YR 6/8	PALE BR BR YL	SA LO	NCM
42.2	1	0-18	10YR 3/3	DK BR	CL LO	NCM

Shovel Test Log for Project Site 2 Calkins Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
42.2	2	18-30	7.5YR 5/4	BR	CL	NCM
42.3	1	0-26	10YR 3/3	DK BR	SI LO	NCM
42.3	2	26-36	7.5YR 5/4	BR	CL LO	NCM
43.1	1	0-30	10YR 3/2	V DK GR BR	SI LO	NCM
43.1	2	30-40	10YR 5/4 10YR 3/2	YL BR V DK GR BR	SI CL	NCM
43.2	1	0-37	10YR 4/3	BR	SI LO	NCM
43.2	2	37-47	7.5YR 5/2	BR	CL	NCM
44.1	1	0-23	10YR 4/2	DK GR BR	SA SI	NCM
44.1	2	23-33	10YR 6/4	LT YL BR	SA SI	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
1.1	1	0-15	10YR 5/3	BR	SA LO	NCM; rock impasse at 15cm
1.2	1	0-30	10YR 4/3	BR	SI LO	NCM
1.2	2	30-49	10YR 3/1	V DK GR	SI LO	NCM
1.3	1	0-60	10YR 4/3	BR	SI LO	NCM
1.4	1	0-13	10YR 4/2	DK GR BR	SA LO	NCM
1.4	2	13-30	10YR 5/4	YL BR	SA LO	NCM
1.5	1	0-12	10YR 4/2	DK GR BR	SA LO	NCM
1.5	2	12-31	10YR 5/4	YL BR	SA LO	NCM
1.6	1	0-11	10YR 4/2	DK GR BR	SA LO	NCM
1.6	2	11-29	10YR 5/4	YL BR	SA LO	NCM
1.7	1	0-18	10YR 5/2	GR BR	SA LO	NCM
1.7	2	18-30	10YR 5/6	YL BR	SA LO	NCM
1.8	1	0-17	10YR 5/2	GR BR	SA LO	NCM
1.8	2	17-29	10YR 5/6	YL BR	SA LO	NCM
1.9	1	0-16	10YR 5/2	GR BR	SA LO	NCM
1.9	2	16-31	10YR 5/6	YL BR	SA LO	NCM
1.10	1	0-23	10YR 5/2	GR BR	SA LO	NCM
1.10	2	23-33	10YR 5/6	YL BR	SA LO	NCM
1.11	1	0-17	10YR 5/2	GR BR	SA LO	NCM
1.11	2	17-30	10YR 5/6	YL BR	SA LO	NCM
1.12	1	0-18	10YR 5/2	GR BR	SA LO	NCM
1.12	2	18-31	10YR 5/6	YL BR	SA LO	NCM
1.13	1	0-15	10YR 4/2	DK GR BR	SA LO	NCM
1.13	2	15-30	10YR 5/4	YL BR	SA LO	NCM
1.14	1	0-14	10YR 4/2	DK GR BR	SA LO	NCM
1.14	2	14-31	10YR 5/4	YL BR	SA LO	NCM
1.15	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM
1.15	2	18-32	10YR 5/4	YL BR	SA LO	NCM
1.16	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM
1.16	2	18-30	10YR 5/6	YL BR	SA LO	NCM
1.17	1	0-20	10YR 4/2	DK GR BR	SA LO	NCM
1.17	2	20-31	10YR 5/6	YL BR	SA LO	NCM
1.18	1	0-16	10YR 4/2	DK GR BR	SA LO	NCM
1.18	2	16-30	10YR 5/6	YL BR	SA LO	NCM
1.19	1	0-15	10YR 4/2	DK GR BR	SA LO	NCM
1.19	2	15-29	10YR 5/4	YL BR	SA LO	NCM
1.20	1	0-16	10YR 4/2	DK GR BR	SA LO	NCM
1.20	2	16-30	10YR 5/4	YL BR	SA LO	NCM
1.21	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM
1.21	2	18-31	10YR 5/4	YL BR	SA LO	NCM
1.22	1	0-15	10YR 4/2	DK GR BR	SA LO	NCM
1.22	2	15-29	10YR 5/6	YL BR	SA LO	NCM
1.23	1	0-16	10YR 4/2	DK GR BR	SA LO	NCM
1.23	2	16-30	10YR 5/6	YL BR	SA LO	NCM
1.24	1	0-10	10YR 5/2	GR BR	SI LO	NCM
1.24	2	10-25	10YR 5/4	YL BR	SA LO	NCM
2.1	1	0-20	10YR 3/2	V DK GR BR	SI LO	NCM; gravel/rock impasse at 20cm
2.2	1	0-10	10YR 3/2	V DK GR BR	SI LO	NCM
2.2	2	10-20	10YR 5/4	YL BR	SI LO	NCM; gravel; gravel/rock impasse at 20cm
Key	Soil Color: BL = black, BR = brown, DK = dark, GR = gray, LT = light, V = very, YL = yellow					
	Soil Description: CL = clay, LO = loam, SA = sand, SI = silt					
	Comments: NCM = no cultural material					

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
2.3	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
2.3	2	20-31	10YR 5/4	YL BR	SI LO	NCM
2.4	1	0-23	10YR 3/2	V DK GR BR	SI LO	NCM
2.4	2	23-35	10YR 5/4	YL BR	SI LO	NCM
2.5	1	0-34	10YR 3/2	V DK GR BR	SI LO	NCM
2.5	2	34-44	10YR 5/4	YL BR	SI LO	NCM
2.6	1	0-28	10YR 3/2	V DK GR BR	SI LO	NCM
2.6	2	28-40	10YR 5/4	YL BR	SI LO	NCM
2.7	1	0-30	10YR 4/2	DK GR BR	SI LO	NCM
2.7	2	30-40	10YR 5/4	YL BR	SI LO	NCM
2.8	1	0-30	10YR 4/2	DK GR BR	SI LO	NCM
2.8	2	30-40	10YR 5/4	YL BR	SI LO	NCM
2.9	1	0-27	10YR 3/2	V DK GR BR	SI LO	NCM
2.9	2	27-37	10YR 5/6	YL BR	CL	NCM
2.10	1	0-12	10YR 4/2	DK GR BR	SI LO	NCM
2.10	2	12-25	10YR 5/6	YL BR	CL	NCM
2.11	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
2.11	2	18-30	10YR 5/6	YL BR	CL	NCM
2.12	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
2.12	2	25-35	10YR 5/6	YL BR	CL	NCM
2.13	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
2.13	2	28-39	10YR 5/6	YL BR	CL	NCM
2.14	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
2.14	2	27-38	10YR 5/6	YL BR	CL	NCM
2.15	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
2.15	2	28-40	10YR 5/4	YL BR	CL LO	NCM
2.16	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
2.16	2	25-35	10YR 5/4	YL BR	SI CL	NCM
2.17	1	0-30	10YR 4/2	DK GR BR	SI LO	NCM
2.17	2	30-40	10YR 5/6	YL BR	CL	NCM
2.18	1	0-33	10YR 4/2	DK GR BR	SI LO	NCM
2.18	2	33-43	10YR 5/6	YL BR	CL	NCM
2.19	1	0-30	10YR 4/2	DK GR BR	SI LO	NCM
2.19	2	30-40	10YR 5/4	YL BR	SI CL LO	NCM
2.20	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
2.20	2	23-33	10YR 5/4	YL BR	SI CL LO	NCM
2.21	1	0-28	10YR 4/2	DK GR BR	SI LO	NCM
2.21	2	28-40	10YR 5/4	YL BR	SI CL LO	NCM
2.22	1	0-31	10YR 4/2	DK GR BR	SI LO	NCM
2.22	2	31-41	10YR 5/4	YL BR	SI LO	NCM
2.23	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
2.23	2	24-34	10YR 5/6	YL BR	CL	NCM
2.24	1	0-24	10YR 4/2	DK GR BR	SI LO	
2.24	2	24-36	10YR 5/6	YL BR	CL	NCM
3.1	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
3.1	2	26-36	10YR 5/3	BR	SA LO	NCM; gravel
3.2	1	0-29	10YR 4/2	DK GR BR	SI SA LO	NCM
3.2	2	29-41	10YR 5/3	BR	SA LO	NCM
3.3	1	0-31	10YR 4/2	DK GR BR	SI SA LO	NCM
3.3	2	31-41	10YR 5/3	BR	SA LO	NCM
3.4	1	0-25	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel; rocks
3.4	2	25-37	10YR 5/3	BR	SA LO	NCM; gravel; rocks
3.5	1	0-28	10YR 4/2	DK GR BR	SI SA LO	NCM
3.5	2	28-35	10YR 5/3	BR	SA LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
3.6	1	0-25	10YR 4/2	DK GR BR	SI SA LO	NCM
3.6	2	25-35	10YR 5/3	BR	SA LO	NCM
3.7	1	0-21	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel; rocks
3.7	2	21-33	10YR 5/4	YL BR	SA LO	NCM; gravel; rocks
3.8	1	0-28	10YR 4/2	DK GR BR	SI SA LO	NCM
3.8	2	28-40	10YR 5/4	YL BR	SA LO	NCM
3.9	1	0-30	10YR 4/2	DK GR BR	SI SA LO	NCM
3.9	2	30-40	10YR 5/4	YL BR	SA LO	NCM
3.10	1	0-25	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel; rocks
3.10	2	25-35	10YR 5/3	BR	SA LO	NCM; gravel; rocks
3.11	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM
3.11	2	26-38	10YR 5/3	BR	SA LO	NCM
3.12	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM
3.12	2	24-35	10YR 5/3	BR	SA LO	NCM
3.13	1	0-15	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
3.13	2	15-25	10YR 6/4	LT YL BR	SI SA LO	NCM; gravel
3.14	1	0-18	10YR 4/2	DK GR BR	SI SA LO	NCM
3.14	2	18-28	10YR 5/3	BR	SI SA LO	NCM
3.15	1	0-17	10YR 4/2	DK GR BR	SI SA LO	NCM
3.15	2	17-28	10YR 5/3	BR	SI SA LO	NCM
3.16	1	0-22	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
3.16	2	22-32	10YR 5/3	BR	SI SA LO	NCM; gravel
3.17	1	0-13	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
3.17	2	13-25	10YR 5/3	BR	SI SA LO	NCM; gravel
3.18	1	0-18	10YR 4/2	DK GR BR	SI SA LO	NCM
3.18	2	18-28	10YR 5/3	BR	SI SA LO	NCM
3.19	1	0-15	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
3.19	2	15-26	10YR 5/3	BR	SI SA LO	NCM; gravel
3.20	1	0-20	10YR 4/2	DK GR BR	SI SA LO	NCM
3.20	2	20-30	10YR 5/3	BR	SI SA LO	NCM
3.21	1	0-15	10YR 4/2	DK GR BR	SI SA LO	NCM
3.21	2	15-25	10YR 5/3	BR	SI SA LO	NCM
3.22	1	0-14	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
3.22	2	14-25	10YR 5/3	BR	SI SA LO	NCM; gravel
3.23	1	0-12	10YR 4/2	DK GR BR	SI SA LO	NCM
3.23	2	12-22	10YR 5/3	BR	SI SA LO	NCM
3.24	1	0-10	10YR 4/2	DK GR BR	SI SA LO	NCM
3.24	2	10-20	10YR 5/3	BR	SI SA LO	NCM
4.1	1	0-22	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel; stone impasse at 22cm
4.2	1	0-29	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
4.2	2	29-39	10YR 5/4	YL BR	SA LO	NCM
4.3	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM
4.3	2	27-37	10YR 5/4	YL BR	SA LO	NCM
4.4	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
4.4	2	26-36	10YR 5/4	YL BR	SA LO	NCM
4.5	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
4.5	2	24-34	10YR 5/4	YL BR	SA LO	NCM
4.6	1	0-29	10YR 4/2	DK GR BR	SI SA LO	NCM
4.6	2	29-39	10YR 5/4	YL BR	SA LO	NCM
4.7	1	0-31	10YR 4/2	DK GR BR	SI SA LO	NCM
4.7	2	31-41	10YR 5/4	YL BR	SA LO	NCM
4.8	1	0-28	10YR 4/2	DK GR BR	SI SA LO	NCM
4.8	2	28-38	10YR 5/4	YL BR	SA LO	NCM
4.9	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
4.9	2	26-26	10YR 5/4	YL BR	SA LO	NCM
4.10	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM
4.10	2	27-37	10YR 5/4	YL BR	SA LO	NCM
4.11	1	0-25	10YR 4/2	DK GR BR	SI SA LO	NCM
4.11	2	25-35	10YR 5/4	YL BR	SA LO	NCM
4.12	1	0-33	10YR 4/2	DK GR BR	SI SA LO	NCM
4.12	2	33-43	10YR 5/4	YL BR	SA LO	NCM
4.13	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM
4.13	2	27-37	10YR 5/4	YL BR	SA LO	NCM
4.14	1	0-28	10YR 4/2	DK GR BR	SI SA LO	NCM
4.14	2	28-38	10YR 5/4	YL BR	SA LO	NCM
4.15	1	0-23	10YR 4/2	DK GR BR	SI SA LO	NCM
4.15	2	23-33	10YR 5/4	YL BR	SA LO	NCM
4.16	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM
4.16	2	24-34	10YR 5/4	YL BR	SA LO	NCM
4.17	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM
4.17	2	24-34	10YR 5/4	YL BR	SA LO	NCM
4.18	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM
4.18	2	27-37	10YR 5/4	YL BR	SA LO	NCM
4.19	1	0-21	10YR 4/2	DK GR BR	SI SA LO	NCM
4.19	2	21-31	10YR 5/4	YL BR	SA LO	NCM
4.20	1	0-23	10YR 4/2	DK GR BR	SI SA LO	NCM
4.20	2	23-33	10YR 5/4	YL BR	SA LO	NCM
4.21	1	0-23	10YR 4/2	DK GR BR	SI SA LO	NCM
4.21	2	23-33	10YR 5/4	YL BR	SA LO	NCM
4.22	1	0-22	10YR 4/2	DK GR BR	SI SA LO	NCM
4.22	2	22-32	10YR 5/4	YL BR	SA LO	NCM
4.23	1	0-23	10YR 4/2	DK GR BR	SI SA LO	NCM
4.23	2	23-33	10YR 5/4	YL BR	SA LO	NCM
4.24	1	0-18	10YR 4/2	DK GR BR	SI SA LO	NCM
4.24	2	18-28	10YR 5/4	YL BR	SA LO	NCM
5.1	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM; gravel
5.1	2	20-30	10YR 5/3	BR	SI LO	NCM; gravel
5.2	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
5.2	2	23-33	10YR 5/3	BR	SI LO	NCM
5.3	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
5.3	2	26-36	10YR 5/3	BR	SI LO	NCM
5.4	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
5.4	2	24-34	10YR 5/3	BR	SI LO	NCM
5.5	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
5.5	2	26-36	10YR 5/3	BR	SI LO	NCM
5.6	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
5.6	2	26-36	10YR 5/3	BR	SI LO	NCM
5.7	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
5.7	2	27-37	10YR 5/3	BR	SI LO	NCM
5.8	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
5.8	2	24-35	10YR 5/3	BR	SI LO	NCM
5.9	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
5.9	2	24-34	10YR 5/3	BR	SI LO	NCM
5.10	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
5.10	2	22-34	10YR 5/3	BR	SI LO	NCM
5.11	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
5.11	2	25-35	10YR 5/3	BR	SI LO	NCM
5.12	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
5.12	2	26-36	10YR 5/3	BR	SI LO	NCM
5.13	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
5.13	2	26-37	10YR 5/3	BR	SI LO	NCM
5.14	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
5.14	2	26-36	10YR 5/3	BR	SI LO	NCM
5.15	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
5.15	2	24-36	10YR 5/3	BR	SI LO	NCM
5.16	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
5.16	2	27-37	10YR 5/3	BR	SI LO	NCM
5.17	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
5.17	2	18-30	10YR 5/3	BR	SI LO	NCM
5.18	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
5.18	2	18-30	10YR 5/3	BR	SI LO	NCM
5.19	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
5.19	2	18-30	10YR 5/3	BR	SI LO	NCM
5.20	1	0-15	10YR 4/2	DK GR BR	SI LO	NCM
5.20	2	15-25	10YR 5/4	YL BR	SA SI LO	NCM
5.21	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
5.21	2	20-30	10YR 5/4	YL BR	SA SI LO	NCM
5.22	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
5.22	2	18-30	10YR 5/3	BR	SA SI LO	NCM
5.23	1	0-15	10YR 4/2	DK GR BR	SI LO	NCM; rock impasse at 15cm
5.24	1	0-12	10YR 4/2	DK GR BR	SI LO	NCM; gravel; rock impasse at 12cm
6.1	1	0-15	10YR 6/2	LT BR GR	SI CL	NCM
6.1	2	15-30	10YR 5/6	YL BR	SI SA LO	NCM
6.2	1	0-20	10YR 6/2	LT BR GR	SI CL	NCM
6.2	2	20-30	10YR 5/6	YL BR	SI SA CL	NCM
6.3	1	0-10	10YR 6/2	LT BR GR	SI CL	NCM; rock impasse at 10cm
6.4	1	0-12	10YR 6/2	LT BR GR	SI CL	NCM
6.4	2	12-24	10YR 5/6	YL BR	SI CL	NCM
6.5	1	0-15	10YR 6/2	LT BR GR	SI CL	NCM
6.5	2	15-30	10YR 5/6	YL BR	SI CL	NCM
6.6	1	0-20	10YR 6/2	LT BR GR	SI CL	NCM
6.6	2	20-30	10YR 5/6	YL BR	SI CL LO	NCM
6.7	1	0-15	10YR 6/2	LT BR GR	SI CL	NCM
6.7	2	15-30	10YR 5/6	YL BR	SI CL LO	NCM
6.8	1	0-20	10YR 6/2	LT BR GR	SI CL	NCM
6.8	2	20-30	10YR 5/6	YL BR	SI CL LO	NCM
6.9	1	0-17	10YR 6/2	LT BR GR	SI LO	NCM
6.9	2	17-27	10YR 5/6	YL BR	SI CL LO	NCM
6.10	1	0-15	10YR 6/2	LT BR GR	SI LO	NCM
6.10	2	15-25	10YR 5/6	YL BR	SI CL LO	NCM
6.11	1	0-15	10YR 6/2	LT BR GR	SI LO	NCM
6.11	2	15-30	10YR 5/6	YL BR	SI CL LO	NCM
6.12	1	0-12	10YR 6/2	LT BR GR	SI LO	NCM
6.12	2	12-24	10YR 5/6	YL BR	SI CL LO	NCM
6.13	1	0-20	10YR 6/2	LT BR GR	SI LO	NCM
6.13	2	20-30	10YR 5/6	YL BR	SI CL LO	NCM
6.14	1	0-18	10YR 4/3	BR	SI LO	NCM
6.14	2	18-28	10YR 5/6	YL BR	SI CL LO	NCM
6.15	1	0-15	10YR 4/3	BR	SI LO	NCM
6.15	2	15-30	10YR 5/6	YL BR	SI CL LO	NCM
6.16	1	0-19	10YR 6/2	LT BR GR	SI LO	NCM
6.16	2	19-30	10YR 5/6	YL BR	SI CL LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
6.17	1	0-20	10YR 6/2	LT BR GR	SI LO	NCM
6.17	2	20-30	10YR 5/6	YL BR	SI CL LO	NCM
6.18	1	0-20	10YR 6/2	LT BR GR	SI LO	NCM
6.18	2	20-30	10YR 5/6	YL BR	SI CL LO	NCM
6.19	1	0-23	10YR 6/2	LT BR GR	SI LO	NCM
6.19	2	23-33	10YR 5/6	YL BR	SI CL LO	NCM
6.20	1	0-18	10YR 6/2	LT BR GR	SI LO	NCM
6.20	2	18-28	10YR 5/6	YL BR	SI CL LO	NCM
6.21	1	0-12	10YR 6/2	LT BR GR	SI LO	NCM
6.21	2	12-24	10YR 5/6	YL BR	SI CL LO	NCM
6.22	1	0-21	10YR 6/2	LT BR GR	SI LO	NCM
6.22	2	21-31	10YR 5/6	YL BR	SI CL LO	NCM
6.23	1	0-22	10YR 6/2	LT BR GR	SI LO	NCM
6.23	2	22-32	10YR 5/6	YL BR	SI CL LO	NCM
6.24	1	0-12	10YR 6/2	LT BR GR	SI LO	NCM
6.24	2	12-24	10YR 5/6	YL BR	SI CL LO	NCM
7.1	1	0-11	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel impasse at 11cm
7.2	1	0-13	10YR 4/2	DK GR BR	SI SA LO	NCM
7.2	2	13-23	10YR 5/3	BR	SI SA LO	NCM
7.3	1	0-15	10YR 4/2	DK GR BR	SI SA LO	NCM
7.3	2	15-26	10YR 5/3	BR	SI SA LO	NCM
7.4	1	0-13	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.4	2	13-25	10YR 5/3	BR	SI SA LO	NCM; gravel
7.5	1	0-16	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.5	2	16-26	10YR 5/3	BR	SI SA LO	NCM; gravel
7.6	1	0-18	10YR 4/2	DK GR BR	SI SA LO	NCM
7.6	2	18-29	10YR 5/3	BR	SI SA LO	NCM
7.7	1	0-14	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.7	2	14-26	10YR 5/3	BR	SI SA LO	NCM; gravel
7.8	1	0-18	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.8	2	18-28	10YR 5/3	BR	SI SA LO	NCM; gravel
7.9	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM
7.9	2	26-38	10YR 5/3	BR	SI SA LO	NCM
7.10	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.10	2	27-37	10YR 5/3	BR	SI SA LO	NCM; gravel
7.11	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.11	2	24-35	10YR 5/3	BR	SI SA LO	NCM; gravel
7.12	1	0-19	10YR 4/2	DK GR BR	SI SA LO	NCM
7.12	2	19-30	10YR 5/3	BR	SI SA LO	NCM
7.13	1	0-23	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.13	2	23-33	10YR 5/3	BR	SI SA LO	NCM; gravel
7.14	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.14	2	26-36	10YR 5/3	BR	SI SA LO	NCM; gravel
7.15	1	0-15	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.15	2	15-25	10YR 5/3	BR	SI SA LO	NCM; gravel
7.16	1	0-18	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.16	2	18-28	10YR 5/3	BR	SI SA LO	NCM; gravel
7.17	1	0-10	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.17	2	10-22	10YR 5/3	BR	SI SA LO	NCM; gravel
7.18	1	0-13	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.18	2	13-25	10YR 5/3	BR	SI SA LO	NCM; gravel
7.19	1	0-11	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel
7.19	2	11-22	10YR 5/3	BR	SI SA LO	NCM; gravel
7.20	1	0-14	10YR 4/2	DK GR BR	SI SA LO	NCM; gravel

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
7.20	2	14-24	10YR 5/3	BR	SI SA LO	NCM; gravel
7.21	1	0-18	10YR 4/2	DK GR BR	SI SA LO	NCM
7.21	2	18-30	10YR 5/3	BR	SI SA LO	NCM
7.22	1	0-55	10YR 3/2	V DK GR BR	SA LO	buried tarp
7.22	2	55-64	10YR 5/3	BR	SI SA LO	NCM
7.23	1	0-33	10YR 4/2	DK GR BR	SA LO	NCM
7.23	2	33-45	10YR 5/3	BR	SI SA LO	NCM
7.24	1	0-19	10YR 6/3	PALE BR	SA LO	NCM; rock impasse at 19cm
8.1	1	0-16	10YR 5/3	BR	SA LO	NCM; gravel impasse at 16cm
8.2	1	0-18	10YR 4/3	BR	SA LO	NCM
8.2	2	18-30	10YR 5/4	YL BR	SA LO	NCM
8.3	1	0-15	10YR 4/3	BR	SA LO	NCM
8.3	2	15-28	10YR 5/4	YL BR	SA LO	NCM
8.4	1	0-19	10YR 4/2	DK GR BR	SI LO	NCM
8.4	2	19-30	10YR 5/6	YL BR	SA LO	NCM
8.5	1	0-17	10YR 4/2	DK GR BR	SI LO	NCM
8.5	2	17-29	10YR 5/6	YL BR	SA LO	NCM
8.6	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
8.6	2	20-31	10YR 5/6	YL BR	SA LO	NCM
8.7	1	0-17	10YR 4/2	DK GR BR	SA LO	NCM
8.7	2	17-30	10YR 5/4	YL BR	SA LO	NCM
8.8	1	0-22	10YR 4/2	DK GR BR	SA LO	NCM
8.8	2	22-32	10YR 5/4	YL BR	SA LO	NCM
8.9	1	0-20	10YR 4/2	DK GR BR	SA LO	NCM
8.9	2	20-31	10YR 5/4	YL BR	SA LO	NCM
8.10	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM
8.10	2	18-31	10YR 5/4	YL BR	SA LO	NCM
8.11	1	0-17	10YR 4/2	DK GR BR	SA LO	NCM
8.11	2	17-28	10YR 5/4	YL BR	SA LO	NCM
8.12	1	0-19	10YR 4/2	DK GR BR	SA LO	NCM
8.12	2	19-30	10YR 5/4	YL BR	SA LO	NCM
8.13	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM
8.13	2	18-29	10YR 5/4	YL BR	SA LO	NCM
8.14	1	0-25	10YR 4/2	DK GR BR	SA LO	NCM
8.14	2	25-35	10YR 5/4	YL BR	SA LO	NCM
8.15	1	0-16	10YR 4/2	DK GR BR	SA LO	NCM
8.15	2	16-30	10YR 5/4	YL BR	SA LO	NCM
8.16	1	0-23	10YR 4/3	BR	SI LO	NCM
8.16	2	23-34	10YR 5/4	YL BR	SA LO	NCM
8.17	1	0-20	10YR 4/3	BR	SI LO	NCM
8.17	2	20-30	10YR 5/4	YL BR	SA LO	NCM
8.18	1	0-18	10YR 4/3	BR	SI LO	NCM
8.18	2	18-29	10YR 5/4	YL BR	SA LO	NCM
8.19	1	0-17	10YR 4/2	DK GR BR	SI LO	NCM
8.19	2	17-30	10YR 5/6	YL BR	SA LO	NCM
8.20	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
8.20	2	22-32	10YR 5/6	YL BR	SA LO	NCM
8.21	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
8.21	2	18-29	10YR 5/6	YL BR	SA LO	NCM
8.22	1	0-28	10YR 3/2	V DK GR BR	SI LO	NCM
8.22	2	28-38	10YR 5/4	YL BR	SA LO	NCM
9.1	1	0-12	10YR 4/2	DK GR BR	SI LO	NCM; rock impasse at 12cm
9.2	1	0-20	10YR 6/3	PALE BR	SI LO	NCM
9.2	2	20-30	10YR 5/6	YL BR	SI CL LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
9.3	1	0-18	10YR 6/3	PALE BR	SI LO	NCM
9.3	2	18-28	10YR 5/6	YL BR	SI CL LO	NCM
9.4	1	0-15	10YR 6/3	PALE BR	SI LO	NCM
9.4	2	15-25	10YR 5/4	YL BR	SI CL LO	NCM
9.5	1	0-18	10YR 6/3	PALE BR	SI LO	NCM
9.5	2	18-28	10YR 5/4	YL BR	SI CL LO	NCM
9.6	1	0-19	10YR 6/3	PALE BR	SI LO	NCM
9.6	2	19-29	10YR 5/4	YL BR	SI CL LO	NCM
9.7	1	0-20	10YR 6/3	PALE BR	SI LO	NCM
9.7	2	20-30	10YR 5/4	YL BR	SI CL LO	NCM
9.8	1	0-19	10YR 6/3	PALE BR	SI LO	NCM
9.8	2	19-29	10YR 5/4	YL BR	SI CL LO	NCM
9.9	1	0-20	10YR 6/3	PALE BR	SI LO	NCM
9.9	2	20-30	10YR 5/4	YL BR	SI CL LO	NCM
9.18	1	0-21	10YR 4/2	DK GR BR	SI LO	NCM
9.18	2	21-31	10YR 6/6	BR YL	SI CL LO	NCM
9.19	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
9.19	2	20-30	10YR 6/6	BR YL	SI CL LO	NCM
10.1	1	0-21	10YR 4/2	DK GR BR	SI SA LO	NCM
10.1	2	21-31	10YR 5/4	YL BR	SA LO	NCM
10.2	1	0-25	10YR 4/2	DK GR BR	SI SA LO	NCM
10.2	2	25-35	10YR 5/4	YL BR	SA LO	NCM
10.3	1	0-20	10YR 4/2	DK GR BR	SI SA LO	NCM
10.3	2	20-30	10YR 5/4	YL BR	SA LO	NCM
10.4	1	0-28	10YR 4/2	DK GR BR	SI SA LO	NCM
10.4	2	28-38	10YR 5/4	YL BR	SA LO	NCM
10.5	1	0-23	10YR 4/2	DK GR BR	SI SA LO	NCM
10.5	2	23-33	10YR 5/4	YL BR	SA LO	NCM
10.6	1	0-22	10YR 4/2	DK GR BR	SI SA LO	NCM
10.6	2	22-32	10YR 5/4	YL BR	SA LO	NCM
10.7	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM
10.7	2	24-34	10YR 5/4	YL BR	SA LO	NCM
10.8	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM
10.8	2	26-36	10YR 5/4	YL BR	SA LO	NCM
10.9	1	0-20	10YR 4/2	DK GR BR	SI SA LO	NCM
10.9	2	20-30	10YR 5/6	YL BR	SA LO	NCM
10.10	1	0-21	10YR 4/2	DK GR BR	SI SA LO	NCM
10.10	2	21-31	10YR 5/4	YL BR	SA LO	NCM
10.11	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM
10.11	2	26-36	10YR 5/4	YL BR	SA LO	NCM
10.12	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM
10.12	2	24-34	10YR 5/6	YL BR	SA LO	NCM
10.13	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM
10.13	2	24-34	10YR 5/4	YL BR	SA LO	NCM
10.14	1	0-24	10YR 4/2	DK GR BR	SI SA LO	NCM
10.14	2	24-34	10YR 7/2	LT GR	SA LO	NCM
10.15	1	0-29	10YR 4/2	DK GR BR	SI SA LO	NCM
10.15	2	29-39	10YR 5/6	YL BR	SA LO	NCM
10.16	1	0-26	10YR 4/2	DK GR BR	SI SA LO	NCM
10.16	2	26-36	10YR 5/6	YL BR	SA LO	NCM
10.17	1	0-21	10YR 4/2	DK GR BR	SI SA LO	NCM
10.17	2	21-31	10YR 5/6	YL BR	SA LO	NCM
11.1	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
11.1	2	23-35	10YR 5/3	BR	SI LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
11.2	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
11.2	2	20-30	10YR 5/3	BR	SI LO	NCM
11.3	1	0-17	10YR 4/2	DK GR BR	SI LO	NCM
11.3	2	17-27	10YR 5/3	BR	SI LO	NCM
11.4	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
11.4	2	20-30	10YR 5/3	BR	SI LO	NCM
11.5	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
11.5	2	22-32	10YR 5/3	BR	SI LO	NCM
11.6	1	0-19	10YR 4/2	DK GR BR	SI LO	NCM
11.6	2	19-30	10YR 5/3	BR	SI LO	NCM
11.7	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
11.7	2	18-30	10YR 5/3	BR	SI LO	NCM
11.8	1	0-17	10YR 4/2	DK GR BR	SI LO	NCM
11.8	2	17-29	10YR 5/3	BR	SI LO	NCM
11.9	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
11.9	2	20-30	10YR 5/3	BR	SI LO	NCM
11.10	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
11.10	2	22-33	10YR 5/3	BR	SI LO	NCM
11.11	1	0-22	10YR 4/2	DK GR BR	SI LO	NCM
11.11	2	22-32	10YR 5/3	BR	SI LO	NCM
11.12	1	0-15	10YR 4/2	DK GR BR	SI LO	NCM
11.12	2	15-25	10YR 5/3	BR	SI LO	NCM
11.13	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
11.13	2	18-30	10YR 5/3	BR	SI LO	NCM
11.14	1	0-15	10YR 4/2	DK GR BR	SI LO	NCM
11.14	2	15-25	10YR 5/3	BR	SI LO	NCM
12.1	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
12.1	2	26-36	10YR 5/4	YL BR	SI CL LO	NCM
12.2	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
12.2	2	27-38	10YR 5/4	YL BR	SI CL LO	NCM
12.3	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
12.3	2	20-31	10YR 5/6	YL BR	CL	NCM
12.4	1	0-33	10YR 4/2	DK GR BR	SI LO	NCM
12.4	2	33-43	10YR 5/6	YL BR	SI CL	NCM
12.5	1	0-27	10YR 4/2	DK GR BR	SI LO	NCM
12.5	2	27-37	10YR 5/6	YL BR	SI CL	NCM
12.6	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
12.6	2	24-35	10YR 5/4	YL BR	SI CL	NCM
12.7	1	0-30	10YR 4/2	DK GR BR	SI LO	NCM
12.7	2	30-40	10YR 5/4	YL BR	SI CL	NCM
12.8	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
12.8	2	23-33	10YR 5/4	YL BR	SI CL	NCM
12.9	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
12.9	2	24-34	10YR 5/4	YL BR	SI CL	NCM
12.10	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
12.10	2	20-30	10YR 5/4	YL BR	SI CL	NCM
12.11	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
12.11	2	23-35	10YR 5/4	YL BR	SI CL	NCM
12.12	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
12.12	2	25-35	10YR 5/4	YL BR	SI CL	NCM
13.1	1	0-23	10YR 4/2	DK GR BR	SI SA LO	NCM
13.1	2	23-33	10YR 5/6	YL BR	SA LO	NCM
13.2	1	0-30	10YR 4/2	DK GR BR	SI SA LO	NCM
13.2	2	30-40	10YR 5/6	YL BR	SA LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
13.3	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM
13.3	2	27-37	10YR 5/6	YL BR	SA LO	NCM
13.4	1	0-30	10YR 4/2	DK GR BR	SI SA LO	NCM
13.4	2	30-40	10YR 5/6	YL BR	SA LO	NCM
13.5	1	0-30	10YR 4/2	DK GR BR	SI SA LO	NCM
13.5	2	30-40	10YR 5/6	YL BR	SA LO	NCM
13.6	1	0-23	10YR 4/2	DK GR BR	SI SA LO	NCM
13.6	2	23-33	10YR 5/6	YL BR	SA LO	NCM
13.7	1	0-20	10YR 4/2	DK GR BR	SI SA LO	NCM
13.7	2	20-30	10YR 5/6	YL BR	SA LO	NCM
13.8	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM
13.8	2	27-37	10YR 5/6	YL BR	SA LO	NCM
13.9	1	0-28	10YR 4/2	DK GR BR	SI SA LO	NCM
13.9	2	28-38	10YR 5/6	YL BR	SA LO	NCM
13.10	1	0-8	10YR 4/2	DK GR BR	SI SA LO	NCM
13.10	2	8-18	10YR 5/6	YL BR	SA LO	NCM
14.1	1	0-25	10YR 4/2	DK GR BR	SI SA LO	NCM
14.1	2	25-35	10YR 5/3	BR	SI SA CL	NCM
14.2	1	0-26	10YR 4/2	DK GR BR	SI SA CL	NCM
14.2	2	26-36	10YR 5/3	BR	SI SA CL	NCM
14.3	1	0-26	10YR 4/2	DK GR BR	SI SA CL	NCM
14.3	2	26-36	10YR 5/3	BR	SI SA CL	NCM
14.4	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM
14.4	2	27-38	10YR 5/3	BR	SI SA LO	NCM
14.5	1	0-20	10YR 4/2	DK GR BR	SI SA LO	NCM
14.5	2	20-32	10YR 5/3	BR	SI SA LO	NCM
14.6	1	0-17	10YR 4/2	DK GR BR	SI SA LO	NCM
14.6	2	17-27	10YR 5/3	BR	SI SA LO	NCM
14.7	1	0-27	10YR 4/2	DK GR BR	SI SA LO	NCM
14.7	2	27-39	10YR 5/3	BR	SI SA LO	NCM
15.1	1	0-16	10YR 4/2	DK GR BR	SI LO	NCM
15.1	2	16-30	10YR 5/6	YL BR	SI LO	NCM
15.2	1	0-17	10YR 4/2	DK GR BR	SI LO	NCM
15.2	2	17-29	10YR 5/6	YL BR	SI LO	NCM
15.3	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
15.3	2	18-31	10YR 5/6	YL BR	SI LO	NCM
15.4	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
15.4	2	20-30	10YR 5/4	YL BR	SI LO	NCM
15.5	1	0-19	10YR 4/2	DK GR BR	SI LO	NCM
15.5	2	19-31	10YR 5/4	YL BR	SI LO	NCM
16.1	1	0-14	10YR 4/2	DK GR BR	SI LO	gravel; 2 small pieces plastic; 1 brick fragment
16.1	2	14-25	10YR 5/4	YL BR	SA LO	NCM
16.2	1	0-8	10YR 4/2	DK GR BR	SI LO	NCM
16.2	2	8-20	10YR 5/2	GR BR	SI CL LO	NCM
17.1	1	0-35	10YR 4/2	DK GR BR	SA LO	NCM
17.1	2	35-45	10YR 5/3	BR	SA CL LO	NCM
17.2	1	0-31	10YR 4/2	DK GR BR	SA LO	NCM
17.2	2	31-41	10YR 5/3	BR	SA CL LO	NCM
17.3	1	0-19	10YR 4/2	DK GR BR	SI LO	NCM
17.3	2	19-30	10YR 5/6	YL BR	SA LO	NCM
17.4	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
17.4	2	18-30	10YR 5/6	YL BR	SA CL LO	NCM
17.5	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
17.5	2	23-33	10YR 5/6	YL BR	SA CL LO	NCM
17.6	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
17.6	2	26-36	10YR 5/3	BR	SA LO	NCM
17.7	1	0-21	10YR 4/2	DK GR BR	SI LO	NCM
17.7	2	21-31	10YR 5/3	BR	SA LO	NCM
17.8	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
17.8	2	23-33	10YR 5/3	BR	SA LO	NCM
18.1	1	0-16	10YR 4/2	DK GR BR	SI LO	NCM
18.1	2	16-26	10YR 5/6	YL BR	SA CL LO	NCM
18.2	1	0-24	10YR 4/3	BR	SI LO	NCM
18.2	2	24-34	10YR 5/6	YL BR	CL LO	NCM
18.3	1	0-25	10YR 4/2	DK GR BR	SI LO	NCM
18.3	2	25-35	10YR 5/6	YL BR	SA CL LO	NCM
18.4	1	0-32	10YR 4/2	DK GR BR	SI LO	NCM
18.4	2	32-42	10YR 5/6	YL BR	SA CL LO	NCM
18.5	1	0-32	10YR 4/2	DK GR BR	SI LO	NCM
18.5	2	32-42	10YR 5/6	YL BR	SA CL LO	NCM
18.6	1	0-23	10YR 4/2	DK GR BR	SI LO	NCM
18.6	2	23-33	10YR 5/6	YL BR	SA CL LO	NCM
18.7	1	0-26	10YR 4/2	DK GR BR	SI LO	NCM
18.7	2	26-36	10YR 5/3	BR	SA LO	NCM
19.1	1	0-24	10YR 4/2	DK GR BR	SA LO	clear bottle glass; fence wire (not collected)
19.1	2	24-34	10YR 5/4	YL BR	SA LO	NCM
19.2	1	0-25	10YR 4/2	DK GR BR	SA LO	1 metal bracket; 1 plastic lid (not collected)
19.2	2	25-36	10YR 5/4	YL BR	SA LO	NCM
19.3	1	0-15	10YR 4/3	BR	SA LO	NCM; rock impasse at 15cm
19.4	1	0-20	10YR 4/3	BR	SA LO	NCM
19.4	2	20-30	10YR 5/4	YL BR	SA LO	NCM
20.1	1	0-20	10YR 4/2	DK GR BR	SA LO	NCM
20.1	2	20-30	10YR 5/4	YL BR	SA CL LO	NCM
20.2	1	0-26	10YR 4/2	DK GR BR	SA LO	NCM
20.2	2	26-36	10YR 5/4	YL BR	SA CL LO	NCM
20.3	1	0-23	10YR 4/2	DK GR BR	SA LO	NCM
20.3	2	23-33	10YR 5/4	YL BR	SA CL LO	NCM
20.4	1	0-21	10YR 4/2	DK GR BR	SA LO	NCM
20.4	2	21-31	10YR 5/4	YL BR	SA LO	NCM
21.1	1	0-30	10YR 3/2	V DK GR BR	SI LO	plastic
21.1	2	30-40	10YR 5/4 10YR 3/2	YL BR V DK GR BR	SA LO	tarpaper
21.2	1	0-15	10YR 5/3	BR	SI LO	gravel; belt buckle (not collected); asphalt/gravel impasse at 15cm
21.3	1	0-32	10YR 4/3	BR	SI LO	brick; tarpaper; asphalt/gravel impasse at 32cm
21.4	1	0-20	10YR 3/2	V DK GR BR	SI LO	NCM
21.4	2	20-30	10YR 5/4	YL BR	SI LO	NCM
22.1	1	0-28	10YR 4/2 10YR 5/1	DK GR BR GR	SA LO	NCM; rock impasse at 28cm
22.2	1	0-10	10YR 4/2	DK GR BR	SA LO	metal bracket (not collected)
22.2	2	10-31	10YR 5/4	YL BR	SA LO	NCM
22.3	1	0-15	10YR 4/2	DK GR BR	SA LO	NCM
22.3	2	15-28	10YR 5/4	YL BR	SA LO	NCM
22.4	1	0-21	10YR 4/3	BR	SA LO	NCM

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
22.4	2	21-32	10YR 5/6	YL BR	SA LO	NCM
23.1	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM
23.1	2	18-28	10YR 5/4	YL BR	SA LO	NCM
23.2	1	0-18	10YR 4/2	DK GR BR	SA LO	1 brick fragment (not collected)
23.2	2	18-28	10YR 5/4	YL BR	SA LO	NCM
23.3	1	0-27	10YR 4/2	DK GR BR	SA LO	NCM
23.3	2	27-37	10YR 5/4	YL BR	SA LO	NCM
23.4	1	0-24	10YR 4/2	DK GR BR	SA LO	styrofoam (not collected)
23.4	2	24-35	10YR 5/4	YL BR	SA LO	NCM
24.1	1	0-30	10YR 4/3	BR	SI LO	flat rusted metal; 1 cut nail
24.1	2	30-40	10YR 5/4	YL BR	SI LO	NCM
24.2	1	0-35	10YR 3/2	V DK GR BR	SI LO	flat rusted metal; window glass; coal; rock/gravel impasse at 35cm
24.2A	1	0-30	n/a	n/a	COAL	coal; tar roofing
24.2A	2	30-45	10YR 5/8	YL BR	SA LO	NCM
24.3	1	0-25	10YR 3/2	V DK GR BR	SI LO	NCM
24.3	2	25-38	10YR 5/4	YL BR	SI LO	NCM
24.4	1	0-24	10YR 4/3	BR	SI LO	NCM
24.4	2	24-35	10YR 5/6	YL BR	SI CL LO	NCM
24.5	1	0-21	10YR 4/2	DK GR BR	SA LO	NCM
24.5	2	21-31	10YR 5/4	YL BR	SA LO	NCM
25.1	1	0-12	10YR 4/2	DK GR BR	SA LO	NCM
25.1	2	12-25	10YR 5/4	YL BR	SA LO	NCM
25.2	1	0-16	10YR 4/2	DK GR BR	SA LO	NCM
25.2	2	16-26	10YR 5/4	YL BR	SA LO	NCM
25.3	1	0-18	10YR 4/2	DK GR BR	SA LO	NCM
25.3	2	18-30	10YR 5/4	YL BR	SA LO	NCM
25.4	1	0-15	10YR 4/3	BR	SA LO	NCM
25.4	2	15-25	10YR 5/6	YL BR	SA LO	NCM
25.5	1	0-18	10YR 4/3	BR	SA LO	NCM
25.5	2	18-30	10YR 5/6	YL BR	SA LO	NCM
26.1	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
26.1	2	24-34	10YR 5/4	YL BR	SI LO	NCM
26.2	1	0-15	10YR 4/2	DK GR BR	SI LO	gravel; coal; slag
26.2	2	15-25	10YR 5/4	YL BR	SI LO	NCM; gravel
26.3	1	0-24	10YR 4/2	DK GR BR	SI LO	NCM
26.3	2	24-34	10YR 5/6	YL BR	SI LO	NCM
26.4	1	0-15	10YR 3/2	V DK GR BR	SI LO	NCM; gravel; rock impasse at 15cm
26.4A	1	0-25	10YR 4/3	BR	SI LO	NCM
26.4A	2	25-35	10YR 5/4	YL BR	SI LO	NCM
26.5	1	0-21	10YR 4/3	BR	SI LO	beer bottle glass; mortar
26.5	2	21-41	10YR 5/4	YL BR	SI LO	NCM
27.1	1	0-18	10YR 4/2	DK GR BR	SI LO	NCM
27.1	2	18-30	10YR 5/2	GR BR	SA SI LO	NCM
27.2	1	0-22	10YR 4/2	DK GR BR	SI LO	brown bottle glass (not collected)
27.2	2	22-32	10YR 5/2	GR BR	SA SI LO	NCM
27.3	1	0-20	10YR 4/2	DK GR BR	SI LO	NCM
27.3	2	20-30	10YR 5/3	BR	SA LO	NCM
27.4	1	0-20	10YR 4/2	DK GR BR	SA LO	3 pieces undecorated whiteware
27.4	2	20-30	10YR 5/4	YL BR	SA LO	NCM
27.5	1	0-25	10YR 4/2	DK GR BR	SA LO	3 pieces undecorated whiteware; 2 pieces clear glass
27.5	2	25-35	10YR 5/4	YL BR	SA LO	NCM
28.1	1	0-20	10YR 3/2	V DK GR BR	SI LO	1 piece clear jar glass

Shovel Test Log for Project Site 3 4490 West Henrietta Road Site

Transect/ STP	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
28.1	2	20-30	10YR 5/6	YL BR	SI LO	NCM
28.2	1	0-32	10YR 3/2	V DK GR BR	SI LO	window glass
28.2	2	32-43	10YR 5/6	YL BR	SI LO	NCM
28.3	1	0-18	10YR 3/2	V DK GR BR	SI LO	1 clam shell; 1 coal (not collected)
28.3	2	18-28	10YR 5/6	YL BR	SI LO	NCM
28.4	1	0-12	10YR 4/2	DK GR BR	SA LO	NCM; gravel
28.4	2	12-24	10YR 5/6	YL BR	SA LO	NCM
28.5	1	0-35	10YR 3/2	V DK GR BR	SI LO	coal; coal ash; cannister lid; 1 nail; 22-caliber shell casing
28.5	2	35-45	10YR 5/6	YL BR	SI LO	NCM

Appendix C. Artifact Catalog

Artifact Catalog for Three Project Sites in Henrietta

STP	Strat.	Material Class	Artifact Type	Count	Secondary Type	Comments	Beg. Date	End Date
PROJECT SITE 1								
2.1	1	glass	bottle shard	1	clear	modern/recent historic, likely same vessel, 3.3 cm, 6 mm thick (early 20th century mfg)	est 1900	est 1950
2.1	1	metal	nail, cut	1				
28.1	1	ceramic	semi-vitreous china	1		likely tableware, undecorated, 2.4 cm	1880+	
52.1	1	ceramic	ironstone	1		tableware rim, 2.7 cm	1842	1930
67.7	1	lithic	secondary reduction flake	1	gray	Onondaga chert		
67.7+3 mN	1	lithic	flake fragment	1	gray	Onondaga chert		
88.3	1	ceramic	stoneware	1	brown	probable crock base sherd, brown interior slip, 8 x 7.5 cm, buff body	est 1870	est 1940
A1	1	glass	bottle shard	5	clear	modern/recent historic, likely same vessel, under 7 cm, 7 mm thick (early 20th century mfg)	est 1900	est 1950
A1	1	metal	coalash	1				
A1	1	metal	nail, cut	8				
A1	1	metal	nail, cut, fragment	45				
A1	1	metal	nail, wire	5				
A2	1	glass	bottle shard	1	aqua	partial base, early ABM suction scar	est 1903	est 1940
A2	1	metal	nail, cut, fragment	1				
B2	1	ceramic	pearlware, hand painted	1	blue	sprig, 1.7 cm	1780	1830
PROJECT SITE 2								
38.3	1	lithic	flake fragment	1	gray	Onondaga chert; probable secondary flake		
38.4	1	lithic	flake fragment	1	gray	Onondaga chert; two pot lids		
PROJECT SITE 3								
27.4	1	ceramic	whiteware	3		probable tableware, under 2.5 cm	1820	1900+
27.5	1	ceramic	whiteware	1		mends, cup rim, 1.7 by 2.5 cm combined	1820	1900+
27.5	1	glass	light bulb shard	1				
27.5	1	glass	melted	1		1.7 cm		
28.1	1	glass	bottle shard	1	clear	wide mouth bottle, continuous thread, 5 cm, possible fruit jar, later rim seal		
28.5	1	glass	glass lid liner, fruit	1	milkglass	(broken into 11 fragments)	1871+	1950s
28.5	1	glass	window	1				
28.5	1	metal	22 cal bullet casing	1				
28.5	1	metal	nail, wire	1				
28.5	1	metal	zinc fruit jar lid	1		with glass insert	1871+	1950s