



Draft Environmental Impact Statement

Appendix B

Phase 1A & 1B Cultural Resources Surveys

B-1: Phase 1A Cultural Resources Survey

B-2: Phase 1B Cultural Resources Survey

B-3: Supplemental Phase 1B Report



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Draft Environmental Impact Statement

B-1 Phase 1A Cultural Resources Survey



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Clovewood Archaeological Report

Phase 1A Literature Review and Sensitivity Analysis

Blagg's Clove
Village of South Blooming Grove
Orange County, New York

Prepared for:

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Monroe, New York 10949

Prepared By:

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July 2015

Cloewood Archaeological Report

Blagg's Clove
Village of South Blooming Grove
Orange County, New York

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Management Summary

SHPO Project Review Number (if available):

Involved State and Federal Agencies: NYSDEC

Phase of Survey: **Phase 1A Literature Review & Sensitivity Analysis**

Location Information:

Location: **Blagg's Clove, Clove Road and NYS Route 208**
Minor Civil Division: **Village of South Blooming Grove**
County: **Orange County, New York**

Survey Area (Metric & English)

Length: $\pm 7500'$ (2,286 meters)

Width: $\pm 5300''$ (1,615 meters)

Depth (when appropriate): N/A

Number of Acres Surveyed: ± 708 acre (286.5 hectares)

Number of Square Meters & Feet Excavated (Phase II, Phase III only): **N/A**

Percentage of the Site Excavated (Phase II, Phase III only): **N/A**

USGS 7.5 Minute Quadrangle Map: **Monroe/Maybrook**

Archaeological Survey Overview

Number & Interval of Shovel Tests: **N/A**

Number & Size of Units: **N/A**

Width of Plowed Strips: **N/A**

Surface Survey Transect Interval: **N/A**

Results of Archaeological Survey

Number & name of prehistoric sites identified: **N/A**

Number & name of historic sites identified: **N/A**

Number & name of sites recommended for Phase II/Avoidance: **N/A**

Results of Architectural Survey

Number of buildings/structures/cemeteries within project area: ± 50

Number of buildings/structures/cemeteries adjacent to project area: several¹

Number of previously determined NR listed or eligible buildings/structures/cemeteries/districts:
None

Number of identified eligible buildings/structures/cemeteries/districts: None

Report Author (s): **Stephanie Roberg-Lopez M.A., R.P.A. Gail T. Guillet and Beth Selig**

Date of Report: **July 2014**

¹ None of the adjacent buildings or structures will be impacted by proposed project.

CLOVEWOOD ARCHAEOLOGICAL REPORT

Blagg's Clove

Village of South Blooming Grove.

Orange County, New York

Introduction

In 2014, CITY/SCAPE: Cultural Resource Consultants was retained by CPC to complete a Phase 1A Literature Review and Sensitivity Analysis for the Clovewood site in Blagg's Clove within the Village of South Blooming Grove, Orange County, New York (See Appendix A: Maps 1-2 & Figure 1). The Clovewood site contains approximately 708 acres (286.5 hectares) and is designated by the Village of South Blooming Grove as Tax Map: Section 208, Block 1, Lots 2 and 3. For the purposes of the Phase 1A report, the entirety of the Clovewood property was examined.

The proposed project requires permits from the State of New York, including the New York State Department of Environmental Conservation (NYSDEC). The need for permits from the NYSDEC necessitates consultation with the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) concerning cultural and archaeological resources that might be located within or in the vicinity of the project area, and a sign off from OPRHP on the archaeological work completed.

The Phase 1A work was performed in accordance with the *Standards for Cultural Resource Investigations and the Curation of Archeological Collections* published by the New York Archeological Council (2000), which have been adopted by the OPRHP. The field investigation and technical report meet the specifications of the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation (*Federal Register* 48:190:44716-44742) (United States Department of the Interior 1983). All work performed meets the requirements of the relevant federal standards (36 CFR 61) and of the State Environmental Quality Review Act (SEQRA) 6NYCRR, part 617 of the New York State Environmental Conservation Law. In addition, the qualifications of the Principal Investigator, who supervised the project, meet or exceed the qualifications described in the Secretary of the Interior's Professional Qualifications Standards (*Federal Register* 48:190:44738-44739) (United States Department of the Interior 1983).

I. Project Area Description

The Clovewood site is located on the southeast side of New York State Route 208 (f/k/a Continental Road) and Orange County Route 27 (a/k/a Clove Road). The property combines level areas, formerly the location of the Lake Ann Country Club, with steeper slopes on the northeast portion of the Clovewood parcel, and steep slopes on the flank of Schunemunk Mountain, which rises to the southeast. The Clovewood property contains a number of structures and buildings (Photos 8-10); none of the structures or buildings are judged to be of historic significance. To the northeast and within the Clovewood site are a series of small bungalows and several other buildings (Photos 14-17). As part of the site visit, the bungalows were examined in a "windshield survey". As is the case with the other structures and buildings, none of the bungalows are of historic significance.

In addition to the structures on the site, the former Lake Ann Golf Course parcel has a small pond, a stream and a series of wetlands (Photo 21).

The site visit examined and photographed the site, with particular attention to the views and vistas. Several structures and a number of stone walls that mark the boundaries of farm fields were observed (Photos 18-22). In addition, the landscape surrounding the Clovewood property was photographed, and a "windshield survey" of the buildings on the Clovewood site and along Route 208 and Clove Road was completed, including the Blooming Grove Plaza and the Sunoco gas station at the intersection of Route 208 and Clove Road, which is a short distance southwest of the proposed project area, are modern, dating to the late 20th and early 21st century (Photos 3-6). To the north, at the intersection of Clove Road and Round Hill Road is a mid-19th century schoolhouse that is currently used as a dwelling (Photos 1-2). This building, the house at 583 Clove Road (Photo 7) and the small stone building located directly opposite the Clovewood parcel (Photo 13) are the only historic structures noted in the vicinity of the project area.

Also within the Clovewood parcel is a small cemetery located on a separate tax lot (Section 208, Block 1, Lot 1) owned by the Round Hill Cemetery. The Village of South Blooming Grove identifies the cemetery as the "Round Hill Cemetery"; however, a photograph of a sign at the cemetery's entrance identifies it as the Howell Cemetery. Research undertaken to determine the names of the persons buried there indicates that all are members of the Howell family, and that their burial ground is identified as the Howell Cemetery in "Blaggs Clove, Orange County, New York". The dates on the gravestones indicate that the cemetery was in use between 1800, when John W. Howell (13 months and 12 days) was buried there, and 1917, when Edward Brewster Howell (age 48) was buried there. Other burials listed in the cemetery records include: Andrew Howell in 1818 (aged 2 years), Elizabeth Board Howell in 1841, who died at 75 years of age; Charles Howell, a son of Hezekiah and Susannah Sayre Howell, in 1843 at 91 years of age; John Woodhull Tuthill Howell (J. W. T. Howell), a son of Hezekiah and Frances Tuthill Howell, in 1870 at the age of 64; Sarah S. Brewster Howell, second wife of J. W. T. Howell, who died in 1873; Sarah B. Howell Clark, a daughter of Matthew H. Howell and Frances Tuthill Howell, who died in 1889 at 51 years of age; and William Wells Clark, husband of Sarah B. Howell. The Howell Cemetery (Round Hill Cemetery) will be preserved, and will not be impacted by the proposed Clovewood project.

II. Proposed Development (Area of Potential Effect (APE))

The proposed development of approximately 600 residential units will be set back from Clove Road with a significant amount of open space at the foot of Schunemunk Mountain. The Area of Potential Effect (APE) will be limited to approximately 136 acres (55 hectares) of the Clovewood land.

III. Environmental Conditions

The Clovewood project area is located in the Hudson Highlands Province, a northeast-southwest trending band of igneous and metamorphic rocks extending from New England through New York, crossing the Hudson River in the vicinity of Cold Spring and West Point, and then passing into New Jersey as the Ramapo Mountains. Because of their structural origin and their durability, the Hudson Highlands are of a higher elevation than the physiographic provinces that border them, including the Hudson-Mohawk Lowlands to the north and the Piedmont

Triassic Lowlands to the south. The Hudson Highlands are almost entirely blanketed by a thin layer of glacial till, with frequent bedrock outcrops. Outwash sand and gravel occupy some of the river and stream valleys that border and run through the Highlands. Examples of these are the Ramapo and Mahwah Rivers and Moodna and Woodbury Creeks.

The surficial deposits associated with the area in which the Clovewood site is located are the result of glacial deposition during the last glaciation, the Wisconsinian. The action of the glacier created the landscape that we see today. As the glacier moved forward, hilltops were scraped and unconsolidated deposits of glacial debris that included pebbles, cobbles and boulders were deposited across the land as glacial till. Glacial till is unsorted and unstratified material that consists of clay, silt, sand, cobbles, stones and boulders. These deposits are generally thicker in the valleys and thinner along the ridges and on the hilltops.

The topography that resulted following the retreat of the glacier can be described as rolling, with much of the terrain gently to moderately sloping. The topography on the site rises approximately 500 feet (152 m) Above Mean Sea Level (AMSL) along Clove Road in the western portion of the project area to approximately 1300 feet (396 m) AMSL along the eastern boundary of the project area.

Drainage on the Clovewood parcel is into an unnamed stream that flows across the property. The stream flows into Satterly Creek, which flows into the Otterkill and Moodna Creek. Moodna Creek is a significant tributary of the Hudson River, entering the river north of Cornwall-on-Hudson, New York.

The characteristics of the soils within a project area have an important impact on the potential for the presence of prehistoric cultural material, since the type of soils present affects the ability of an area to support human populations. The Clovewood parcel contains slopes that range from 0 to 15%, however, the areas where the proposed development is to take place contains slopes that range between 3 to 8%. The soils on the majority of the site are identified as moderately well drained, well drained, and somewhat excessively drained. These well drained soil classes are Arnot-Lordstown complex (ANC, ANF), Hollis soils (HLC, HLD), Mardin gravelly loam (MdB, MdC, MdD), Hoosic gravelly loam (HOC), Smartswood gravelly loam (SwB, SwC), Smartswood-Mardin Complex (SXC) and Unadilla silt loam (UnB). Other portions of the site contain soils that range from very poorly drained (Alden silt loam (Ab)) to poorly drained (Raynham silt loam (Ra), and somewhat poorly drained (Erie gravelly silt loam (ErA/ErB)); these soil types are found primarily in and near the wetland and stream areas. In general, well drained soils on gentle slopes have a higher potential to contain prehistoric sites than do those that are poorly drained or steeply sloped.

With the exception of the poorly drained Alden Silt Loam (Ab) soil complex, the Erie gravelly loam (ErB), and Raynham silt loam (Ra), all of which would have been too wet for occupation, the other soils on the site could have supported prehistoric occupation. It must be noted, however, that, while the poorly drained areas would not have been selected as camp sites, the wetland areas may have been a magnet to prehistoric peoples, who made use of a wide range of wetland resources, including both animals that were attracted to, and plants that grew in wetland environments, while the stream would have provided potable water and access to the site from downstream. The soils are identified in greater detail in Appendix C, which includes the soil descriptions from the *Soil Survey of Orange County* (USDA 1994).

Vegetation on the site includes several different plant communities, including the mown areas of the former golf course, and vegetation associated "old field succession", in which shrub vegetation and other opportunistic plants begin to mix with multi-flora rose, brambles and wild flowers, such as golden rod, asters, Queen Anne's lace

and grasses. Portions of the site contain second-growth mixed forest, including oak, shagbark hickory, black cherry, maple, and sumac. These "edge habitats" provide cover for wildlife, including deer, small mammals, and birds, such as the ovenbird and towhee. Other portions of the property are more heavily wooded, with both evergreens and deciduous trees. In the wetland areas, one would expect to see vegetation associated with wetland soils, including spicebush, viburnum, jewelweed and skunk cabbage. Overall, the Clovewood site falls within the Oak-Northern Hardwood Zone, characterized by oak intermingled with northern hardwoods such as beech and sugar maple (Küchler 1964).

IV. Potential for Site to Contain Prehistoric or Historic Cultural Resources

As part of the initial research, Kin Coshier, President of Coshier Archeological Research, conducted research on behalf CITY/SCAPE: Cultural Resource Consultants at OPRHP and the New York State Library, including examining the archaeological site maps housed at the OPRHP to determine if there are reported archaeological resources on or near the Clovewood site. No OPRHP or New York State Museum (NYSM) prehistoric sites were reported within a one mile (1.6 km) radius of the project area. However, CITY/SCAPE relied on an environmental model to predict the site's potential to contain prehistoric cultural resources, including the following:

- the presence on the site of wetlands overlooked by level or gently sloping areas, which may have served as camp or special use sites for prehistoric peoples;
- the presence of a stream that flows across the site, draining the wetlands, which may have provided potable water and fresh water resources for prehistoric peoples in the area;
- the fact that the topography of the site is similar to the topography in which other prehistoric sites in Orange County are located;
- and, anecdotal reports that there was an "Indian wigwam" near Washingtonville, and an "Indian fort" at the north end of Schunemunk Mountain.

Map research indicates that in 1903 the Clovewood site was owned by N. W. (Nathaniel Woodhull) Howell, and that there are Map Documented Structures (MDS) located on the property. (See Map8) The dates in the Howell Cemetery (Round Hill Cemetery) indicate that the Howell family owned the land from the early 19th century, while the historic research suggests that the Howells had owned large tracts of land in Blooming Grove, including perhaps the Clovewood site, since the 18th century, making it possible that historic cultural resources associated with the family may be present.

In the course of the research, no National Register listed sites were identified within a mile of the project area. As discussed above, the only historic structures identified during the site visit were Schoolhouse No. 2 at the intersection of Round Hill Road (Photos 1 & 2), the small house at 583 Clove Road (Photo 7), and the small stone building (Photo 13) directly opposite the Clovewood site. It is the conclusion of the consultant that none of these structures are eligible for listing on the National Register of Historic Places.

V. History of the Site

As part of the Phase 1A Literature Review and Sensitivity Analysis, historic maps of the area were examined to determine whether the project area had the potential to contain map documented structures (MDS) or other historic cultural resources. While there may be earlier maps that show the Town of Blooming Grove, several of which are discussed below, these earlier maps generally do not include owners' names or property boundaries, which did not appear on maps until the mid-19th century.

The map of Orange County included in the Rutenber's *History of Orange County, New York, 1688-1881* (Rutenber 1881) is based on the Simon DeWitt *Map of Land Patents from Original Surveys* (Appendix A: Map 3). Simon DeWitt was Chief Geographer of Washington's Army after the death of Robert Erskine in 1780. Based on information on a copy of the map in the Orange County Historical Society, the map was prepared between 1782 and 1783. The original patent lines and patentees are shown on the map. The project area is located on a patent containing 2000 acres that was granted to Edward Blagg and Johannes Hey on March 28, 1726, and a short time later came into the sole possession of Edward Blagg, who, it is reported, settled on his patent. The Blagg patent was, according to Rutenber, located ". . . between Woodcock Hill and the Schunemunk range, and the valley [was] known as Blagg's Clove from the earliest settlement to the present time" (Rutenber 1881:629). At the time that DeWitt prepared his map, the area in which the Clovewood site is situated had been occupied by Europeans for over 50 years. Another early settler in the area was Jesse Woodhull, who settled on 500 acres in Blagg's Clove in 1753 (Rutenber 1881:630).

In 1840, David Burr prepared a map that includes the project area (Map 4). In general, Burr's maps include water bodies, highways, villages and hamlets, post office locations, and the location of mills or other industrial operations, but do not include individual structures, except for an occasional church or inn. Located south of the Clovewood site, the Village of Monroe, which had a post office, is shown on the Burr map, as are the hamlets of Chester, Highland Mills, and Blooming Grove, each of which had a post office, along with Blooming Grove and Oxford, which did not. The Edward Blagg Patent is shown, but although research indicates that there were people living on the patent, and that there was likely a mill at Satterleys Pond (named after John Satterly), there is no indication of water courses, highways, hamlets or industrial sites.

The first map on which the names of the owners of individual dwellings are shown is the J. C. Sidney's 1851 *Map of Orange County, New York* (Map 5). On the Sidney map, the area in which the project area is located is identified as "BLAGGS CLOVE" (named after Edward Blagg). There are several hills identified, including Rainer Hill, Musquetoe Hill and Round Hill, while to the east were the Schunemunk Mountains. The highway system in the area had been established by 1851, with Route 208 running northeast from Monroe, past Satterleys Pond and the saw and grist mill owned by J. Satterly, to the intersection of Route 208 and Clove Road. In the area of Satterleys Pond, there was a district school, a Methodist Church, and a carpenter shop, while somewhat to the north at the intersection with CR 44 was a blacksmith shop. Research indicates that a member of the Woodhull family was a blacksmith. The blacksmith shop is located directly opposite one of the Woodhull residences, and it was likely owned and operated by them. The land on the north side of Route 208, including the land on which the blacksmith shop stood, was owned by the Woodhull family, with the home of R. W. (Richard William) Woodhull being located on the northeast side of Route 208 beyond the intersection with Clove Road. On Clove Road north of the intersection with Route 208 were several farms owned by the Howell family, including M. H. (Matthew Henry [alternatively Woodhull]) Howell, whose house was accessed by a short farm lane. The Clovewood parcel and the Howell Cemetery (Round Hill Cemetery) are located on the M. H. Howell farm. There is a stream flowing across

the property that flows into Satterley Creek, which is a tributary of Moodna Creek (earlier called Murderer's Creek); Moodna Creek flows into the Hudson River north of Cornwall-on-Hudson, New York. Northeast of the M. W. Howell farm and on the opposite side of the Clove Road was the dwelling of Hezekiah Howell; this may be the Howell homestead, established by an earlier Hezekiah Howell, who came to Blooming Grove (then part of Cornwall) from Southampton on Long Island in the early 18th century. On the north side of Round Hill, at the intersection of Round Hill Road, Helms Hill Road and Clove Road was the District School. The schoolhouse shown on the 1851 map is not the current building (See Photos 1 & 2), which was not built until 1864, but an earlier structure, likely of wood.

The Town of Blooming Grove continued to grow in the eight years between the 1851 and the Corey and Bachman 1859 *Map of Orange and Rockland Counties, New York* (Map 6), but little development had taken place in Blagg's Clove. The District School is shown on the east side of Round Hill, with the homes of the Howell family on either side of Clove Road. By this date, the house owned by R. W. Howell in 1851 was owned by N. H. (Nathaniel Woodhull) Howell¹, his son. On the north side of Clove Road, at the foot of Round Hill, was the home of H. Howell; this would be Hezekiah Howell. Clearly, the name Hezekiah was a frequent one in the Howell family, having been the name of the first Howell to settle in Blagg's Clove. Hezekiah Howell, who came to the area about 1734, was a lineal descendant of Edward Howell, who had come to Boston in 1639, and whose family later settled in Southampton on Long Island. The original Hezekiah Howell died in 1784, leaving a son, also named Hezekiah, who served in the Revolutionary War, dying in 1815 at 74 years of age. The owner of the Hezekiah Howell farm in 1859, might have been the son, but is more likely to have been the grandson, Hezekiah Howell, Jr., who died in 1815. To the north of the Nathaniel Woodhull Howell farm were the farms of Thomas C. Howell and Coe S. Howell. To the south, the land that had been owned by the Woodhull's in 1851 was now apparently owned by J. Taylor and A. J. and J. R. Andrews.

In 1875, F. W. Beers' published his *County Atlas of Orange, New York* (Map 7). The land formerly owned by N. W. Howell was now owned, according to the map, by M. H. Howell. It is probable that this is an error on the map, since research indicates that he was Matthew Woodhull Howell. His property extended from south of the intersection of Route 208 and Clove Road to encompass all of the Clovewood property (Section 208, Block 1, Lots 2 and 3). He also owned land on the northeast side of Route 208 north of the intersection with Clove Road, where he had a "Creamery". His property on both sides of the road totaled 300 acres (121 hectares). By 1875, places like Blooming Grove had many farms that focused on the dairy industry, which processed and shipped milk to New York City by railroad. The "Creamery" was perhaps an opportunity for M. W. Howell to increase his income by processing the milk of his own cows and the milk produced by his neighbors. Hezekiah Howell, whose house was on the west side of Clove Road, owned 700 acres in total; as noted above, it is likely that this was the original Howell farm, and that the earlier Hezekiah had broken off portions of his property to provide farms for his sons. T. C. Howell, who had the farm immediately to the north, owned 125 acres and C. S. Howell another 150 acres. District School No. 2 was shown at the intersection of Clove Road, Helm Road and Round Hill Road. By this date it would have been the stone building we see today (Photos 1-2). The plaque on the front of the building states that the school was built by James White, and that Nathaniel Woodhull Howell, Thomas C. Howell, and William E. Merritt were the school trustees, while Hezekiah Howell and Matthew Woodhull Howell served on the school committee. With the exception of the builder, all of the people involved in the construction of the school were local men. William E. Merritt and other members of his family lived on Helm Road, a short distance to the northeast of the schoolhouse.

¹ The Corey and Bachman map identify the owner of the Richard William Howell farm as N. H. Howell, Rutenber identifies him as Nathaniel William Howell, but cemetery records indicate that he was Nathaniel Woodhull Howell.

J. M. Lathrop published an *Atlas of Orange County, New York* in 1903 that includes the Clovewood site (Map 8). The land was now owned by Nathaniel Woodhull Howell. He owned land at the intersection of Route 208 (then called Continental Road) and Clove Road; the house was located near the highway, with a second house and a mineral spring located on the west slope of Schunemunk Mountain. N. W. Howell owned the "Creamery" and a dwelling on the west side of the road. By the late 19th and early 20th century, many farms received names, such as Round Hill Farm on Round Hill Road, or Willow Brook Farm on Willow Brook. N. W. Howell called his farm "Marsh Gibbon Farms". The map indicates that Asa M. Howell owned the farm to the northeast of N. W. Howell, and that Nathan S. Howell owned the farm to the north of Asa M. Howell's property. On the north side of Round Hill there was a "graphite mine". As on earlier maps, the District School No. 2 was at the intersection of Clove Road and Round Hill Road. South of the intersection of Route 108 and Clove Road, the land on the northwest side of Route 208 was owned by Mrs. M. V. Woodhull. The house was set back from the highway at the end of a long farm lane. Willow Brook flowed along the southern and northwestern edge of the property, which contained 204 acres.

Two historic topographic maps of the area were examined for the Phase 1A report. The first is the topographic map of the Schunemunk Quadrangle for 1902 (Map 9). This map indicates that only one structure was located within the boundaries of the N. W. Howell property. This may be an error, since the 1935 topographical map still shows both houses. The Hezekiah Howell house was still standing on the west side of Clove Road, as was, it appears, the "Creamery." As stated above, on the 1935 topographical map the house owned by N. W. Howell is shown close to the road, and the house that stood in the slope of Schunemunk Mountain is also shown (Map 10). At the northeastern edge of the Clove Road property, there was another house that may be the house occupied by Asa M. Howell in 1903.

VI. Additional Research Undertaken

Research indicated that to date no Phase 1B Archaeological Field Reconnaissance Surveys have been completed in the vicinity of the Clovewood property.

VII. Sensitivity Assessment and Site Prediction

Surveys and histories of Orange County and the Village of South Blooming Grove indicate that no prehistoric sites have been identified on the Clovewood site. However, environmental conditions on the Clovewood site (described above) suggest that the more level and better drained areas within the Area of Potential Effect (APE) of the Clovewood site may have the potential to contain prehistoric cultural resources. A Phase 1B Archaeological Field Reconnaissance Survey will focus on these areas, while avoiding wetland areas, stream corridors, areas with slopes in excess of 12 percent, and areas not proposed for development.

Historic research identified two Map Documented Structures (MDS) within the Clovewood property; these are both outside the proposed Area of Potential Effect (APE). There may be structures located on the property that date to the time when the land was farmed (Photo 23). There is also the potential that the Clovewood parcel may contain shaft features (i.e., privies, cisterns and wells), dump sites and sheet middens.

VIII. Conclusions and Recommendations

Based on the State Historic Preservation Office requirements (in effect as of May 30, 2005), which conform to those laid out in Section 106 of the National Historic Preservation Act and Section 14.09 of the New York State Parks, Recreation and Historic Preservation Law, and the New York State Archaeological Council's Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State (New York Archaeological Council 2000), it is the conclusion of CITY/SCAPE: Cultural Resource Consultants that the Phase 1B Archaeological Field Reconnaissance Survey of the portions of the site that will be impacted by the proposed development is needed. The Phase 1B survey shall be limited to those areas on the Clovewood site that shall be impacted by development, the Area of Potential Effect (APE), which is located on the southeast side of Clove Road and contains approximately 136 acres (55 hectares), excluding designated wetlands, stream corridors, areas containing slopes that exceed 12 percent, and areas not proposed for development.

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1782-3 *Map of Land Patents from Original Surveys*. In Ruttenber, *History of Orange County, New York*
(Ruttenber 1881).

APPENDICES

LIST OF APPENDICES

Appendix A: Maps and Figures

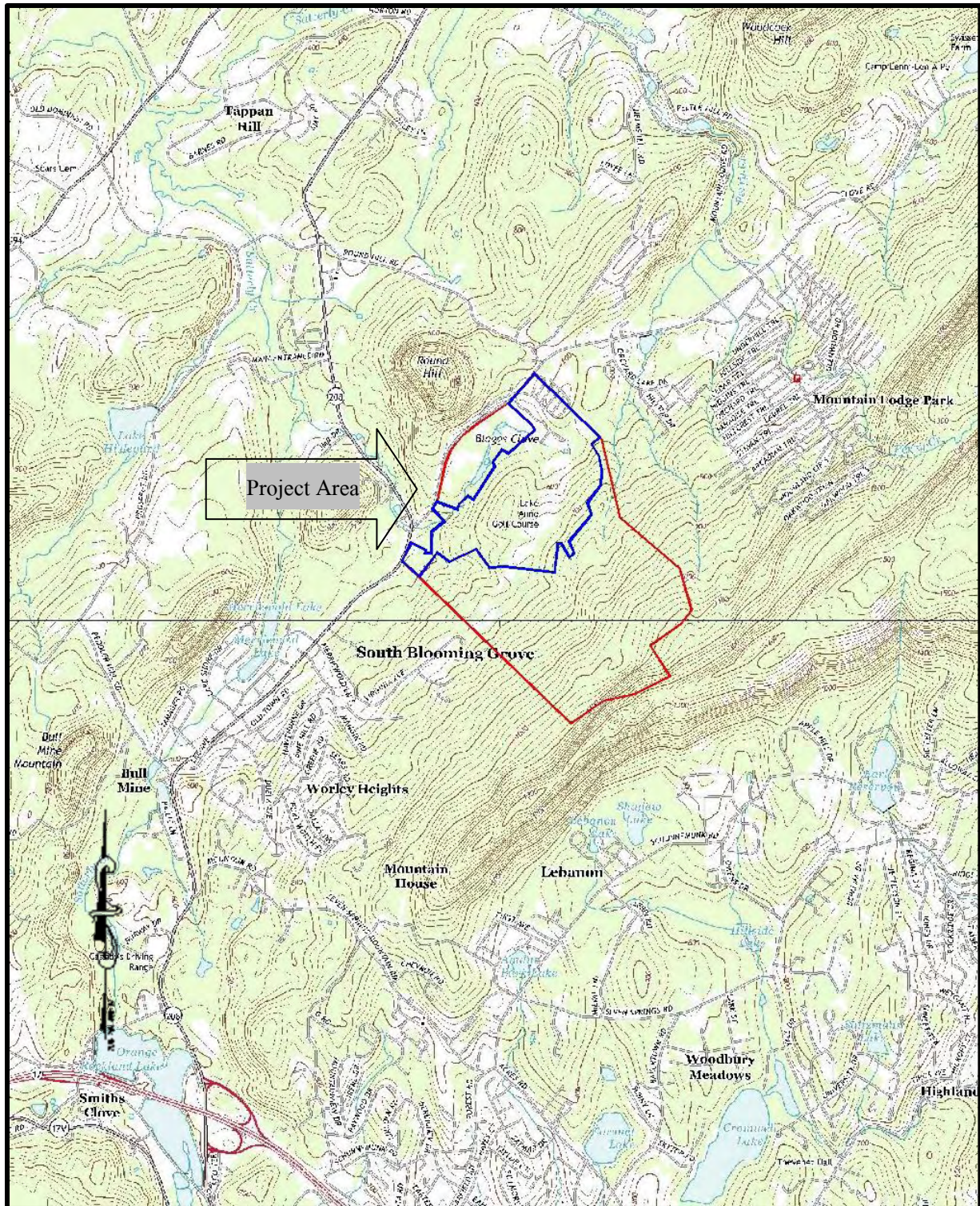
Appendix B: Photographs

Appendix C: Soil Description and Map

Appendix D: Qualifications and Resumes of CITY/SCAPE Personnel

APPENDIX A

MAPS & FIGURES



Map 1: 2013 USGS Topographical Map. 7.5 Minute Series. Maybrook and Monroe Quadrangles. Scale: 1"= 3545'. Red line indicates Clovewood property. Blue line indicates APE.



Map 2: Locator Map including Project Area. (Source: Hagstrom's *Rockland/Orange/Ulster Counties Atlas* 2000). Plates 12 & 17. Red line indicates Clovewood property. Blue line indicates APE. Scale: 1"=2225'.

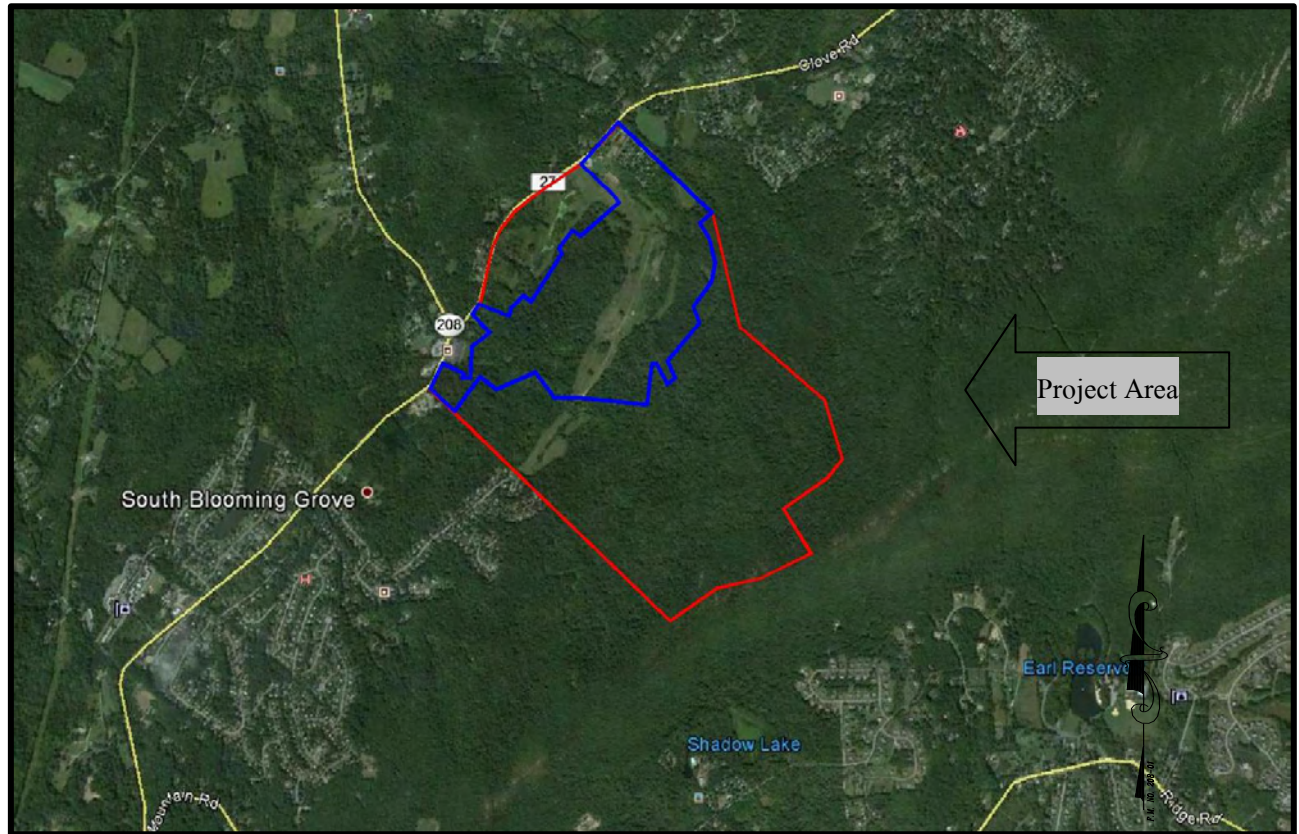
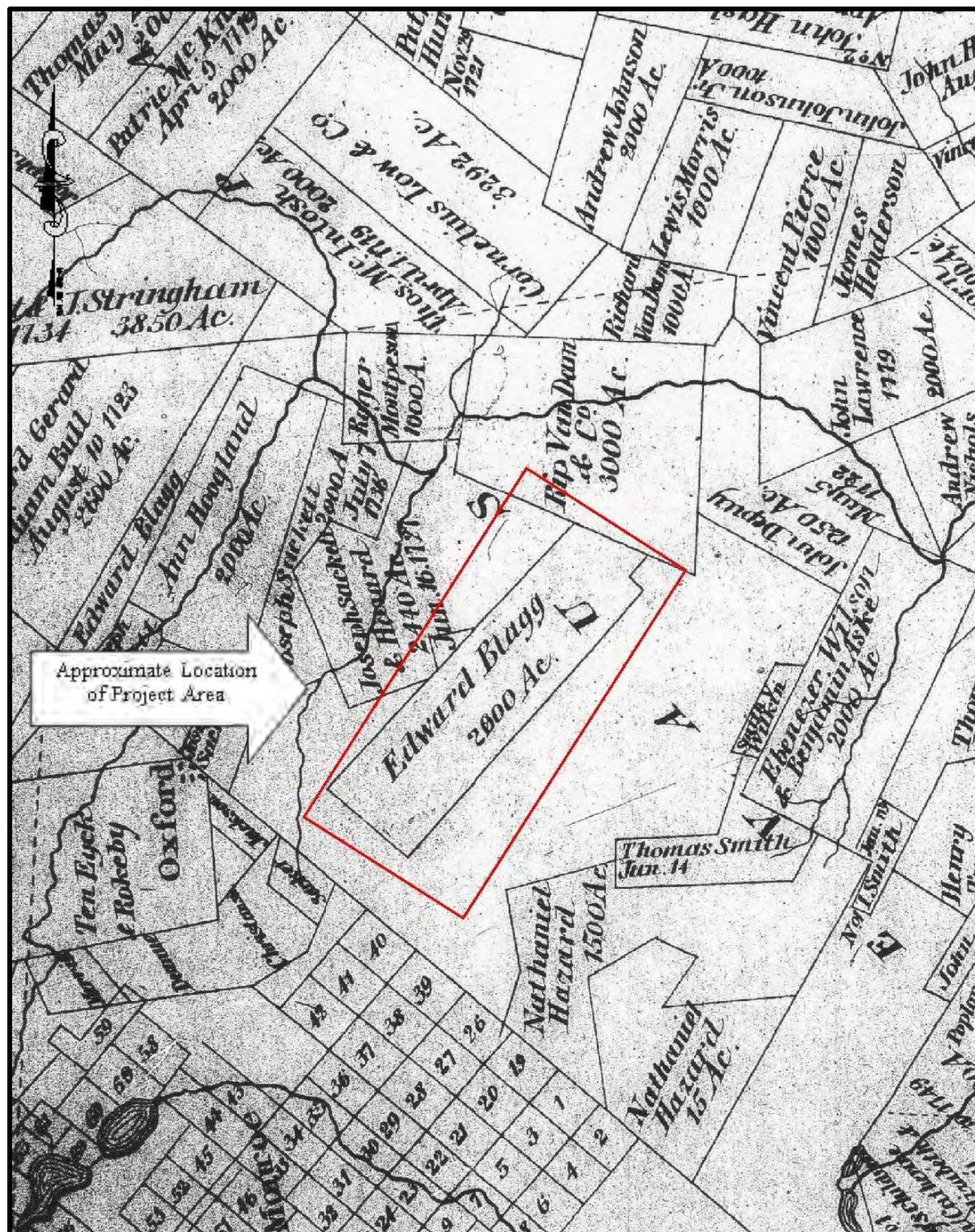
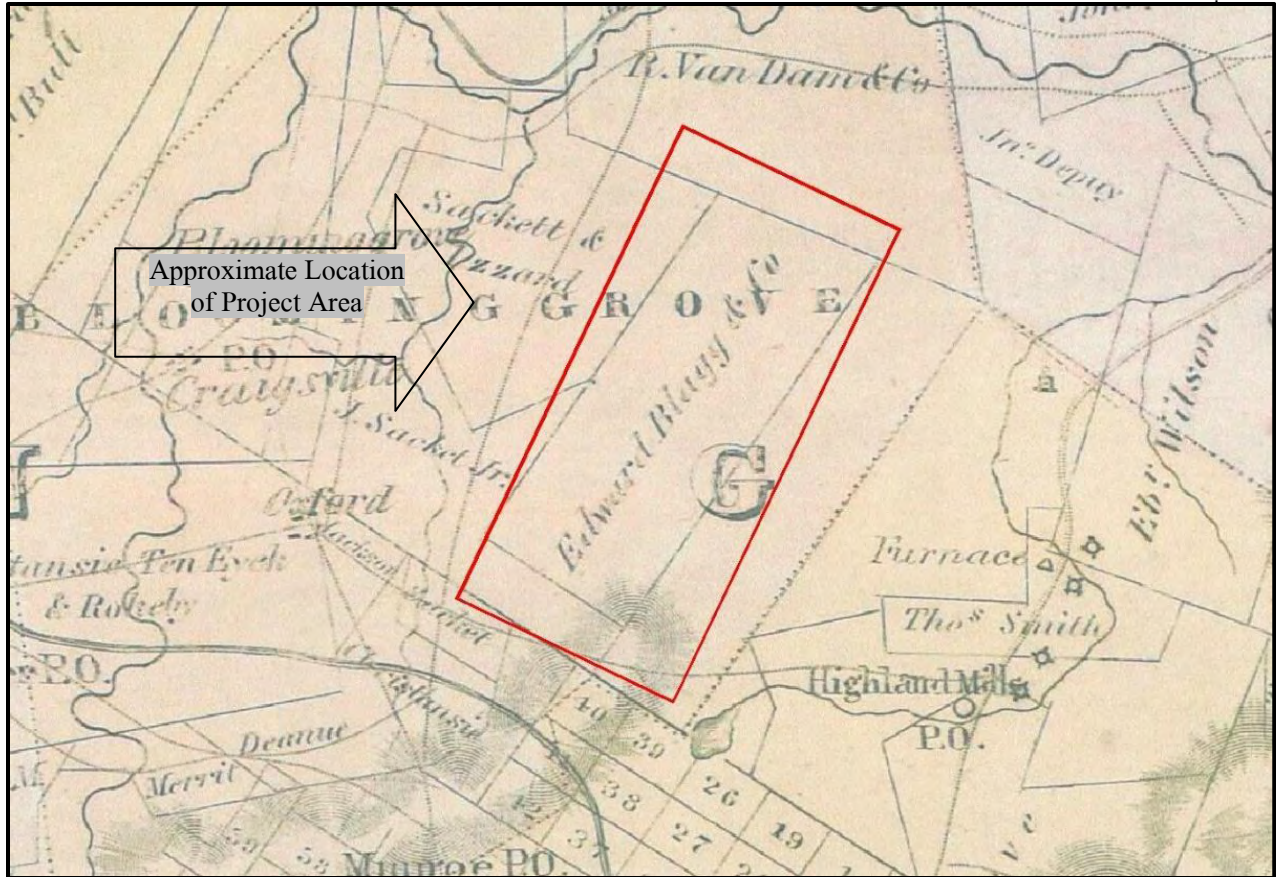


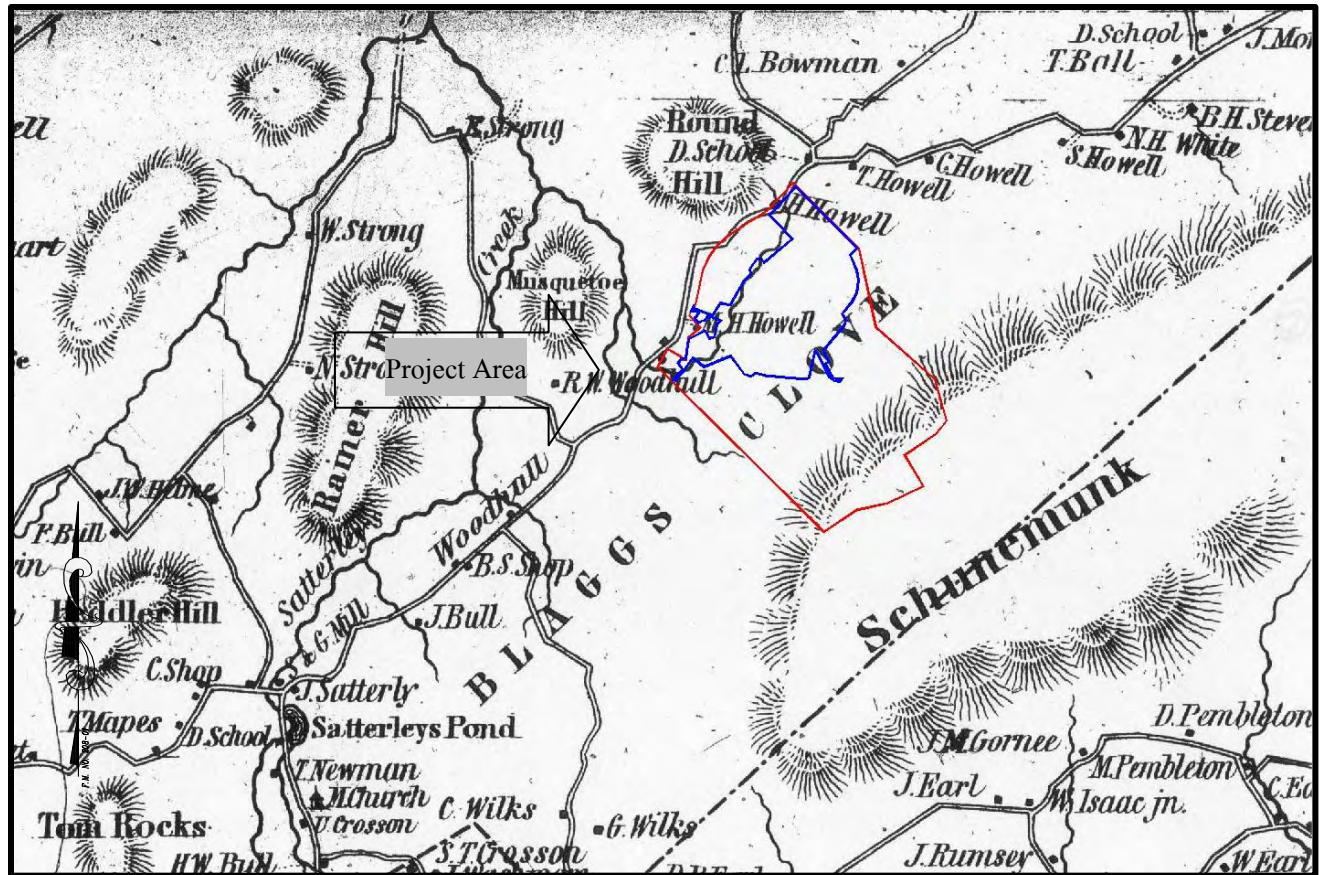
Figure 1: Aerial Photograph including Project Area. Source: Google Earth. Red line indicates Clovewood property. Blue line indicates APE. Scale: 1"=2925'.



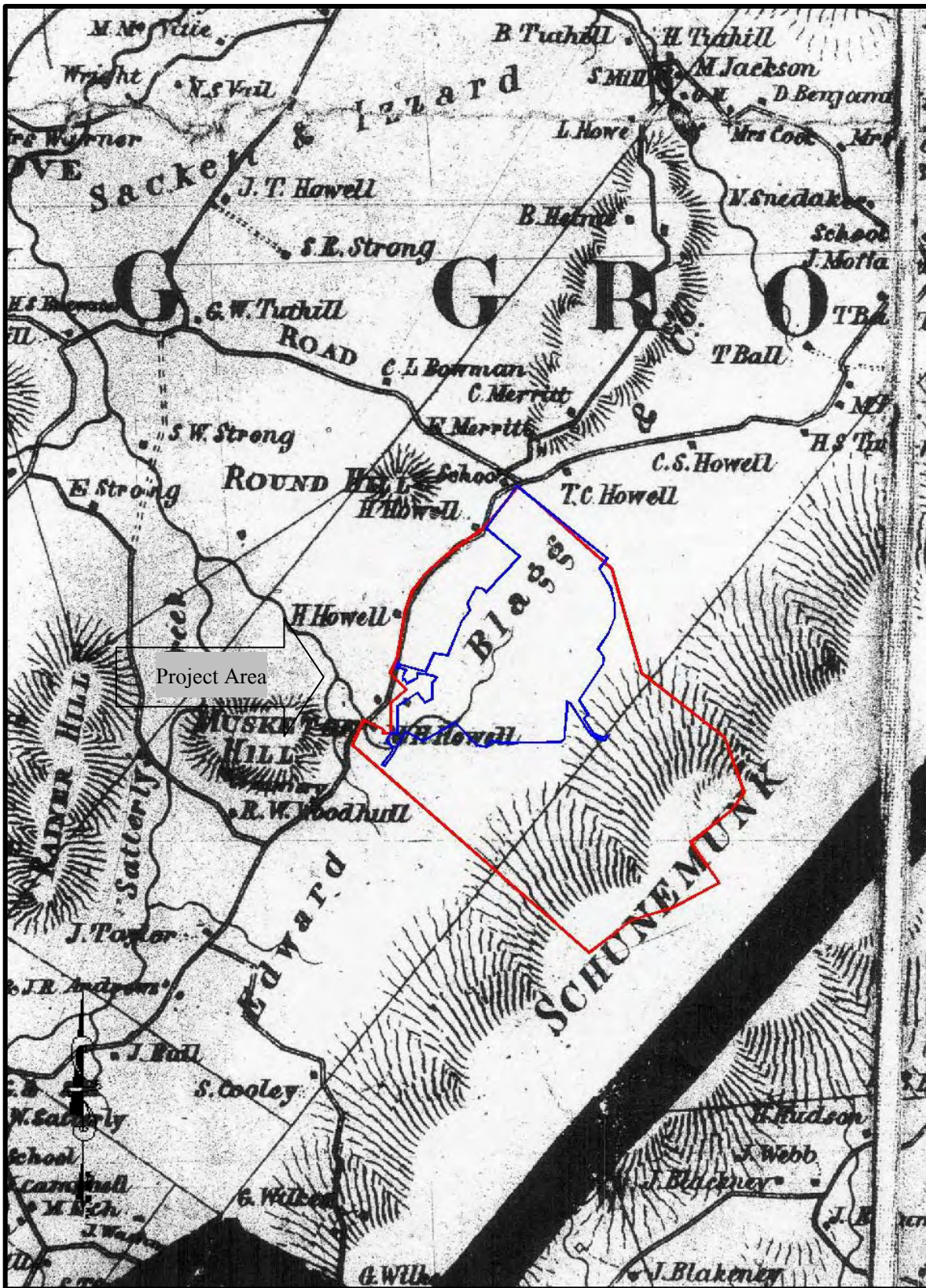
Map 3: Map of Land Patents from Original Surveys by Simeon De Witt. c.1782-1783. Not to scale.



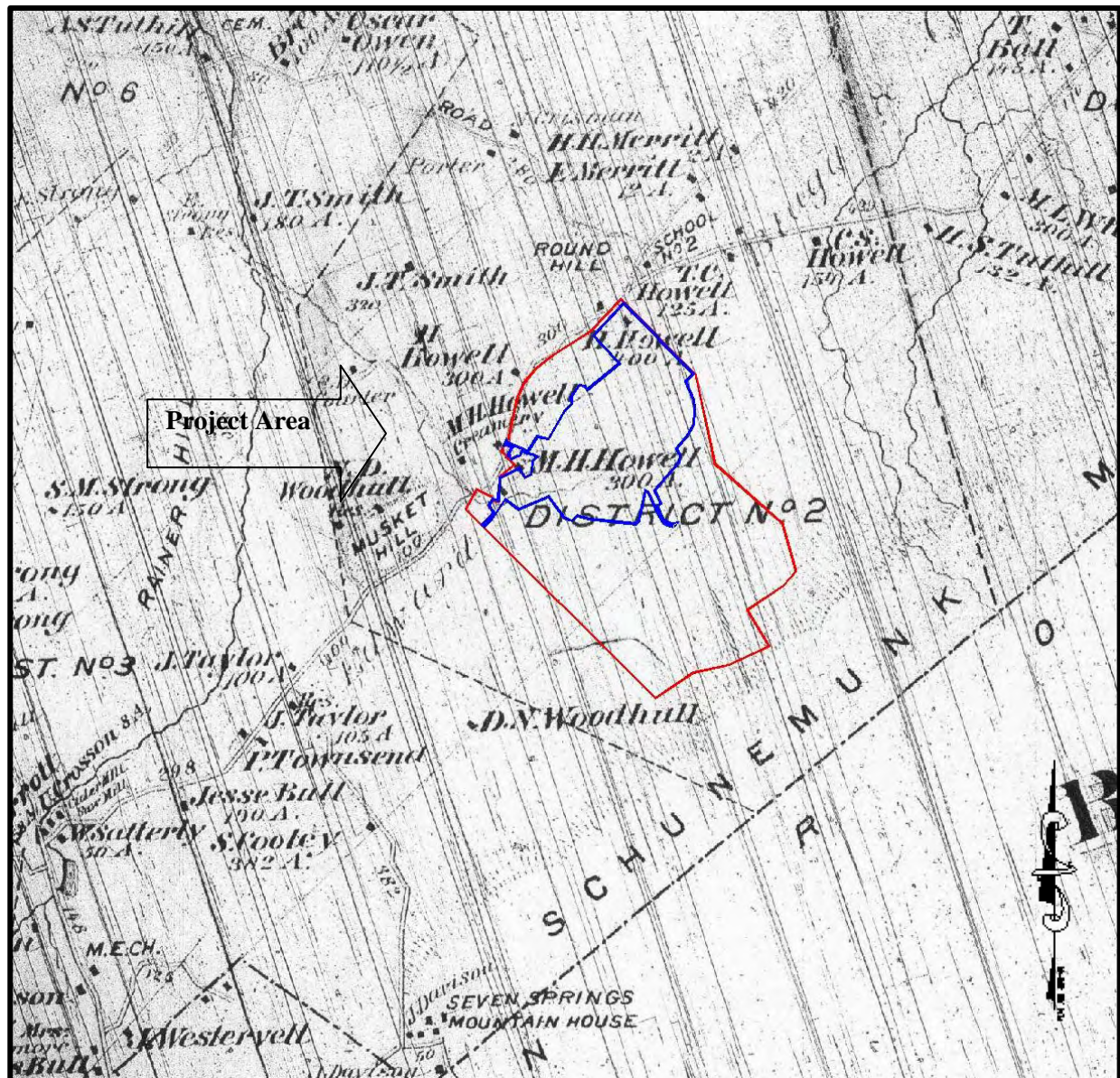
Map 4: 1840 David Burr Atlas of the Counties of Orange and Rockland. Not to scale.



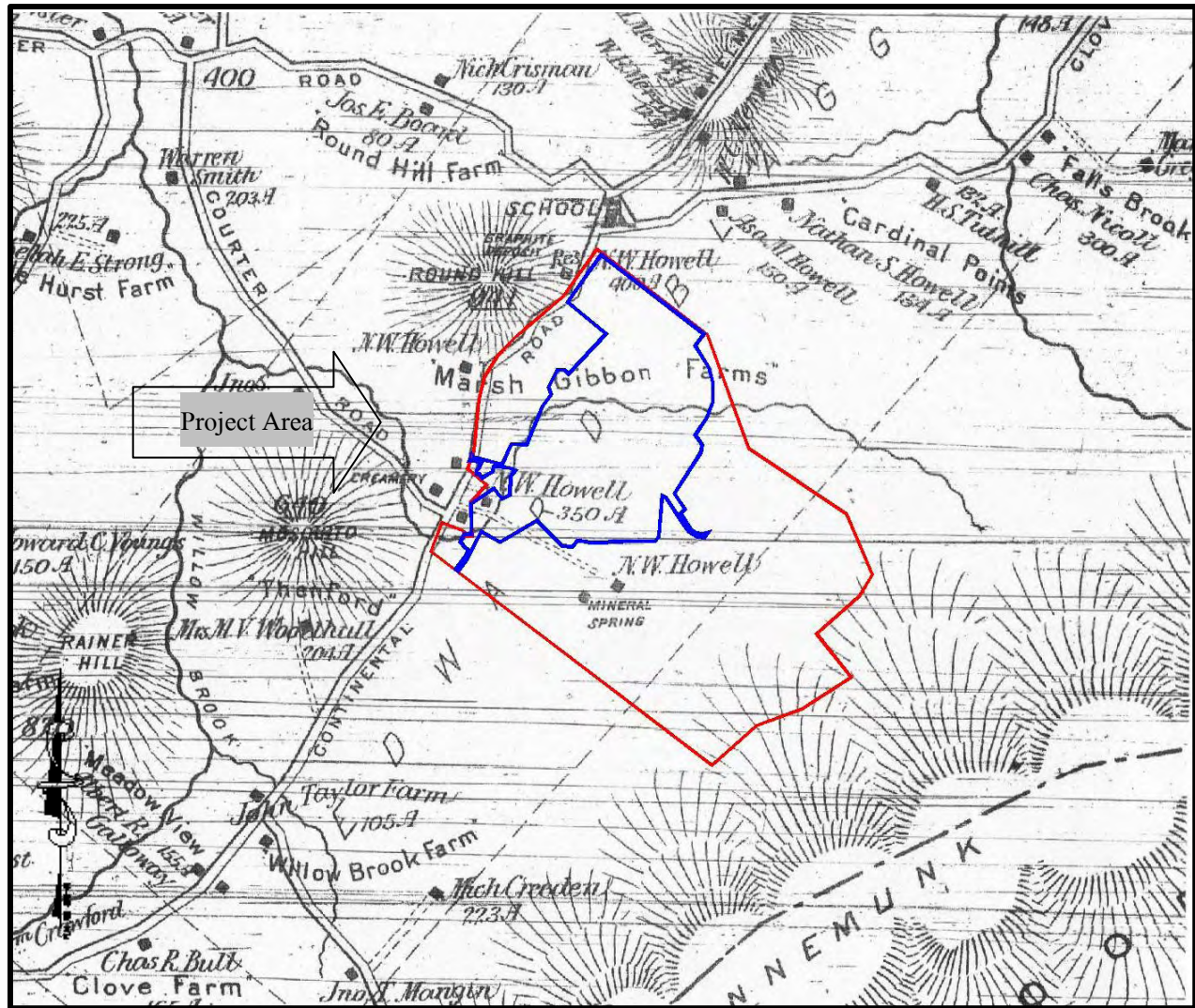
Map 5: J.C. Sidney's 1851 Map of Orange County, New York. Red line indicates Clovewood property. Blue line indicates APE. Scale: 1"=3940'.



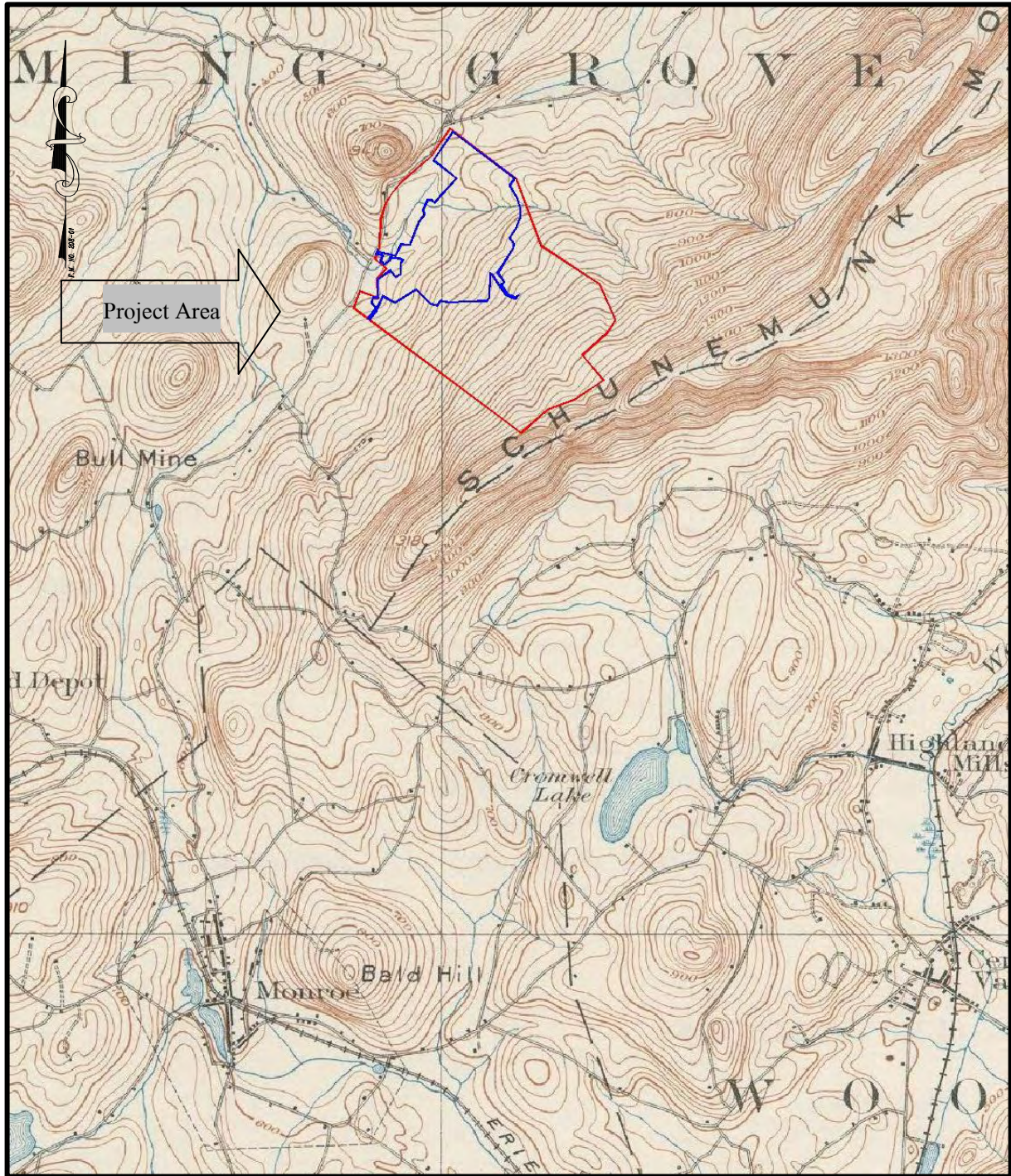
Map 6: 1859 Corey & Bachman *Map of Orange and Rockland Counties, New York*. Red line indicates Clovewood project area. Blue line indicates APE. Scale: 1"=2440'.



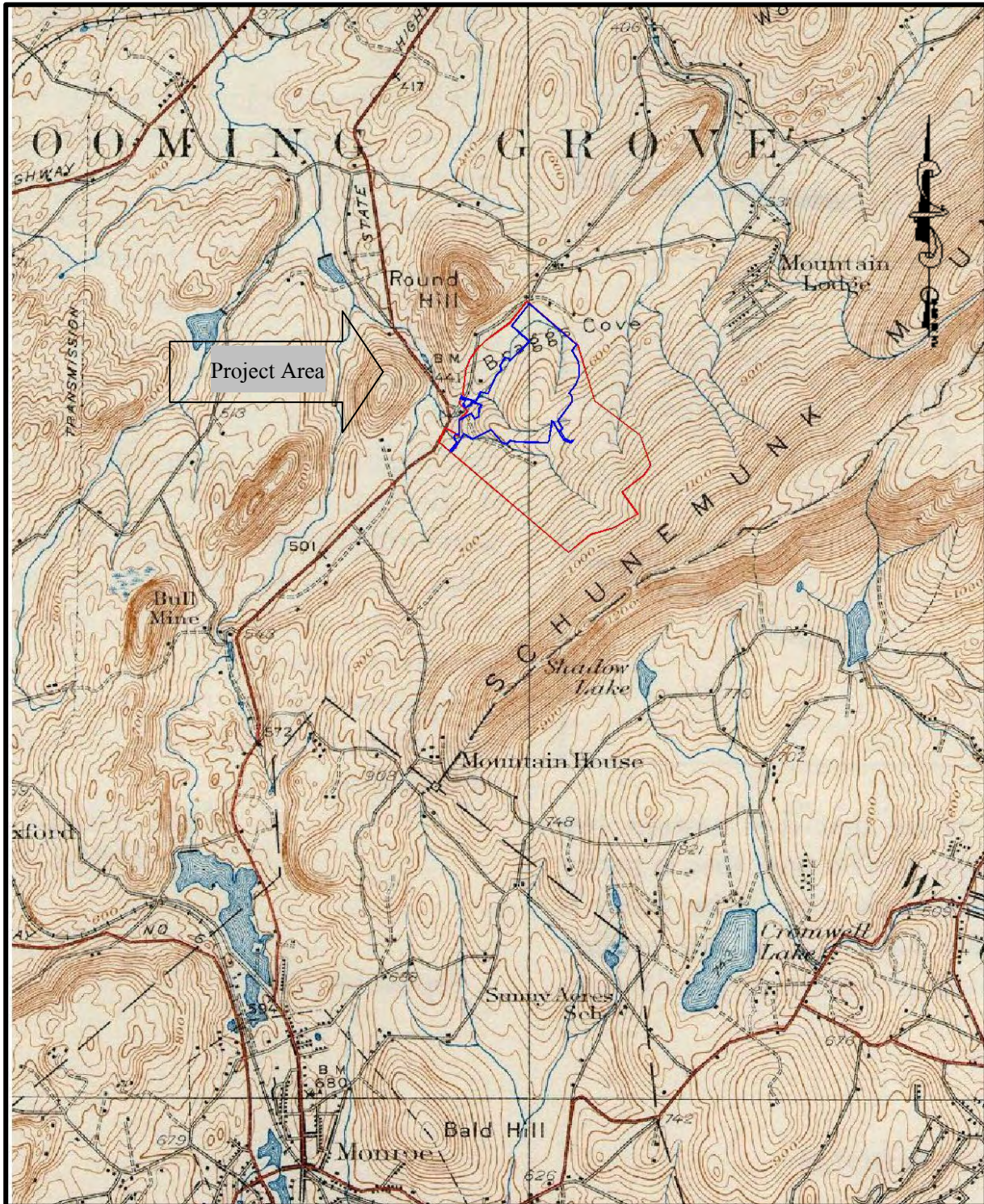
Map 7: 1875 F. W. Beers' *Atlas of Orange County, New York*. Red line indicates Clovewood project area. Blue line indicates APE. Scale: 1"=3300'.



Map 8: 1903 J. M. Lathrop's *Atlas of Orange County, New York*. Red line indicates Clovewood project area. Blue line indicates APE. Scale: 1"=2625'.



Map 9: 1902 USGS Topographical Map. Schunemunk Quadrangle. 15 Minute series. Red line indicates Clovewood project area. Blue line indicates APE. Scale 1"=3795'.



Map 10: 1935 USGS Topographical Map. Schunemunk Quadrangle. 7.5 Minute series. Red line indicates Cloveswood project area. Blue line indicates APE. Scale: 1"=4650'.

APPENDIX B

PHOTOGRAPHS



Photo 1: District School No. 2 located on Clove Road at intersection with Round Hill Road. View to northwest.

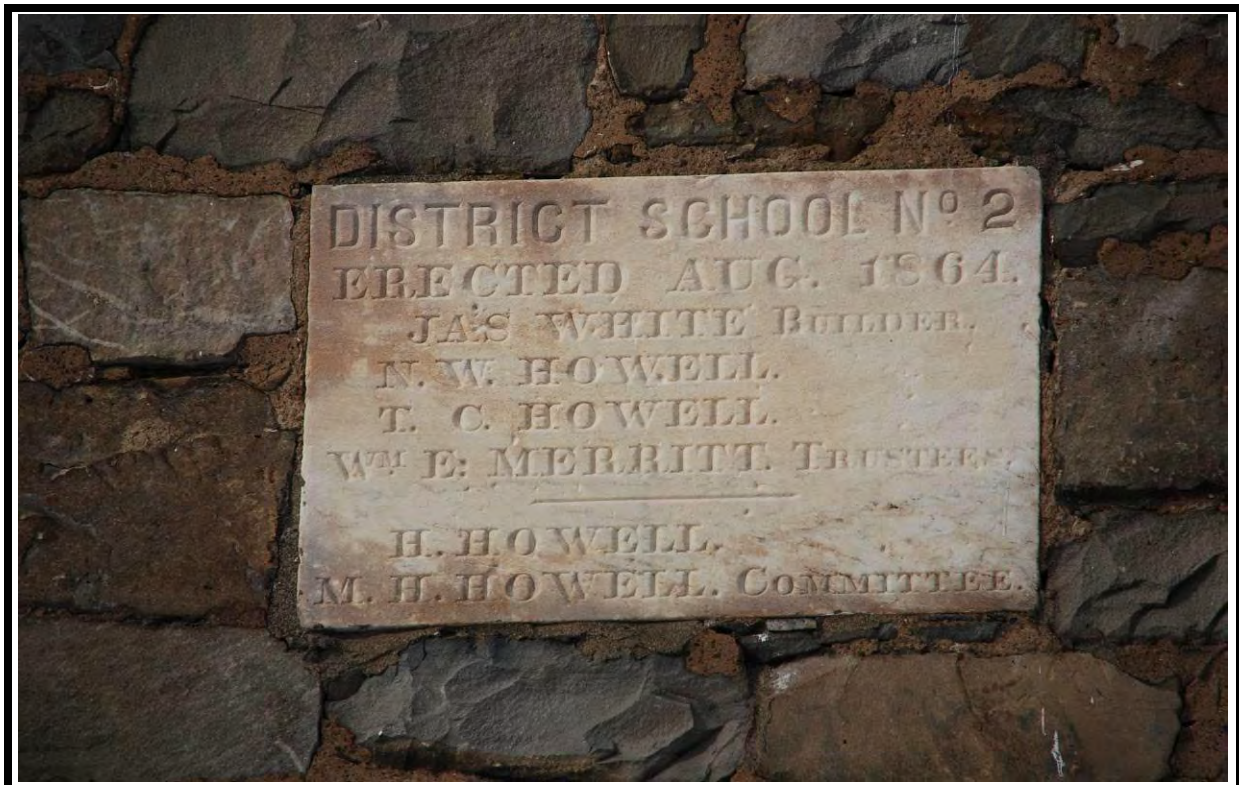


Photo 2: Plaque attached to District School No. 2. School was built in 1864 by James White. School trustees included N. W. Howell, T. C. Howell and W^m. E. Merritt, with H. Howell and M. H... Howell serving on the committee. View to northeast.



Photo 3: Sunoco gas station located on southwest corner of Route 208 and Clove Road. View to north.



Photo 4: Blooming Grove Plaza. Small shopping center located on southeast corner of Route 208 and Clove Road. View to northeast.



Photo 5: 1195 Route 208. Office building located south of Sunoco gas station on Route 208. View to northwest.



Photo 6: 1189 Route 208. Auto repair shop located on north side of Route 208 is set back from highway. View to northwest.



Photo 7: 583 Clove Road. House adjacent to Clovewood site. One of the few old homes on Clove Road, it likely dates to early to mid-19th century. View to southeast.



Photo 8: Buildings located on the east side of Clove Road within Clovewood site include modern dwelling and converted barn. View to northeast.



Photo 9: Buildings located east of dwelling and converted barn. Schunnemunk Mountain in background. View to northeast.



Photo 10: Dwelling located on Clovewood site. Based on its general appearance, the house dates to the 19th century. View to northeast.



Photo 11: Looking southeast across Clovewood site.



Photo 12: Looking southwest along Clove Road from western edge of Clovewood site.



Photo 13: Stone structure located on west side of Clove Road opposite entrance to Clovewood site. Purpose of building is undetermined, but size indicates an outbuilding rather than a dwelling. View to southeast.



Photo 14: One of several buildings on the Clovewood site. View to northeast.



Photo 15: Looking northwest from same location. Several of these buildings may have been recreational facilities.



Photo 16: One example of the "bungalow" type of structure located on east side of Clove Road in the northeastern portion of property. Number on building is 1207. View to northwest.



Photo 17: Another "bungalow" located along southern border of the site. View to northwest.



Photo 18: Looking toward Round Hill from the Clovewood site. View to northeast.



Photo 19: Looking east across project area to Clove Road. Area near road is nearly level and combines areas of Mardin and wetland soils.



Photo 20: Looking to hill area on southern boundary of project area. Although it appears steep, the soil map indicates that much of this area ranges between 8% and 12% slope. View to south.



Photo 21: Stream and a series of wetlands located on Clovewood site. View to northeast.



Photo 22: General view of vegetation along southern edge of Clovewood site. View to southeast.



Photo 23: Stone root cellar/ice house located on Clovewood site. Structure may date to early 20th century. View to northeast.

APPENDIX C

SOIL DESCRIPTION AND MAP



Name	Soil Horizon Depth	Texture/ Inclusions	Slope (Percent)	Drainage	Landform
Alden Silt Loam (Ab)	Surface: 0-9" (0-23 cm) Subsoil: 9-36" (23-90 cm) Substratum: 36-60" (90-152 cm)	Silt Loam Silt Loam Gravelly Fine Sandy Loam	0 to 3%	Very poorly drained	Depressions (Toeslope)
Arnot-Lordstown Complex (ANC) Lordstown	Surface: 0-4" (0-10 cm) Subsoil: 4-15" (10-38 cm) Substratum: 15-19" (28-50) cm Surface: 0-8" (0-20 cm) Subsoil: 8-21" (20-52 cm) Subsoil: 21-37" (52-94 cm) Substratum: 37-41" (94-104) cm	Channery silt loam Very channery silt loam Unweathered bedrock Channery silt loam Channery loam Channery loam Unweathered bedrock	8 to 15%	Somewhat excessively drained Well Drained	Hill, Ridges, Benches
Arnot-Lordstown Complex (ANF)	Surface: 0-4" (0-10 cm) Subsoil: 4-15" (10-38 cm) Substratum: 15-19" (28-50) cm Surface: 0-8" (0-20 cm) Subsoil: 8-21" (20-52 cm) Subsoil: 21-37" (52-94 cm) Substratum: 37-41" (94-104) cm	Channery silt loam Very channery silt loam Unweathered bedrock Channery silt loam Channery loam Channery loam Unweathered bedrock	35 to 50%	Somewhat excessively drained Well Drained	Hill, Ridges, Benches
Canandaigua Silt Loam (Ca)	Surface: 0-9" (0-23 cm) Subsoil: 9-37" (23-94 cm) Subsoil: 37-40" (94-100 cm) Substratum: 40"-60" (100-153 cm)	Silt Loam Silt Loam Silt Loam Gravelly Silt Loam	Less than 2%	Very poorly drained	Depressions (Toeslope)
Erie gravelly silt loam (ErA)	Surface: 0-10" (0-25.4 cm) Subsoil: 10-46" (25-116.8 cm) Substratum: 56-70" (142-177.8 cm)	Silt Loam Silt Loam Channery Silt Loam	0 to 3%	Somewhat poorly drained	Dumlinoid ridges, Hills & Till plains (Footslope, summit)

Name	Soil Horizon Depth	Texture/ Inclusions	Slope (Percent)	Drainage	Landform
Erie gravelly silt loam (ErB)	Surface: 0-9" (0-23 cm) Subsoil: 9-18" (23-45 cm) Subsoil: 18-54" (45-135) Substratum: 54-70" (135-175 cm)	Gravelly Silt Loam Channery Silt Loam Channery Silt Loam Channery Silt Loam	3 to 8%	Somewhat poorly drained	Dumlinoid ridges, Hills & Till plains (Foothslopes, summit)
Hollis soils (HLC)	Surface: 0-3" (0-8 cm) Subsoil: 3-8" (8-20 cm) Subsoil: 8-18" (20-45) Substratum: 18-22" (45-55 cm)	Highly decomp. plant material Gravelly loam Gravelly loam Unweathered bedrock	8 to 5%	Well Drained	Hill, Ridges
Hollis soils (HLD)	Surface: 0-3" (0-8 cm) Subsoil: 3-8" (8-20 cm) Subsoil: 8-18" (20-45) Substratum: 18-22" (45-55 cm)	Highly decomp. plant material Gravelly loam Gravelly loam Unweathered bedrock	15 to 25%	Well Drained	Hill, Ridges
Hoosic gravelly sandy loam (HOC)	Surface: 0-5" (0-8 cm) Subsoil: 5-25" (8-20 cm) Substratum: 25-60" (20-45)	Gravelly sandy loam Very gravelly sandy loam Very gravelly sand	8 to 15%	Somewhat excessively drained	Outwash plains, deltas, terraces
Mardin Gravelly Silt Loam (MdB)	Surface: 0-10" (0-25 cm) Subsoil: 10-21" (25-53 cm) Substratum: 21-46" (53-115 cm) Terminus: 46-60" (115-150 cm)	Gravelly Silt Loam Gravelly Silt Loam Gravelly Loam Gravelly Loam	3 to 8%	Moderately Well Drained	Drumlinoid Ridges, Hills, Till Plains (Summit)
Mardin gravelly silt loam (MdC)	Surface: 0-7" (0-18 cm) Subsoil: 7-18" (18-45 cm) Fragipan: 14-26" (35-65 cm) Substratum: 18- 60" (45-152 cm)	Gravelly Silt Loam Gravelly Silt Loam Channery Silt Loam	8 to 15%	Moderately well drained	Drumlinoid ridges, Hill & Till Plains (Summit)

Name	Soil Horizon Depth	Texture/ Inclusions	Slope (Percent)	Drainage	Landform
Mardin gravelly silt loam (MdD)	Surface: 0-7" (0-18 cm) Subsoil: 7-18" (18-45 cm) Fragipan: 14-26" (35-65 cm) Substratum: 18- 60" (45-152 cm)	Gravelly Silt Loam Gravelly Silt Loam Channery Silt Loam	15 to 25%	Moderately well drained	Drumlinoid ridges, Hill & Till Plains (Summit)
Raynham silt loam (Ra)	Surface: 0-8" (20.3 cm) Subsurface: 8-18" (45.7 cm) Substratum: 26"-60" (66-152.4 cm)	Silt Loam Silt Loam Silt Loam	Nearly level	Poorly drained	Glacial lake laid deposits
Rock outcrop-Hollis Complex (ROD)	Surface: 0-8" (0-20 cm) Subsoil: 8-13" (20-33 cm) Substratum: 13-22" (33-55 cm)	Gravelly loam Gravelly loam Unweathered bedrock	15 to 25%	Somewhat excessively drained	Hill, Ridges
Rock outcrop-Nassau Complex (RSD)	Surface: 0-10" (0-25 cm) Subsurface: 8-18" (25-45 cm) Substratum: 18-22" (45-55 cm)	Channery silt loam Very channery silt loam Unweathered bedrock	15 to 25%	Somewhat excessively drained	Hill, Ridges
Swartwood Gravelly Loam (SwB)	Surface: 0-1" (0-2.5 cm) Subsoil: 1-26" (2.5-65 cm) Substratum: 26-60" (65-150 cm)	Gravelly Loam Gravelly Loam Gravelly Sandy Loam	3 to 8%	Well Drained	Hill and Till plains (Summit)
Swartwood Gravelly Loam (SwC)	Surface: 0-1" (0-2.5 cm) Subsoil: 1-26" (2.5-65 cm) Substratum: 26-60" (65-150 cm)	Gravelly Loam Gravelly Loam Gravelly Sandy Loam	8 to 15%	Well Drained	Hill and Till plains (Shoulder)
Swartwood and Mardin very stony soils (SXC)	Surface: 0-3" (0-8 cm) Subsoil: 3-31" (8-78 cm) Substratum: 31-60" (78-150 cm)	Gravelly loam Gravelly fine sandy loam Gravelly fine sandy loam	8 to 15%	Well Drained	Hill and Till plains (Shoulder)
Udorthents, smoothed (UH)	Surface: 0-4" (0-10 cm) Substratum: 4-70" (10-170 cm)	Channery loam Very gravelly sandy loam	0 to 8%	Moderately well drained	Made: cut and fill deposits

Name	Soil Horizon Depth	Texture/ Inclusions	Slope (Percent)	Drainage	Landform
Unadilla silt loam (UnB)	Surface: 0-8" (0-20 cm) Subsurface: 8-44" (22-110 cm) Substratum: 44-60" (110-150 cm)	Silt loam Silt loam Stratified very gravelly sand	3 to 8%	Well Drained	Lake Plains

APPENDIX D

**QUALIFICATIONS & RESUMES
OF CITY/SCAPE PERSONNEL**

CITY/SCAPE: Cultural Resource Consultants
Cultural Resource Investigations
Archaeological Services



Qualifications



Contact

Office

166 Hillair Circle
White Plains New York 10605
914-328-3032
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www.cityscapecrm.com

Gail Travis Guillet

Sole Proprietor
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914-328-3032 Office

Stephanie Roberg-Lopez

Principal Investigator
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845-868-7701
845-702-0869 Mobile

Beth Selig

Field Director/Staff Archaeologist
Bethane@optonline.com
914-456-3698 Mobile

About CITY/SCAPE:

CITY/SCAPE: Cultural Resource Consultants was founded two decades ago to provide a variety of services to organizations requiring cultural and environmental analyses, open space planning, preservation surveys of historic sites, including landscapes and architectural elements, lectures, interpretive programs and exhibitions.

Our professional staff has successfully prepared environmental impact analyses, cultural resource studies, archaeological investigations, data recovery programs, and archeological research for a number of projects in the Tri-State area.

CITY/SCAPE specializes in assisting landowners, developers, planners, engineers, and attorneys in the cultural resource management process. Regular contact with the Office of Parks, Recreation and Historic Preservation ensures that all projects meet the requirements and guidelines set forth by the agency. On projects involving other reviewing agencies, we work closely with agency contacts to ensure that all project requirements are met.

CITY/SCAPE: Cultural Resource Consultants is listed with the New York Archaeological Council (NYAC), New York State Archaeological Association (NYSAA) and Register of Professional Archaeologists (RPA).

CITY/SCAPE: Cultural Resource Consultants works closely with the New York State Office of Parks, Recreation and Historic Preservation (NYS OPRHP), the Bureau of Historic Preservation (BHP) of the Pennsylvania Historical and Museum Commission (PHMC), the State Historic Preservation Officer of Connecticut, and the New York City Landmark Preservation Commission (LPC).

CITY/SCAPE: Cultural Resource Consultants is fully insured.

Disciplines and Specializations

The following list presents the types of projects that **CITY/SCAPE's** expertise and experienced personnel are qualified to complete.

Archaeological Services

- ◆ Assessment of Archaeological Potential
- ◆ Archaeological Site Research & Documentation
- ◆ Cultural Resource Studies (Phase 1A & Phase 1B)
- ◆ Department of Transportation Rehabilitation Projects
- ◆ Phase 2 Archaeological Investigations
- ◆ Phase 3 Data Recovery Mitigation
- ◆ Quarry Assessment and Investigation
- ◆ Remediation of Human Remains
- ◆ Cell Tower Location Investigation (FCC-0422)
- ◆ Environmental Impact Analyses

National Register Eligibility Determination

- ◆ Historic American Building Survey (HABS)
- ◆ Site Building Assessment
- ◆ Historic Preservation
- ◆ Cartographic/Historic Research

Project Management

- ◆ Cultural Resource Avoidance Plans
- ◆ Guidance with Reviewing Agencies (Local, State & National)
- ◆ Data Recovery Strategies and Mitigation Plans
- ◆ Curation of Cultural Materials

CITY/SCAPE Personnel

Gail T. Guillet

Gail T. Guillet is CITY/SCAPE's Sole Proprietor. She is responsible for the daily operations of the company. In addition, Gail oversees all of the project reporting and is the liaison with project sponsors and reviewing agencies.

Gail has been in the field of Cultural Resource Management for more than 35 years. During this time, she has worked on many projects including architectural and historical building assessments, historic mines and quarries, 19th century industrial sites, site background and cultural research, and all phases of archaeological investigations.

Gail received a degree in European History from Wheaton College, and studied at the graduate level and New York and Columbia University. She has completed studies in Anthropology and Historic Preservation. Prior to beginning her own company, Gail was the Director of the Olmsted Project for the New York City Landmarks Commission.

Stephanie Roberg-Lopez

Stephanie Roberg-Lopez serves as the Principal Investigator for CITY/SCAPE. In this role she oversees the operation of all field investigations and the development of all project reports.

Stephanie is a Registered Professional Archaeologist (RPA) and a member of the Executive Board of the New York Archaeological Council. Stephanie has been in the field of Cultural Resource Management for more than 30 years. During this time, she has worked on many projects including historic mines and quarries, 19th century industrial sites, multi-component and single component prehistoric sites, and Native American Burial sites.

Stephanie received her Masters of Arts in Archaeology from Yale University, and her undergraduate degree from Barnard College at Columbia University. Currently a Professor at Dutchess County Community College, a member of the State University of New York. Stephanie was the recipient of the Chancellor's Award for Teaching Excellence in 2010.

Beth Selig

Beth Selig serves as the Field Director with CITY/SCAPE. In this position, she oversees the on-site operations for all archaeological projects. In addition she is responsible for all post excavation processing, which includes artifact processing and analysis, CAD mapping, and the development of reports for all projects.

Beth has a Master's in Liberal Studies from Empire State University, where her research focused on 19th century cultural history. She received her undergraduate degree in Anthropology from the University at Albany. Beth also completed certificate level training in Auto CAD drafting.

Beth has worked in the field of Cultural Resource Management for 15 years. During this time she has worked on projects including cultural assessments, field investigations and reconnaissance, historical structure and site assessment and all phases of archaeological investigations.

CITY/SCAPE Personnel Curriculum Vitae



Gail Travis Guillet

Experience

Jan. 1982 CITY/SCAPE: Cultural Resource Consultants
to present 166 Hillair Circle, White Plains, New York 10605

Principal (Sole Proprietor) of CITY/SCAPE, a firm that provides a variety of services to organizations requiring cultural and environmental analyses, open space planning, preservation surveys of historic sites, including landscapes and architectural elements, lectures, interpretive programs and exhibitions.

Sept. 1978- Director, Olmsted Project
Dec. 1981 NYC Landmarks Preservation Commission

Director of Olmsted Project -- exhibition "Art of the Olmsted Landscape," premiered at The Metropolitan Museum of Art, Fall 1981.

Education

New York University, New York, New York. 2000-2002
Ph.D. level course work in Anthropology Department.

Columbia University, Graduate School of Architecture and Planning, NY. Historic Preservation Program. 1974-1978.

New York University, New York, NY. 1968-70. Course work completed for Ph.D. Medieval and Renaissance History.

University of Rochester, Rochester, NY. 1965-68. Ph.D. Program, European History. Partial completion of Ph.D. course work. Transferred to NYU.

Wheaton College, Norton, MA 1957-61. B.A. European History. Minor: Biology. Dean's List, 1958-61. Honor's Program



Stephanie Roberg-Lopez, M.A., R.P.A.

Professional Associations

Register of Professional Archaeologists since 1992
Executive Board Member, New York Archaeological Council
Member New York State Archaeological Association
Member American Institute of Archaeology

Professional History

1990 to present	Principal Investigator: CITY/SCAPE: Cultural Resource Consultants 166 Hillair Circle, White Plains, NY 10605 Provide archaeological oversight for environmental impact analyses, cultural resource studies (Phases 1A and 1B), Phase 2 Cultural Resource Studies and Phase 3 Data Recovery Investigations.
1993 to present	Professor of Anthropology/Archaeology Department of Behavioral Sciences. Dutchess Community College Poughkeepsie, NY.
1982 to 1996	Lecturer in Archaeology Northwestern Connecticut Community College Winsted, CT.
1994 to 1996	Lecturer in Anthropology and Latin American Studies SUNY New Paltz, New Paltz, NY.
1995 to 1996	Lecturer in Anthropology and Archaeology Marist College, Poughkeepsie, NY.
1997 to 2010	Vice President, Society for Anthropology Community Colleges Field Research conducted in Europe, North America & South America

Education

Yale University, New Haven, CT, Masters in Archaeology with Honors. 1989

Barnard College, Columbia University, New York, NY Bachelors in Anthropology and Archaeology. Phi Beta Kappa. Magna Cum Laude. 1974

University of London, Archaeological Field School, Wharram Percy, Yorkshire England. 1973

Pushkin Institute of Foreign Languages, Language Certificate, Moscow, USSR. 1975



Beth Selig, M.A., R.P.A.

Professional Associations

Register of Professional Archaeologists since 2013
Society for Historical Archaeology
Dutchess County Historical Society

Professional History

2005 to present	Project Archaeologist: CITY/SCAPE: Cultural Resource Consultants 166 Hillair Circle, White Plains, NY 10605 Provide support for post excavation processing (artifact analysis, mapping, documentary & cartographic research) for cultural resource studies (Phases 1A and 1B), Phase 2 Cultural Resource Studies and Phase 3 Data Recovery Investigations.
2003 to 2005	Field/Laboratory Technician: John Milner Associates Croton on Hudson New York
1998 to 2003	Field/Laboratory Technician: CITY/SCAPE: Cultural Resource Consultants 166 Hillair Circle, White Plains, NY 10605

Education

Empire State College, (SUNY) New York, NY, Masters of Arts in Liberal Studies . 2012

Dutchess County BOCES AUTO CAD Certificate, 2009

University at Albany, (SUNY) Albany, New York, NY Bachelors in Anthropology and Archaeology. **Dean's List**. Cum Laude. 2002

Professional Certifications

2002	Hazwoper- 40 Hour Training
2011	CPR for the Professional Rescuer



Draft Environmental Impact Statement

B-2 Phase 1B Cultural Resources Survey



P.O. Box 2020, Monroe New York 10949
Tel: (845) 774 · 8000 | cpcnynj@gmail.com

Phase 1B Archaeological Field Reconnaissance Survey

Clovewood Site

Village of South Blooming Grove,
Orange County, New York

Prepared for:

Simon Gelb
CPC
PO Box 2020
Monroe NY 10949



HUDSON VALLEY
Cultural Resource Consultants, Ltd.
3 Lyons Drive Poughkeepsie, NY 12601

September 2016
Rev. November 2016

Management Summary

SHPO Project Review Number (if available):

Involved State and Federal Agencies: NYS DEC, SEQR

Phase of Survey: **Phase 1B Archaeological Field Reconnaissance Survey**

Location Information:

Location: **NYS Route 208 & County Route 27 (Clove Road)**

Minor Civil Division: **Village of South Blooming Grove**

County: **Orange**

Survey Area (Metric & English)

Length: **9578' / 2920 m**

Width: **4404' / 1342.6 m**

Depth (when appropriate):

Number of Acres Surveyed: **±269.2 acres (108.9 hectares) APE Only**

Number of Square Meters & Feet Excavated (Phase II, Phase III only): **N/A**

Percentage of the Site Excavated (Phase II, Phase III only):

USGS 7.5 Minute Quadrangle Map: **Maybrook & Monroe 2013**

Archaeological Survey Overview

Number & Interval of Shovel Tests: **1051 stps @ 50' & 100' intervals**

Number & Size of Units: **N/A**

Width of Plowed Strips: **N/A**

Surface Survey Transect Interval: **N/A**

Results of Archaeological Survey

Number & name of prehistoric sites identified: **1: Schunemuck Prehistoric Site (Outside of APE)**

Number & name of historic sites identified: **2: N.W. Howell House, & M.H. Howell Farm Complex (Outside of APE)**

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

Results of Architectural Survey

Number of buildings/structures/cemeteries within project area: **residences, associated with former Lake Anne Country Club, H. Howell House, & N.W. Howell house**

Number of buildings/structures/cemeteries adjacent to project area: **1: Round Hill Cemetery (Outside of APE)**

Number of previously determined NR listed or eligible buildings/structures/cemeteries/districts: **0**

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

Report Author (s): **Beth Selig, MA, RPA. Stephanie Roberg-Lopez MA, RPA**

Date of Report: **September 2016, revised November 2016.**

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I.Phase 1B Archaeological Field Reconnaissance Survey

A: Introduction and Project Area Description

In June and July of 2016, Hudson Valley Cultural Resource Consultants (HVCRC) completed a Phase 1B Field Reconnaissance Survey of the Clovewood Site (Section 208 Block 1 Lot 2, Section 208 Block 1 Lot 3) in the Village of South Blooming Grove, Orange County New York. The property is located on the east side of NYS Route 208 and County Route 27 (a.k.a. Clove Road). The Area of Potential Effect (APE) for the Archaeological Survey totals 269.2 acres (108.9 hectares) within a larger property of approximately 708.2 acres (286.6 hectares).

Archaeological fieldwork was supervised by Stephanie Roberg-Lopez, MA, RPA. The field supervisor was Dylan Lewis. Field technicians included Frank Spada, Joe Federico, Matt Chmura, and Ned Tassinari. The final report was completed by Stephanie Roberg-Lopez, and Beth Selig MA, RPA. Site photography was completed by Dylan Lewis, Stephanie Roberg-Lopez and Beth Selig. The shovel test records and the field reconnaissance map were completed by Deb Ackerman and Beth Selig. Conditions on the site during the Phase 1B excavation were normally sunny and hot. Work was abandoned on a number of days, when dangerous thunder and lightning storms moved into the area.

All work was completed in accordance with the Standards for Cultural Resource Investigations and the Curation of Archeological Collections published by the New York Archeological Council (NYAC) and recommended for use by New York State Office of Parks, Recreation and Historic Preservation (OPRHP). The report complies with New York State ORPHP's Phase 1 Archaeological Report Format Requirements, established in 2005. The Phase 1B investigations were completed as requested by ORPHP in letters dated July 29th 2015, and October 29th 2016 (Appendix E).

The landscape within the delineated Area of Potential Effect (APE) is a mosaic of abandoned buildings associated with the former Lake Anne Country Club and an overgrown 18-hole golf course. The balance of the property can be characterized as recent growth forest, a dense undergrowth of catbrier and other opportunistic plant species, steep slopes and intermittent small streams. A wetland area is located to the east of Clove Road outside of the western boundary of the APE. The property is crisscrossed by a network of roads that are paved with black geotextile overlain with shot rock.

In the northeastern portion of the APE, there is a series of abandoned structures associated with the former country club that include a Quonset-hut style club house/restaurant that is in dilapidated condition. To the northwest of this structure is a group of apartment/hotel buildings, currently abandoned and significantly deteriorated. To the northeast of the Quonset hut is a three story structure built on a field stone foundation. This building is the location of the H. Howell residence shown on the 1875 historic map (Appendix B). The structure, currently in a state of extreme disrepair, was modernized in the past, and attached to the Quonset hut structure.

Entry to the site is along a partially blacktopped driveway located in the northwestern portion of the APE. The asphalt driveway provides access to a large parking area and a late 20th century structure that is currently occupied. To the north of this residence and the deteriorated apartment buildings is a small neighborhood of cottage style residences. These structures date to the late 1960's and are currently uninhabited. Subsurface and aboveground infrastructure are evident throughout this residential area.

In addition to the structures located in the former Lake Anne County Club complex, in the northwestern portion of the APE, (See The Architectural Report), there is a single map documented structure (MDS) located within the southeastern portion of the APE. This house, currently in a state of extreme disrepair, was documented on the historic 1903 map.

Adjacent to the southwestern boundary of the APE are the ruins of a complex of stone foundations. These ruins, discussed in detail later in the report, are located outside of the boundaries of the APE in the location of the Map Documented M.H. Howell residence (1875 Beers Map, Appendix B).

The Round Hill Cemetery, also identified as the Howell family cemetery, is located on a knoll adjacent to a wetland area outside of the western boundary of the Clovewood Property. This cemetery is listed as tax parcel 208-1-1 and is owned by Round

In the northern portion of the project area, adjacent to the existing wetland boundary a small stone spring house has been built into the side of the hill. This feature has a keystone dated “1941.” This feature is also located outside the boundaries of the APE.

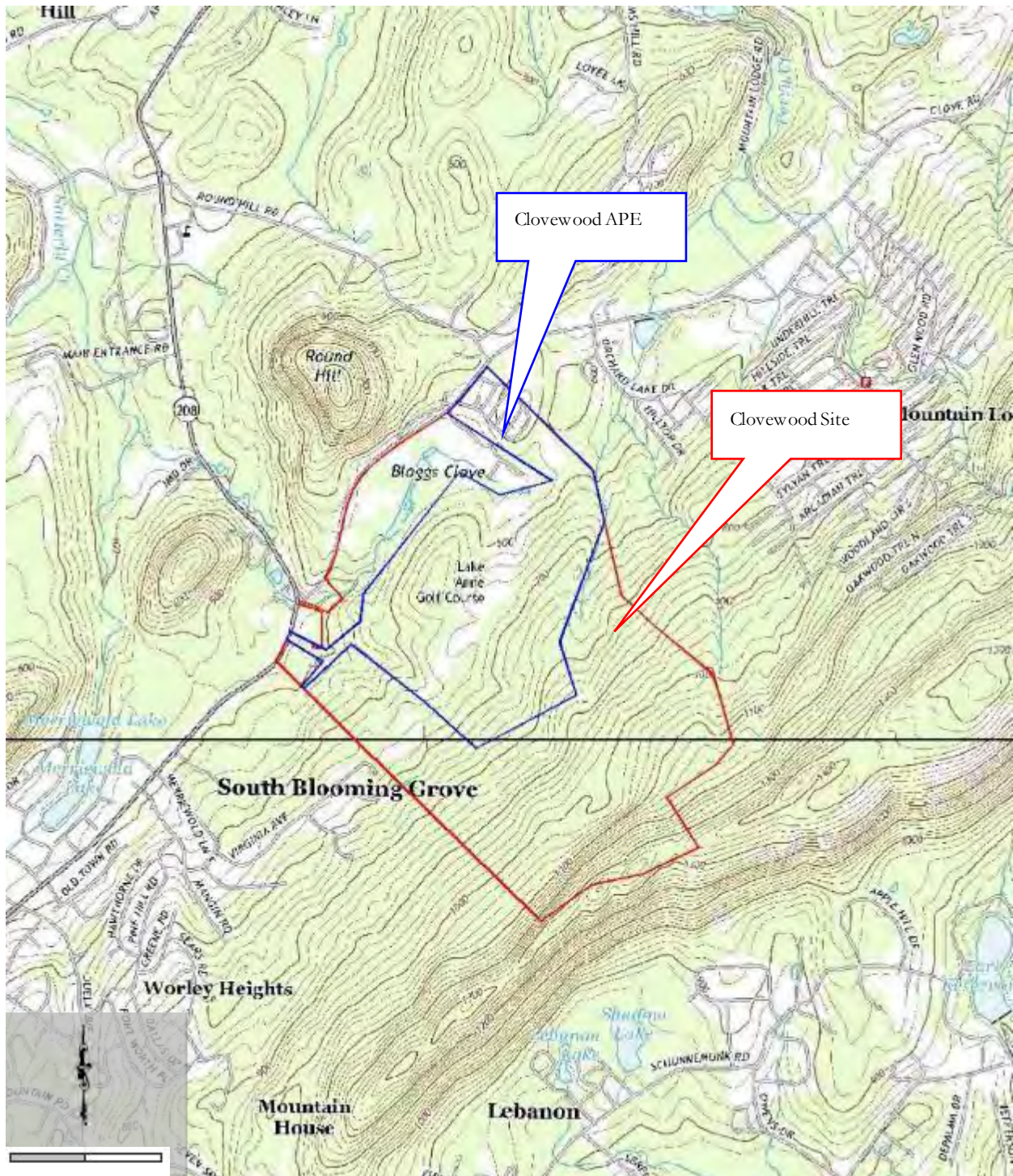


Figure 1: Detail of the 2014 USGS Topographical Map. Maybrook & Monroe Quadrangles. 7.5 Minute Series. (Source: USGS.gov.) Scale: 1"=1480.'



Figure 2: 2016 Aerial image of the project area. (Source: Google Earth.) Scale: 1"=1060.'

This aerial image, dated April 2016, shows the existing conditions of the Clovewood Site (red line) and the proposed APE (blue line). The former golf course is located in the central portion of the APE, and the existing network of roads can be seen throughout the APE.

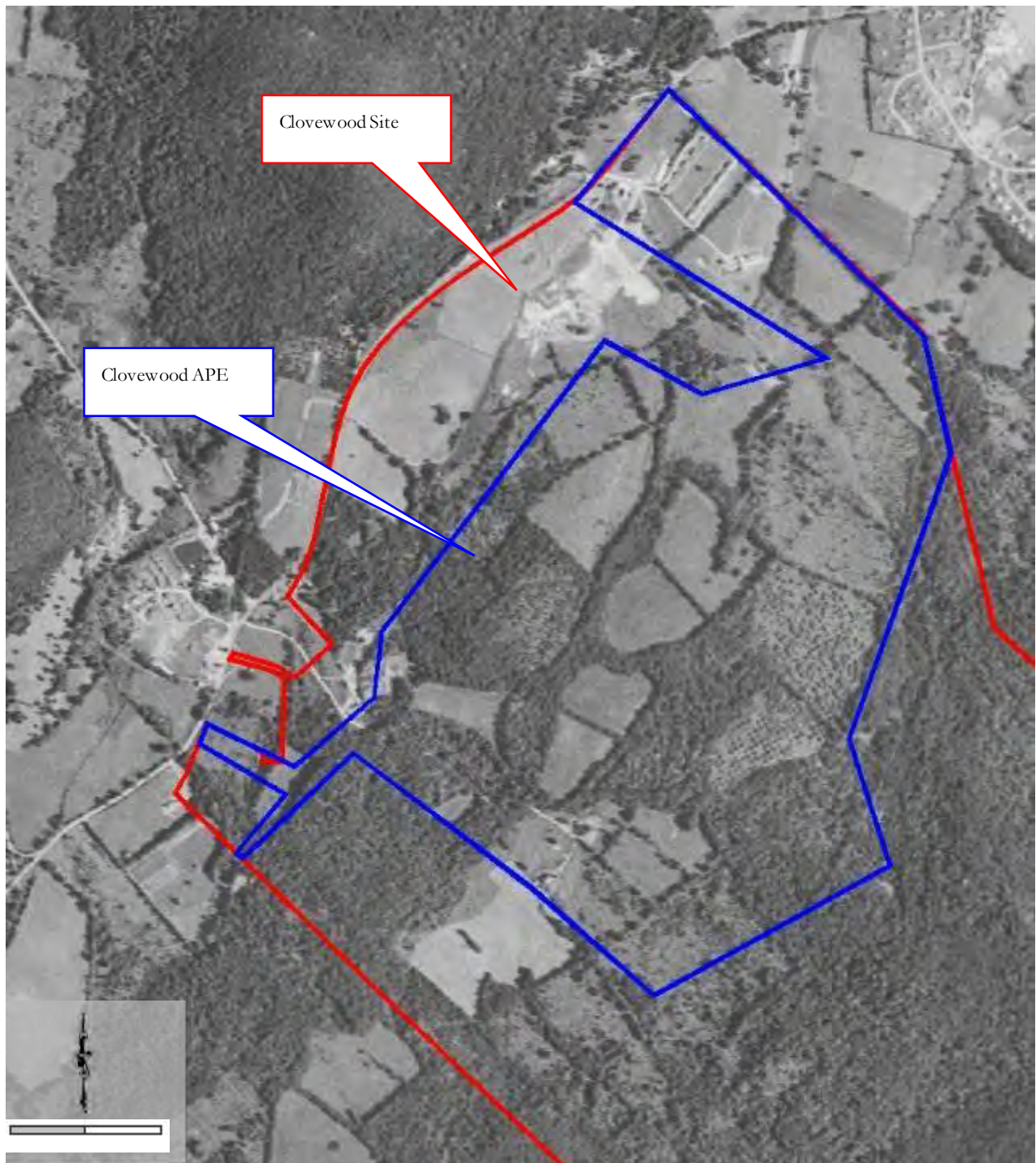


Figure 3: 1958 Aerial image of the project area. (Source: Google Earth.) Scale: 1"=780.'

This 1958 aerial image depicts the existing conditions of the property (red line) and the APE (blue line). In this image the construction on the Country Club and Golf Course has just begun. The landscape around the H. Howell House in the Lake Anne Complex appears to have been significantly disturbed. The wetlands located in the northwestern portion of the site have not been constructed and this area is shown as agricultural fields. The eastern and southeastern portions of the APE are orchards at this time.

B: Proposed Development

The project sponsor proposes to construct a residential development of 600 single family homes on approximately 142 acres, leaving large areas of open space within the APE. The associated infrastructure for the development will include roads, utilities, on site water supply, a sewage treatment plant, storm water and erosion control systems and community recreational facilities. An additional 22 acres in the center of the site are being reserved for future development but were tested as part of the Phase 1B investigations of the Clovewood Property.

C: Archaeological Survey Methodology

In June and July of 2016, HVCRC conducted an initial walkover of the Clovewood Site property and APE to assess the existing conditions in the Area of Potential Effect (APE). Areas selected for subsurface testing were identified and areas of disturbance, slope and wetland were eliminated from testing. These areas have been recorded on the Field Reconnaissance Map, included in Appendix C.

Results of a Phase 1A Literature Review and Sensitivity Analysis completed by CITY/SCAPE: Cultural Resource Consultants in July of 2015 confirmed that the site is located in an area of prehistoric activity. In addition, the landscape closely conforms to an ecological model that indicates that the level, undisturbed portions of the project area are moderate to highly sensitive for prehistoric cultural materials. The testing strategy for the site was structured around the knowledge that portions of the property possess the potential to yield historic and prehistoric cultural remains.

The field methodology employed within the Clovewood APE consisted of several stages of investigation. These included:

- A walkover and visual inspection of the site to assess areas of potential sensitivity for prehistoric and historic cultural remains, as well as locate and identify map documented structures.
- Systematic visual inspection of slopes and rock faces to rule out the presence of rock shelters and veins or deposits of cryptocrystalline rock suitable for raw material for making stone tools.
- Shovel testing in the areas identified as having potential sensitivity for prehistoric or historic remains.
- Photographic documentation of the overall site.

Shovel tests pits (STPs) measured approximately 45 cm in diameter and were spaced along Transects (TR) at 50' (15.2m) and 100' (30.4m) intervals. The larger intervals were utilized in areas such as the now abandoned Lake Annee golf course to demonstrate and delineate the profound subsurface disturbance. Shovel tests were normally excavated to a minimum of four inches (10 cm) into sterile subsoil, unless impeded by rocks or other obstructions. All excavated soils were passed through one-quarter-inch hardware cloth. Shovel test profiles were recorded on standard field forms that included stratigraphic levels, Munsell soil color, texture and inclusions, evidence of disturbance and any artifacts recovered. The locations of all STPs were recorded on a base map of the Project APE. The excavations and existing conditions across the Project Area were photographed. Items recovered from the screens were assigned to the stratum from which they were obtained. Had cultural materials been recovered they would have been bagged, labeled, and returned to the laboratory for processing.

D: Archaeological Survey Results

Once a testing strategy had been established and areas unsuitable for testing were eliminated from the survey, and potentially sensitive areas were systematically shovel tested. The areas subjected to shovel testing represent the undisturbed, level and well drained areas within the project area. To maintain surface control, the APE was divided into sections A through W. Area HH refers to shovel tests excavated around the historic Howell house in the southwestern corner of the APE. Work commenced in Area A, and generally proceeded counter clockwise throughout the APE, beginning in the northwestern corner. These areas have been demarcated on the Field Reconnaissance Maps (Appendix C). The table below provides details of which transects were completed in the designated areas.

Table 1: Testing Areas and Results for the Clovewood Phase 1B Survey		
Area	Transects (TR) #'s	Shovel Test Pits (STP) #'s
Area A	0-16	0-121
Area B	17-33	122-223
Area C	34-444	224-331
Area D	45-54	332-372
Area E	55-65	373-574
Area F1	66-73	575--718
Area G	74-99	719-881
Area H	100-101	882-899
Area I	102-103	900-928
Area J	104-105	929-948
Area K		
Area L	106	949-952
Area M	107-108	953-966
Area N		
Area O		
Area P	109-110	967-984
Area Q		
Area R		
Area S	111-112	985-994
Area T	113-119	995-1031
Area U		0
Area V	120	1032-1040
Area W	121-122	1041-1051
Area HH	-	5
Total	122	1056

Area A

Testing began in the northeastern portion of the APE. The primary access point into the property is along an asphalt and gravel road that runs along the southern boundary of the decaying Lake Anne county club building complex north of a large wetland area. A modern residential structure, currently occupied, is located near the intersection of Clove Road and the site access driveway. The yard area around this structure, where not covered

by the asphalt parking area is littered with household materials, and is heavily used by dogs and the house occupants. Shovel tests in this area were offset 50' (15.2m) from the house.



Photo 1: Existing structure located adjacent to the western entry way to the project area. View to the north.

In the northern portion of the project area is a derelict housing complex (indicated on local signage as the Lake Anne Cottages). This residential neighborhood is in dilapidated condition, and consists of approximately 50 houses. The housing development appears to be on a flat hilltop that has been graded. There is relatively steep slope on all four sides of the knoll. South of this area are three large communal style buildings, apartments or similar style housing associated with the former Lake Anne County Club.



Photo 2: Apartment/hotel buildings located in the northwestern portion of the project area. These buildings are identified on the figure included in The Architectural Report. View to the north.

There is significant evidence of surface and subsurface disturbance in Area A. Extensive subsurface infrastructure exists throughout, and areas of bulldozed and piled soil mark the landscape. A total of 121 shovel tests were excavated in Area A along transects oriented southwest to northeast. Within the housing complex, three transects were completed to confirm the presence of subsurface infrastructure. The shovel tests across Area A produced a variety of soil types ranging from silty loam, to clay, to gravel, to mottled mixed soils. Grassy surfaces between the houses, when tested, proved to be overgrowth on buried blacktop walkways. Soils overall were loose and rocky, and contained high densities of modern items. Some areas were wet and some were sloped, but overall the soil profiles were classic examples of extremely disturbed and churned soils. No cultural materials were recovered from intact stratified soils. The soils in this area are profoundly disturbed and lack archaeological integrity.



Photo 3: Residential structures are located in the northern portion of the project area. View to the east.

Area A contains what was once the Lake Anne Resort/Golf Club clubhouse, which is a Quonset hut style structure with divisions inside that represent a kitchen area, a dining and bar area and various storage and service rooms. This building dates to the Lake Anne Club era, approximately 1950-1960. It is currently in a decrepit condition. The inside is littered with a large quantity of both broken and intact 1960's to 70's mass produced restaurant ware and glassware. The roof of the structure is deteriorated and vegetation is beginning to grow within the walls of the structure.



Photo 4: Interior of the Clubhouse structure. The exterior walls of the building along with the interior of the structure is degraded.

The area around the clubhouse is extremely disturbed, with evidence of earth moving and soil piles. At some time after the Quonset hut club house was constructed, a series of poorly constructed small additions were added, extending from the northern end of the club house. These additions connect the club house to a historic building, identified on the historic map as the H. Howell house that first appears on the 1875 Beers map (Appendix B). The structure is in a state of decay and the foundation is deteriorating. The foundation is dry laid field stone, with corrugated steel supporting the southern wall of the structure. (See Photo 32) The foundation and perimeter of the house are heavily overgrown with vegetation. The house, a three story structure with a steeply pitched roof, is discussed in more detail later in this report. No significant cultural materials were recovered from Area A.



Photo 5: Interior of the spring house showing the modern electrical features.

Outside of the APE and southwest of Area A, stone and mortar spring house is built into the side of a hill. The keystone in the doorway is dated “1941.” There are no other elements associated with this feature, nor does it seem to correlate to any of the existing structures on the property. This stone features is located outside the boundaries of the APE. The spring house has been fitted with modern electrical equipment and a circuit board.

Area B

Area B is located to the southeast of Area A, and represents a relatively flat landscape abutting the eastern boundary of the APE. This segment of the APE was effectively delineated on three sides by stone walls. A stone wall running northwest-southeast approximately 200’ west of the APE boundary served as the baseline for the transects in this area. Area B is essentially a large field overgrown with black cap and honey suckle bushes, ailanthus and similar scrub foliage. The ground surface included subsurface hornets’ nests. The ground surface within the field was compact, and three large artificial soil piles were identified in this area. A network of ATV trails run throughout Area B. A total of 102 shovel tests along 17 transects comprehensively tested this area. The soils in Area B ranged from light to dark brown silty loam to sandy clay with gravel. There was a surprising lack of consistency in the stratigraphy, indicating that this section of the APE has experienced significant ground disturbance, likely over a substantial period of time. No significant cultural materials were recovered from Area B.



Photo 6: Area B is overgrown with ailanthus, black cap bushes, honeysuckle and multiflora rose. View to the northeast.

Area C

Testing next moved south to Area C, located on the southern side of the stone wall delineating Area B. This area terminates at steep slopes that rise up to the Schunemunk Mountains in the southern portion of the Clovewood property.



Photo 7: Area C is characterized by recent growth forest and gentle slopes on an undulating land surface. View to the west.

Area C is a wooded landscape located to the east of the former golf course. This area is a combination of gentle slopes interspersed with areas with a steep grade. It overlooks a steep ravine with a stream to the east. The stream channel in the ravine is marked with large piles of gravel and washed out areas, indicative of a seasonally flooded or fast moving or similarly altered stream. The vegetation within the ravine is characterized by a dense understory of small trees, and multiflora rose.



Photo 8: Area C is marked by significant alterations in the landscape. View to the north.

Along the northern boundary of Area C, the surface inspection identified an iron pipe and a substantial drainage system that appeared to be fed by a stream extending up the side of the mountain. The northwestern portion of Area C terminates in the eastern extreme of the Lake Anne golf course. Evidence of stratigraphic disturbance is evident in this locus despite the extremely dense vegetation cover of brush and opportunistic grasses. A total of 108 shovel tests were excavated along 11 transects in Area C, yielding a variety of soil profiles similar to those identified in Area B. Throughout the area evidence of subsurface disturbance was evident in the soils, with the majority of tests terminating in a silty loam with shale, channery and gravel. Overall, the testing in Area C documented a land surface that has undergone significant changes due to the installation of an extensive irrigation system in the ravine, as well the alterations to the ground surface for the golf course. No cultural materials were recovered from Area C.

Area D

To complete testing in the eastern section of the APE, the crew excavated a total of 41 shovel tests along 10 transects oriented north to south. The transects were placed along the level areas of the gentle slopes that ascend the side of the mountain. Although Area D is sloped, it was considered a borderline incline in an area of higher sensitivity given its proximity to the nearby stream. Both a long established farm lane and a large access road reinforced with shot rock bisected this area. A significant percentage of the landscape is obviously disturbed as the result of subsurface drainage construction. In addition, this portion of the landscape has a boat and other modern materials scattered on the surface. The vegetation is open woodland combined with dense understory. The size of the trees in this area suggest that it was cleared sometime in the past 50 years, and was most likely used for pasture. No plow zone was identified within the soil profiles in this area. The shovel tests yielded a fairly consistent soil stratigraphy dominated by yellow to dark brown silts and silty loams, with gravel and slate inclusions. No significant cultural materials were recovered from Area D.



Photo 9: Area D contains modern items. The area is lightly forested. View to the east.

Area E

Area E encompasses the large, flat knoll where the majority of the now abandoned Lake Anne Golf Course is located. In its current condition, the knoll is mown grass that is now intermingled with meadow flora such as Queen Anne's lace, honeysuckle and multi flora rose. This area is traversed by substantial roads, both historic golf course roadways (cart paths) and access roads that lead throughout the property.



Photo 10: Area E contains subsurface iron infrastructure. View to the east.

Area E is the location of a substantial and complex irrigation system that was installed to create adequate drainage and water supply for the golf course. Iron pipes and other metal irrigation features are evident across this knoll. Former greens and bunkers (sand traps) are still evident across the area. The landscape is marked by loci where significant surface alteration has taken place. Several large groups of trees occur on the crest of the knoll, most likely features of the golf course design. In addition, large earthen berms have been bulldozed into place at the southeastern boundary of the former golf course. This earth moving event took place more sometime after the golf course closed, as it cuts into portions of the former golf course.



Photo 11: A small pond is located in the western portion of Area E. This water feature was constructed as part of the golf course design.

A total of 11 transects containing 202 shovel tests were excavated across the Lake Anne Golf Course landscape. The predominant soils were yellow to brown silty loam, frequently interspersed with dense clay and gravel. The characteristics of the soil stratigraphy and texture suggest that they may have been deliberately compacted. Sand was evident in many areas and is likely to represent either overgrown sand traps or to have been added to the ground surface to provide sufficient drainage for the course. The field team began testing this area using a 50' (15.24 m) interval. As the soils lacked consistency across the area and were clearly disturbed, the crew changed the interval to 100' (30.48 m) to continue to document the extent of the disturbance, and determine if any intact sediments remained in this area. The entire knoll exhibited disturbed soils. No significant cultural materials were recovered from Area E.



Photo 12: A steep road cut bisects the southern tier of the golf course. View to the north. Principal investigator, Stephanie Roberg-Lopez completed a comprehensive walkover of the project area.

Area F

Once the golf course knoll had been tested, the crew moved west to the slope leading up to a large knoll parallel to the golf course locus.



Photo 13: Area F is a mix of steep slopes overgrown with mature forest and thick understory. View to the northeast.

This area is characterized by a knoll overlooking a ravine and stream, as well as a small wetland area. The steep slopes were interspersed with level terraces. The transects were aligned parallel to the stream bed to conform to the orientation of the level areas. The land is interspersed with small hills and low lying wet areas. The ground surface contains a significant scatter of rock and boulders, suggesting that the stream floods seasonally, or is a fast moving waterway.



Photo 14: The steep ravines are covered with a thick understory. View to the northeast.

In addition, an existing dirt path bisects the area from the east to west. The shoulder areas of the path show evidence of cutting and filling to create a stable roadway. Soil piles associated with the road cut were noted. Area F also includes a small level area to the north of the existing roadway. In this location the transects were aligned south to north adjacent to an area of steep slopes. A total of 144 shovel tests were completed in this area, identifying a thin A horizon underlain by dry to damp silty loams with gravel and shale inclusions. Area F was a relatively inhospitable land surface, lowering the potential for human occupation. No significant cultural materials were recovered from Area F.

Area G

The crew then moved to the level hilltop located in the central portion of the property, adjacent to the western boundary of the APE. This hilltop parallels the golf course, and was initially considered, due to its elevation and proximity to wetlands, to have the highest potential for prehistoric habitation. Area G overlooks a large wetland to the west that is bounded by Clove Road. When the 1958 aerial photo was acquired, it became evident that the wetland was pastureland at that time, indicating that the wetlands are relatively recent. Based on surface conditions, Area G can be characterized as recent growth forest with a thick understory. The crew hand cleared transects through the briars and other underbrush. A total of 163 shovel tests on 23 transects comprehensively tested this area. The soils were shallow, and predominantly dry silts and silty clay loams with small gravel inclusions. Unlike other portions of the APE, no evidence of prior disturbance was encountered on the ground surface or within the stratigraphy. As the crew moved west from Area G to examine the steep slopes overlooking the wetland, they identified a series of iron/metal drainage culverts protruding from and

lying atop the ground surface. These pipes seem to be part of a larger irrigation network located throughout the project area. No significant cultural materials were recovered from Area G.



Photo 15: Area G is a level knoll that is lightly forested. The knoll is bordered by thick understory. View to the north.

Area H

Area H is located in a swale oriented east-west. It is bounded on each side by rock walls and terminates in a series of mechanically excavated drainage ditches. The surface, which is very steep is littered with large fraction rocks and boulders resulting in an inhospitable landscape. To the west of Area H is an area that has been mined in the past. Large pits and soil berms remain, with trees ranging from 30 to 50 years in age growing out of the basins left by removal of the sediments.



Photo 16: Area H is located in a lightly forested are that exhibits evidence of surficial disturbance. View to the east.

Materials dating from the 1940's to the present were noted on the ground surface in this area. To the west of Area H are the remains of a demolished structure. Based on the surface artifacts which include machine made bottles, semi porcelain and modern china, bricks and cinderblocks, the structure likely dated to the mid-20th century. A total of 17 shovel tests along two transects oriented northeast to southwest tested the level and relatively undisturbed portions of Area H. The soils encountered consisted of a brown silty loam overlying a brownish yellow silt with gravel. No significant cultural materials were recovered from Area H.



Photo 17: Materials dating to the mid-20th century were noted on the landscape around the demolished house. View to the west.

Area I

Area I is located in the southwestern portion of the APE. Two access roads are proposed in this location to connect the new development to Clove Road, and Route 208. The roads run roughly perpendicular on a north-south, east-west orientation. This locus is characterized by gullies and culverts with numerous small streams. There are numerous stone walls networking the area, and north-south and east-west walls were used to orient the transects in Area I. The largest of the stream beds has been manually altered in some areas, to increase its efficiency as a drainage culvert. The historically altered section is located outside of the northern boundary of the APE. Two transects were aligned in the locations of the proposed roads. A total of 29 shovel tests were excavated along these two proposed road corridors. The stratigraphy was consistent throughout, with a brown yellow silt overlying a brown silty loam. No significant cultural materials were recovered from Area I.



Phot 18: The transects located within Area I followed the existing stonewalls located in this area. View to the southeast.

Area J

After the completion of Area I, the field crew began moving counterclockwise along the southern and eastern boundaries of the APE, testing the level terraces located within the steep slopes. Area J is a lightly forested landscape with mature trees and little understory. This area is located between two small drainages which bisect the steep slopes. The landscape ascends to the south and descends sharply to the north. There are numerous stone walls in the area, with a significant surface litter of rocks and boulders. Two transects were excavated on gentle slopes in this location. The stratigraphy was consistently a yellow to brown silty loam overlying sandy soils with gravel and shale inclusions. No significant cultural materials were recovered from Area J.



Photo 19: The surface area within area J is littered with small boulders and cobbles. View to the southwest.

Area K

Area K is an area that is marked by a series of undulating shallow slopes and gullies. There are no loci in Area K that meet the criteria for shovel testing. The field crew walked the land surface inspecting the site for rock overhangs, alluvial benches and sources of cryptocrystalline rock. None were encountered.



Photo 20: The surface area within Area K is steeply sloped. View to the southwest.

Area L

South of the golf course, the land rises to the south and east creating a series of slopes and terraces. The majority of the land surface exceeds 12% slope and was therefore eliminated from testing. Area L is characterized by a series of constructed roadways covered with shot rock. In the southern portion of Area L, adjacent to the southeastern tip of the golf course, a test well has been constructed. To the east of the test well is a derelict two story historic structure. This building appears on the 1903 maps as the N.W. Howell house and is shown north of a mineral spring. A significant waterway and a wet land area are located to the west of Area L. The landscape around the house has been significantly. Four shovel tests were completed along a single transect in a level area north of the existing structure. In addition, a series of five shovel tests were excavated around the perimeter of the house structure. The soils in Area L consisted of a brown silty loam overlying a brownish yellow silt with gravel. The shovel tests around the house structure identified a brown silt loam overlying a light yellowish brown silt. The materials recovered consisted of modern bottle and window glass, plastic, metal and modern ceramics. No significant cultural deposits were identified in Area L. The historic N.W. Howell house will be discussed in greater detail later in this report.



Photo 21: Area L is a wooded area located to the south of the golf course. View to the north.

Area M

To the north of Area L is Area M. Area M represents a locus that, while sloped, contains level areas suitable for shovel testing. This area is characterized by forested lands with little to no understory. A total of 14 shovel tests along two transects comprehensively tested this area. The soils encountered consisted of a brown silty loam overlying brown silty loam with gravel. No significant cultural materials were recovered from Area M.



Photo 22: Area M is characterized by steep slopes interspersed with more gentle grades. View to the south.

Areas N and O

Areas N and O, located at the southeastern portion of the APE, consist of steep slopes and dense underbrush. Like Area K to the west, the land surface is steeply sloped, and interspersed with dry drainage channels. The existing network of roads throughout the project area provided access into this portion of the project area. The field crew completed a surface reconnaissance of this locus, again focusing on rock overhangs, alluvial benches and sources of cryptocrystalline rock. No areas suitable for shovel testing were identified in these locations.



Photo 23: Dry stream channels are located in the eastern portion of the APE. View to the east.

Area P

Area P is located on the increasingly ascending slope that ultimately terminates along the mountain ridge to the south. Much of this foothill landscape is too sloped to test, however the crew inspected the entire area for benches and terraces that might have prehistoric potential. The area hosts a network of access roads that mark the landscape. Area P was marginally testable based on a slope of slightly less than 12% grade. A total of 17 shovel tests were excavated along two transects, however none yielded cultural material. The soils were brown silty loam with gravel over brown sandy silt. No cultural materials were recovered from Area P.



Photo 24: An access road and covered test well are located in the project area. View to the northeast.

Areas Q, R and U

Areas Q and R abut Area P to the south, and are extensions of the sloped landscape. These areas are bordered by stream channels and stone walls, are steeply sloped and can be characterized as heavily forested. The steep slopes have been bisected by the existing roadways. No areas suitable for shovel testing were identified during the surface reconnaissance of this area.



Photo 25: A covered test well is located within the project area. View to the west.

Area S

Area S is located to the east of the Golf Course. This area is a flat bench that is lightly forested. A total of 10 shovel tests were excavated along two transects in Area S. The soil stratigraphy was consistent with soils across much of the site, a brown to yellow silty loam overlying a brown silt. No cultural materials were recovered from Area S.

Area T

Area T is located in the southern portion of the APE to the southwest of a wetland area. Portions of Area T include existing access roads. Portions of Area T contain concentrations of wet soils as well as excessive slope. A total of six transects containing 34 shovel tests comprehensively tested this area. Soils remained consistent with adjacent areas, a brown to yellow silt a silty loam underlain by brown silt or sandy silt. No significant cultural materials were recovered from Area T.

Area V

Area V is located in the southern corner of the APE on the northwestern edge of a wetland area on the small level foothills of the mountain. One transect with nine shovel tests was excavated on a gentle slope located adjacent to a small dry stream bed. The soils encountered consisted of a brown to yellow silty loam underlain by brown silt or sandy silt. No significant cultural materials were recovered from Area V.



Photo 26: The landscape in the southern portion of the APE is marked by soil rows. This area is depicted as orchard on the 1958 aerial image. View to the east.

Area W

Area W is a level location near an existing access road. Two transects were placed outside the previously disturbed area, and 11 shovel tests were excavated along these transects. The soil profile was identical to tests in the abutting Area V. No significant cultural materials were recovered from Area W.

E: Historic Context of the Clovewood Site

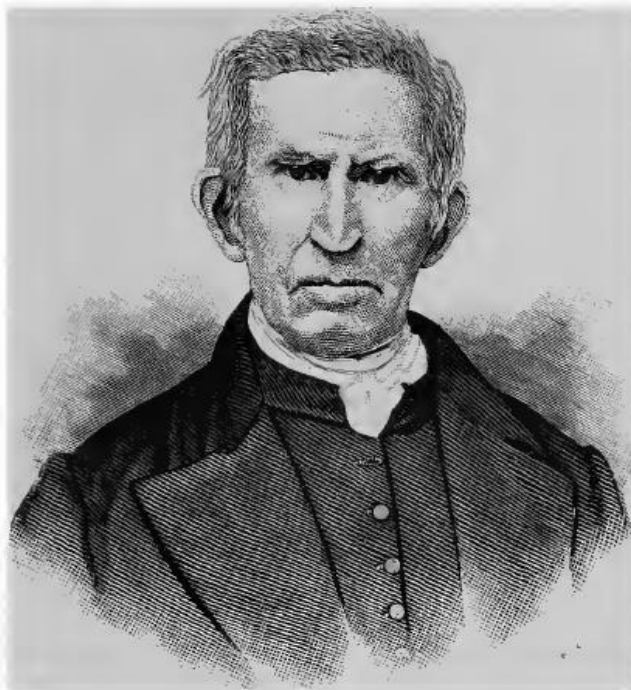
The Howell Family in Blooming Grove

The Clovewood Site is located on property that historically belonged to a notable Blooming Grove family, the Howells, who were prominent not only in Orange County, but in New York State as well. The town is historically home to many Howell homes and businesses, as well as those of the families into which they married. HVCRC completed a review of Orange County historical documents to provide a background for the use history of the site.

A brief narrative of the Howell family genealogy and history, as it has been recorded in published county histories, has been included below. This narrative is not meant to represent an exhaustive history of the Howell family, but rather to establish a context in which to adequately assess the historic structures within the project area. This information included in this narrative is taken from *The History of Orange County* (E.M. Ruttenbur & L.H. Clark 1881) and *The History of Orange County* (Russell Headly 1908)

Historic maps indicate that during the 19th century the land within the project area was owned and occupied primarily by the Howell family. Hezekiah Howell (1709-1785) came from the South Hampton area of Long Island New York, and settled in Blagg's Clove (a tract of one thousand acres, lying in the valley between Schunemunk Mountain and Round Hill) in 1727. Hezekiah Howell is a lineal descendent of Edward Howell who came from Marsh Gibbon, Buckinghamshire, England to Massachusetts in March of 1639. The Edward Howell Homestead still stands in South Hampton NY. Hezekiah Howell died in 1785. Records for some, but not all of Hezekiah Howell's descendants are available through genealogical resources.

When Hezekiah Howell (1) settled in Blagg's Clove, he married Susanna, the daughter of Job Sayre, and the couple had four children; Phebe, Jane, Hezekiah (Jr) and Charles S.



Hezekiah Howell

Photo 27: Undated lithographic image of Hezekiah Howell (1). Source: Ruttenbur & Clark: 1881

Charles S. Howell (son of Hezekiah Howell (1)) was born in Blagg's Clove in 1752. He was primarily a farmer, but also served as member of the Independent Corps under Gen. George Clinton. Charles S. Howell aided in the construction of Fort Putnam at West Point. In 1785, he married a daughter of Major Strong (her name has not been identified in the records), and settled on 150 acres of land in Blooming Grove. His children were Selah and Clarissa.

Hezekiah Howell (2), was born in 1741 at the homestead in Blooming Grove. He married Juliana Woodhull. Their children were Hezekiah (3), Nathaniel W., Susan, Sarah, Fanny and Elizabeth. Hezekiah Jr. was the first Supervisor of the Town of Cornwall in 1765 and in 1775 served on the Safety Committee. He also served as the Sheriff of Orange County during the Revolutionary War and as the overseer of the highways in Blagg's Clove in 1765. Historic records refer to this member of the family as Major Hezekiah Howell, likely for his service during the Revolution.

Hezekiah Howell (3) was born on the homestead in 1768. He attended school in Goshen, but spent much of his childhood on the farm. During his years at the school house in Goshen, Hezekiah pronounced letters for Noah Webster, the lexicographer, while Webster compiled his famous dictionary. Hezekiah Howell (3) was a farmer and an active business man. He also invested his energies in public works and contributed to the building of the Blooming Grove Church. In 1796, he married Frances Tuthill. Their children were Juliana W., Hezekiah (4), and Nathaniel W., Mathew H., John W.T., Mary B., Gabriel, Simeon and Andrea. Hezekiah Howell (3) added 200 acres to the homestead and died there in 1855. At the time of his death the farmstead covered 750 acres.

Nathaniel W. Howell (son of Hezekiah Howell [2]), served as a justice of the peace in Blooming Grove and Orange County for many years. He graduated from Princeton College in 1788 and served as a United States Representative from New York. He taught school in Montgomery, New York from 1789 to 1792. Nathaniel Howell was admitted to the New York State Bar Association and practiced in New York City and in Tioga County from 1794 to 1796, and in Canandaigua from 1796 to 1851. He was the Attorney General for western New York from 1799 to 1802 and a member of the New York State Assembly in 1804. In 1817 he was elected as a Federalist to the Thirteenth Congress, holding office from March 4, 1813 to March 3, 1815. He was appointed a member of the commission to appraise the Western Inland Lock Navigation Co., and was the first judge of Ontario County, holding that office from 1819 to 1832. Nathaniel W. Howell is buried in Canandaigua New York.

Mathew Henry Howell (son of Hezekiah Howell [3]), was born in 1805, and lived his life on part of the Howell Farmstead. He married Julia Brewster and the couple had four children, Nathaniel W., Charles, Sarah and Joanna. Mathew Howell's son, Nathaniel, the great grandson of Major Hezekiah Howell, lived on 300 acres of the farmstead. He managed the entire family farmstead from 1886 until 1908. In 1908, he sold the entire estate to Corydon T. Purdy, of Montclair, N. J., a descendant of Susan Howell (daughter of Major Hezekiah Howell).

Charles Howell (brother of Hezekiah Howell [1]), after the death of his first wife in 1802, married Elizabeth Board. Their children were Charles Board (1803-1865) who became a practicing physician in Chester, Edmund Sayre (1804-?) and Joseph Henry (1805-1878). Charles Howell died on the family Homestead in 1843.

Edmund Sayre Howell (grandson of Hezekiah Howell [1]) spent the majority of his life on the homestead in Blooming Grove. His education was limited to the local schools and he worked on the farm throughout his younger years. In 1836 he married Nancy Bell of Warwick. Together they had eight children (Mary E., Clarissa A., Phebe E., Charles H., Caroline A., Joseph E., Susan E., and Effie). Charles H. stayed on the family

farmstead. He served as a member of the Second Presbyterian Church in Washingtonville and as one of the managers for the Orange County Bible Society.



Edmund S. Howell

Photo 28: Undated lithographic image of Edmund S. Howell (1). Source: Ruttenbur & Clark: 1881

The historic maps gathered for this report document many members of the Howell family living along Clove Road within the boundaries of the Clovewood Site, as well as adjacent to it. In addition to the dairy farm and creamery that the family established in Blooming Grove, other members of the Howell family had a creamery in the town of Goshen. The Howell family married into the Woodhull and Tuthill families, whose farms and residences are also depicted on the maps of the Blooming Grove area. Members of the Howell Family are buried in the small cemetery adjacent to Clove Road. Others are buried in Goshen and in Middletown.

Recent History of the Howell Farmstead

In 1908 Corydon Purdy purchased the Howell Farmstead, erecting a number of farm buildings and adding equipment, creating a modern up-to-date and sanitary dairy farm. In addition to renovating the outbuildings, he modernized the structure built by Major Hezekiah Howell in 1727. He also expanded the scope of the farm, no longer simply providing dairy products to sell in city markets, but exporting fruits and vegetables as well.

Corydon Purdy was a renowned structural engineer who has been referred to as the “Father of the Skyscraper.” He was responsible for the shift in using steel and iron infrastructure, rather than masonry, to support building height. Many of his buildings are still standing in New York and Chicago including the Bank of Manhattan Trust Building. Corydon Purdy worked in Manhattan and retreated to the farm in Blooming Grove for relaxation. He resided at the farm for many years before moving to Melbourne Florida, where he died in 1944.

The 1935 USGS Topographical map (Appendix B) shows that no significant changes have taken place to the landscape. The stream corridor in the western portion of the maps, shown on the 1903 cadastral map, still follows the same channel. The 1957 Topographical quadrangle shows that significant changes have taken place within the project area. The small stream has been dammed to create a large pond in the western portion of the project area. A network of roads has been constructed throughout the project area. This map indicates that mining has been taking place in the southwestern portion of the APE (Appendix B).

In 1952 Marvin H. Greene purchased approximately 710 acres of land in Blooming Grove, Orange County, New York, essentially the lands that had been the traditional Howell farm. On October 28, 1960, the Town of Blooming Grove Planning Board approved to construct a casino (which was later constructed on the site). The approved map showed the following existing facilities: luncheonette, cocktail lounge, six units and six bedrooms, 120 bungalow units, other buildings containing multiple bungalow units, outdoor pool and athletic facilities, and approximately ten acres of ski facilities, existing infrastructure including a water supply system claimed to be capable of supporting 544 bungalow units, an indoor swimming pool and an outdoor swimming pool, all on 136 acres of the site. In 1973 Greene again revised his plan to add additional bungalow units. On June 10, 1986, Greene applied to the town's building inspector for a permit to build the additional 419 units to the 125 units already built (totaling 544 residential dwelling units) (United States Court of Appeals 1989) (Appendix E). By June of 1953, Greene had built ten two-unit bungalows on the parcel on the eastern side of Clove Road.

In 1960 Greene revised his planned resort to include an outdoor pool and athletic facilities, an ice rink and approximately ten acres of ski facilities and additional bungalow units. By this time, Greene had already constructed an "infrastructure" to service the entire planned bungalow colony, including a water supply system claimed to be capable of supporting all 544 bungalow units, an indoor swimming pool and an outdoor swimming pool. He also constructed a casino. Many of these units have been constructed along Lake Anne Road to the north of the existing golf course. The Quonset hut structure served as a night club, dance hall, meeting room and cocktail lounge. An advertisement dated 1971 boasts the finest facilities and catering.

The Golf course operated until the 1990s. The Greene family sold the property to Keen Equities, LLC in January 2006.

F: Map Documented Structures

HVCRC examined historical maps of Orange County to identify possible structures, previous road alignments and other landscape features or alterations that would affect the likelihood that archaeological and/or historic resources could be located within the project area. Nineteenth century maps frequently lack the accuracy of location and scale present in modern surveys, however a number of historic structures have been identified within the APE and the larger project property.

H. Howell House

The H. Howell House (seen on the 1875 F.W. Beers Map, Appendix B) is depicted in the northwestern corner of the project area. This structure does not appear in this location for any of the other years for which the historic landowner maps are available. The date suggest that when this map was made Hezekiah Howell (3) or Hezekiah Howell (4) were the current occupants of the house. The remaining historic maps (1851, 1859, and 1903) do not show this structure but continue to show the residence on the northwestern side of the street. The structure on the northwestern side of Clove Road is last depicted as being owned by N.W. Howell, who owned 400 acres of land at that time.

The northwestern portion of the project area currently contains the derelict buildings related to the former Lake Anne Country Club. These structures include the Quonset Hut, club house, three apartment or hotel buildings, a large barn with a silo, approximately 50 residences in a cluster along the northern boundary of the project area, two derelict outbuildings and a three story residential structure attached to the Quonset Hut structure. These buildings are described in detail in the Architectural Report for the Lake Anne Country Club.

Sometime after the Lake Anne Quonset hut club house was built, a poorly constructed small addition was added, extending from the northern end of the club house and connecting it to the three story wood frame structure. This three story structure is in the location of the H. Howell house that first appears on the 1875 map. This structure, referred to throughout this report as the H. Howell house is in a state of decay and the area surrounding the foundation deteriorating and overgrown. The foundation is dry laid field stone, with a wood frame super structure. The interior of the structure was not accessible at the time of the Phase 1B survey.



Photo 29: View south of the northern elevation of the H. Howell House.

The superstructure is three stories high with a peaked roof covered in aluminum sheeting. A single story addition is located on the northern side of the structure, and a small wooden porch is located on the northeastern side. A small wooden walkway connects the house to the Quonset Hut. This addition is constructed of cinderblock and has a corrugated steel roof. A small ell built on top of a field stone foundation is located on the western wall of the structure. The southern wall of the deteriorating fieldstone foundation

has been reinforced with corrugated sheet metal. The house is heavily overgrown with vines, briars and other thick vegetation.



Photo 30: A wood frame addition connects the H. Howell house to the Quonset hut. View to the west. This elevation around the house is heavily overgrown with vegetation.

The architectural integrity of the house has been compromised over the years by the small addition, the sheet metal used for wall separations and the installation of utilities to the house as evidenced by a network of pipes breaching the foundation. Electrical lines, currently disconnected from the poles but still connected to the exterior walls of the structure, indicate that the building was modernized, probably during the construction of the Lake Anne County Club. The ground area on the southeastern and eastern sides of the house which connect to the Quonset hut complex are profoundly disturbed. Piles of dirt and the uneven ground surface surrounding the structure indicate a significant amount of subsurface disturbance within the yard area of the house. The shovel tests excavated in the yard area documented highly disturbed stratigraphy. Modern items were identified within the shovel tests completed in this area. The landscape slopes to the east and northeast into a low lying area that contains standing water. This low lying area is located on the northern side of the Lake Anne Quonset Hut. Given the condition of the structure, it is not considered to be National Register Eligible.



Photo 31: View of the dry laid field stone on the south western wall of the structure. The openings in the wall contain modern piping and have been reinforced with corrugated steel sheeting.

N.W. Howell House

At the southeastern portion of the APE is a map documented structure also belonging to the Howell family. This structure appears on the historic map dated 1903, and is shown as belonging to N. W. (Nathaniel Woodhull) Howell, the last owner of the Howell Homestead. The house is still standing but in a state of decay. It is wood frame construction and sits on top of a field stone and cinderblock foundation. The fieldstone is mortared and was later repaired, as evidenced by the cinderblock additions at various points around the foundation. The landscape around the structure, specifically to the northwest, south and southeast, has been bulldozed and graded. On the northeastern and eastern sides of the house, the ground surface has been bulldozed into large spoil piles. This soil moving event took place in the late 20th century, based on the size of the trees in the area and the amount of leaf litter and vegetation covering the soil piles.



Photo 32: View to the west of the N.W. Howell House.

The access road is cut into the landscape approximately 7-8' deep in the northwestern yard of the house. This level of profound disturbance effectively eliminates any potential for historic midden deposits or shaft features. As series of five shovel tests were excavated around the foundation in areas that had not been impacted by the access road. The shovel tests identified a dark brown silt loam overlying a light yellowish brown sandy soils and identified plastic, metal, whiteware and brick and coal fragments. The materials were mixed throughout the strata and are not consistent with an intact cultural deposit.



Photo 33: An existing well is located on the northwestern side of the N.W. Howell House. View to the northeast.

Adjacent to the structure is a large soil pile. While inspecting the soil pile, the crew identified a bottle fragment with the date of “1912”, a mix of creamware modern whiteware and china fragments, and plastic and metal pipe fragments.



Photo 34: View of the materials located within the dirt piles adjacent to the N.W. Howell House.

The N.W. Howell house is not considered to represent an intact historic cultural deposit. The yard area and foundation perimeter have experienced a series of disturbances, including the repairing of the foundation with modern cinderblock. The structure itself is in a state of disrepair. This building, which appears only on the 1903 map is not considered to be National Register Eligible in its current state of dilapidation.

M. H. Howell Farm Complex

In the southwestern portion of the project area, north of the intersection of Route 208 and Clove Road, are the ruins of the M. H. (Matthew Henry) Howell farm complex. These structures are depicted on maps dating as early as 1851 and are still depicted in 1903. In 1903, this property is shown as being owned by N.W. (Nathaniel Woodhull) Howell. The remains of this farm complex are extant, and are represented in the form of substantial stone foundations and walls. The M. H. Howell farm is accessed by a short farm lane from Clove Road, and by a network of farm lanes from the interior of the site. The farmhouse foundation is comprised of a number of delineated rooms, with a chimney and interior fireplace structure still intact. The various entryways and fenestrations are easily identifiable in the stone foundation walls. The farm road continues east past the M. H. Howell farmhouse foundation into the interior of the property. On both sides of this road there are the remains of farm building foundations, most likely barns and storage buildings. The footprint of this farm complex is well preserved and in good condition. The M. W. Howell Farm Complex is outside of the APE and will not be impacted by the project. As this location is outside the proposed APE, no additional work is needed as part of the Clovewood Phase 1B survey.

To the north of the M.H. Howell complex is a small dam located at the southern tier of the large wetland. This dam crosses a small stream channel that drains to the south past the M.H. Howell complex. The large pond/wetland created by the dam does not appear on any of the 19th century maps, but can be seen on the

1958 aerial image (Figure 3). These drainage systems were likely constructed to support the large dairy farm owned by the Howell's and later, Corydon Purdy.



Photo 35: View of a large structure located within the M. H. Howell complex. View to the north.

As noted above, the M.H. Howell complex was purchased by Corydon Purdy in 1908. Mr. Purdy renovated the complex creating a dairy farm that utilized modern equipment. Mr. Purdy's architectural and engineering accomplishments throughout the end of the 19th century and into the early 20th century are well documented. He established the profession of consulting structural engineering as a vital business endeavor in the United States. Mr. Purdy, who renovated the Howell Dairy farm, may be responsible for the network of irrigation and drainage pipes located throughout the project area. At this time it is unclear if these improvements were constructed by the Howell family in the late 19th century or the Purdy's in the early to mid-20th century.



Photo 36: The complex of structures associated with the M.H. Howell Complex are located outside the boundaries of the APE.

Round Hill/Howell Cemetery

The Round Hill Cemetery, one of several burial grounds used by the Howell family, is located outside of the Clovewood property on a separate parcel (Section 208 Block 1 Lot 1) and is owned by Round Hill Cemetery. The cemetery is located on a small knoll approximately 500' (152.4 m) north of the M. H. Howell farmstead and is accessed by a farm road that runs between the knoll and the wetland area located to the east. At present, the cemetery, which measures approximately 75' by 40', is enclosed by a corroding and deteriorating wrought iron fence. The site is overgrown with brush, trees and other opportunistic vegetation. The cemetery was carefully inspected for grave markers, and photographed to document the existing conditions.



Photo 37: View to the east from the center of the Round Hill/Howell Family Cemetery.

Based on recorded dates, this cemetery was in use between 1784 and 1917. Research completed by CITY/SCAPE: Cultural Resource Consultants lists nine individuals buried in the cemetery as John W. Howell (13 months and 12 days), Edward Brewster Clark (age 48) buried in 1917, Andrew Howell buried in 1818, Elizabeth Board Howell, buried in 1841 at 75 years of age, Charles Howell, a son of Hezekiah and Susannah Sayre Howell, buried in 1843 at 91 years of age, John Woodhull Tuthill Howell (J. W. T. Howell), a son of Hezekiah and Frances Tuthill Howell, buried in 1870 at the age of 64, Sarah S. Brewster Howell, second wife of J. W. T. Howell, buried in 1873, Sarah B. Howell Clark, a daughter of Matthew H. Howell and Frances Tuthill Howell, who died in 1889 at 51 years of age, and William Wells Clark, husband of Sarah B. Howell. The cemetery, as noted above, is outside of the Clovewood Site and therefore will not be impacted by the project.



Photo 38: This marker, located within Round Hill Cemetery is for Edward B. Howell, who was interred in this location in 1917.

The Round Hill/ Howell Cemetery is considered to be National Register Eligible, under Criterion B, of the *National Register for Historic Place Guidelines for Evaluating and Registering Cemeteries and Burial Places.*, as site “That is associated with the events that have made a significant contribution to the broad patterns of our history.” This cemetery represents an import period in the early settlement of South Blooming Grove, and contributes to the evolving sense of community as well as reflecting important aspects of community history. In addition, the cemetery retains most of its original character and appearance, reflecting its period of significance (1784-1917.) The Howell Family/Round Hill cemetery is located outside the boundaries of the Clovewood Property and will not be impacted by the proposed development.



Photo 39: An undated image showing the gate that was formerly standing at the Howell Cemetery. Source: Findagrave.com.

Schunemuck Prehistoric Site

During the course of the field investigations the HVCRC crew systematically inspected the steep slopes and rock formations on the site to rule out loci suitable for rock shelters and overhangs as well as veins of cryptocrystalline rock suitable for tool making. Although shown as steeply sloped areas on the field reconnaissance map, areas of the property contain small terraces that might have contained prehistoric sites. None were identified within the APE. As the crew navigated the site, using a system of roads within the property, they examined the steeply sloped areas to the east of the APE boundary. A small body of standing water is located outside the boundaries of the APE, on a small terrace. The field technicians noted prehistoric artifacts on the surface of soil berms that were created during the construction of a road accessing a test well in this location. The crew completed a surface collection among the exposed soils and mapped the locus using GPS. Artifacts recovered include bifaces a possible projectile point base and a chert broad triangular projectile point. The base of the point has been broken off, so a cultural affiliation cannot be conclusively assigned. The size and shape of both the broken base and the triangular point suggest an Archaic affiliation.



Figure 7: A sample of the artifacts recovered from the Schunemuck Prehistoric Site.

This locus, identified as the Schunemuck Prehistoric Site is located outside the boundaries of the Proposed APE and has been partially disturbed by the construction of roadways. In the event that the proposed development plan changes, additional investigation in this area is recommended. The artifacts were recovered from the surface where the construction of the existing roadway turned over the soils. The materials recovered consist of a large biface or celt, several utilized flakes and a projectile point. The base of the projectile point has been broken off, but the size and breadth suggest an Archaic affiliation.

G: National Register Eligible and Listed Historic Properties

In July of 2015, CITY/SCAPE Cultural Resource Consultants evaluated the resources within the general vicinity of the project area for National Register Eligible and National Register listed sites. In July of 2016 HVCRC completed a Phase 1B Archaeological Survey of the Clovewood Property. No significant archaeological sites or National Register Eligible Properties were identified within the boundaries of the project

APE. In the course of completing the research for the Phase 1B Archaeological Investigation HCVRC rechecked the database of National Register sites, and determined that no new sites had been added.

The Round Hill/Howell Family cemetery is located on a ± 0.70 acres (.285 h) outparcel parcel (Section 208, Block 1, Lot 1) outside the Clovewood property. Currently, this historic cemetery is surrounded by a tall stand of trees. It is recommended that Round Hill Cemetery Inc, retain these trees to alleviate any potential adverse visual effects the proposed development of the Clovewood site may have on this historic resource.

The viewshed around the proposed Clovewood site was analyzed during the course of the field investigations. To the northwest of the proposed project, two large hills, Round Hill and Mosquito Hill, rise to a height of approximately 700' and 954' Above Mean Sea Level (AMSL), respectively. The southeastern boundary of the Clovewood site is located in the Schunemunk Mountains. The eastern boundary of the APE is located at an elevation of approximately 840' and the property boundary is located at an elevation of approximately 1380' AMSL. Given the rise in land surface to the northwest and east as well as south east, adverse visual impacts from the proposed undertaking are not anticipated. One half mile to the north of the project area is Helm Hill. The elevation at the apex of the hill is approximately 700' AMSL. To the south the elevation steadily rises as Route 208 progresses south. No historic properties have been identified within this area, therefore adverse visual effects from the proposed development are not anticipated.

H: Project Summary

The Clovewood Site Area of Potential Effect (APE) has been examined through a series of investigations including a Phase 1A Literature Search and Sensitivity Assessment, completed by CITY/SCAPE Cultural Resource Consultants in July of 2015 and a Phase 1B Archaeological Field Reconnaissance Survey by HVCRC in July of 2016. The Phase 1B survey identified two historic structures dating to the mid-19th through the 20th centuries, which have been identified as the H. Howell house and the N.W. Howell house. These historic structures, now derelict and degraded, are located on lands originally purchased by Hezekiah Howell. The investigations completed in the vicinity of these structures did not identify intact cultural deposits. The absence of intact stratigraphy, and as with the case of the N.W. Howell house, the complete removal of soils, indicates that no archaeological integrity remains in these locations.

The walkover reconnaissance of the Clovewood site identified a cluster of prehistoric materials located in the eastern portion of the property near the summit of the Schunemunk Mountains at an elevation of approximately 1000' Above Mean Sea Level, well outside the boundaries of the APE. This site is located outside the boundary of the proposed APE, therefore, no additional work is needed as part of the Clovewood Phase 1B survey.

In the eastern portion of the Clovewood property, also outside the boundaries of the APE are the remains of the M.H. Howell farm complex and the Round Hill/Howell cemetery. These features are historically significant as they represent the historic settlement patterns and development of a sense of Community in the Blooming Grove area. The Howell farmstead was first established by Hezekiah Howell in 1727. Over the next two centuries the farmstead expanded and became a significant feature along Clove Road. In 1908, famed structural engineer Corydon Purdy purchased the farm as a vacation retreat, and rehabilitated and modernized the existing dairy. In the mid-20th century the property was sold to Marvin Greene who built the Lake Anne County club on the northern portion of the property.

I: Conclusions and Recommendations

In June and July of 2016, HVCRC completed a Phase 1B Field Reconnaissance survey of the Clovewood Site in the Village of South Blooming Grove, Orange County, New York. Based on the information identified in

the Phase 1A report, it was determined that the project area had the potential to yield prehistoric and historic cultural deposits. It was therefore recommended that a Phase 1B Archaeological Field Reconnaissance Survey be undertaken on those undisturbed areas within the project Area of Potential Effect.

A total of 1056 shovel tests were excavated within the Clovewood APE in areas considered to have the potential to yield prehistoric and historic cultural material. Based on the information recovered from shovel testing in the area of the identified H. Howell House and N.W. Howell house sites, no archaeological integrity remains and it is unlikely that additional archaeological investigations will yield information about the habits and lifeways of the Howell family or other occupants during the 19th century. In addition, the foundation remains have been impacted by modern renovations in the latter part of the 20th century and are in a state of decay. Given the state of the buildings and the level of disturbance to the structures as well as the lack of archaeological integrity, these structures are not considered to be National Register Eligible. No additional work is recommended for these archaeological sites.

The former Lake Anne Country Club buildings, located in the northern portion of the project area are also in a state of disrepair. These structures were built in the mid to late 20th century. Given the date of construction and the state of the buildings these structures are not considered to be National Register Eligible. The land surface surrounding these structures was carefully shovel tested and examined, however the cultural material recovered consisted of modern items in a highly disturbed context.

The expansive subsurface infrastructure that irrigated and supported the Lake Anne golf course remains across the site. Much of the landscape has been subjected to subsurface disturbance due to historic activity. The Phase 1B comprehensively identified and documented these areas of disturbance. Based on the results of the Phase 1B survey no further archaeological work is recommended for the landscape within the boundaries of the current Clovewood Site APE.

Outside the boundary of the proposed APE the crew confirmed the location of two significant archaeological sites: a) the M.H. Howell farm complex, and b) the Schunemuck Prehistoric Site. As described in this report, the M.H. Howell complex represents a significant historic feature associated with the expansion of the Howell Family Farmstead and famous architect Corydon T Purdy. As this location is outside the boundaries of the APE, additional investigation is not warranted as part of the Clovewood Phase 1B Survey.

The Schunemuck Prehistoric Site is located outside the eastern boundary of the proposed APE. This location represents a disturbed Native American deposit that may be dated to the Archaic Period. As this location is outside the boundaries of the APE, additional investigation is not warranted as part of the Clovewood Phase 1B Survey.

The Howell Family/Round Hill Cemetery Howell is located outside of the western boundary of the Clovewood property. This cemetery represents an import period in the early settlement of Blooming Grove, and contributes to the evolving sense of community as well as reflecting important aspects of community history. This Cemetery can be considered National Register Eligible under Criterion B, of the *National Register for Historic Place Guidelines for Evaluating and Registering Cemeteries and Burial Places*.

No prehistoric artifacts of any kind were recovered within the APE of the Clovewood project area. Comprehensive testing of the extant buildings from all historic periods produced only disturbed soil contexts and modern materials. Based on the results of the Clovewood Phase 1B Survey, it is the recommendation of Hudson Valley Cultural Resource Consultants that the project be allowed to proceed without further archaeological investigation within the boundaries of the proposed APE.

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Appendix A: Additional Photographs

List of Photographs

- Photo 40: Clove Road marks the northwestern boundary of the Clovewood Site. View to the southwest.
- Photo 41: A series of asphalt roadways lead through the former Lake Ann County Club Complex. View to the east.
- Photo 42: A network of farm roads lead throughout the APE. View to the northeast.
- Photo 43: A series of access roads are located throughout the Clovewood Site. View to the north from the southern tier of the Golf Course.
- Photo 44: The landscape through the western portions of the Clovewood APE consisted of vegetation indicative of former agricultural fields. View of Area B.
- Photo 45: Features of the former golf course are still evident within the landscape in Area E. View to the east of a bunker area.
- Photo 46: Within the former golf course earth moving activities had taken place to remove some of the former infrastructure. View to the north.
- Photo 47: The roadways bisect the forested portion of the project area. View to the south in Area V.
- Photo 48: Areas of standing water were noted within the APE. View of a small wet area located west of the N.W. Howell house and east of the southern edge of the Golf Course.
- Photo 49: The streams and other small drainages are located within steep ravines. View east of the steep ravine located within Area F.
- Photo 50: A wetland and pond is located in the western portion of the project area. This wetland features a small dam at its southwestern tip. The 1958 aerial shows this dam is in place.
- Photo 51: Area of standing water are located in drainage ditch. View of standing water in Area F.
- Photo 52: Pieces of drainage culverts were found within the project area. They are likely associated with a late 19th century irrigation system on the property.
- Photo 53: View of the dam located at the southern tip of the wetland. This dam is located 500' north of the M.H. Howell complex and is outside of the APE. Based on the cement and metal hardware this feature was probably constructed during the late 19th century to early 20th century.
- Photo 54: Remnants of a fireplace located on the southern wall of the M. H. Howell foundation structure. View to the east.
- Photo 55: The various walls of the M. H. Howell foundation show several different construction styles. View to the north.
- Photo 56: A small well was identified adjacent to the southeastern corner of the main structure. Well is approximate 4' in diameter.

List of Photographs (Continued)

- Photo 57: The Howell family cemetery is located to the north of the M.H. Howell Complex.
- Photo 58: View of the marker for Stephen Howell.
- Photo 59: View south from the edge of the knoll on which the cemetery is located across the open fields located to the west of the wetland.



Photo 40: Clove Road marks the northwestern boundary of the Clovewood Site. View to the southwest.



Photo 41: A series of asphalt roadways lead through the former Lake Ann County Club Complex. View to the east.



Photo 42: A network of farm roads lead throughout the APE. View to the northeast.



Photo 43: A series of access roads are located throughout the Clovewood Site. View to the north from the southern tier of the Golf Course.



Photo 44: The landscape through the western portions of the Clovewood APE consisted of vegetation indicative of former agricultural fields. View of Area B.



Photo 45: Features of the former golf course are still evident within the landscape in Area E. View to the east of a bunker area.



Photo 46: Within the former golf course earth moving activities had taken place to remove some of the former infrastructure. View to the north.



Photo 47: The roadways bisect through the forested portion of the project area. View to the south in Area V.



Photo 48: Areas of standing water within the APE. View of a small wet area located west of the N.W. Howell house and east of the southern edge of the Golf Course.



Photo 49: The streams and other small drainages are located within steep ravines. View east of the steep ravine located within Area F.



Photo 50: A wetland and pond is located in the western portion of the project area. This wetland features a small dam at its southwestern tip. The 1958 aerial shows this dam is in place.



Photo 51: Areas of standing water are located in drainage ditch. View of standing water in Area F.



Photo 52: Pieces of drainage infrastructure were noted within the project area. They are likely associated with a late 19th century irrigation system on the property.



Photo 53: View of the dam located at the southern tip of the wetland. This dam is located 500' north of the M.H. Howell complex and is outside of the APE. Based on the cement and metal hardware, this feature was probably constructed during the late 19th century to early 20th century.



Photo 54: Remnants of a fireplace located on the southern wall of the M. H. Howell foundation structure. View to the east.



Photo 55: The various walls of the Howell foundation show several different construction styles. View to the north.



Photo 56: A small well was identified adjacent to the southeastern corner of the main structure. Well is approximate 4' in diameter.



Photo 57: The Howell family cemetery is located to the north of the M.H. Howell Complex.



Photo 58: View of the marker for Stephen Howell.

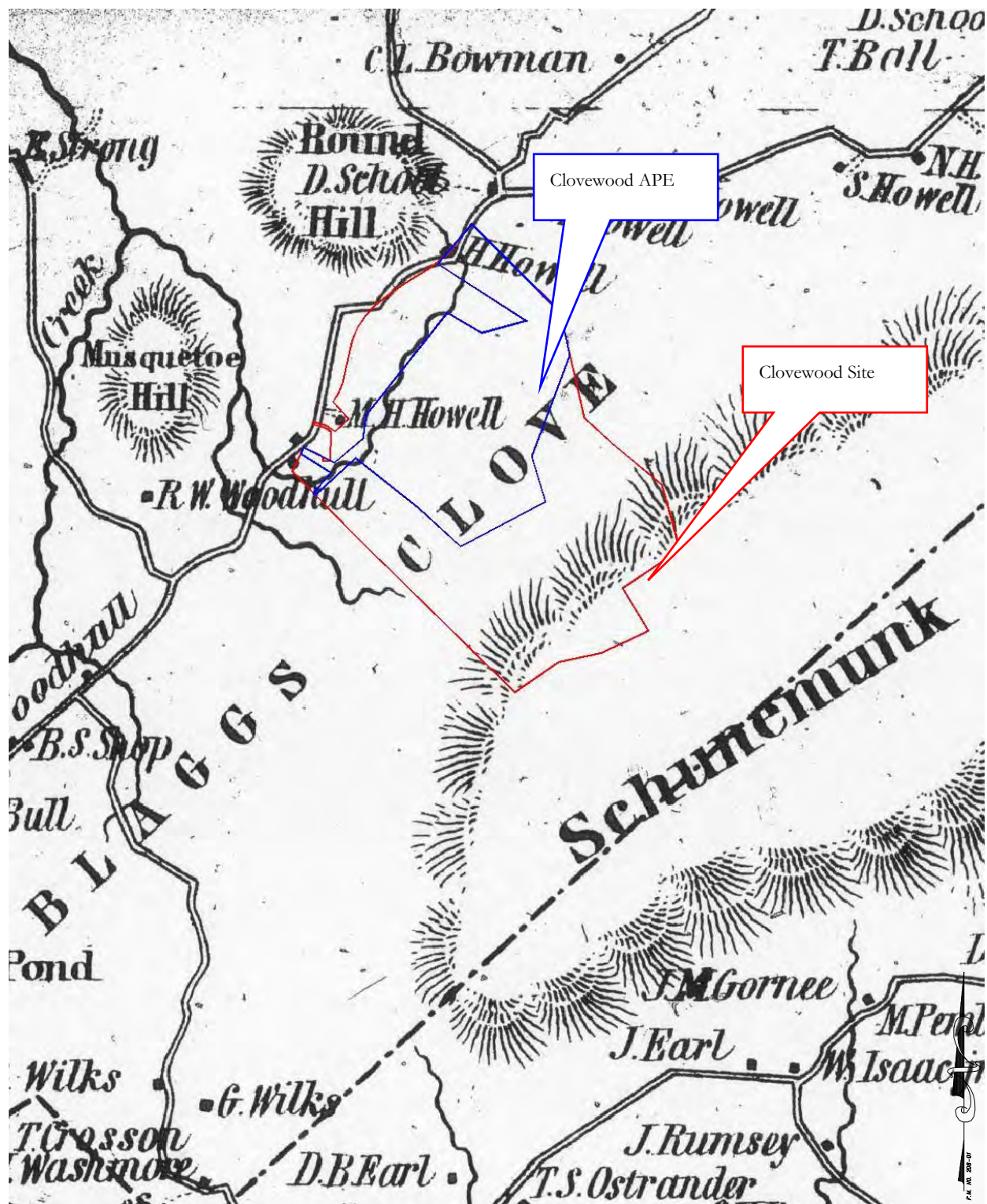


Photo 59: View south from the edge of the knoll on which the cemetery is located across the open fields located to the west of the wetland.

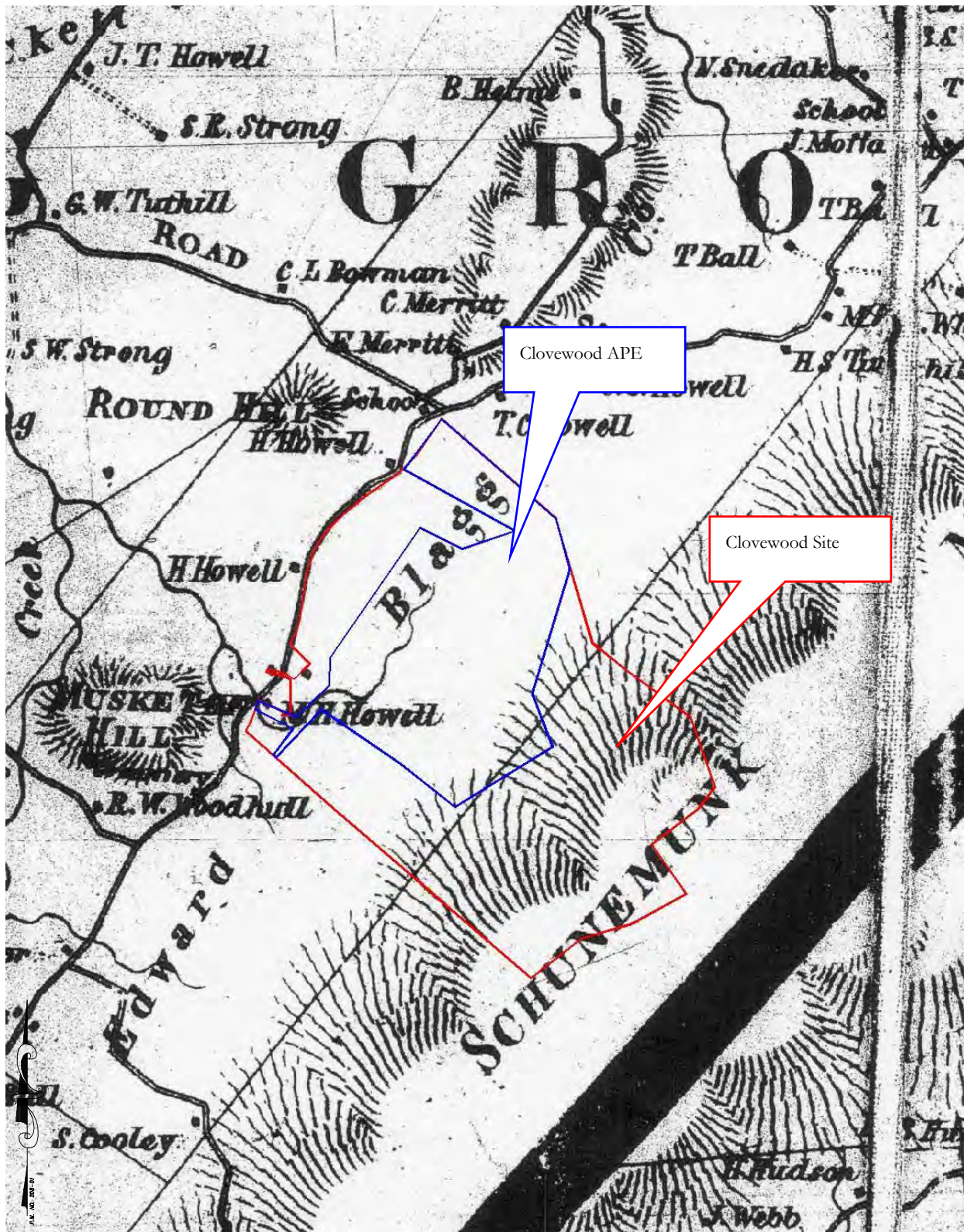
Appendix B: Clovewood Site Historic Maps

List of Figures

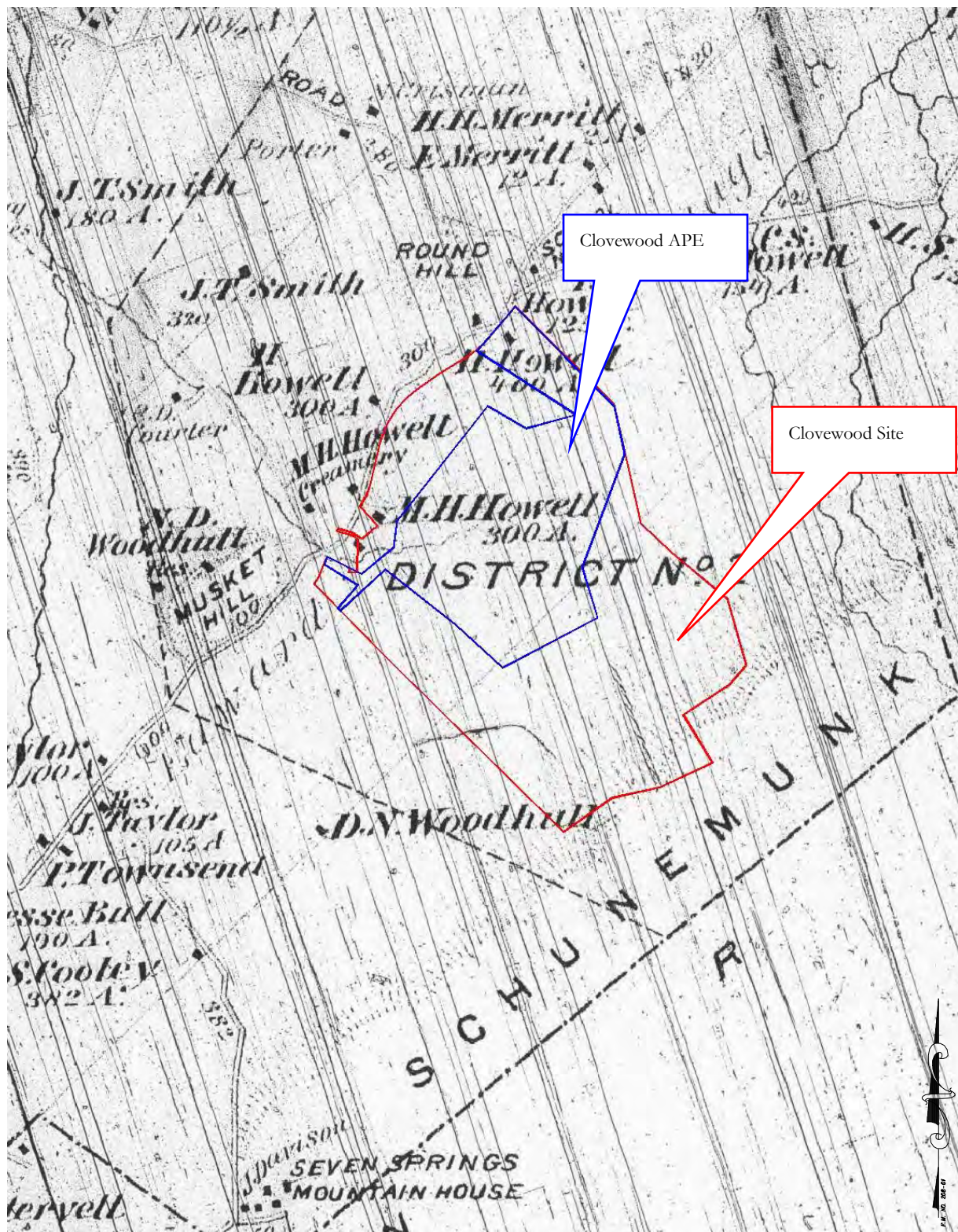
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- Map 2: 1859 French, H.H. *Map of Orange and Rockland Counties, New York*. Scale: 1"= 2940'. Source: New York State Archives.
- Map 3: 1875 F.W. Beers. *Atlas of the County of Orange, New York*. Scale: 1"= 3150'. Source: New York State Archives.
- Map 4: 1903 J. M. Lathrop's *Atlas of Orange County, New York* Scale: 1"= 2445'. Source: New York State Archives.
- Map 5: 1935 USGS Topographical Map. Schunemunk Quadrangle. Scale: 1"= 1850'. Source: USGS.gov.
- Map 6: 1957 USGS Topographical Map. Maybrook and Monroe Quadrangles. Scale: 1"= 1645'. Source: USGS.gov.



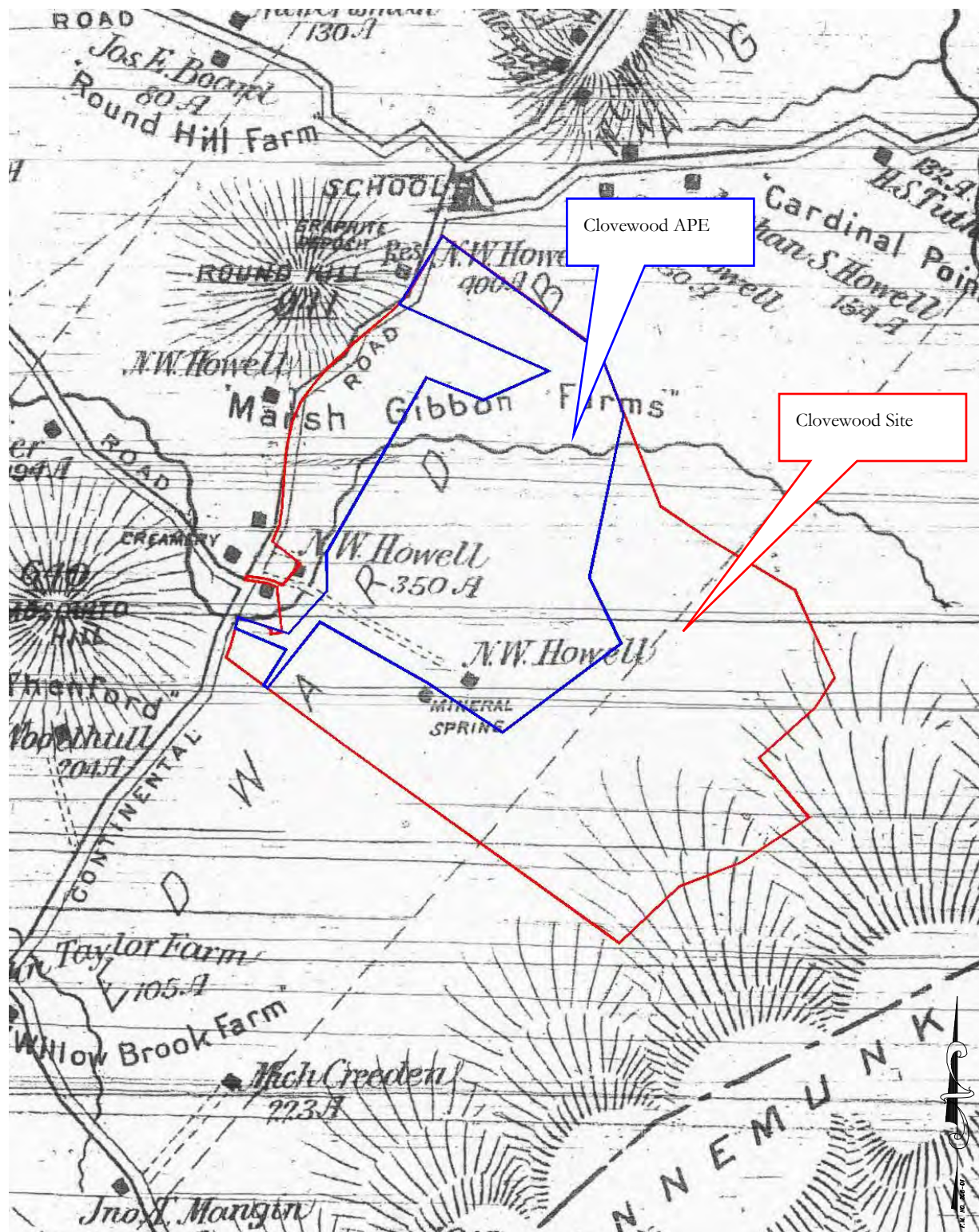
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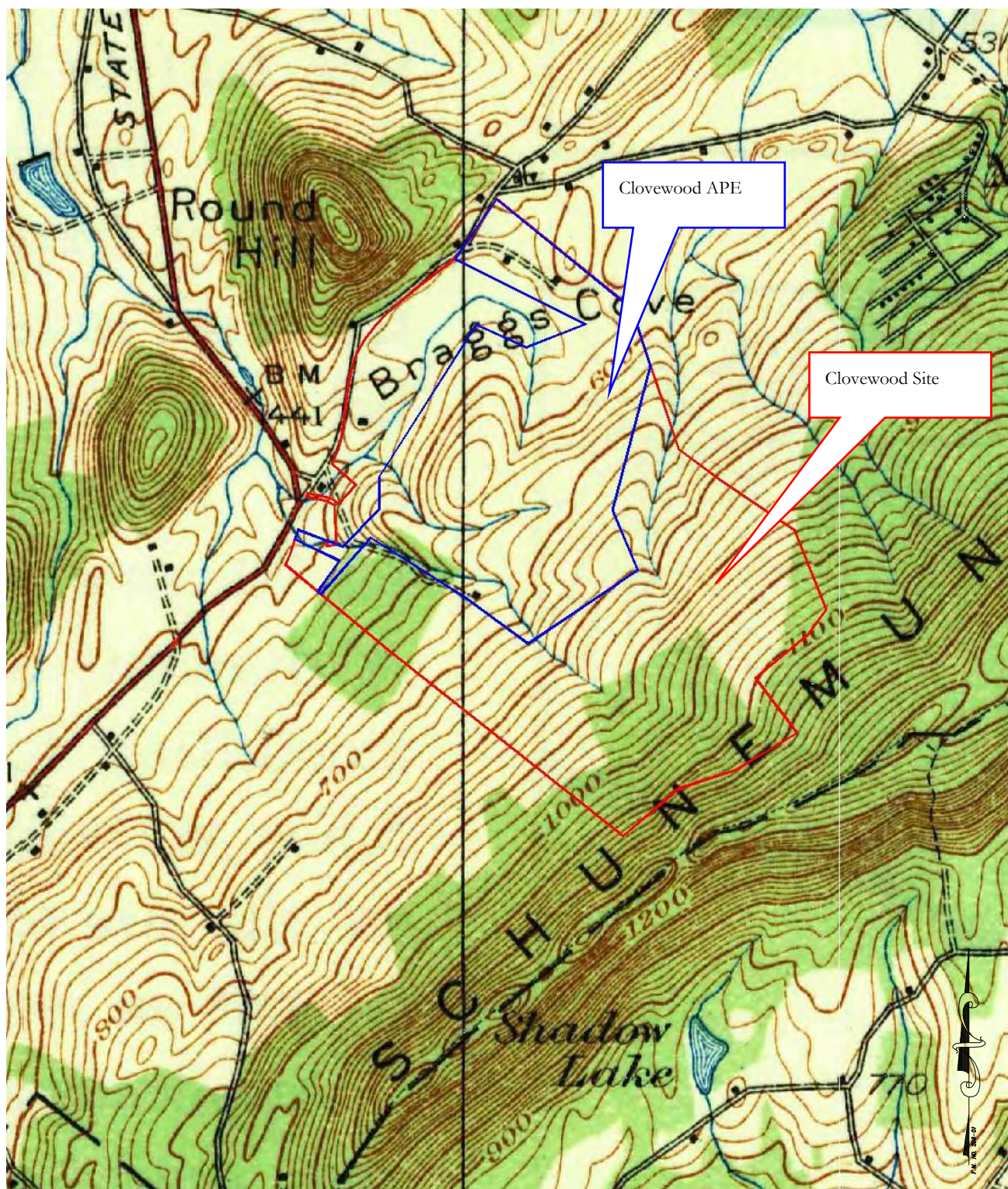
Map 2: 1859 French, H.H. *Map of Orange and Rockland Counties, New York*. Scale: 1"= 2940'. Source: New York State Archives.



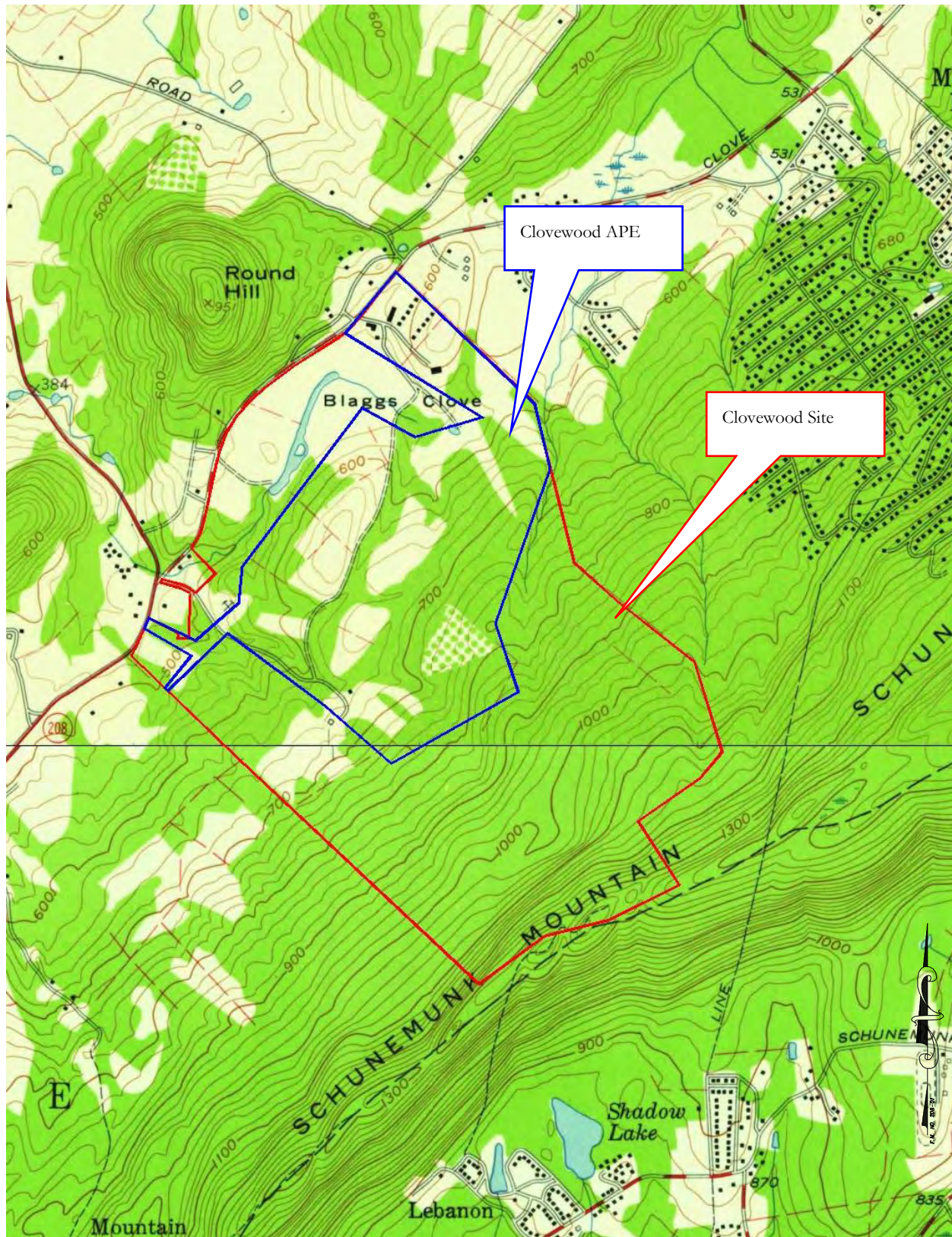
Map 3: 1875 F.W. Beers. *Atlas of the County of Orange, New York*. Scale: 1"= 3150'. Source: New York State Archives.



Map 4: 1903 J. M. Lathrop's *Atlas of Orange County, New York* Scale: 1"= 2445'. Source: New York State Archives.



Map 5: 1935 USGS Topographical Map. Schunemunk Quadrangle. Scale: 1"= 1850'. Source: USGS.gov.



Map 6: 1957 USGS Topographical Map. Maybrook and Monroe Quadrangles. Scale: 1"= 1645'. Source: USGS.gov.

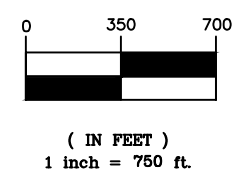
Appendix C: Clovewood Site Field Reconnaissance Maps









NORTH

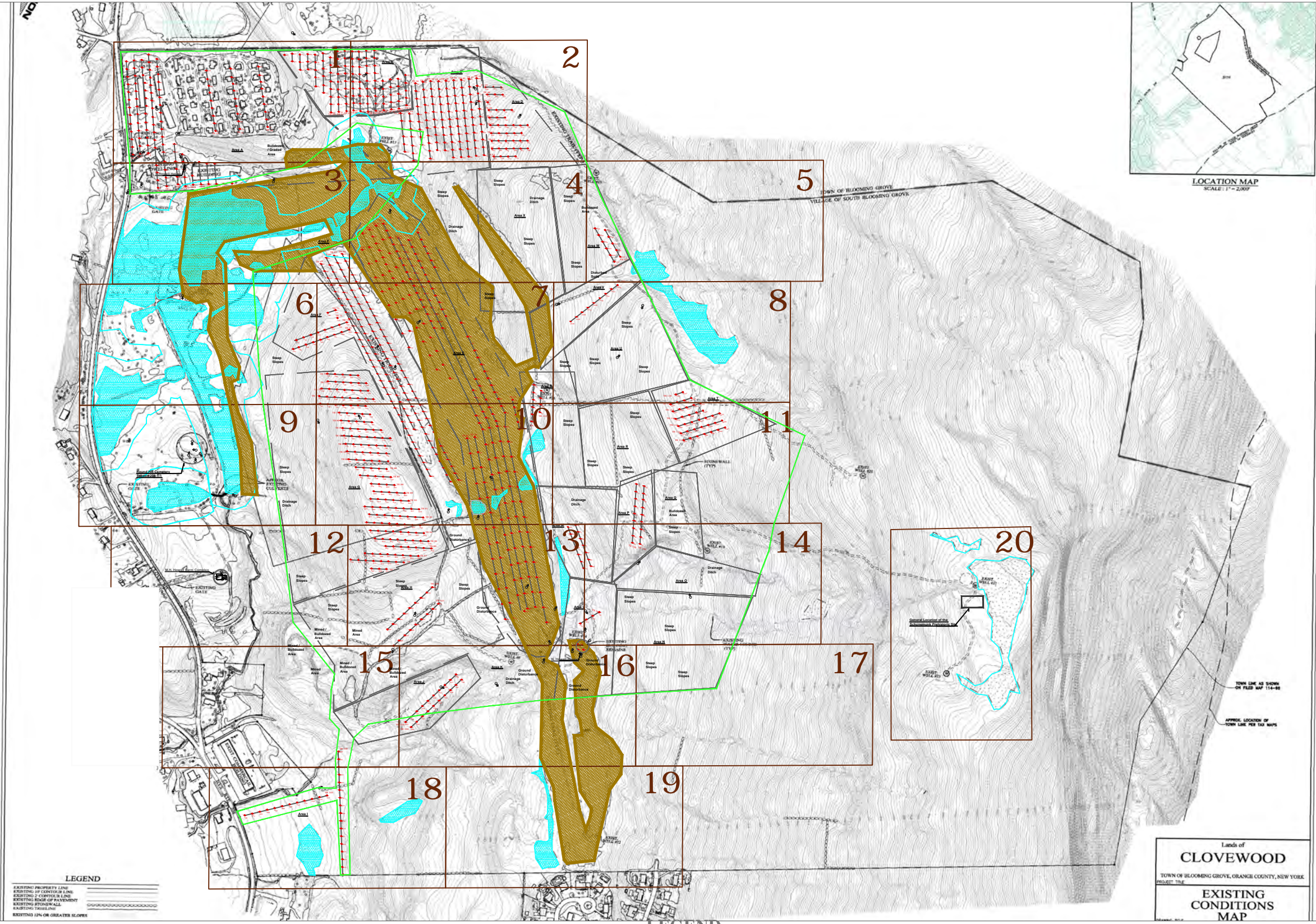


HUDSON VALLEY
Cultural Resource Consultants, Ltd.

Figure 4: Clovewood Site APE
Key for Field Reconnaissance Map
Showing Landscape Features and Test Areas
Scale 1" = 750'



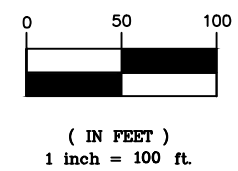
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|  ST | Sterile Shovel Test Location |  | Area Designated as the Lake Ann Golf Course |
|  | Photographic View |  | Areas of Standing Water or Wetland |
|  | Phase 1B Testing Sub Areas |  | Areas of Slope >12% |
|  | Clovewood APE |  | Existing Structures |





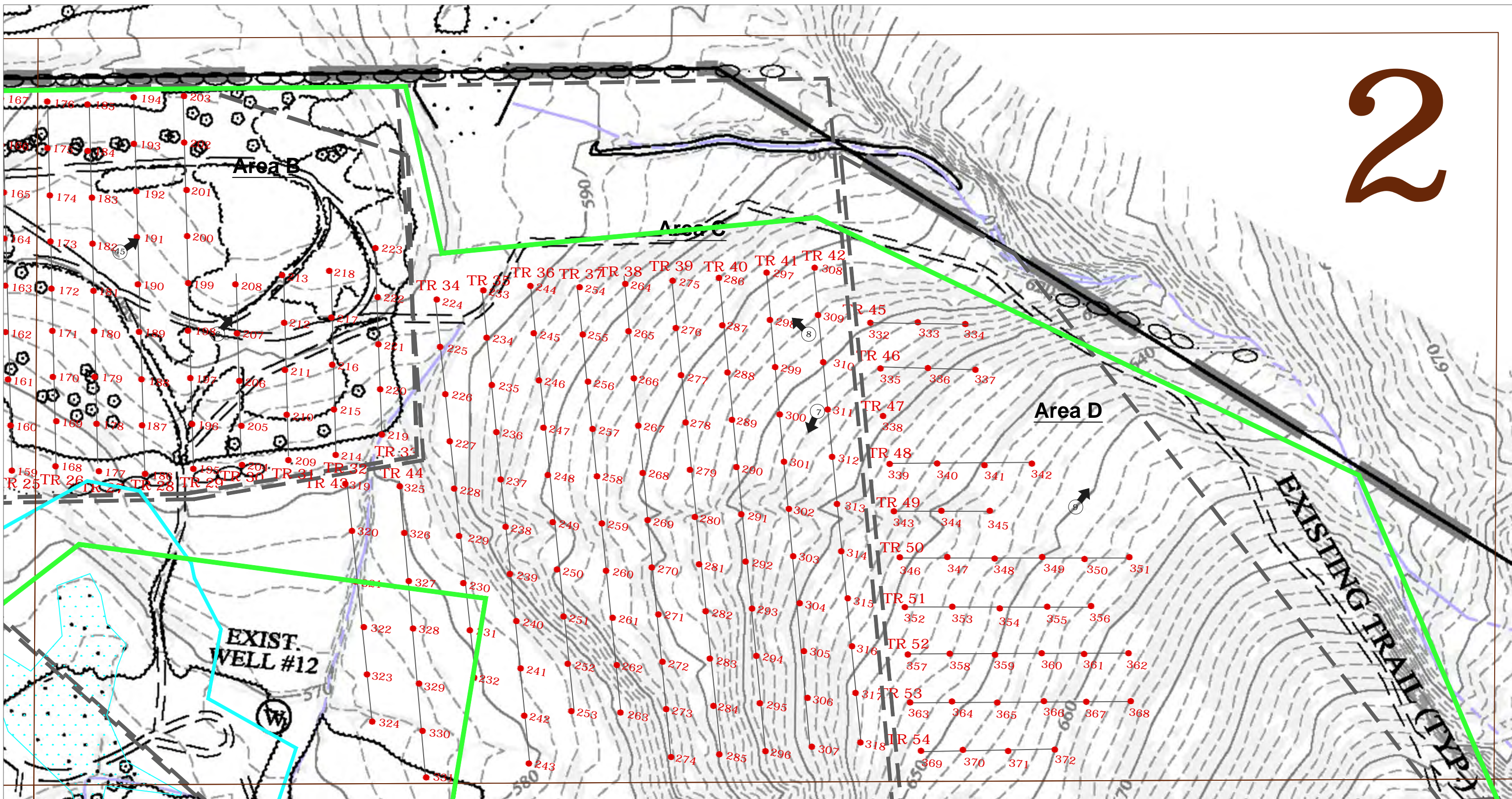
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Figure 5.1: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



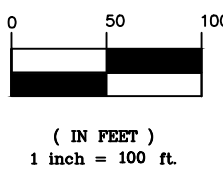
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| ● ST | Sterile Shovel Test Location | | Areas of Standing Water or Wetland |
| ①➡ | Photographic View | | Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | | Areas of Slope >12% |
| | | | Clovewood APE |



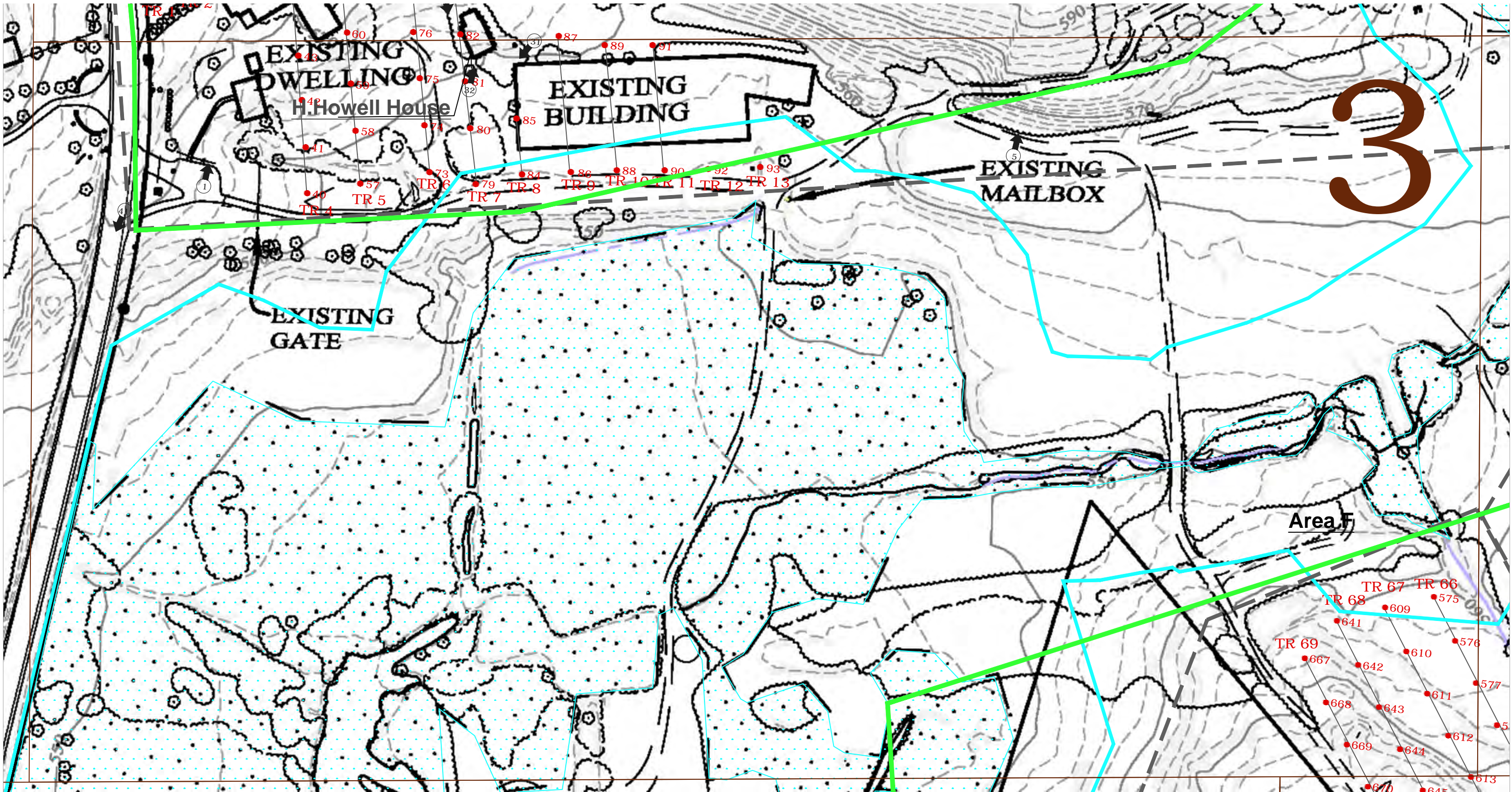
HUDSON VALLEY
Cultural Resource Consultants, Ltd.

Figure 5.2: Clovewood Site APE
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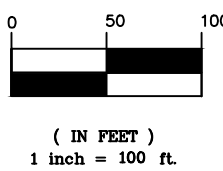
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- ST Sterile Shovel Test Location
- ①➡ Photographic View
- Phase 1B Testing Sub Areas
- Areas of Standing Water or Wetland
- Wetland Buffer
- Areas of Slope >12%
- Clovewood APE



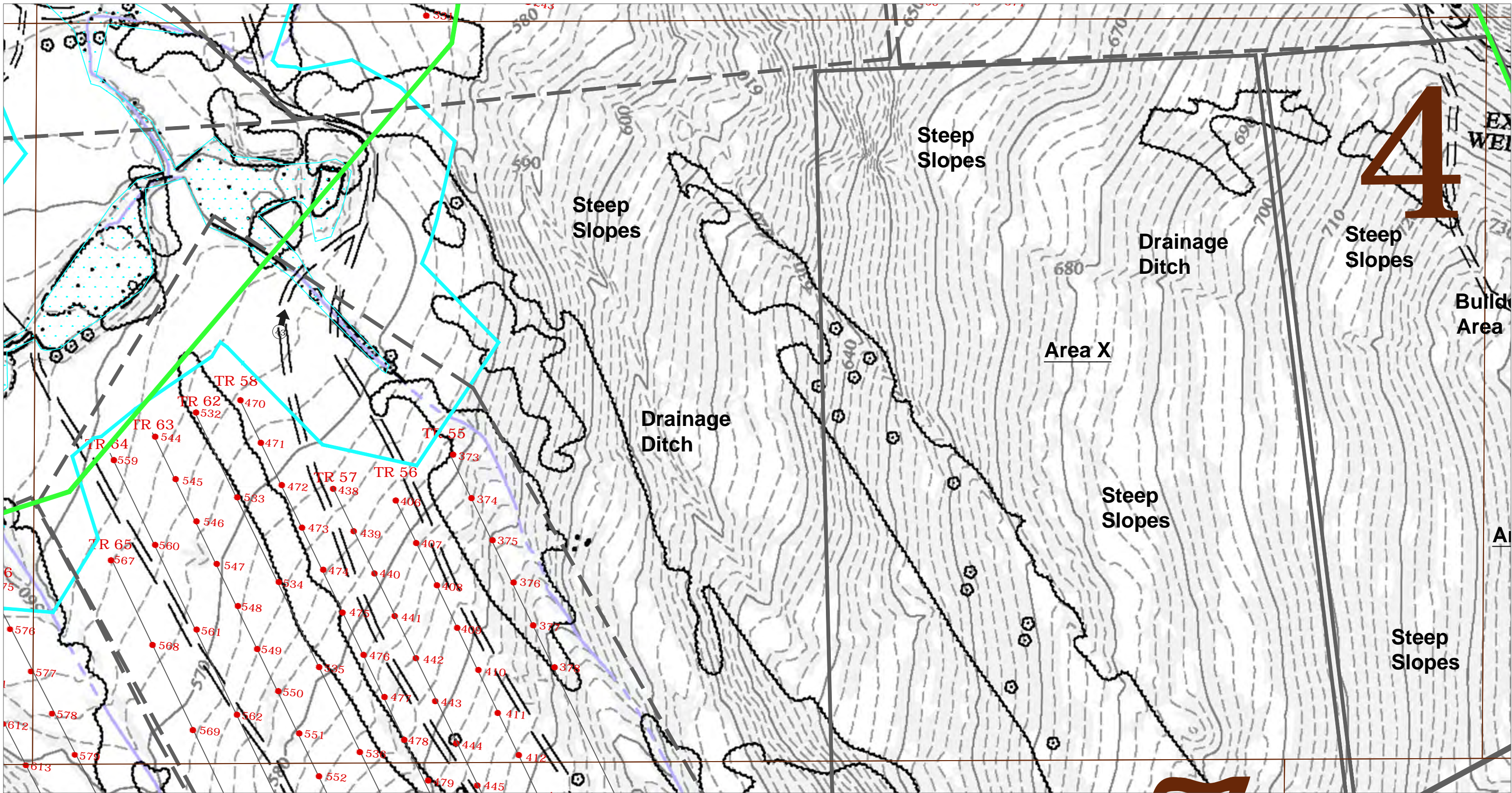
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Figure 5.3: Clovewood Site APE
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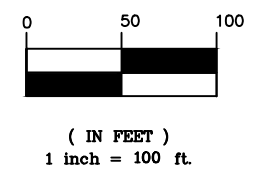
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| ● ST | Sterile Shovel Test Location | | Areas of Standing Water or Wetland |
| ①➡ | Photographic View | | Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | | Areas of Slope >12% |
| | | | Clovewood APE |



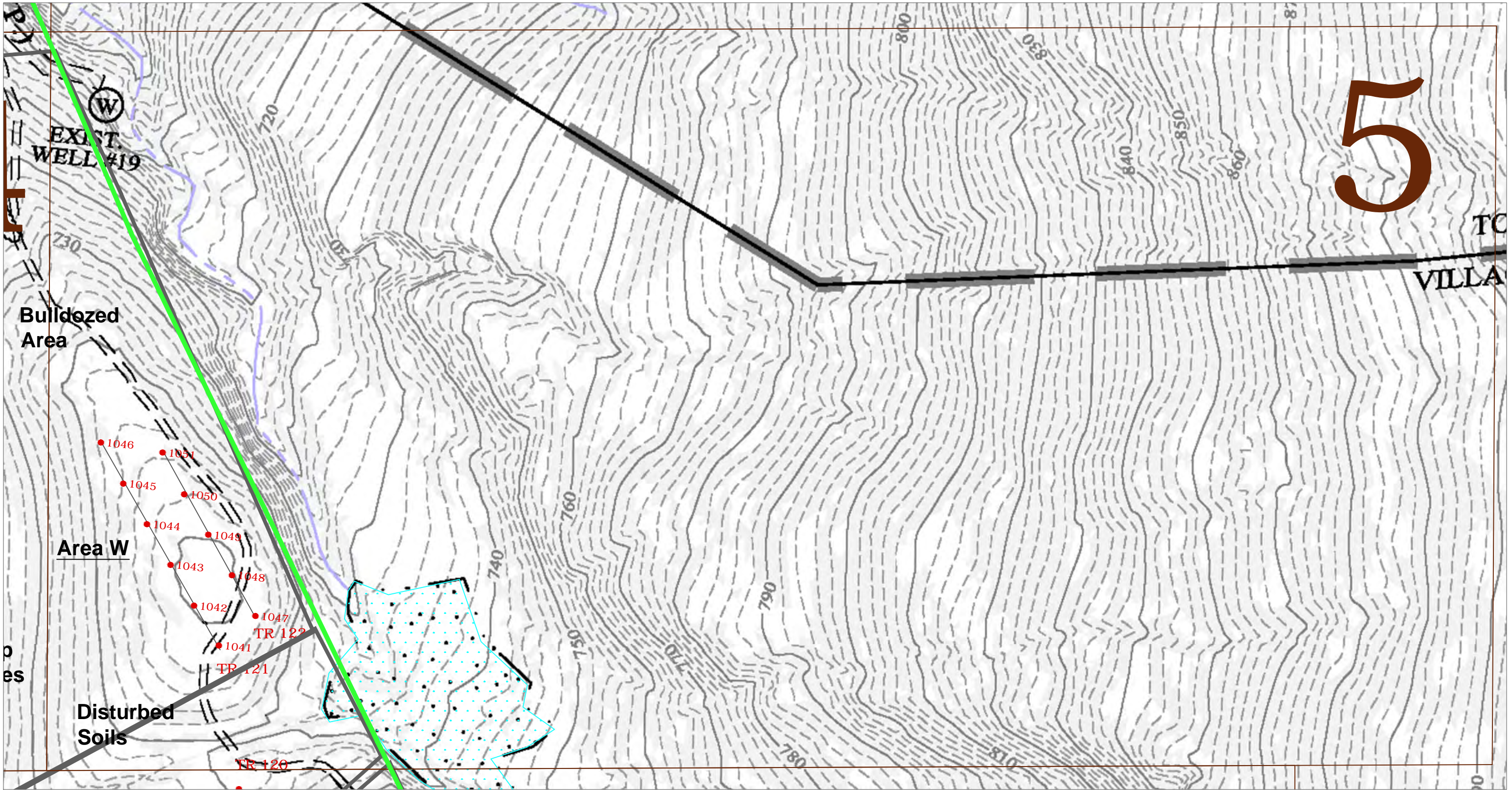
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Figure 5.4: Clovewood Site APE
Phase 1B Field Reconnaissance Map
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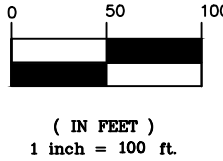
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| ①➡ | Photographic View | — Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | ■ Areas of Slope >12% |
| | | — Clovewood APE |



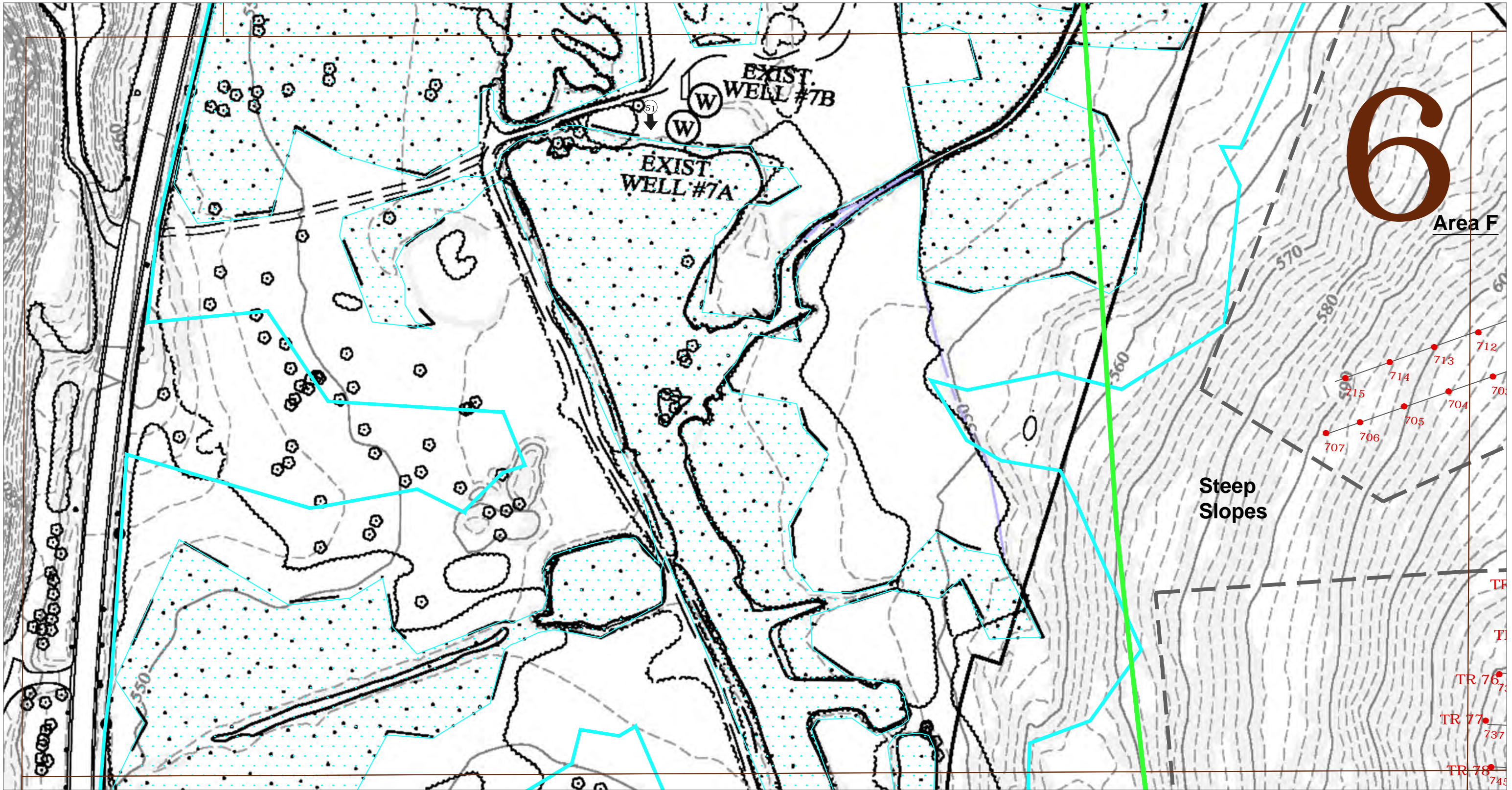
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Figure 5.5: Clovewood Site APE
Phase 1B Field Reconnaissance Map
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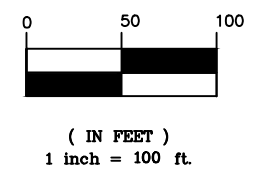
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| ● ST | Sterile Shovel Test Location | ■ Areas of Standing Water or Wetland |
| ➡ 1 | Photographic View | ■ Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | ■ Areas of Slope >12% |
| | | ■ Clovewood APE |



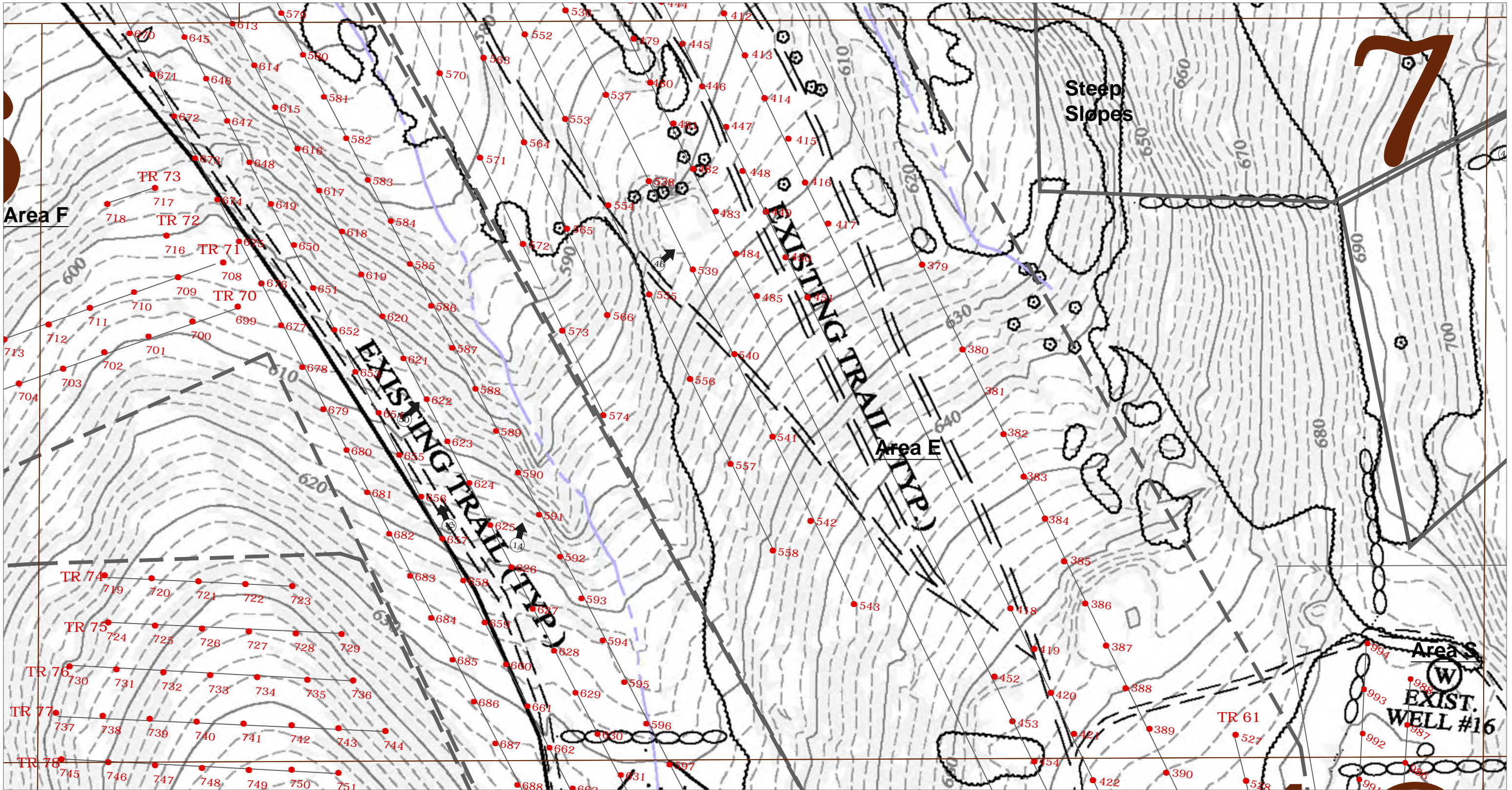
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Figure 5.6: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



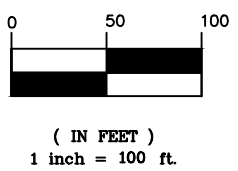
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- ST Sterile Shovel Test Location
- ① → Photographic View
- Phase 1B Testing Sub Areas
- Areas of Slope >12%
- Clovewood APE
- Areas of Standing Water or Wetland
- Wetland Buffer



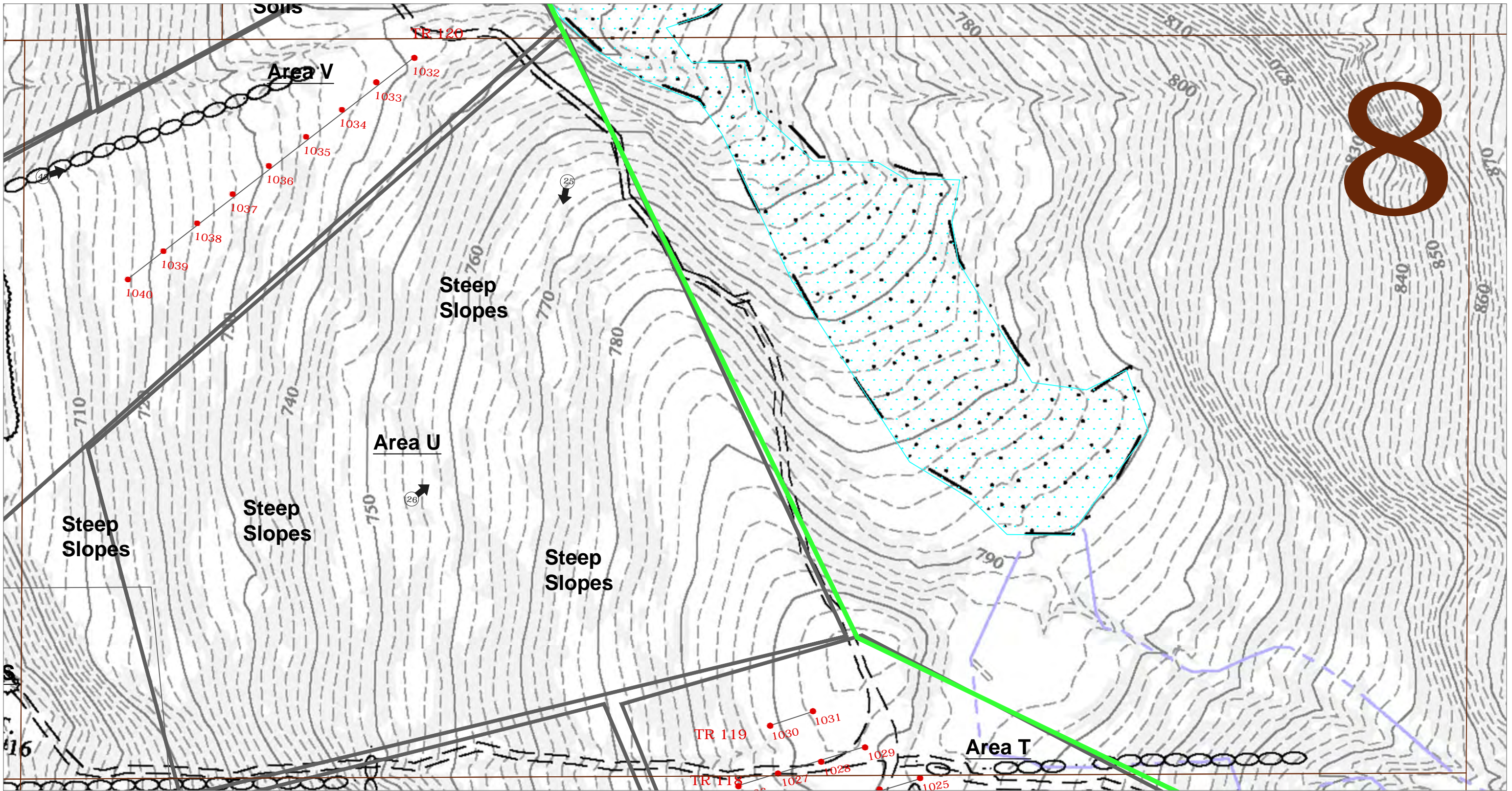
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Figure 5.7: Clovewood Site APE
Phase 1B Field Reconnaissance Map
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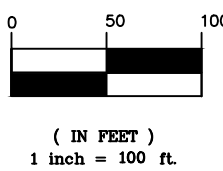
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| ● ST | Sterile Shovel Test Location | Areas of Standing Water or Wetland |
| ①➡ | Photographic View | Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | Areas of Slope >12% |
| | | Clovewood APE |



HUDSON VALLEY
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Figure 5.8: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



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|------|------------------------------|---|------------------------------------|
| ● ST | Sterile Shovel Test Location | ■ | Areas of Standing Water or Wetland |
| ①➡ | Photographic View | — | Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | ■ | Areas of Slope >12% |
| | | — | Clovewood APE |

9

53

Round Hill Cemetery
Section 208-1-1

EXISTING
GATE

APPROX.
EXISTING
CULVERTS

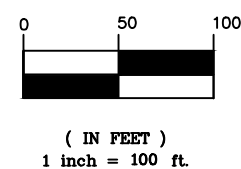
Steep
Slopes

Drainage
Ditch

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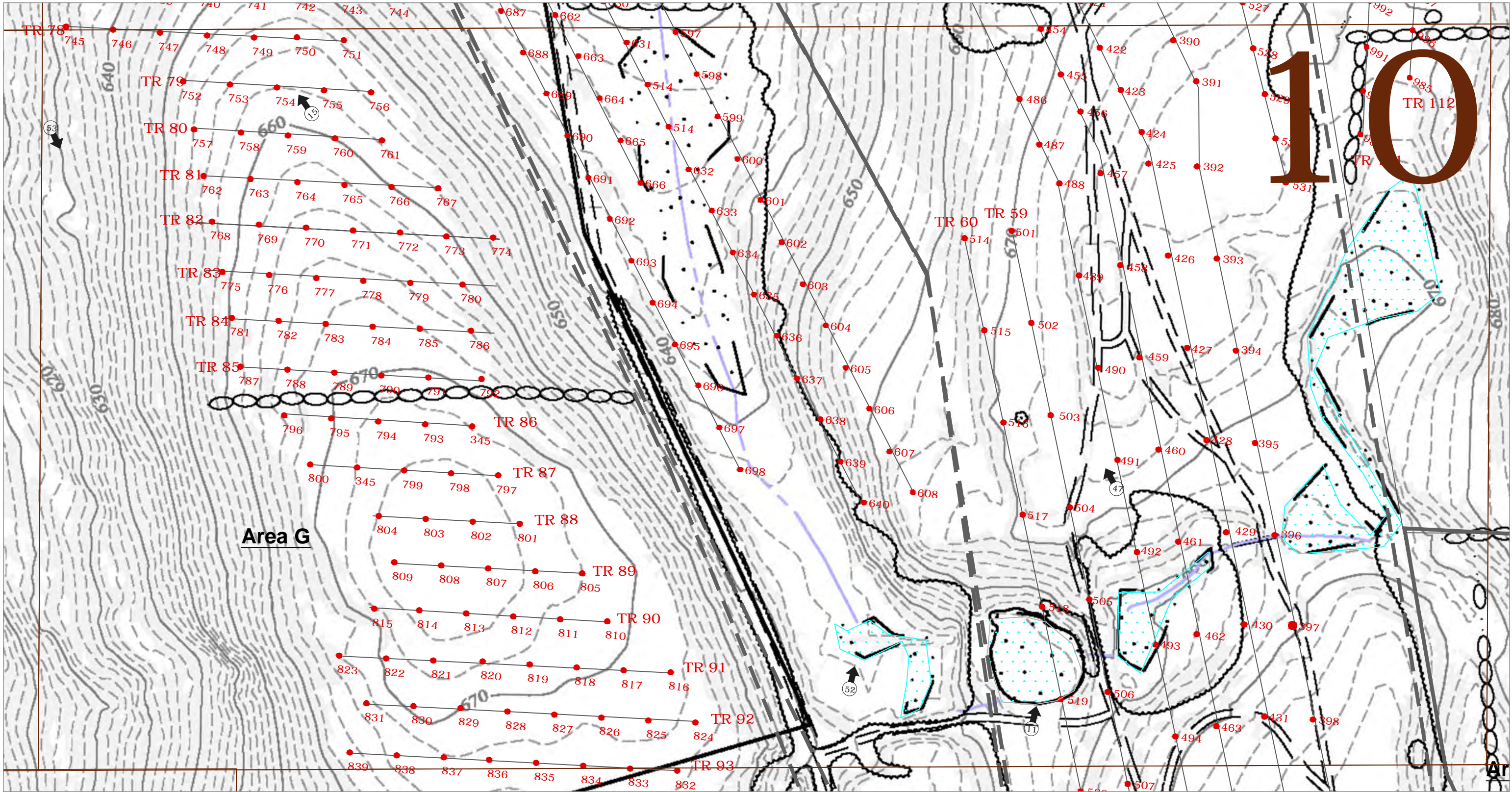
- ST Sterile Shovel Test Location
- ① → Photographic View
- Phase 1B Testing Sub Areas

- Areas of Standing Water or Wetland
- Wetland Buffer
- Areas of Slope >12%
- Clovewood APE



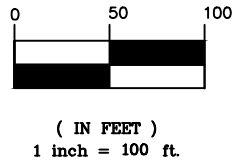
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Cultural Resource Consultants, Ltd.

Figure 5.9: Clovewood Site APE
Phase 1B Field Reconnaissance Map
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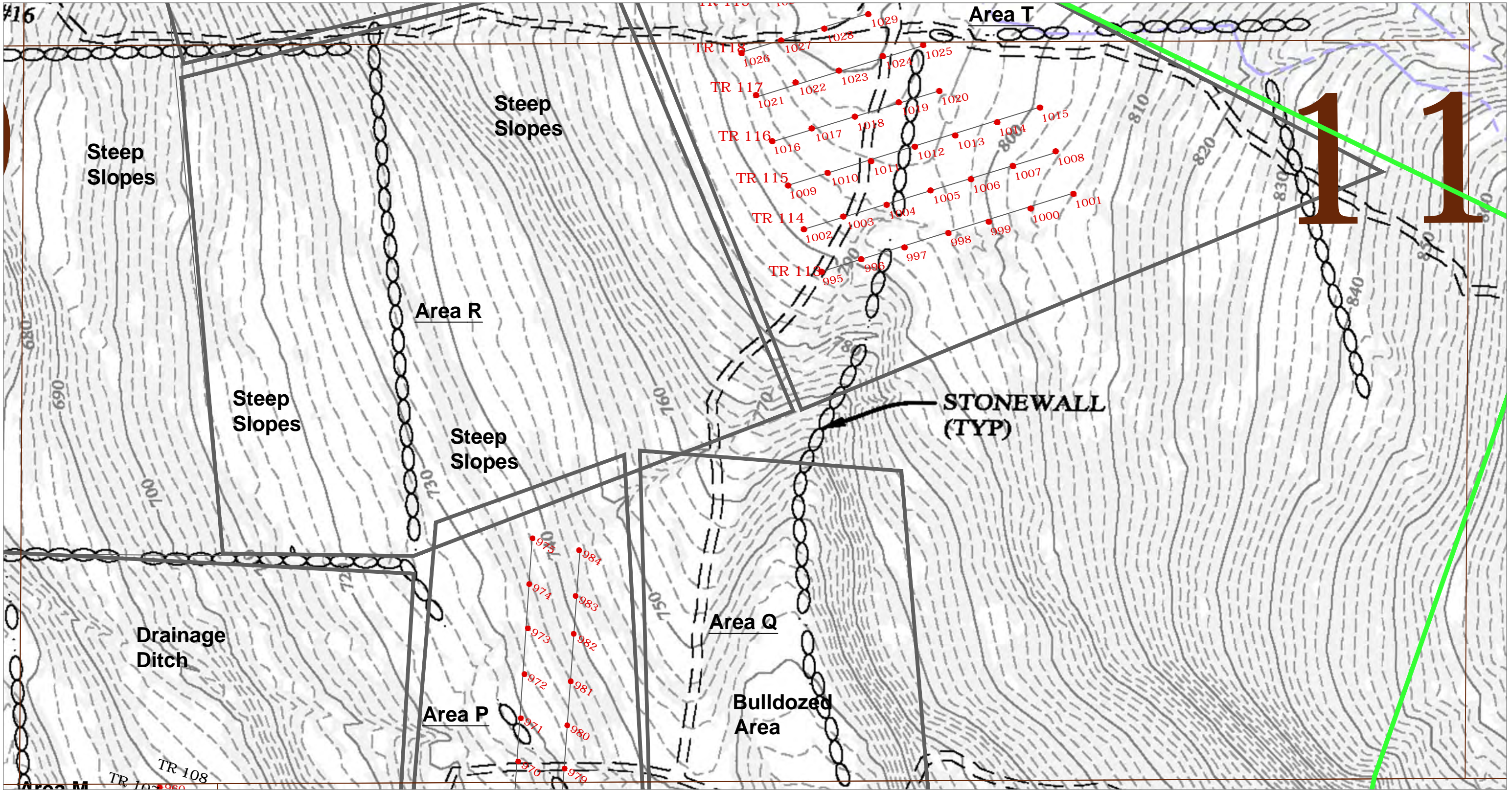
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Cultural Resource Consultants, Ltd.

Figure 5.10: Clovewood Site APE
Phase 1B Field Reconnaissance Map
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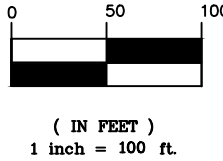
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| --- | Phase 1B Testing Sub Areas | ■ Areas of Slope >12% |
| | | — Clovewood APE |



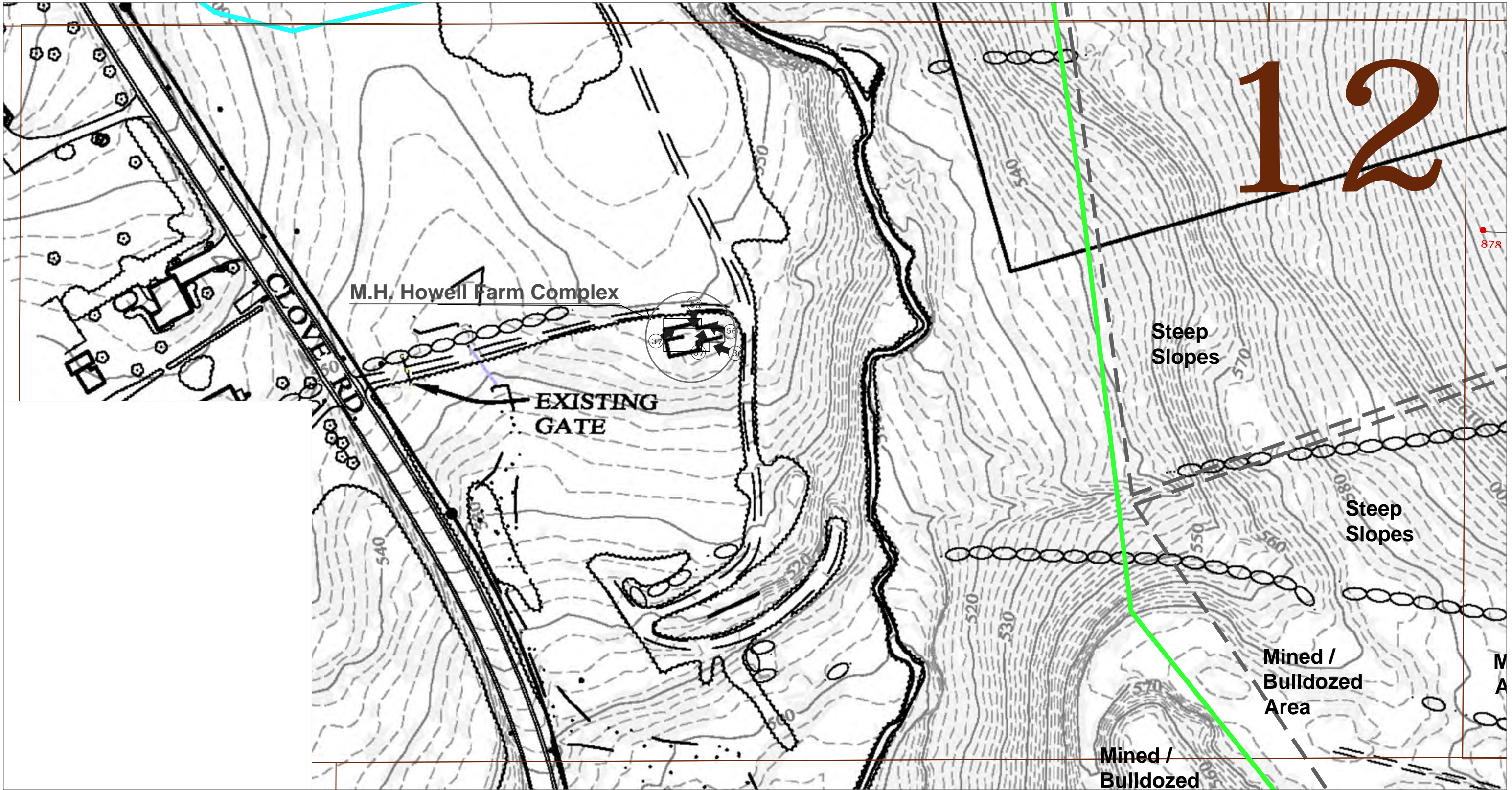
HUDSON VALLEY
Cultural Resource Consultants, Ltd.

Figure 5.11: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



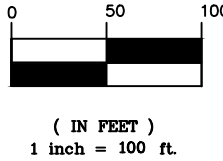
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| --- | Phase 1B Testing Sub Areas | Areas of Slope >12% |
| | | Clovewood APE |



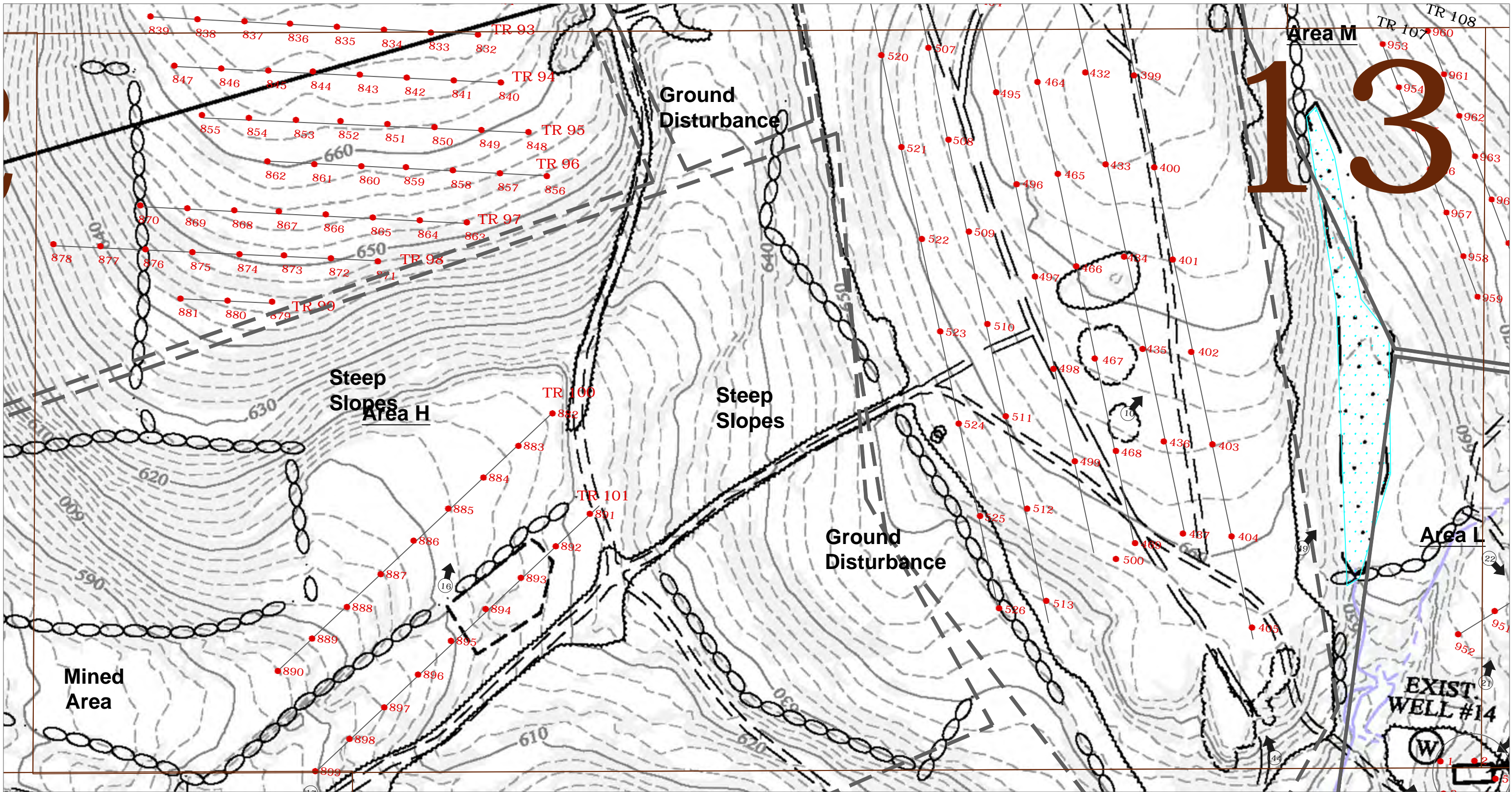
HUDSON VALLEY
Cultural Resource Consultants, Ltd.

Figure 5.12: Clovewood Site APE
Phase 1B Field Reconnaissance Map
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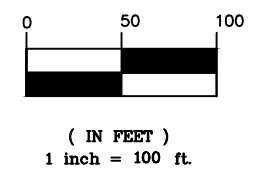
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| | | — | Clovewood APE |



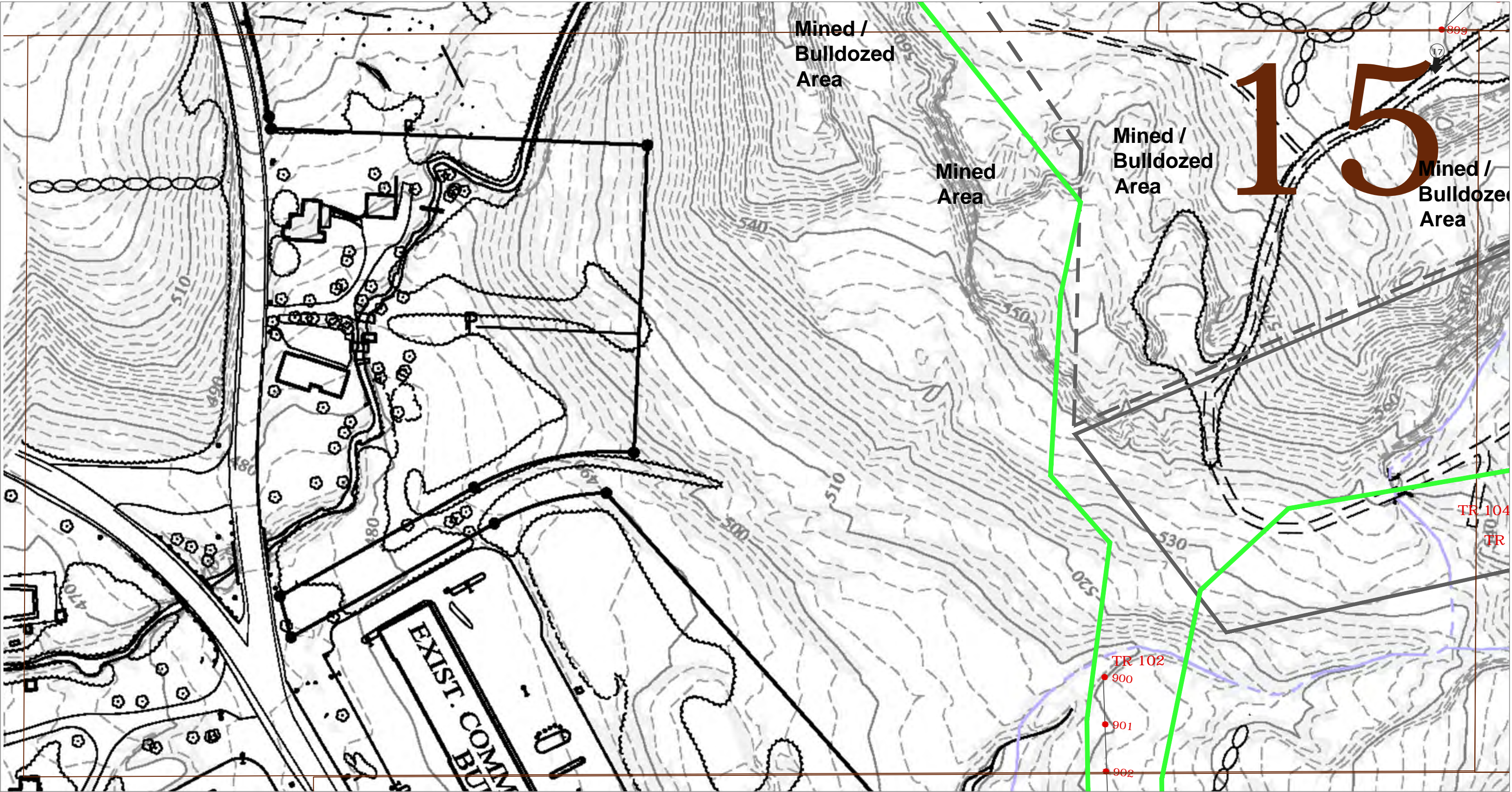
HUDSON VALLEY
Cultural Resource Consultants, Ltd.

Figure 5.13: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



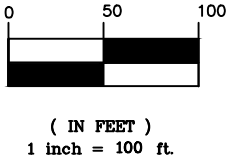
LEGEND

- | | | | |
|------|------------------------------|---|------------------------------------|
| ● ST | Sterile Shovel Test Location | ■ | Areas of Standing Water or Wetland |
| ①➡ | Photographic View | — | Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | ■ | Areas of Slope >12% |
| | | — | Clovewood APE |



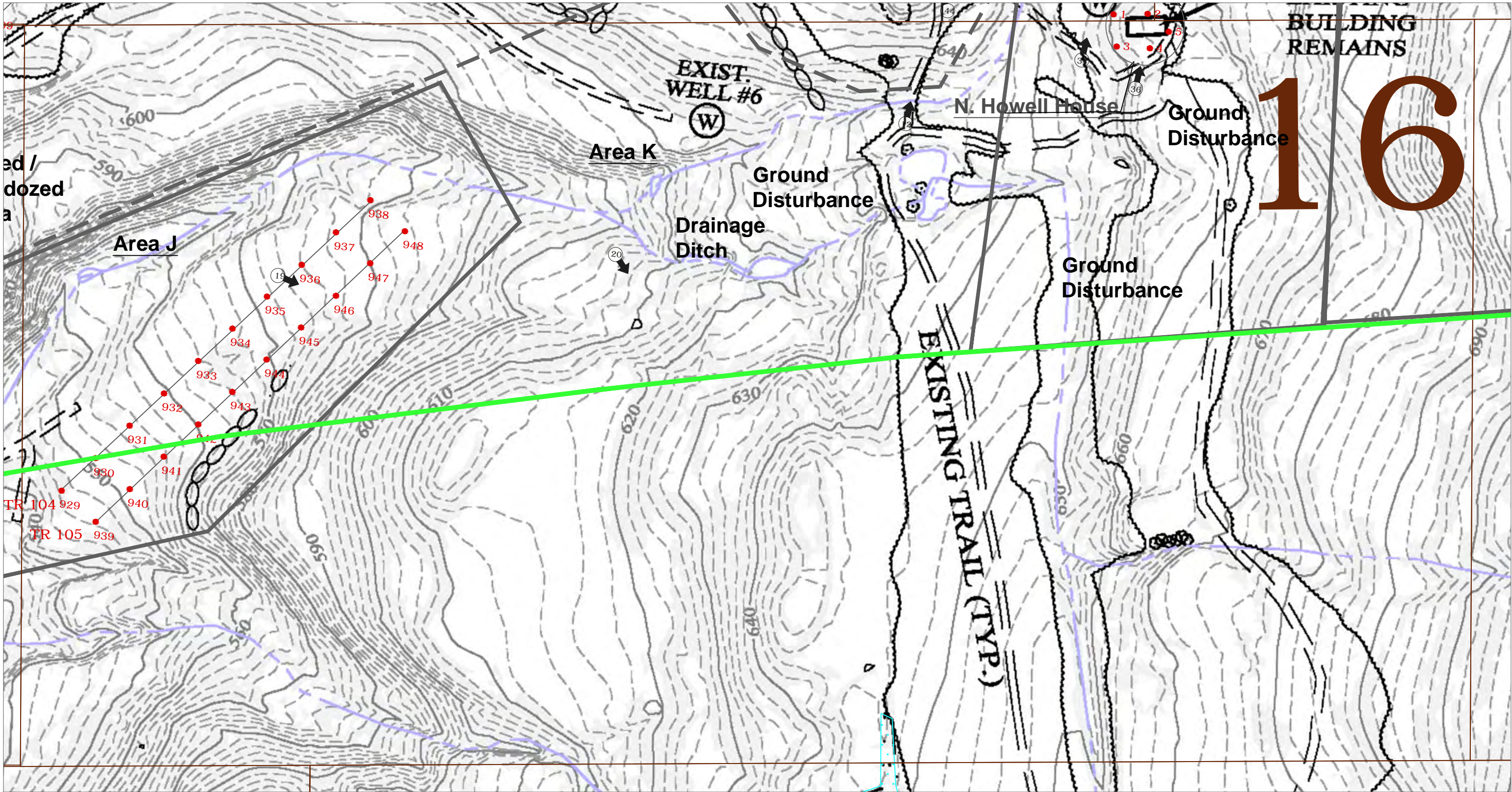
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Figure 5.15: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



LEGEND

- | | | | |
|------|------------------------------|---|------------------------------------|
| ● ST | Sterile Shovel Test Location | ■ | Areas of Standing Water or Wetland |
| ➔ ① | Photographic View | — | Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | ■ | Areas of Slope >12% |
| | | — | Clovewood APE |

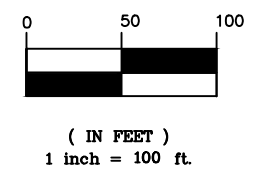


16



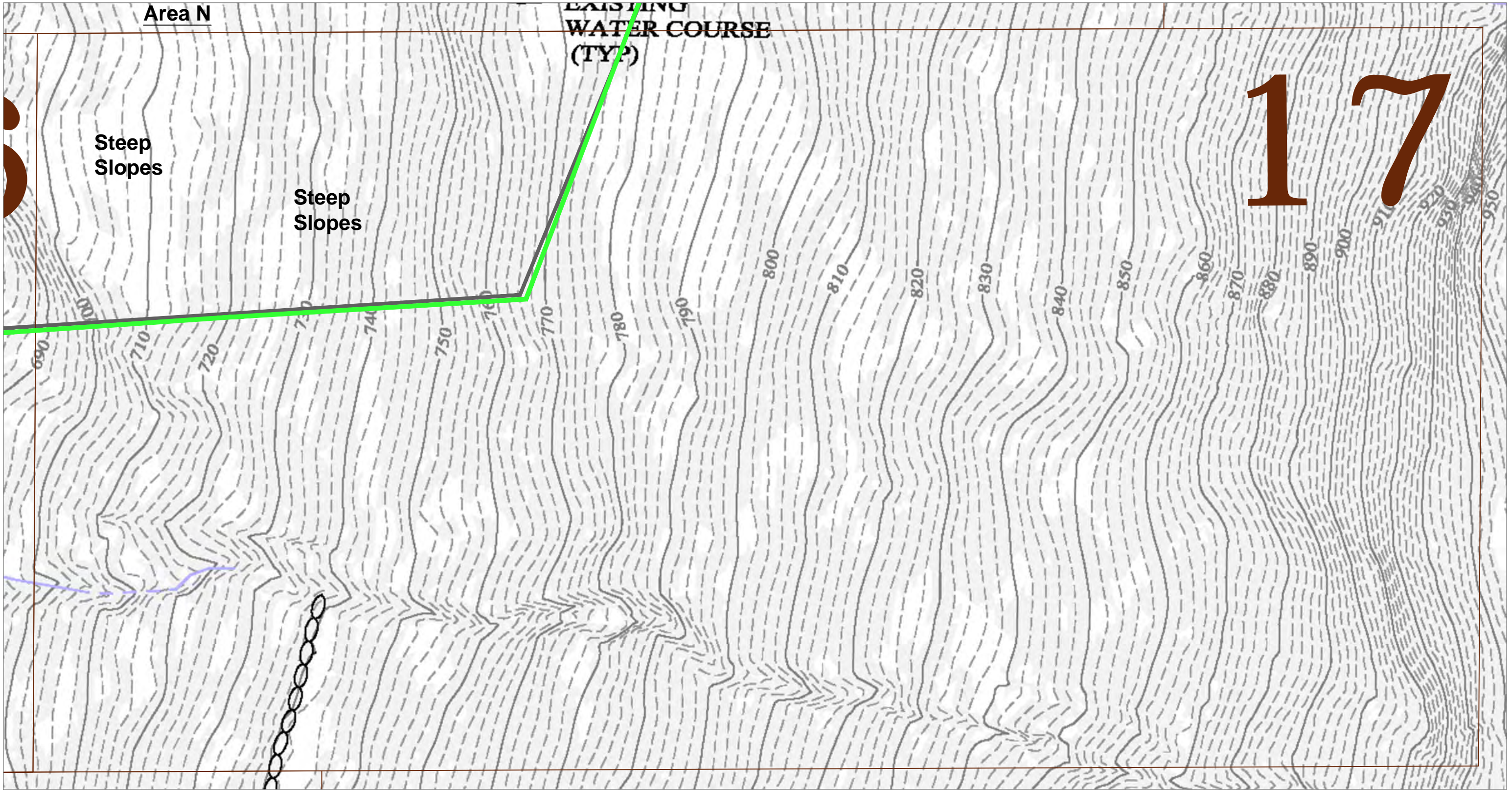
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Figure 5.16: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



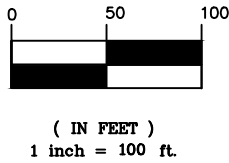
LEGEND

- ST Sterile Shovel Test Location
- 1 → Photographic View
- Phase 1B Testing Sub Areas
- Areas of Standing Water or Wetland
- Wetland Buffer
- Areas of Slope >12%
- Clovewood APE










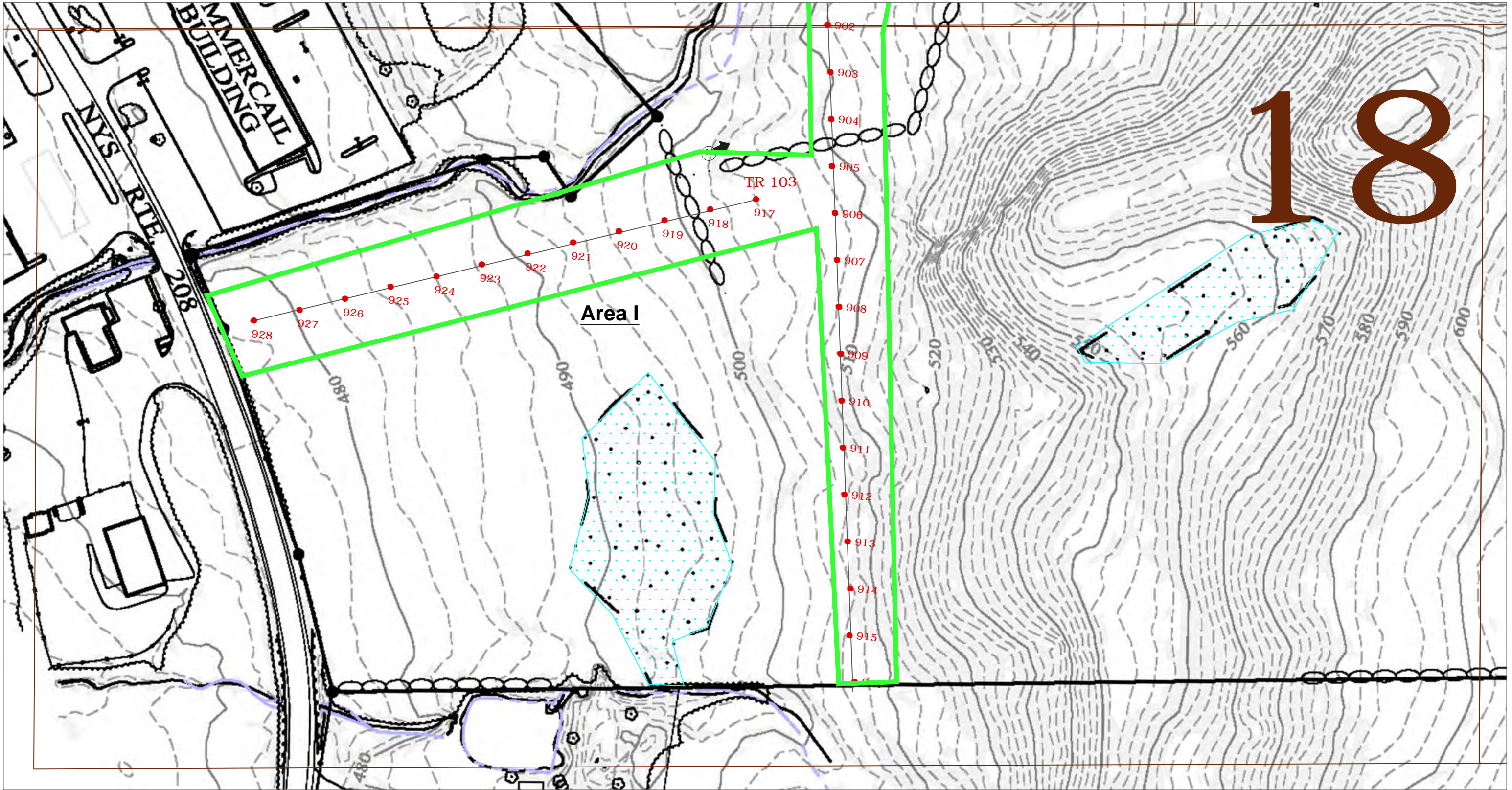
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Figure 5.17: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



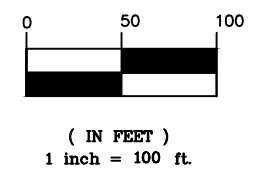
LEGEND

- | | | | |
|---|------------------------------|---|------------------------------------|
|  | Sterile Shovel Test Location |  | Areas of Standing Water or Wetland |
|  | Photographic View |  | Wetland Buffer |
|  | Phase 1B Testing Sub Areas |  | Areas of Slope >12% |
| | |  | Clovewood APE |



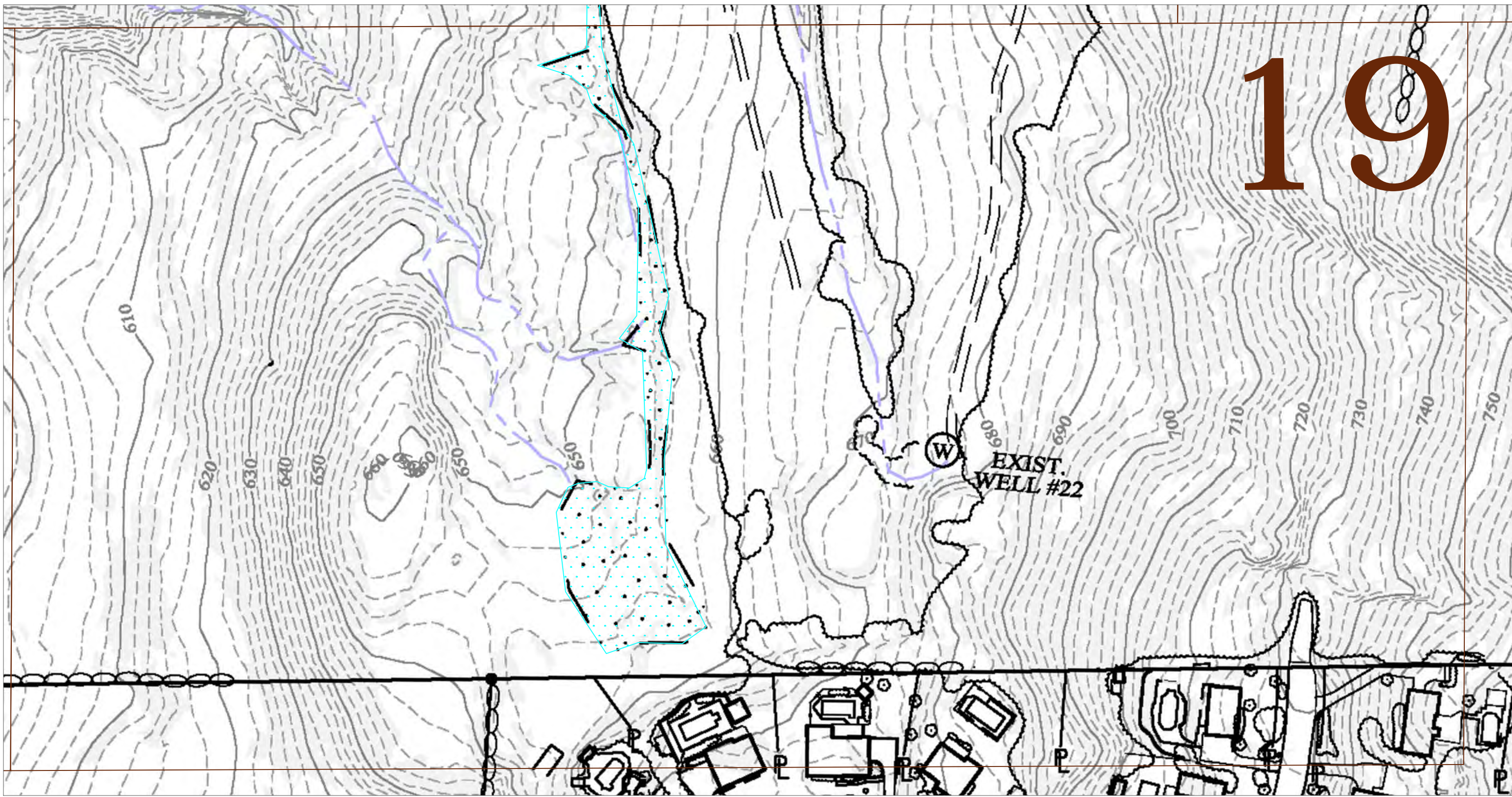
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Figure 5.18: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



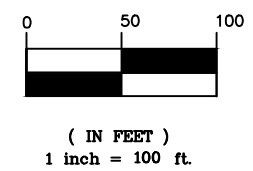
LEGEND

- | | | |
|------|------------------------------|--------------------------------------|
| ● ST | Sterile Shovel Test Location | ■ Areas of Standing Water or Wetland |
| ①➡ | Photographic View | — Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | ■ Areas of Slope >12% |
| | | — Clovewood APE |



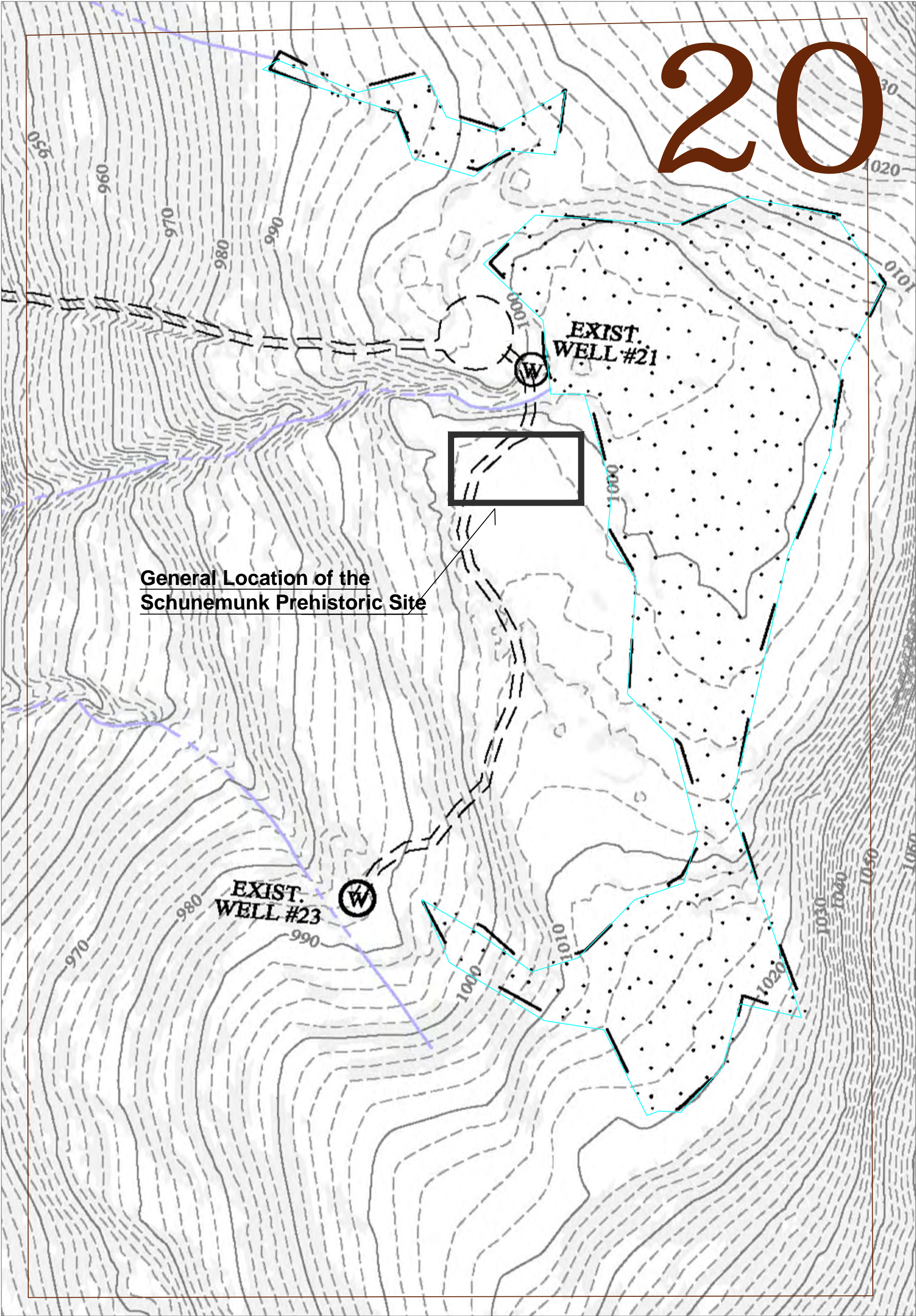
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Figure 5.19: Clovewood Site APE
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



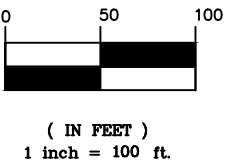
LEGEND

- | | | | |
|---------|------------------------------|------------|------------------------------------|
| ●
ST | Sterile Shovel Test Location | ■
Cyan | Areas of Standing Water or Wetland |
| ➡
① | Photographic View | —
Cyan | Wetland Buffer |
| --- | Phase 1B Testing Sub Areas | ■
Grey | Areas of Slope >12% |
| | | —
Green | Clovewood APE |



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Figure 6: Schunemunk Prehistoric Site
Phase 1B Field Reconnaissance Map
Scale 1" = 100'



LEGEND

-  Areas of Standing Water or Wetland
-  Areas of Slope >12%

Appendix D: Shovel Test Records

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 1	1	1	0-5	0-13	10YR4/3	Brown gavel fill	NCM
	2	1	0-5	0-13	10YR4/3	Brown gavel fill	NCM
	3	1	0-3	0-8	10YR3/3	Dark brown silty loam with gravel	NCM
		2	3-7	8-22	10YR4/2	Dark gray brown compact silty sand with gravel	NCM
	4	1	0-4	0-9	10YR3/3	Dark brown silty loam with gravel	NCM
		2	4-7	9-19	10YR4/2	Dark gray brown compact silty sand with gravel	NCM
	5	1	0-11	0-29	10YR4/2	Dark gray brown rocky sandy gravel , terminated at rock impasse	NCM
	6	1	0-6	0-16	10YR5/3	Brown silty sandy loam	NCM
	7	2	6-10	16-26	10YR6/4	Light yellow brown compact sandy silt	NCM
	7	1	0-8	0-21	10YR5/3	Brown silty sandy loam	NCM
		2	8-13	21-32	10YR6/4	Light yellow brown compact sandy silt	NCM
	8	1	0-8	0-21	10YR4/3	Brown wet silty loam	NCM
		2	8-12	21-31	10YR6/4	Light yellow brown wet clay	NCM
	9	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-13	23-33	10YR6/4	Light yellow brown compact clay	NCM
	10	1	0-7	0-17	10YR4/4	Dark yellow brown silty loam	NCM
		1	7-11	17-29	10YR6/3	Pale brown dry mottled clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	11	1	0-9	0-22	10YR4/2	Dark gray brown silty loam	NCM
		2	9-13	22-32	10YR6/2	Light yellow brown compact silty loam	NCM
	12					Not Excavated: Wetland Area	
	13	1	0-4	0-10	10YR4/4	Dark yellow brown wet silty loam	NCM
TR 2	14	1	0-3	0-8	10YR4/2	Gray gravelly fill	NCM
	15	1	0-6	0-15	10YR5/3	Brown silty sandy loam	NCM
		2	6-11	15-28	2.5YR5/3	Reddish brown silty clay with shale channery	NCM
	16	1	0-5	0-13	10YR5/3	Brown silty loam	NCM
		2	5-11	13-28	2.5YR5/3	Reddish brown silty clay with shale channery	NCM
	17	1	0-7	0-22	10YR6/3	Pale brown silty loam	NCM
		2	7-13	22-34	10YR6/6	Brown yellow clay or silt with gravelly shale	NCM
	18	1	0-7	0-22	10YR6/3	Pale brown silty loam	NCM
		2	7-13	22-34	10YR6/6	Brown yellow dry silty clay	NCM
	19	1	0-13	0-34	10YR6/3	Pale brown silty loam , terminated at root impasse	NCM
	20	1	0-12	0-31	10YR6/3	Pale brown silty loam	NCM
		2	12-16	31-41	10YR7/2 & 10YR7/3	Light gray and very pale brown silty clay	NCM
	21	1	0-9	0-24	10YR6/3	Pale brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	9-14	24-36	10YR6/6	Brown yellow silty clay	NCM
	22	1	0-10	0-25	10YR6/3	Pale brown silty loam	NCM
		2	10-13	25-34	10YR6/6	Brown yellow silt or clay	NCM
	23	1	0-9	0-23	10YR6/3	Pale brown silty loam	NCM
		2	9-14	23-36	10YR5/4	Yellow brown superfine silt or sand	NCM
	24	1	0-12	0-31	10YR6/3	Pale brown silty loam	NCM
	25					Not Excavated: On Gravel Road	
	26	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-9	15-22	10YR5/6	Yellow brown compact silty sand	NCM
TR 3	27					Not Excavated: On Gravel Road	
	28	1	0-8	0-21	10YR6/3	Pale brown silty loam	NCM
	29	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR5/6	Yellow brown compact silty sand	NCM
	30	1	0-7	0-19	10YR4/4	Dark yellow brown dry compact silt	NCM
		2	7-11	19-29	10YR7/2	Light gray compact silty sand	NCM
	31	1	0-6	0-16	10YR5/3	Brown silty loam	NCM
		2	6-10	16-26	10YR6/2	Light yellow brown dry sandy soil	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	32	1	0-6	0-16	10YR4/4	Dark yellow brown silty loam	NCM
		2	6-11	16-28	10YR6/4	Light yellow brown mottled clay	NCM
	33					Not Excavated: Building	
	34	1	0-6	0-14	10YR4/4	Dark yellow brown silty loam	NCM
		2	6-10	14-25	10YR6/4	Light yellow brown mottled clay	NCM
	35	1	0-12	0-31	10YR5/2	Gray brown gravel sandy loam fill	ceramic pipe fragments
	36	1	0-11	0-29	10YR5/2	Gray brown gravel sandy loam fill , terminated at rock impasse	NCM
	37	1	0-6	0-16	10YR3/1	Very dark gray damp silty loam	NCM
		2	6-8	16-21	10YR5/2	Gray brown gravel and sandy fill	NCM
	38	1	0-6	0-14	10YR3/2	Very dark gray brown damp silty loam	NCM
	39					Not Excavated: Wetland Area	
TR 4	40					Not Excavated: On Gravel Road	
	41	1	0-11	0-27	10YR5/3	Brown silty loam with gravel	Modern bottle glass, aluminum foil, nail
		2	11-15	27-38	10YR6/4	Light yellow brown silt with gravel	NCM
	42	1	0-12	0-30	10YR5/3	Brown silty loam with gravel	rusted metal, plastic wrappers - discarded
		2	12-16	30-40	10YR6/4	Light yellow brown silt with gravel	NCM
	43	1	0-9	0-23	10YR5/3	Brown silty loam with gravel	magnetic recording tape metal & plastic fragments , discarded

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	9-13	23-34	10YR6/4	Light yellow brown silt with gravel	NCM
	44	1	0-9	0-22	10YR5/3	Brown silty loam with gravel	plastic - discarded
		2	9-13	22-32	10YR6/4	Light yellow brown silt with gravel	NCM
	45	1	0-9	0-22	10YR5/3	Brown silty loam with gravel	plastic, metal washer - discarded
		2	9-13	22-32	10YR6/4	Light yellow brown silt with gravel	NCM
	46	1	0-9	0-23	10YR5/3	Brown silty loam with gravel	round head nail - discarded
	47	1	0-8	0-20	10YR5/3	Brown silty loam with gravel	nail, plastic comb, plastic hair clip, - discarded
		2	8-11	20-28	2.5YR4/4	Olive brown mottled clay	NCM
	48	1	0-9	0-22	10YR4/2	Dark gray brown silty loam , terminated at root impasse	plastic fragments - discarded
	49					Not Excavated: Building	
	50	1	0-6	0-15	10YR4/2	Dark gray brown silty loam	glass and plastic - discarded
		2	6-11	15-28	2.5YR4/4	Olive brown mottled clay	NCM
	51	1	0-7	0-17	10YR4/2	Dark gray brown silty loam with gravel	plastic - discarded
		2	7-9	17-24	10YR4/3	Brown silty gravel	NCM
	52					Not Excavated: Parking Lot	
	53	1	0-9	0-23	10YR4/3	Brown silty loam with gravel	NCM
		2	9-13	23-33	10YR6/6	Brown yellow dry mottled clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	54	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-9	17-23	10YR6/4	Light yellow brown silt with rock	NCM
	55	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-13	22-32	10YR6/4	Light yellow brown silt with rock	NCM
	56	1	0-8	0-21	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
TR 5	57	1	0-5	0-12	10YR3/2	Very dark gray brown silty gravel with loam	NCM
		2	5-9	12-23	10YR6/3	Pale brown gravel with sand , terminated at rock impasse	NCM
	58	1	0-9	0-23	10YR5/2	Gray brown dry silty gravel with loam	modern bottle glass, metal-discarded
		2	9-13	23-33	10YR6/6	Brown yellow compacted dry silty loam	NCM
	59	1	0-10	0-26	10YR4/3	Brown silty loam	NCM
		2	10-14	26-36	10YR5/6	Yellow brown compact sandy silt	NCM
	60	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-11	18-28	10YR5/6	Yellow brown compact sandy silt	NCM
	61	1	0-5	0-13	10YR3/2	Very dark gray brown damp gravel and sand	NCM
		2	5-9	13-23	10YR4/6	Dark yellow brown damp compacted gravel and sand	NCM
	62	1	0-5	0-13	10YR3/2	Very dark gray brown damp gravel and sand	NCM
		2	5-10	13-25	10YR4/6	Dark yellow brown damp compacted gravel and sand	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	63	1	0-11	0-27	10YR3/2	Very dark gray brown silty loam and gravel	NCM
		2	11-15	27-38	10YR4/4	Dark yellow brown compact silty loam	NCM
	64					Not Excavated: Building	
	65					Not Excavated: Building	
	66	1	0-7	0-18	10YR3/2	Very dark gray brown silty sandy loam with gravel	NCM
		2	7-11	18-28	10YR4/4	Dark yellow brown compact silty sandy loam	NCM
	67	1	0-4	0-10	10YR4/4	Dark yellow brown rocky sandy loam , terminated at rock impasse	NCM
	68	1	0-5	0-12	10YR4/4	Dark yellow brown rocky sandy loam , terminated at rock impasse	NCM
	69					Not Excavated: Building	
	70					Not Excavated: Building	
	71					Not Excavated: Building	
	72	1	0-10	0-26	10YR4/3	Brown silty sandy loam with rocks , terminated at rock impasse	NCM
	73	1	0-4	0-10	10YR4/4	Dark yellow brown silty loam with decaying plant material	NCM
		2	4-8	10-20	10YR2/1	Black compact silty loam	NCM
TR 6	74	1	0-10	0-25	10YR4/3	Brown silty sandy loam with rocks , terminated at rock impasse	window glass, plastic - discarded
	75	1	0-9	0-23	10YR4/3	Brown silty loam with asphalt and garden hose fragments	NCM
	76					Not Excavated: Building	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	77	1	0-8	0-21	10YR4/3	Brown silty loam	clear bottle glass's plastic - discarded
		2	8-14	21-36	10YR5/4	Yellow brown silty with shale gravel	NCM
	78	1	0-10	0-26	10YR4/3	Brown silty loam	bottle glass - discarded
		2	10-14	26-35	10YR5/4	Yellow brown silty with shale gravel	NCM
TR 7	79	1	0-6	0-15	10YR4/3	Brown gravel	NCM
		2	6-10	15-25	10YR5/4	Yellow brown hard gravel with clay	NCM
	80	1				Not Excavated: Building	
	81	1				Not Excavated: Building	
	82	1				Not Excavated: Building	
	83	1	0-7	0-19	10YR4/3	Brown gravelly loam	NCM
		2	7-11	19-28	10YR5/4	Yellow brown compact silt with gravel	NCM
TR 8	84	1	0-6	0-15	10YR4/3	Brown silty loam with shale gravel	metal, 1966 dime- discarded
		2	6-10	15-25	10YR5/4	Yellow brown compact silt with gravel	NCM
	85	1	0-10	0-26	10YR4/3	Brown silty loam , terminated at rock impasse	whiteware - discarded
TR 9	86	1	0-13	0-33	10YR4/3	Brown silty loam with gravel , terminated at rock impasse	NCM
	87	1	0-6	0-15	10YR4/3	Brown silty loam with gravel , terminated at rock impasse	NCM
TR 10	88	1	0-9	0-24	10YR4/3	Brown silty loam with gravel , terminated at rock impasse	bottle glass, LP record (vinyl),plastic, 1976 nickel - discarded

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	89					Not Excavated: Wetland Area	
TR 11	90	1	0-9	0-24	10YR4/3	Brown silty loam with gravel , terminated at rock impasse	metal ,clear glass, plastic - discarded
	91					Not Excavated: Swale with modern materials	
TR 12	92	1	0-4	0-10	10YR4/3	Brown silty loam with gravel , terminated at cinderblock	NCM
TR 13	93					Not Excavated: Swale with modern materials	
TR 14	94	1	0-6	0-15	10YR4/4	Dark yellow brown silty clay loam	NCM
		2	6-13	15-32	10YR5/6	Yellow brown compact silt with gravel	NCM
	95	1	0-4	0-10	10YR4/4	Dark yellow brown silty clay loam	NCM
		2	4-8	10-20	10YR5/6	Yellow brown compact silt with gravel	NCM
	96	1	0-3	0-8	10YR4/4	Dark yellow brown silty loam clay	NCM
		2	3-10	8-25	10YR5/6	Yellow brown compact silt with gravel	NCM
	97	1	0-9	0-23	10YR4/4	Dark yellow brown silty loam clay	NCM
		2	9-15	23-38	10YR5/6	Yellow brown compact silt with gravel	NCM
	98					Not Excavated: In concrete path	
	99					Not Excavated: In concrete path	
	100					Not Excavated: Piles of modern items	
	101	1	0-7	0-18	10YR3/3	Dark brown silty loam with rocks , terminated at root impasse	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	102	1	0-9	0-23	10YR4/3	Brown silty loam with shale gravel	NCM
		2	9-14	23-35	10YR5/4	Yellow brown compact silt with gravel	NCM
	103	1	0-9	0-23	10YR4/3	Brown silty loam with shale gravel	NCM
		2	9-15	23-38	10YR5/4	Yellow brown compact silt with gravel	NCM
TR 15	104					Not Excavated: Slopes greater than 12%	
	105	1	0-7	0-18	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-13	18-32	10YR5/6	Yellow brown compact silt with gravel	NCM
	106					Not Excavated: In concrete path	
	107	1	0-4	0-10	10YR4/3	Rocky gravelly loam, terminated at root impasse	NCM
	108					Not Excavated: In concrete path	
	109	1	0-12	0-30	10YR4/4	Dark yellow brown silty loam	NCM
		2	12-16	30-40	10YR5/4	Yellow brown gravelly clay	NCM
	110					Not Excavated: Slopes greater than 12% grade	
	111	1	0-9	0-22	10YR3/4	Dark yellow brown silty loam	NCM
		2	9-13	22-34	10YR5/6	Yellow brown gravelly clay	NCM
	112	1	0-6	0-15	10YR3/4	Dark yellow brown silty loam	NCM
		2	6-13	15-33	10YR5/6	Yellow brown gravelly clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 16	113					Not Excavated: Slopes greater than 12% grade	
	114	1	0-11	0-28	10YR3/4	Dark yellow brown silty loam	NCM
		2	11-17	28-42	10YR5/6	Yellow brown gravelly clay	NCM
	115					Not Excavated: In concrete path	
	116	1	0-4	0-10	10YR3/4	Dark yellow brown silty loam , terminated at asphalt	NCM
	117					Not Excavated: Slopes greater than 12% grade	
	118					Not Excavated: Slopes greater than 12% grade	
	119	1	0-5	0-12	10YR4/4	Dark yellow brown silty loam	NCM
		2	5-9	12-22	10YR5/4	Yellow brown gravelly clay	NCM
	120					Not Excavated: In concrete path	
	121	1	0-9	0-22	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-15	22-38	10YR5/6	Yellow brown compact silt with gravel	NCM
Area B							
TR 17	122	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-11	16-28	2.5YR5/4	Light brown olive silty clay	NCM
TR 18	123	1	0-5	0-13	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
	124		0-5	0-13	10YR4/3	Brown silty loam , terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 19	125	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-12	19-31	10YR5/4	Light brown silt	NCM
	126	1	0-7	0-18	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
	127	1	0-6	0-15	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
TR 20	128	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-11	18-29	10YR5/4	Light brown silty	NCM
	129	1	0-8	0-21	10YR4/3	Brown silty loam	clear glass discarded
		2	8-13	21-32	10YR5/4	Light brown silty	NCM
	130	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-12	19-30	10YR5/4	Light brown silty	NCM
TR 21	131	1	0-8	0-20	10YR3/4	Dark yellow brown silty loam	NCM
		2	8-12	20-30	10YR5/6	Yellow brown rocky clay	NCM
	132	1	0-12	0-31	10YR3/4	Dark yellow brown silty loam	NCM
		2	12-18	31-45	10YR5/6	Yellow brown clay sand	NCM
	133	1	0-11	0-28	10YR3/4	Dark yellow brown silty loam with channery	NCM
		2	11-16	28-40	10YR5/6	Yellow brown rocky clay	NCM
	134	1	0-11	0-29	10YR3/3	Dark yellow brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	11-14	29-36	10YR5/6	Yellow brown rocky clay	NCM
	135	1	0-4	0-10	10YR4/4	Dark yellow brown compact sandy silty loam , terminated at root impasse	NCM
TR 22	136	1	0-14	0-35	10YR4/4	Dark yellow brown compact sandy silty loam	NCM
		2	14-15	35-37	10YR5/4	Light brown compact sandy silty loam , terminated at rock obstruction	NCM
	137	1	0-4	0-9	10YR4/4	Dark yellow brown compact sandy loam	NCM
		2	4-8	9-20	10YR5/4	Light brown compact sandy loam	NCM
	138	1	0-13	0-32	10YR5/4	Light brown damp silty sandy loam with gravel	NCM
		2	13-17	32-42	10YR6/3	Pale brown compact sandy loam	NCM
	139	1	0-13	0-34	10YR5/4	Light brown damp silty sandy loam with gravel	NCM
		2	13-17	34-42	10YR6/3	Pale brown compact sandy loam	NCM
	140	1	0-5	0-12	10YR3/4	Dark yellow brown silty loam , terminated at root impasse	NCM
	141	1	0-5	0-12	10YR3/4	Dark yellow brown silty loam , terminated at root impasse	NCM
TR 23	142	1	0-8	0-20	10YR4/2	Dark gray brown silty loam	NCM
		2	8-12	20-31	2.5YR5/3	Brown sandy clay	NCM
	143	1	0-10	0-26	10YR4/2	Dark gray brown silty loam	NCM
		2	10-14	26-35	10YR5/3	Brown sandy clay	NCM
	144					Not Excavated: Slopes greater than 12% grade	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	145	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-13	23-33	10YR5/4	Light brown silty sand with gravel	NCM
	146	1	0-10	0-25	10YR4/3	Brown silty loam	NCM
		2	10-13	25-34	10YR5/4	Light brown silty sand with gravel	NCM
	147	1	0-5	0-13	10YR4/3	Brown silty loam	yellowware, whiteware
		2	5-10	13-25	10YR5/4	Light brown silty sand with gravel	NCM
	148	1	0-10	0-26	10YR4/3	Brown silty loam	window glass discarded
		2	10-14	26-36	2.5YR5/4	Light olive brown dry silt or clay with gravel and shale	NCM
	149	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-11	17-28	2.5YR5/4	Light olive brown dry silt or clay with gravel and shale	NCM
TR 24	150	1	0-6	0-14	10YR4/3	Brown silty loam with roots , terminated at rock impasse	NCM
	151	1	0-6	0-15	10YR4/2	Dark gray brown dry silty loam	NCM
		2	6-10	15-25	10YR6/4	Light yellow brown compact dry sandy loam	NCM
	152	1	0-4	0-9	10YR2/1	Black silty loam with decomposing plant material , terminated at rock impasse	NCM
	153	1	0-5	0-12	10YR2/1	Black silty loam with decomposing plant material , terminated at rock impasse	NCM
	154	1	0-16	0-40	10YR4/3	Brown silty gravelly loam , terminated at rock impasse	NCM
	155	1	0-8	0-20	10YR4/3	Brown silty sandy loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	8-12	20-30	10YR5/4	Yellow brown compact silty sandy loam	NCM
	156	1	0-6	0-15	10YR4/3	Brown silty sandy loam with gravel	NCM
		2	6-12	15-30	10YR5/4	Yellow brown compact silty sandy loam with gravel	NCM
	157	1	0-12	0-31	10YR4/3	Brown silty sandy loam with gravel	NCM
		2	12-16	31-41	10YR5/4	Yellow brown compact silty sandy loam with gravel	NCM
	158	1	0-14	0-36	10YR4/3	Brown silty sandy loam	NCM
		2	14-18	36-46	10YR5/4	Yellow brown compact silty sandy loam with gravel	NCM
TR 25	159	1	0-8	0-20	10YR4/3	Brown silty loam with shale gravel , terminated at rock impasse	NCM
	160	1	0-10	0-25	10YR4/3	Brown silty loam with shale cobbles , terminated at rock impasse	NCM
	161	1	0-9	0-24	10YR4/3	Brown silty loam , terminated at rock and root impasse	NCM
	162	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-12	22-31	2.5YR5/4	Light olive brown mottled clay	NCM
	163	1	0-10	0-26	10YR4/3	Brown silty loam , terminated at rock impasse	rusted broken hook - discarded
	164	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-12	22-30	2.5YR5/4	Light olive brown silty clay	NCM
	165	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-10	17-25	2.5YR6/4	Light yellowish brown silt or clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	166	1	0-16	0-41	10YR4/3	Brown silty loam	NCM
		2	16-20	41-51	2.5YR6/4	Light yellowish brown silty clay	NCM
	167	1	0-13	0-33	10YR4/3	Brown silty loam , terminated at root impasse	NCM
TR 26	168	1	0-9	0-23	10YR4/2	Dark brown silty loam , terminated at rock impasse	NCM
	169	1	0-10	0-25	10YR4/3	Brown silty loam	rusted nails discarded
		2	10-13	25-33	2.5YR5/4	Light olive brown clay	NCM
	170	1	0-8	0-21	10YR4/3	Brown silty loam	NCM
		2	8-12	21-30	2.5YR5/4	Light olive brown clay	NCM
	171	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-12	19-30	2.5YR5/4	Light olive brown clay	NCM
	172	1	0-10	0-25	10YR4/3	Brown silty loam	NCM
		2	10-13	25-32	2.5YR5/4	Light olive brown silty clay	NCM
	173	1	0-8	0-21	10YR4/3	Brown silty loam	NCM
		2	8-13	21-32	2.5YR5/4	Light olive brown silty clay	NCM
	174	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-10	19-25	2.5YR5/4	Light olive brown silty clay	NCM
	175	1	0-6	0-16	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-10	16-26	2.5YR5/4	Light olive brown silty clay	NCM
	176	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-12	19-31	2.5YR5/4	Light olive brown silty clay	NCM
TR 27	177	1	0-5	0-13	10YR3/4	Dark brown silty loam , terminated at rock impasse	NCM
	178					Not Excavated: Large soil pile	
	179	1	0-9	0-24	10YR3/4	Dark yellow brown silty loam	NCM
		2	9-15	24-38	10YR5/6	Yellow brown rocky clay	NCM
	180	1	0-7	0-19	10YR3/3	Dark brown gravelly loam	NCM
		2	7-12	19-30	10YR5/4	Yellow brown rocky sand	NCM
	181	1	0-7	0-18	10YR3/4	Dark yellow brown gravelly loam	NCM
		2	7-11	18-27	10YR5/6	Yellow brown rocky sand	NCM
	182					Not Excavated: In dirt roadway	
	183	1	0-7	0-17	10YR3/4	Dark yellow brown gravelly loam	NCM
		2	7-12	17-31	10YR5/6	Yellow brown rocky clay	NCM
	184	1	0-9	0-22	10YR3/4	Dark yellow brown gravelly loam	NCM
		2	9-14	22-35	10YR5/6	Yellow brown rocky clay	NCM
	185	1	0-10	0-25	10YR3/4	Dark yellow brown gravelly loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	10-16	25-40	10YR5/6	Yellow brown rocky clay	NCM
TR 28	186	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-13	23-33	2.5YR5/4	Light olive brown silt	NCM
	187	1	0-12	0-30	10YR4/3	Brown silty loam	NCM
		2	12-17	30-44	2.5YR5/4	Light olive brown silt	NCM
	188	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-13	23-32	10YR6/6	Brown yellow silt	NCM
	189	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-13	22-32	10YR6/6	Brown yellow silt	NCM
	190	1	0-10	0-26	10YR4/3	Brown silty loam	NCM
		2	10-14	26-36	10YR6/6	Brown yellow dry silt	NCM
	191	1	0-10	0-26	10YR4/3	Brown silty loam	NCM
		2	10-12	26-31	10YR6/4	Light yellow brown silt	NCM
	192	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-13	23-33	10YR6/6	Brown yellow dry silt	NCM
	193	1	0-8	0-21	10YR4/3	Brown silty loam	NCM
		2	8-12	21-31	10YR6/6	Brown yellow dry silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	194	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-11	15-28	2.5YR5/4	Light olive brown silt	NCM
TR 29	195	1	0-12	0-30	10YR4/3	Brown silty loam	NCM
		2	12-18	30-45	2.5YR5/4	Light olive brown clay	NCM
	196	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-13	15-32	2.5YR5/4	Light olive brown clay	NCM
	197	1	0-12	0-31	10YR4/3	Brown silty loam	NCM
		2	12-17	31-42	2.5YR5/4	Light olive brown clay	NCM
	198	1	0-12	0-29	10YR4/3	Brown silty loam	NCM
		2	12-15	29-38	2.5YR5/4	Light olive brown clay	NCM
	199	1	0-11	0-27	10YR4/3	Brown silty loam	NCM
		2	11-14	27-35	2.5YR5/4	Light olive brown clay	NCM
	200	1	0-10	0-21	10YR4/3	Brown silty loam	NCM
		2	10-12	21-31	2.5YR5/4	Light olive brown clay	NCM
	201	1	0-10	0-21	10YR4/3	Brown silty loam	NCM
		2	10-12	21-29	2.5YR5/4	Light olive brown clay	NCM
	202	1	0-10	0-20	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	10-12	20-31	2.5YR5/4	Light olive brown clay	NCM
	203	1	0-10	0-20	10YR4/3	Brown silty loam	NCM
		2	10-12	20-30	2.5YR5/4	Light olive brown clay	NCM
TR 30	204	1	0-6	0-15	10YR4/3	Brown silt loam , terminated at root impasse	NCM
	205	1	0-10	0-25	10YR4/3	Brown silt loam	whiteware -discarded
		2	10-15	25-38	10YR6/6	Brown yellow silt with gravel	NCM
	206	1	0-7	0-17	10YR4/3	Brown silty loam with shale	NCM
		2	7-12	17-30	10YR6/6	Brown yellow channery silt	NCM
	207	1	0-8	0-20	10YR4/3	Brown silty loam with shale	brick -discarded
		2	8-12	20-30	10YR6/6	Brown yellow channery silt	NCM
	208	1	0-9	0-22	10YR4/3	Brown channery silt loam	NCM
		2	9-13	22-34	10YR6/6	Brown yellow silt with gravel	NCM
TR 31	209	1	0-10	0-25	10YR4/3	Brown channery silt loam	NCM
		2	10-15	25-38	10YR5/4	Yellow brown silt with channery	NCM
	210	1	0-8	0-21	10YR4/3	Brown channery silt loam	NCM
		2	8-13	21-33	10YR5/4	Yellow brown silt with channery	NCM
	211	1	0-7	0-18	10YR4/3	Brown channery silt loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	7-11	18-28	10YR5/4	Yellow brown silt with channery	NCM
	212	1	0-8	0-20	10YR4/3	Brown channery silt loam	NCM
		2	8-12	20-30	10YR5/4	Yellow brown silt with channery	NCM
	213	1	0-8	0-21	10YR4/3	Brown silty loam	NCM
		2	8-13	21-33	10YR6/6	Brown yellow silt	NCM
TR 32	214	1	0-10	0-26	10YR4/3	Brown silty loam	NCM
		2	10-14	26-35	10YR6/6	Brown yellow silt	NCM
	215	1	0-10	0-25	10YR4/3	Brown silty loam	NCM
		2	10-13	25-33	10YR6/6	Brown yellow silt	NCM
	216	1	0-10	0-26	10YR4/3	Brown silty loam	NCM
		2	10-14	26-35	10YR6/6	Brown yellow silt	NCM
	217	1	0-8	0-19	10YR4/3	Brown silty loam	NCM
		2	8-9	19-20	10YR6/6	Brown yellow silt	NCM
	218	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-11	20-28	10YR6/6	Brown yellow silt	NCM
TR 33	219	1	0-22	0-55	10YR5/6	Yellow brown silty sand with gravel	NCM
	220	1	0-9	0-23	10YR5/6	Yellow brown silty sand with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	9-10	23-25	10YR6/6	Brown yellow sand silt with gravel	NCM
	221	1	0-8	0-20	10YR5/6	Yellow brown silty sand with gravel	Modern glass discarded
		2	8-13	20-33	10YR6/6	Brown yellow sand silt with gravel	NCM
	222	1	0-11	0-29	10YR5/6	Yellow brown silty sand with gravel	NCM
		2	11-15	29-39	10YR6/6	Brown yellow sand silt with gravel	NCM
	223	1	0-13	0-33	10YR5/6	Yellow brown silty sand with gravel	NCM
		2	13-18	33-45	10YR6/6	Brown yellow sand silt with gravel	NCM
Area C							
TR 34	224	1	0-2	0-5	10YR4/3	Brown silty loam	NCM
		2	2-10	5-25	2.5YR4/4	Olive brown silt	NCM
	225	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-11	18-29	2.5YR4/4	Olive brown silt	NCM
	226	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-9	16-22	2.5YR4/4	Olive brown silt	NCM
	227	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-10	17-25	2.5YR4/4	Olive brown silt	NCM
	228	1	0-6	0-16	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-8	16-20	2.5YR4/4	Olive brown silt	NCM
	229	1	0-11	0-28	10YR4/3	Brown silty loam	NCM
		2	11-18	28-45	2.5YR4/4	Olive brown silt	NCM
	230	1	0-11	0-28	10YR4/3	Brown silty loam	NCM
		2	11-13	28-32	2.5YR4/4	Olive brown silt	NCM
	231	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-9	16-22	2.5YR4/4	Olive brown silt	NCM
	232					Not Excavated: Drainage ditch with pipe	
TR 35	233	1	0-12	0-30	10YR4/3	Brown coarse sand with gravel pebbles and cobbles	NCM
	234	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-12	23-31	2.5YR4/4	Olive brown silty clay	NCM
	235	1	0-10	0-26	10YR4/3	Brown silty loam , terminated at root impasse	NCM
		2	10-14	26-36	2.5YR4/4	Olive brown silty clay	NCM
	236	1	0-10	0-25	10YR4/3	Brown silty loam	NCM
	237	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-10	16-26	2.5YR5/4	Light olive brown silt	NCM
	238					Not Excavated: Ravine	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	239	1	0-12	0-31	10YR4/3	Brown silty loam	NCM
		2	12-16	31-40	2.5YR5/4	Light olive brown silt	NCM
	240	1	0-13	0-34	10YR4/3	Brown silty loam	NCM
		2	13-17	34-44	2.5YR6/4	Light yellowish brown silty clay	NCM
	241	1	0-12	0-30	10YR4/3	Brown silty loam	NCM
		2	12-16	30-41	2.5YR5/4	Light olive brown sandy clay	NCM
	242	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-15	22-38	2.5YR5/4	Light olive brown mottled sandy clay	NCM
	243	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
TR 36	244	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-9	14-22	2.5YR4/4	Olive brown silty clay	NCM
	245	1	0-13	0-33	10YR4/3	Brown silty loam	NCM
	246	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-12	17-30	2.5YR4/4	Olive brown silty clay	NCM
	247	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-12	18-30	2.5YR4/4	Olive brown silty clay	NCM
	248					Not Excavated: Slopes greater than 12% grade	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	249					Not Excavated: Slopes greater than 12% grade	
	250	1	0-11	0-27	10YR4/3	Brown silty loam	NCM
		2	11-16	27-40	2.5YR4/4	Olive brown silty clay	NCM
	251	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-9	19-24	2.5YR4/4	Olive brown silty clay	NCM
	252	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-11	20-28	2.5YR4/4	Olive brown silty clay	NCM
	253	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-10	23-26	2.5YR4/4	Olive brown silty clay	NCM
TR 37	254	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-13	23-34	10YR5/6	Yellow brown silty clay	NCM
	255	1	0-11	0-29	10YR4/3	Brown silty loam	NCM
		2	11-15	29-39	10YR5/6	Yellow brown silty clay	NCM
	256	1	0-10	0-25	10YR4/3	Brown silty loam	NCM
		2	10-13	25-34	10YR5/6	Yellow brown silty clay	NCM
	257	1	0-7	0-22	10YR4/3	Brown silty loam , terminated by root impasse	NCM
	258					Not Excavated: Slopes greater than 12% grade	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	259					Not Excavated: Slopes greater than 12% grade	
	260	1	0-9	0-23	10YR4/3	Brown silty loam, terminated by rock and root impasse	NCM
	261	1	0-12	0-30	10YR4/3	Brown silty loam, terminated at rock impasse	NCM
	262	1	0-9	0-23	10YR4/3	Brown silty sand with gravel	clear glass, plastic bit discarded
		2	9-10	23-26	10YR3/4	Dark yellow brown sand with gravel	NCM
	263	1	0-4	0-10	10YR4/3	Brown silty loam	NCM
		2	4-8	10-20	10YR3/4	Dark yellow brown silty or clay with shale	NCM
TR 38	264	1	0-12	0-31	10YR4/3	Brown gravelly loam	NCM
		2	12-18	31-45	10YR5/6	Yellow brown rocky clay	NCM
	265	1	0-10	0-26	10YR4/3	Brown gravelly loam	NCM
		2	10-16	26-40	10YR5/6	Yellow brown rocky clay	NCM
	266	1	0-12	0-30	10YR4/3	Brown gravelly loam , terminated at rock impasse	NCM
	267	1	0-11	0-29	10YR3/3	Dark brown gravelly loam	NCM
		2	11-15	29-38	10YR5/4	Yellow brown rocky clay	NCM
	268	1	0-12	0-30	10YR4/3	Brown gravelly loam	NCM
		2	12-18	30-45	10YR5/6	Yellow brown rocky clay	NCM
	269	1	0-4	0-10	10YR4/4	Dark yellow brown thick wet gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	4-10	10-25	10YR5/4	Yellow brown rocky clay	NCM
	270	1	0-2	0-5	10YR3/3	Dark brown gravelly loam	NCM
		2	2-8	5-20	10YR5/4	Yellow brown rocky clay	NCM
	271					Not Excavated: Slopes greater than 12% grade	
	272	1	0-13	0-32	10YR4/4	Dark yellow brown sandy loam	NCM
		2	13-	32-45	10YR5/6	Yellow brown gravelly clay	NCM
	273					Not Excavated: Gravel washout	
	274	1	0-10	0-26	10YR3/4	Dark yellow brown sandy gravel	NCM
		2	10-14	26-35	10YR5/4	Yellow brown rocky sand	NCM
TR 39	275	1	0-7	0-17	10YR5/4	Yellow brown silty loam , terminated at root impasse	NCM
	276	1	0-11	0-29	10YR5/4	Yellow brown silty loam with rocks , terminated at rock impasse	NCM
	277	1	0-11	0-27	10YR5/4	Yellow brown silty loam with rocks	NCM
		2	11-12	27-31	10YR6/6	Brown yellow silty loam with rocks , terminated at rock impasse	NCM
	278					Not Excavated: drainage ditch	
	279	1	0-3	0-7	10YR5/3	Brown damp silty loam	NCM
		2	3-7	7-17	10YR6/4	Light yellow brown damp clay	NCM
	280	1	0-4	0-10	10YR5/3	Brown damp silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	4-9	10-23	10YR6/4	Light yellow brown damp clay	NCM
	281	1	0-4	0-10	10YR5/3	Brown silty sandy loam	NCM
		2	4-9	10-22	10YR5/6	Yellow brown compact silty sand	NCM
	282					Not Excavated: Slopes greater than 12% grade	
	283	1	0-9	0-24	10YR4/3	Brown silty loam with roots and rocks, terminated at rock impasse	NCM
	284	1	0-9	0-24	10YR5/4	Yellow brown silty sandy loam with rocks and roots	NCM
		2	9-13	24-34	10YR5/6	Yellow brown silty sand	NCM
	285	1	0-10	0-25	10YR5/4	Yellow brown silty sandy loam with rocks and roots	NCM
		2	10-16	25-40	10YR5/6	Yellow brown silty sand	NCM
TR 40	286	1	0-8	0-20	10YR4/3	Brown silt loam terminated at root impasse	NCM
	287	1	0-9	0-22	10YR4/3	Brown silt loam	NCM
		2	9-11	22-27	2.5YR4/4	Olive brown sandy clay	NCM
	288	1	0-10	0-25	10YR4/3	Brown silt loam	NCM
		2	10-12	25-30	2.5YR4/4	Olive brown sandy clay	NCM
	289	1	0-6	0-15	10YR4/3	Brown silt loam	NCM
		2	6-10	15-25	2.5YR4/4	Olive brown sandy clay	NCM
	290	1	0-9	0-24	10YR4/3	Brown silt loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	9-11	24-29	2.5YR4/4	Olive brown sandy clay	NCM
	291	1	0-4	0-10	10YR4/3	Brown silt loam	NCM
		2	4-6	10-15	2.5YR4/4	Olive brown sandy clay	NCM
	292	1	0-2	0-4	10YR4/3	Brown silt loam	NCM
		2	2-4	4-10	2.5YR4/4	Olive brown sandy clay	NCM
	293	1	0-5	0-12	10YR4/3	Brown silt loam	NCM
		2	5-9	12-22	2.5YR4/4	Olive brown sandy clay	NCM
	294					Not Excavated: Slopes greater than 12% grade	
	295	1	0-7	0-18	10YR6/2	Light yellow brown silty loam with channery	NCM
	296					Not Excavated: boulders drain pipes	
TR 41	297	1	0-13	0-33	10YR5/4	Yellow brown silty sand	NCM
		2	13-17	33-43	10YR5/8	Yellow brown silty sand	NCM
	298	1	0-8	0-19	10YR5/4	Yellow brown silty sand	NCM
		2	8-11	19-29	10YR5/8	Yellow brown silty sand	NCM
	299	1	0-8	0-20	10YR5/4	Yellow brown silty sand	NCM
		2	8-12	20-30	10YR5/8	Yellow brown silty sand	NCM
	300	1	0-12	0-30	10YR5/4	Yellow brown silty sand	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	12-16	30-40	10YR5/8	Yellow brown silty sand	NCM
	301	1	0-11	0-28	10YR5/4	Yellow brown silty sand	NCM
		2	11-16	28-40	10YR5/8	Yellow brown silty sand	NCM
	302	1	0-9	0-24	10YR4/3	Brown silty gravel	NCM
		2	9-16	24-40	10YR5/6	Yellow brown silt with rocks and cobbles	NCM
	303	1	0-6	0-15	10YR3/3	Dark brown gravelly silt	NCM
		2	6-12	15-30	2.5YR5/4	Light olive brown wet gravel	NCM
	304	1	0-7	0-19	10YR5/6	Yellow brown gravelly loam , terminated at rock impasse	NCM
	305	1	0-6	0-15	10YR3/3	Dark brown silty sandy loam	NCM
		2	6-12	15-30	10YR5/6	Yellow brown gravelly rocky loam	NCM
	306					Not Excavated: Slopes greater than 12% grade	
	307					Not Excavated: Slopes greater than 12% grade	
TR 42	308	1	0-9	0-23	10YR4/3	Brown silty loam with gravel and rock	NCM
		2	9-13	23-34	10YR5/4	Yellow brown silt with gravel	NCM
	309	1	0-6	0-14	10YR4/3	Brown silty loam with gravel and rock , terminated at root impasse	NCM
	310	1	0-9	0-23	10YR4/3	Brown silty loam with gravel and rock	NCM
		2	9-13	23-33	10YR5/4	Yellow brown silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	311	1	0-8	0-21	10YR4/3	Brown silty loam with gravel and rock	NCM
		2	8-13	21-32	10YR5/4	Yellow brown silt	NCM
	312					Not Excavated: Slopes greater than 12% grade	NCM
	313	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-10	17-25	2.5YR5/4	Light olive brown sandy clay	NCM
	314	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-10	15-25	2.5YR5/4	Light olive brown sandy clay	NCM
	315	1	0-10	0-26	10YR4/3	Brown silty loam	NCM
	316	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-10	15-25	2.5YR4/5	Light olive brown clay	NCM
	317					Not Excavated: Slopes greater than 12% grade	
	318					Not Excavated: Slopes greater than 12% grade	
TR 43	319	1	0-8	0-21	10YR4/3	Brown silty sandy loam	NCM
		2	8-11	21-27	10YR5/8	Yellow brown compact sand , terminated at rock impasse	NCM
	320	1	0-13	0-32	10YR4/3	Brown silty loam with channery , terminated at rock impasse	NCM
	321	1	0-8	0-20	10YR4/3	Brown silty loam with channery	NCM
	322	2	8-12	20-31	10YR6/4	Light yellow brown dry mottled clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	323	1	0-8	0-20	10YR4/3	Brown silty loam with channery , terminated at rock and root impasse	NCM
	324	1	0-7	0-18	10YR4/3	Brown silty loam with gravel and shale	NCM
		2	7-11	18-28	10YR5/6	Yellow brown silty sandy loam with roots and gravel , terminated at rock impasse	NCM
TR 44	325	1	0-5	0-13	10YR4/3	Brown silty loam with channery , terminated at rock impasse	NCM
	326	1	0-7	0-19	10YR4/3	Brown silt loam with channery	NCM
		2	7-11	19-28	10YR5/4	Yellow brown sandy loam with gravel	NCM
	327	1	0-4	0-10	10YR4/3	Brown silt loam with channery	NCM
		2	4-9	10-23	10YR5/4	Yellow brown sandy loam with gravel	NCM
	328	1	0-7	0-17	10YR4/3	Brown silt loam with channery	NCM
		2	7-10	17-26	10YR5/4	Yellow brown sandy loam with gravel	NCM
	329	1	0-5	0-13	10YR4/3	Brown silt loam with channery	NCM
		2	5-13	13-33	10YR5/4	Yellow brown sandy loam with gravel	NCM
	330	1	0-5	0-13	10YR4/3	Brown silt loam with channery	NCM
		2	5-7	13-19	10YR5/4	Yellow brown sandy loam with gravel	NCM
	331	1	0-4	0-10	10YR4/3	Brown silt loam with channery	NCM
		2	4-9	10-23	10YR5/4	Yellow brown sandy loam with gravel	NCM
Area D							

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 45	332	1	0-4	0-10	10YR4/3	Brown silty loam	NCM
		2	4-10	10-25	10YR6/6	Brown yellow silt	NCM
	333	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-12	12-30	10YR6/6	Brown yellow silt	NCM
	334	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-10	16-26	10YR6/6	Brown yellow silt , terminated at rock impasse	NCM
TR 46	335	1	0-6	0-16	10YR4/6	Dark yellow brown silty loam	NCM
		2	6-11	16-28	10YR6/6	Brown yellow silty loam	NCM
	336	1	0-7	0-18	10YR4/6	Dark yellow brown silty loam	NCM
		2	7-10	18-25	10YR6/6	Brown yellow silty loam	NCM
	337	1	0-7	0-17	10YR3/6	Dark yellow brown dry silty clay	NCM
		2	7-11	17-28	10YR6/6	Brown yellow dry clay	NCM
TR 47	338	1	0-10	0-26	10YR4/3	Brown silty loam with gravel	NCM
		2	10-14	26-36	10YR6/6	Brown yellow sandy silt	NCM
TR 48	339	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-8	14-20	10YR6/6	Brown yellow silt	NCM
	340	1	0-6	0-16	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	341	1	0-4	0-10	10YR4/3	Brown silty loam	NCM
		2	4-9	10-22	10YR6/6	Brown yellow silt	NCM
	342					Not Excavated: Slopes greater than 12% grade	
TR 49	343	1	0-10	0-25	10YR4/3	Brown silty loam with gravel	NCM
		2	10-14	25-35	10YR6/6	Brown yellow sandy silt	NCM
	344	1	0-8	0-20	10YR4/3	Brown silty loam with gravel	NCM
		2	8-12	20-30	10YR6/6	Brown yellow sandy silt	NCM
	345					Not Excavated: Slopes greater than 12% grade	
TR 50	346	1	0-6	0-15	10YR4/6	Dark yellow brown dry clay	NCM
		2	6-9	15-23	10YR6/6	Brown yellow dry clay	NCM
	347	1	0-7	0-17	10YR5/6	Yellow brown silty loam	NCM
		2	7-11	17-27	10YR6/6	Brown yellow silty loam	NCM
	348	1	0-7	0-17	10YR5/6	Yellow brown silty loam	NCM
		2	7-12	17-30	10YR6/6	Brown yellow silty loam	NCM
	349	1	0-6	0-16	10YR5/6	Yellow brown silty loam	NCM
		2	6-11	16-27	10YR6/6	Brown yellow silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	350	1	0-6	0-15	10YR5/6	Yellow brown silty loam	NCM
		2	6-10	15-26	10YR6/6	Brown yellow silty loam	NCM
	351	1	0-5	0-13	10YR5/6	Yellow brown silty loam	NCM
		2	5-10	13-25	10YR6/6	Brown yellow silty loam	NCM
TR 51	352	1	0-5	0-12	10YR3/4	Dark yellow brown silty loam	NCM
		2	5-6	12-16	10YR6/6	Brown yellow silt	NCM
	353	1	0-4	0-10	10YR3/4	Dark yellow brown silty loam	NCM
		2	4-10	10-25	10YR6/6	Brown yellow silt	NCM
	354	1	0-6	0-14	10YR3/4	Dark yellow brown silty loam	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silt	NCM
	355	1	0-6	0-16	10YR3/4	Dark yellow brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	356	1	0-5	0-12	10YR3/4	Dark yellow brown silty loam	NCM
		2	5-9	12-24	10YR6/6	Brown yellow silt	NCM
TR 52	357					Not Excavated: Slopes greater than 12% grade	
	358	1	0-7	0-18	10YR4/2	Dark gray brown silty loam with gravel	NCM
		2	7-11	18-29	10YR6/2	Light yellow brown sandy silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	359	1	0-8	0-20	10YR4/3	Brown silty loam with gravel	NCM
		2	8-12	20-30	10YR6/6	Brown yellow sandy silt	NCM
	360	1	0-8	0-21	10YR4/3	Brown silty loam with gravel	NCM
		2	8-13	21-33	10YR6/6	Brown yellow sandy silt	NCM
	361	1	0-5	0-12	10YR4/3	Brown silty loam with gravel	NCM
		2	5-9	12-24	10YR6/6	Brown yellow sandy silt , terminated at root impasse	NCM
	362					Not Excavated: Slopes greater than 12% grade	
TR 53	363	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	364	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	365	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-10	14-26	10YR6/6	Brown yellow silt	NCM
	366	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	367	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-10	14-26	10YR6/6	Brown yellow silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	368	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silt	NCM
TR 54	369	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-10	18-25	10YR5/6	Yellow brown silty loam , terminated at root impasse	NCM
	370	1	0-7	0-19	10YR4/6	Dark yellow brown dry clay	NCM
		2	7-10	19-26	10YR6/6	Brown yellow dry clay	NCM
	371	1	0-5	0-13	10YR3/6	Dark yellow brown silty loam	NCM
		2	5-8	13-21	10YR6/6	Brown yellow silty loam	NCM
	372	1	0-10	0-25	10YR3/6	Dark yellow brown silty loam	NCM
Area E							
TR 55	373	1	0-9	0-24	10YR4/2	Dark gray brown silty loam	NCM
		2	9-15	24-38	2.5YR5/4	Light olive brown silty loam	NCM
	374					Not Excavated: Dug out area	
	375	1	0-8	0-20	10YR4/2	Dark gray brown silty loam	NCM
		2	8-12	20-31	2.5YR5/4	Light olive brown silty loam	NCM
	376	1	0-12	0-30	10YR4/2	Dark gray brown silty loam	NCM
		2	12-17	30-43	2.5YR5/4	Light olive brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	377	1	0-7	0-19	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	378	1	0-8	0-21	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	389	1	0-7	0-19	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	380	1	0-7	0-17	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	381	1	0-7	0-19	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	7-11	19-29	10YR5/8	Yellow brown dry mottled clay	NCM
	382	1	0-8	0-20	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	8-12	20-30	10YR5/8	Yellow brown dry mottled clay	NCM
	383	1	0-6	0-16	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	384	1	0-6	0-15	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
		2	6-10	15-25	10YR5/8	Yellow brown dry mottled clay	NCM
	385	1	0-6	0-15	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	386					Not Excavated: Sand Trap	
	387					Not Excavated: Sand Trap	
	388	1	0-6	0-15	10YR5/4	Yellow brown gravelly sand , terminated at hard compact gravel and sand	NCM
	389	1	0-15	0-37	10YR5/4	Yellow brown sand	NCM
		2	15-18	37-45	10YR6/6	Brown yellow sand , terminated at rock obstruction	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	390					Not Excavated: Surface Disturbance	
	391	1	0-12	0-30	10YR5/4	Yellow brown silty loam	NCM
		2	12-13	30-34	10YR6/6	Brown yellow sand	NCM
	392					Not Excavated: Large drainage ditch	
	393	1	0-8	0-21	10YR3/3	Dark brown sandy loam , terminated at rock impasse	NCM
	394	1	0-14	0-36	10YR3/3	Dark brown sandy loam	NCM
		2	14-17	36-42	10YR6/6	Brown yellow sandy rocky gravel , terminated at rock impasse	NCM
	395					Not Excavated: Large drainage ditch	
	396					Not Excavated: Slopes greater than 12% grade greater than 12%	
	397	1	0-12	0-30	10YR3/3	Dark brown sandy loam	NCM
		2	12-15	30-37	10YR6/6	Brown yellow hard packed sand , terminated at rock impasse	NCM
	398	1	0-2	0-5	10YR3/3	Dark brown sandy loam , terminated at rock impasse	
	399	1	0-11	0-29	10YR3/3	Dark brown sandy loam	NCM
		2	11-15	29-38	10YR6/6	Brown yellow hard packed sand , terminated at rock impasse	NCM
	400	1	0-13	0-32	10YR3/3	Dark brown sand	NCM
		2	13-17	32-43	10YR6/6	Brown yellow rocky packed sand	NCM
	401	1	0-8	0-21	10YR3/3	Dark brown sandy rock , terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	402	1	0-12	0-31	10YR3/3	Dark brown sandy rock	NCM
		2	12-18	31-45	10YR6/6	Brown yellow hard packed clay , terminated at rock impasse	NCM
	403	1	0-11	0-27	10YR3/3	Dark brown sandy rock	NCM
		2	11-14	27-35	10YR6/6	Brown yellow hard packed clay , terminated at rock impasse	NCM
	404					Not Excavated: Surface Disturbance	
	405	1	0-14	0-35	10YR5/4	Yellow brown sand , terminated at rock impasse	1 bottle glass discarded
TR 56	406	1	0-6	0-16	10YR4/2	Dark gray brown silty loam	NCM
		2	6-10	16-26	2.5YR5/4	Light olive brown silty loam	NCM
	407	1	0-6	0-14	10YR4/2	Dark gray brown silty loam	NCM
		2	6-10	14-26	2.5YR5/4	Light olive brown silty clay loam	NCM
	408	1	0-6	0-15	10YR4/2	Dark gray brown silty loam	NCM
		2	6-10	15-25	2.5YR5/4	Light olive brown silty clay loam	NCM
	409	1	0-7	0-17	10YR4/2	Dark gray brown silty loam	NCM
		2	7-10	17-25	2.5YR5/4	Light olive brown silty clay loam	NCM
	410	1	0-7	0-18	10YR4/2	Dark gray brown silty loam	NCM
		2	7-10	18-25	2.5YR5/4	Light olive brown silty clay loam	NCM
	411	1	0-7	0-18	10YR4/2	Dark gray brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	7-10	18-26	2.5YR5/4	Light olive brown silty clay loam	NCM
	412	1	0-5	0-12	10YR4/2	Dark gray brown silty loam	NCM
		2	5-8	12-20	2.5YR5/4	Light olive brown silty clay loam	NCM
	413	1	0-4	0-11	10YR5/4	Yellow brown silty loam , terminated at rock impasse	NCM
	414	1	0-5	0-12	10YR5/4	Yellow brown silty loam	NCM
		2	5-8	12-21	2.5YR5/4	Light olive brown silty clay loam	NCM
	415	1	0-4	0-11	10YR5/4	Yellow brown silty loam	NCM
		2	4-7	11-19	2.5YR5/4	Light olive brown silty clay loam	NCM
	416	1	0-4	0-11	10YR5/4	Yellow brown silty loam	NCM
		2	4-8	11-21	2.5YR5/4	Light olive brown silty clay loam	NCM
	417	1	0-4	0-11	10YR5/4	Yellow brown silty loam , terminated at rock impasse	NCM
	418	1	0-6	0-16	10YR5/4	Yellow brown silty loam	NCM
	419	2	6-10	16-26	2.5YR5/4	Light olive brown silty clay loam	NCM
	420					Not Excavated: In Gravel Road	
	421	1	0-3	0-8	10YR5/4	Yellow brown silt loam with gravel	NCM
		2	3-6	8-16	2.5YR5/4	Light olive brown silty clay loam	NCM
	422	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	8-12	20-30	10YR5/6	Yellow brown silty loam	NCM
	423					Not Excavated: In Gravel Road	
	424	1	0-11	0-29	10YR3/3	Dark brown gravel	NCM
		2	11-15	29-39	10YR5/6	Yellow brown gravel	NCM
	425	1	0-1	0-28	10YR3/3	Dark brown gravel and rocks	NCM
		2	11-15	28-37	10YR5/6	Yellow brown gravel	NCM
	426	1	0-8	0-20	10YR3/3	Dark brown gravel sand and rocks	NCM
		2	8-10	20-25	10YR5/6	Yellow brown gravel sand and rocks	NCM
	427	1	0-7	0-18	10YR3/3	Dark brown gravel sand and rocks	NCM
		2	7-16	18-40	10YR5/6	Yellow brown gravel sand and rocks	NCM
	428	1	0-8	0-21	10YR3/3	Dark brown gravel sand and rocks	NCM
		2	8-11	21-29	10YR5/6	Yellow brown gravel sand and rocks	NCM
	429	1	0-5	0-13	10YR3/3	Dark brown gravel sand and rocks	NCM
	430					Not Excavated: Wetland	
	431	1	0-7	0-17	10YR3/3	Dark brown gravel and rocks	NCM
		2	7-10	17-25	10YR5/6	Yellow brown gravel and rocks	NCM
	432	1	0-6	0-15	10YR3/3	Dark brown gravel and rocks	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-9	15-23	10YR5/6	Yellow brown gravel and rocks	NCM
	433	1	0-7	0-17	10YR3/3	Dark brown gravel and rocks	2003 penny discarded
		2	7-9	17-23	10YR5/6	Yellow brown gravel and rocks	NCM
	434	1	0-6	0-15	10YR3/3	Dark brown gravel and rocks	NCM
		2	6-11	15-29	10YR5/6	Yellow brown gravel and rocks	NCM
	435	1	0-8	0-20	10YR3/3	Dark brown gravel and rocks	NCM
		2	8-10	20-25	10YR5/6	Yellow brown gravel and rocks	NCM
	436	1	0-7	0-18	10YR3/3	Dark brown gravel and rocks	NCM
		2	7-10	18-25	10YR5/6	Yellow brown gravel and rocks	NCM
	437					No Excavated: Large Gravel pile	
TR 57	438	1	0-7	0-17	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	7-11	17-27	2.5YR5/4	Light olive brown dry sandy silt with gravel	NCM
	439	1	0-8	0-21	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	8-12	21-31	2.5YR5/4	Light olive brown dry sandy silt with gravel	NCM
	440	1	0-8	0-21	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	441					Not Excavated: Large drainage ditch	
	442	1	0-7	0-18	10YR4/3	Brown dry sandy silt with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	7-11	18-28	2.5YR5/4	Light olive brown dry sandy silt with gravel	NCM
	443	1	0-7	0-18	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	7-11	18-28	2.5YR5/4	Light olive brown dry sandy silt with gravel , terminated at rock impasse	NCM
	444	1	0-7	0-18	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	7-11	18-28	2.5YR5/4	Light olive brown dry sandy silt with gravel	NCM
	445	1	0-7	0-18	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	7-11	18-29	2.5YR5/4	Light olive brown dry sandy silt with gravel	NCM
	446	1	0-5	0-13	10YR4/3	Brown dry sandy silt with gravel	NCM
	447	2	5-7	13-19	2.5YR5/4	Light olive brown dry sandy silt with gravel	NCM
	448	1	0-9	0-23	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	9-13	23-33	2.5YR5/4	Light olive brown dry sandy silt with gravel	NCM
	449	1	0-7	0-18	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	7-11	18-28	2.5YR5/4	Light olive brown dry sandy silt with gravel	NCM
	450					Not Excavated: Slopes greater than 12% grade	
	451	1	0-4	0-10	10YR4/3	Brown compact sand and grave in bulldozed pile	NCM
	452	1	0-6	0-16	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	453	1	0-9	0-22	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	454	1	0-11	0-28	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	11-12	28-30	10YR6/6	Brown yellow compact sand terminated at rock impasse	NCM
	455	1	0-9	0-24	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	456	1	0-11	0-28	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
		2	11-13	28-33	10YR6/6	Brown yellow compact sand , terminated at rock impasse	NCM
	457	1	0-6	0-15	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	458	1	0-7	0-17	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	459	1	0-10	0-26	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	10-14	26-36	10YR6/6	Brown yellow dry compact sand	NCM
	460	1	0-6	0-14	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	461	1	0-10	0-26	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	10-11	26-29	10YR6/6	Brown yellow compact silt/sand and gravel	NCM
	462					Not Excavated: In Roadway	
	463	1	0-10	0-25	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	10-14	25-35	10YR6/6	Brown yellow compact dry sand	NCM
	464	1	0-6	0-15	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	465	1	0-6	0-16	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	466					Not Excavated: Surface Disturbance	
	467	1	0-6	0-15	10YR3/3	Dark brown gravel and rocks	NCM
		2	6-11	15-29	10YR5/6	Yellow brown gravel and rocks	NCM
	468	1	0-8	0-20	10YR3/3	Dark brown gravel and rocks	NCM
		2	8-10	20-25	10YR5/6	Yellow brown gravel and rocks	NCM
	469	1	0-7	0-18	10YR3/3	Dark brown gravel and rocks	NCM
		2	7-10	18-25	10YR5/6	Yellow brown gravel and rocks	NCM
TR 58	470	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-12	19-31	2.5YR5/4	Light olive brown silt	NCM
	471	1	0-7	0-19	10YR4/3	Brown silty loam	plastic - discarded
		2	7-12	19-30	2.5YR5/4	Light olive brown silt	NCM
	472	1	0-3	0-7	10YR4/3	Brown silty loam	NCM
		2	3-7	7-18	2.5YR5/4	Light olive brown mottled clay with coarse sand	NCM
	473	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	2.5YR5/4	Light olive brown mottled clay with coarse sand	NCM
	474	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-10	17-26	2.5YR5/4	Light olive brown mottled clay with coarse sand and gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	475	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-13	23-33	2.5YR5/4	Light olive brown mottled clay with coarse sand and gravel	NCM
	476	1	0-9	0-24	10YR4/3	Brown silty loam	NCM
		2	9-13	24-34	2.5YR5/4	Light olive brown mottled clay with coarse sand and gravel	NCM
	477	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-12	19-30	2.5YR5/4	Light olive brown mottled clay with coarse sand and gravel	NCM
	478	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-10	15-25	2.5YR5/4	Light olive brown mottled clay with coarse sand and gravel	NCM
	479	1	0-7	0-18	10YR4/3	Brown silty loam with gravel	NCM
		2	7-11	18-28	2.5YR5/4	Light olive brown dry silt with gravel	NCM
	480	1	0-8	0-20	10YR4/3	Brown silty loam with gravel	NCM
		2	8-12	20-30	2.5YR5/4	Light olive brown dry silt with gravel	NCM
	481	1	0-3	0-8	10YR4/3	Brown silty loam with gravel	NCM
		2	3-7	8-18	2.5YR5/4	Light olive brown dense mottled clay	NCM
	482	1	0-6	0-14	10YR4/3	Brown silty loam with gravel	NCM
		2	6-9	14-24	2.5YR5/4	Light olive brown dense mottled clay	NCM
	483	1	0-9	0-24	10YR4/3	Brown silty loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	9-13	24-34	2.5YR5/4	Light olive brown dense mottled clay	NCM
	484	1	0-5	0-13	10YR4/3	Brown silty loam	NCM
		2	5-9	13-24	2.5YR5/4	Light olive brown silt	NCM
	485	1	0-8	0-20	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
	486	1	0-7	0-18	10YR4/3	Brown silty loam	1 piece clear window pane discarded
		2	7-13	18-32	2.5YR5/4	Light olive brown silt	NCM
	487	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-11	18-28	10YR6/6	Brown yellow silt with coarse sand and channery	NCM
	488	1	0-8	0-21	10YR4/3	Brown silty loam	NCM
		2	8-12	21-31	10YR6/6	Brown yellow silt	NCM
	489	1	0-7	0-18	10YR4/3	Brown silty loam with channery	NCM
		2	7-12	18-31	10YR6/6	Brown yellow dry silt and coarse sand	NCM
	490	1	0-7	0-17	10YR4/3	Brown silty loam with shale rock and gravel	NCM
		2	7-11	17-29	10YR6/6	Brown yellow dry silt and coarse sand	NCM
	491	1	0-8	0-20	10YR4/3	Brown silty loam with shale rock and gravel	window glass discarded
		2	8-12	20-30	2.5YR5/4	Brown yellow dry silt and coarse sand	NCM
	492	1	0-12	0-31	10YR4/3	Brown silty loam with channery , terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	493					Not Excavated: Wetland	
	494					Not Excavated: Wetland	
	495	1	0-11	0-28	10YR4/3	Brown silty loam with shale rock and gravel , terminated at rock impasse	buried iron pipe
	496	1	0-7	0-18	10YR4/3	Brown silty loam with shale rock and gravel , terminated at rock impasse	NCM
		2	7-9	18-24	10YR6/6	Brown yellow compact dry sand	NCM
	497	1	0-10	0-25	10YR4/3	Brown silty loam with shale rock and gravel	NCM
		2	10-12	25-31	10YR6/6	Brown yellow compact dry sand	NCM
	498	1	0-7	0-17	10YR3/4	Dark yellow brown silty loam , terminated at rock impasse	old rubber fragment (mower belt?)
						Not Excavated: Old Roadway	
	499	1	0-11	0-28	10YR4/3	Brown silty loam with shale rock and gravel , terminated at rock impasse	NCM
	500	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-12	19-30	2.5YR5/4	Light olive brown mottled clay with coarse sand and gravel	NCM
TR 59	501	1	0-10	0-25	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	10-14	25-35	10YR6/6	Brown yellow compact dry sand	NCM
	502	1	0-16	0-40	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	503	1	0-7	0-18	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	7-9	18-22	10YR6/6	Brown yellow compact dry sand , terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	504	1	0-10	0-26	10YR4/3	Brown dry sandy silt with gravel	NCM
		2	10-12	26-30	10YR6/6	Brown yellow compact dry sand , terminated at rock impasse	NCM
	505	1	0-8	0-20	10YR4/3	Brown dry sandy silt with gravel , terminated at rock impasse	NCM
	506					Not Excavated: in pond	
	507					Not Excavated: Slopes greater than 12% grade	
	508	1	0-12	0-30	10YR4/3	Brown sandy soil with gravel	NCM
		2	12-16	30-40	10YR6/6	Brown yellow compact sand	NCM
	509	1	0-6	0-14	10YR4/3	Brown sandy soil with gravel	NCM
		2	6-10	14-25	10YR6/6	Brown yellow compact sand	NCM
	510	1	0-7	0-18	10YR4/3	Brown sandy soil with gravel	NCM
		2	7-11	18-28	10YR6/6	Brown yellow compact sand	NCM
	511	1	0-7	0-17	10YR4/3	Brown sandy soil with gravel	NCM
		2	7-11	17-28	10YR5/6	Yellow brown dry mottled clay	NCM
	512	1	0-8	0-21	10YR4/3	Brown sandy soil with gravel	NCM
		2	8-13	21-33	10YR6/6	Brown yellow compact sand	NCM
	513	1	0-9	0-23	10YR4/3	Brown sandy soil with gravel	NCM
		2	9-14	23-35	10YR6/6	Brown yellow compact sand	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 60	514	1	0-6	0-15	10YR3/3	Dark brown silty loam , terminated at rock impasse	NCM
	515	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM
		2	8-12	20-30	10YR5/6	Yellow brown silty loam	NCM
	516	1	0-5	0-12	10YR3/3	Dark brown silty loam	NCM
		2	5-8	12-20	10YR5/6	Yellow brown silty loam	NCM
	517	1	0-7	0-18	10YR3/3	Dark brown silty loam	NCM
		2	7-11	18-28	10YR5/6	Yellow brown silty loam	NCM
	518	1	0-7	0-17	10YR3/3	Dark brown silty loam	NCM
		2	7-10	17-26	10YR5/6	Yellow brown silty loam , terminated at rock impasse	NCM
	519	1	0-7	0-19	10YR3/3	Dark brown silty loam	NCM
		2	7-11	19-28	10YR5/6	Yellow brown silty loam	NCM
	520	1	0-10	0-26	10YR3/4	Dark yellow brown silty loam	NCM
		2	10-14	26-35	10YR5/6	Yellow brown silty loam	NCM
	521	1	0-4	0-11	10YR3/3	Dark brown silty loam	NCM
		2	4-8	11-20	10YR5/6	Yellow brown silty loam	NCM
	522	1	0-7	0-18	10YR3/3	Dark brown silty loam	NCM
		2	7-10	18-26	10YR5/6	Yellow brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	523	1	0-6	0-16	10YR3/3	Dark brown silty loam	NCM
		2	6-10	16-26	10YR5/6	Yellow brown silty loam	NCM
	524	1	0-9	0-23	10YR3/3	Dark brown silty loam	NCM
		2	9-13	23-34	10YR5/6	Yellow brown silty loam	NCM
	525	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM
		2	8-11	20-29	10YR5/6	Yellow brown silty loam	NCM
	526	1	0-7	0-19	10YR3/3	Dark brown silty loam	NCM
		2	7-11	19-28	10YR5/6	Yellow brown silty loam	NCM
TR 61	527	1	0-7	0-17	10YR3/3	Dark brown silty loam	NCM
		2	7-11	17-28	10YR5/6	Yellow brown silty loam	NCM
	528	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM
		2	8-12	20-31	10YR5/6	Yellow brown silty loam	NCM
	529	1	0-11	0-28	10YR3/3	Dark brown silty loam , terminated at rock impasse	NCM
	530	1	0-9	0-24	10YR3/3	Dark brown silty loam	NCM
		2	9-15	24-38	10YR5/6	Yellow brown silty loam	NCM
	531	1	0-10	0-25	10YR3/3	Dark brown silty loam	NCM
		2	10-14	25-35	10YR5/6	Yellow brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 62	532	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	2.5YR5/4	Light olive brown mottled silt	NCM
	533	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-31	10YR5/6 - 10YR6/6	Yellow brown to brown yellow silty gravel	NCM
	534	1	0-8	0-21	10YR4/3	Brown silty loam	NCM
		2	8-13	21-32	10YR5/6	Yellow brown silt with coarse sand pea gravel and pebbles	NCM
	535	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-31	10YR5/6 - 10YR6/6	Yellow brown to brown yellow silty sand with pea sand and gravel	NCM
	536	1	0-6	0-14	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
	537	1	0-16	0-41	10YR5/2 & 2.5YR5/4	Gray clay and gravel	NCM
	538	1	0-6	0-14	10YR5/2	Gray brown silty sand and gravel	fiber drain pipe frag -discarded
	539	1	0-8	0-20	10YR5/2	Gray brown silty sand and gravel	NCM
	540	1	0-12	0-30	10YR5/2	Gray brown silty sand and gravel	fiber/asphalt pipe frag-Discarded
	541	1	0-6	0-15	10YR5/2	Gray brown silty sand and gravel	NCM
		2	6-12	15-30	10YR4/4	Dark yellow brown fine silt with gravel	NCM
	542	1	0-6	0-15	10YR5/2	Gray brown silty loam with shale and gravel	NCM
		2	6-12	15-30	10YR4/4	Dark yellow brown fine silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	543	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-31	10YR5/6 - 10YR6/6	Yellow brown to brown yellow silty gravel	NCM
TR 63	544	1	0-8	0-20	10YR3/3	Dark brown silty loam	plastic/PVC pipe-buried
	545	1	0-6	0-16	10YR3/3	Dark brown silty loam	NCM
		2	6-10	16-25	10YR7/2	Gray silty loam	NCM
	546	1	0-6	0-15	10YR3/3	Dark brown silty loam	NCM
		2	6-9	15-23	10YR7/2	Gray silty loam	NCM
	547	1	0-6	0-15	10YR3/3	Dark brown silty loam	NCM
		2	6-10	15-25	10YR5/6	Yellow brown silty loam	NCM
	548	1	0-5	0-12	10YR3/3	Dark brown silty loam	NCM
		2	5-9	12-23	10YR5/6	Yellow brown silty loam	NCM
	549	1	0-7	0-18	10YR3/3	Dark brown silty loam	NCM
		2	7-11	18-27	10YR5/6	Yellow brown silty loam	NCM
	550	1	0-5	0-12	10YR3/3	Dark brown silty loam	NCM
		2	5-8	12-20	10YR5/6	Yellow brown silty loam	NCM
	551	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM
		2	8-12	20-30	10YR5/6	Yellow brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	552	1	0-4	0-10	10YR3/3	Dark brown silty loam	NCM
	553	1	0-4	0-10	10YR3/3	Dark brown silty loam	NCM
		2	4-8	10-20	10YR5/6	Yellow brown silty loam	NCM
	554	1	0-4	0-9	10YR3/3	Dark brown silty loam	NCM
		2	4-8	9-20	10YR5/6	Yellow brown silty loam	NCM
	555	1	0-6	0-15	10YR3/3	Dark brown silty loam	NCM
		2	6-10	15-25	10YR5/6	Yellow brown silty loam	NCM
	556	1	0-9	0-22	10YR5/4	Yellow brown silty loam	NCM
		2	9-12	22-31	10YR7/6	Yellow silty loam	NCM
	557	1	0-8	0-20	10YR5/4	Yellow brown silty loam	NCM
		2	8-15	20-38	10YR7/6	Yellow silty loam	NCM
	558	1	0-9	0-22	10YR5/4	Yellow brown silty loam	NCM
		2	9-12	22-30	10YR7/6	Yellow silty loam	NCM
TR 64	559	1	0-7	0-18	10YR5/2	Gray brown silt	1 golf ball
		2	7-11	18-28	10YR4/4	Dark yellow brown silt with gravel	NCM
	560	1	0-7	0-18	10YR5/2	Gray brown silt	NCM
		2	7-11	18-28	10YR4/4	Dark yellow brown silt with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	561	1	0-8	0-20	10YR5/2	Gray brown silt	NCM
		2	8-12	20-30	10YR4/4	Dark yellow brown silt with gravel	NCM
	562	1	0-8	0-20	10YR5/2	Gray brown silt	NCM
		2	8-12	20-30	10YR4/4	Dark yellow brown silt with gravel	NCM
	563	1	0-6	0-15	10YR5/2	Gray brown silt	NCM
		2	6-10	15-25	10YR4/4	Dark yellow brown silt with gravel	NCM
	564	1	0-7	0-17	10YR5/2	Gray brown silt	NCM
		2	7-11	17-27	10YR4/4	Dark yellow brown silt with gravel	NCM
	565	1	0-6	0-15	10YR5/2	Gray brown silt	NCM
		2	6-10	15-25	10YR4/4	Dark yellow brown silt with gravel	NCM
	566	1	0-5	0-12	10YR5/2	Gray brown silt	NCM
		2	5-9	12-22	10YR4/4	Dark yellow brown silt with gravel	NCM
TR 65	567	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-13	22-32	10YR5/3	Gray brown silt with shale and rock	NCM
	568	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-11	18-28	10YR6/6	Brown yellow silty with shale	NCM
	569	1	0-9	0-22	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	9-13	22-32	10YR6/6	Brown yellow silty with shale	NCM
	570	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-11	18-28	10YR4/6	Dark yellow brown silty with shale and pebbles	NCM
	571	1	0-4	0-10	10YR4/3	Brown silty loam	NCM
		2	4-8	10-20	10YR4/6	Dark yellow brown silty with gravel	NCM
	572	1	0-12	0-30	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
	573	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-13	22-32	10YR4/6	Dark yellow brown silty with gravel	NCM
	574	1	0-6	0-14	10YR4/3	Brown silty loam with gravel	NCM
		2	6-9	14-24	10YR4/6	Dark yellow brown silty gravel	NCM
Area F							
TR 66	575	1	0-8	0-20	10YR4/6	Dark yellow brown silty loam , terminated at root impasse	NCM
	576	1	0-12	0-30	10YR4/6	Dark yellow brown silty loam , terminated at root impasse	NCM
	577	1	0-13	0-33	10YR4/6	Dark yellow brown silty loam	NCM
		2	13-15	33-38	10YR5/6	Yellow brown silty loam	NCM
	578	1	0-11	0-28	10YR4/6	Dark yellow brown silty loam	NCM
		2	11-14	28-36	10YR5/6	Yellow brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	579	1	0-11	0-29	10YR4/6	Dark yellow brown silt	NCM
		2	11-15	29-37	10YR5/6	Yellow brown silt	NCM
	580	1	0-8	0-20	10YR4/6	Dark yellow brown wet silt	NCM
		2	8-12	20-30	10YR5/6	Yellow brown wet silt	NCM
	581					Not Excavated: Wetland	
	582	1	0-13	0-34	10YR3/3	Dark brown wet silty loam, terminated at pooling water	NCM
	583					Not Excavated: Drainage ditch	
	584					Not Excavated: Drainage ditch	
	585					Not Excavated: Rock wall pile	
	586	1	0-4	0-9	10YR3/3	Dark brown wet silty loam	NCM
		2	4-8	9-20	10YR5/6	Yellow brown silty loam	NCM
	587	1	0-5	0-12	10YR3/3	Dark brown wet silty loam	NCM
		2	5-8	12-20	10YR5/6	Yellow brown silty loam	NCM
	588	1	0-7	0-17	10YR3/3	Dark brown wet silty loam	NCM
		2	7-11	17-27	10YR5/6	Yellow brown silty loam	NCM
	589	1	0-8	0-20	10YR3/3	Dark brown wet silty loam , terminated at rock impasse	NCM
	590					Not Excavated: Rock wall pile	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	591	1	0-9	0-23	10YR3/3	Dark brown wet silty loam	NCM
		2	9-12	23-30	10YR5/6	Yellow brown silty loam	NCM
	592	1	0-7	0-18	10YR3/3	Dark brown wet silty loam	NCM
		2	7-11	18-28	10YR5/6	Yellow brown silty loam	NCM
	593	1	0-6	0-15	10YR3/3	Dark brown wet silty loam	NCM
		2	6-10	15-25	10YR5/6	Yellow brown silt	NCM
	594	1	0-8	0-21	10YR4/6	Dark yellow brown dry silt	NCM
		2	8-12	21-30	10YR5/6	Yellow brown dry silt	NCM
	595	1	0-4	0-10	10YR4/6	Dark yellow brown dry silt	NCM
		2	4-8	10-20	10YR5/6	Yellow brown dry silt	NCM
	596	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-10	18-26	10YR5/6	Yellow brown dry silt	NCM
	597					Not Excavated: Rock pile	
	598					Not Excavated: Rock pile	
	599	1	0-12	0-30	10YR3/3	Dark brown wet silt , terminated at rock impasse	NCM
	600	1	0-13	0-32	10YR3/2	Very dark gray brown wet clay, terminated at rock impasse	NCM
	601	1	0-4	0-10	10YR4/6	Dark yellow brown wet silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	4-10	10-25	10YR3/2	Very dark gray brown wet clay	NCM
	602	1	0-7	0-17	10YR3/2	Very dark gray brown wet silt	NCM
		2	7-11	17-28	10YR4/6	Dark yellow brown gravelly clay	NCM
	603	1	0-5	0-13	10YR4/6	Dark yellow brown dry silt	NCM
		2	5-8	13-20	10YR5/6	Yellow brown dry silt	NCM
	604	1	0-5	0-12	10YR4/6	Dark yellow brown dry silt	NCM
		2	5-8	12-20	10YR5/6	Yellow brown dry silt	NCM
	605					Not Excavated: Rock wall pile	
	606					Not Excavated: Rock wall pile	
	607					Not Excavated: Rock wall pile	
	608	1	0-10	0-26	10YR4/6	Dark yellow brown dry silt	NCM
		2	10-13	26-33	10YR5/6	Yellow brown dry silt	NCM
TR 67	609	1	0-11	0-22	10YR4/3	Brown silty loam	NCM
		2	11-13	22-32	10YR6/6	Brown yellow silt	NCM
	610	1	0-8	0-19	10YR4/3	Brown silty loam	NCM
		2	8-13	19-32	10YR6/6	Brown yellow silt	NCM
	611	1	0-11	0-22	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	612	1	0-10	0-25	10YR4/3	Brown silty loam	NCM
		2	10-15	25-37	10YR6/6	Brown yellow silt	NCM
	613	1	0-10	0-26	10YR4/3	Brown silty loam	NCM
		2	10-15	26-36	10YR6/6	Brown yellow silt	NCM
	614	1				Not Excavated: Slopes greater than 12% grade	
		1				Not Excavated: Slopes greater than 12% grade	
	615	1	0-8	0-20	10YR5/2	Gray brown silty loam with gravel	NCM
		2	8-13	20-33	10YR6/4	Light yellow brown silt with gravel	NCM
	616	1	0-8	0-20	10YR5/2	Gray brown silty loam with gravel	NCM
		2	8-13	20-34	10YR6/4	Light yellow brown silt with gravel	NCM
	617	1	0-9	0-23	10YR5/2	Gray brown silty loam with gravel	NCM
		2	9-15	23-38	10YR6/4	Light yellow brown silt with gravel	NCM
	618	1	0-3	0-8	10YR5/2	Gray brown silty loam with gravel	NCM
		2	3-10	8-26	10YR6/4	Light yellow brown silt with gravel	NCM
	619	1				Not Excavated: Slopes greater than 12% grade	
	620	1				Not Excavated: Slopes greater than 12% grade	
	621	1	0-5	0-14	10YR5/2	Gray brown silty loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	5-13	14-34	10YR6/4	Light yellow brown silt with gravel	NCM
	622	1				Not Excavated: Slopes greater than 12% grade	
	623	1				Not Excavated: Slopes greater than 12% grade	
	624	1				Not Excavated: Slopes greater than 12% grade	
	625	1				Not Excavated: Slopes greater than 12% grade	
	626	1				Not Excavated: Drainage Channel	
	627	1				Not Excavated: Drainage Channel	
	628	1				Not Excavated: Drainage Channel	
	629	1	0-9	0-22	10YR4/6	Dark yellow brown silty loam , terminated at rock impasse	NCM
	630	1				Not Excavated: Rock wall	
	631	1	0-9	0-22	10YR4/6	Dark yellow brown silty loam , terminated at rock impasse	NCM
	632	1	0-8	0-21	10YR4/6	Dark yellow brown silty loam , terminated at rock impasse	NCM
	633	1	0-6	0-15	10YR4/6	Dark yellow brown silty loam , terminated at rock impasse	NCM
	634	1	0-12	0-32	10YR4/6	Dark yellow brown silty loam , terminated at rock impasse	NCM
	635	1	0-11	0-28	10YR4/6	Dark yellow brown silty loam , terminated at rock impasse	NCM
	636					Not Excavated: Wetland	
	637					Not Excavated: Wetland	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	638					Not Excavated: Wetland	
	639					Not Excavated: Wetland	
	640	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-10	16-26	10YR6/6	Brown yellow silt	NCM
TR 68	641	1	0-6	0-14	10YR5/2	Gray brown silty loam	NCM
		2	6-10	14-24	10YR6/4	Light yellow brown silt with gravel	NCM
	642	1	0-6	0-16	10YR5/2	Gray brown silt with gravel	NCM
		2	6-10	16-26	10YR6/4	Light yellow brown silt with gravel	NCM
	643	1	0-4	0-10	10YR5/2	Gray brown silty loam with gravel	NCM
		2	4-8	10-20	10YR6/4	Light yellow brown silt with gravel	NCM
	644	1	0-6	0-14	10YR5/2	Gray brown silty loam with gravel	NCM
		2	6-9	14-24	10YR6/4	Light yellow brown silt with gravel	NCM
	645					Not Excavated: Slopes greater than 12% grade	
	646	1	0-5	0-12	10YR5/2	Gray brown silty loam with gravel	NCM
		2	5-9	12-22	10YR6/4	Light yellow brown silt with gravel	NCM
	647	1	0-6	0-16	10YR5/2	Gray brown silty loam with gravel	NCM
		2	6-10	16-26	10YR6/4	Light yellow brown silt with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	648	1	0-6	0-16	10YR5/2	Gray brown silty loam with gravel	NCM
		2	6-12	16-30	10YR6/4	Light yellow brown silt with gravel	NCM
	649	1	0-7	0-18	10YR5/2	Gray brown silty loam with gravel	NCM
		2	7-12	18-30	10YR6/4	Light yellow brown silt with gravel	NCM
	650					Not Excavated: Slopes greater than 12% grade	
	651					Not Excavated: Slopes greater than 12% grade	
	652					Not Excavated: Slopes greater than 12% grade	
	653					Not Excavated: Slopes greater than 12% grade	
	654	1	0-7	0-18	10YR5/2	Gray brown silty loam	NCM
		2	7-12	18-30	10YR6/4	Light yellow brown silt with gravel	NCM
	655					Not Excavated: Slopes greater than 12% grade	
	656	1	0-6	0-14	10YR5/2	Gray brown silty loam	NCM
		2	6-9	14-24	10YR6/4	Light yellow brown silt with gravel	NCM
	657	1	0-9	0-22	10YR6/4	Light yellow brown silty loam with gravel	NCM
	658	1	0-6	0-16	10YR5/2	Gray brown silty loam with gravel	NCM
		2	6-10	16-26	10YR6/4	Light yellow brown silt with gravel	NCM
	659	1	0-6	0-15	10YR3/4	Dark yellow brown silt, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	660	1	0-6	0-15	10YR3/4	Dark yellow brown silt with rock	NCM
		2	6-10	15-25	10YR6/6	Brown yellow silty clay with rock	NCM
	661					Not Excavated: Rock strewn area	NCM
	662					Not Excavated: Rock strewn area	
	663					Not Excavated: Rock strewn area	
	664	1	0-6	0-14	10YR3/4	Dark yellow brown silt with rock	
		2	6-11	14-28	10YR6/6	Brown yellow silty clay with rock	NCM
	665	1	0-18	0-45	10YR3/4	Dark yellow brown rocky silt, terminated at rock impasse	NCM
	666	1	0-1	0-3	10YR3/4	Dark yellow brown silt with rock	NCM
		2	1-5	3-13	10YR6/6	Brown yellow silty clay with rock	NCM
TR 69	667					Not Excavated: Bulldozed mound	
	668	1	0-16	0-40	10YR4/3	Brown silty sandy loam , terminated at rock impasse	NCM
	669					Not Excavated: Bulldozed mound	
	670	1	0-11	0-28	10YR3/4	Dark yellow brown silt with rock	NCM
		2	11-15	28-38	10YR6/6	Brown yellow silty clay with rock	NCM
	671					Not Excavated: Surface Disturbance	
	672					Not Excavated: Surface Disturbance	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	673					Not Excavated: Surface Disturbance	
	674					Not Excavated: Surface Disturbance	
	675	1	0-5	0-13	10YR3/4	Dark yellow brown silt with rock	NCM
		2	5-10	13-26	10YR6/6	Brown yellow silty clay with rock	NCM
	676					Not excavated: in existing roadway	
	677					Not excavated: in existing roadway	
	678					Not excavated: in existing roadway	
	679	1	0-11	0-28	10YR3/4	Dark yellow brown silt with rock	NCM
		2	11-15	28-38	10YR6/6	Brown yellow silty clay with rock	NCM
	680					Not excavated: in existing roadway	
	681					Not excavated: in existing roadway	
	682					Not excavated: in existing roadway	
	683	1	0-9	0-22	10YR3/4	Dark yellow brown silt with rock	NCM
		2	9-13	22-32	10YR6/6	Brown yellow silty clay with rock	NCM
	684	1	0-11	0-27	10YR3/4	Dark yellow brown silty sandy loam	NCM
		2	11-15	27-37	10YR6/6	Brown yellow silty sandy loam	NCM
	685	1	0-2	0-5	10YR3/2	Dark grayish brown loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	2-6	5-15	10YR3/4	Dark yellow brown silt with rock	NCM
		3	6-10	15-25	10YR6/6	Brown yellow silty clay with rock	NCM
	686	1	0-8	0-21	10YR3/4	Dark yellow brown silt with rock	NCM
		2	8-12	21-31	10YR6/6	Brown yellow silty clay with rock	NCM
	687	1	0-8	0-20	10YR3/4	Dark yellow brown silt with rock	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silty clay with rock	NCM
	688					Not Excavated: Surface Disturbance	
	689					Not Excavated: Large soil mound	
	690					Not Excavated: Surface Disturbance	
	691					Not Excavated: Surface Disturbance	
	692					Not Excavated: Surface Disturbance	
	693					Not Excavated: Surface Disturbance	
	694	1	0-9	0-22	10YR3/4	Dark yellow brown silt with rock	NCM
		2	9-13	22-33	10YR6/6	Brown yellow silty clay with rock	NCM
	695	1	0-8	0-20	10YR3/4	Dark yellow brown silt with rock	NCM
		2	8-12	20-31	10YR6/6	Brown yellow silty clay with rock	NCM
	696	1	0-8	0-21	10YR4/3	Brown sand	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	8-12	21-31	10YR6/6	Brown yellow silty sandy loam	NCM
	697	1	0-8	0-20	10YR3/4	Dark yellow brown soft silty sand	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt	NCM
	698	1	0-18	0-45	10YR3/4	Dark yellow brown silt with rock, terminated at rock impasse	NCM
TR 70	699	1	0-11	0-28	10YR4/6	Dark yellow brown silty loam , terminated at rock impasse	NCM
	700	1	0-6	0-15	10YR4/6	Dark yellow brown silty loam	NCM
		2	6-10	15-25	10YR5/6	Yellow brown silty loam	NCM
	701	1	0-1	0-29	10YR4/6	Dark yellow brown silty loam , terminated at rock impasse	NCM
	702	1	0-6	0-14	10YR4/6	Dark yellow brown silty loam	NCM
		2	6-9	14-22	10YR5/6	Yellow brown silty loam	NCM
	703	1	0-8	0-20	10YR4/6	Dark yellow brown silty loam	NCM
		2	8-12	30-30	10YR5/6	Yellow brown silty loam	NCM
	704					Not Excavated: Slopes greater than 12% grade	
	705					Not Excavated: Slopes greater than 12% grade	
	706					Not Excavated: Slopes greater than 12% grade	
	707	1	0-5	0-13	10YR4/6	Dark yellow brown silty loam	NCM
		2	5-11	13-27	10YR5/6	Yellow brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 71	708		0-4	0-10	10YR4/3	Brown silt loam gravel and rocks	NCM
			4-11	10-27	10YR6/6	Brown yellow silty clay with rock	NCM
	709					Not Excavated: Slopes greater than 12% grade	
	710					Not Excavated: Slopes greater than 12% grade	
	711		0-7	0-18	10YR4/3	Brown silt loam gravel and rocks	NCM
			7-11	18-28	10YR6/6	Brown yellow silty clay with rock	NCM
	712		0-7	0-17	10YR4/3	Brown silt loam gravel and rocks	NCM
i			7-12	17-30	10YR6/6	Brown yellow silty clay with rock	NCM
	713		0-6	0-14	10YR4/3	Brown silt loam gravel and rocks	NCM
			6-12	14-29	10YR6/6	Brown yellow silty clay with rock	NCM
	714		0-7	0-16	10YR4/3	Brown silt loam gravel and rocks	NCM
			7-11	16-26	10YR6/6	Brown yellow silty clay with rock	NCM
	715		0-4	0-10	10YR4/3	Brown silt loam gravel and rocks, terminated at rock obstruction	NCM
TR 72	716		0-12	0-30	10YR3/3	Dark brown sandy loam	NCM
TR 73	717	1	0-8	0-20	10YR5/2	Gray brown silty loam with gravel	NCM
		2	8-12	20-31	10YR6/4	Light yellow brown silt with gravel	NCM
	718	1	0-8	0-20	10YR5/2	Gray brown silty loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	8-13	20-32	10YR6/4	Light yellow brown silt with gravel	NCM
Area G							
TR 74	719	1	0-4	0-10	10YR4/3	Brown silty loam with shale gravel and pebbles	NCM
		2	4-8	10-20	10YR6/6	Brown yellow silt with shale	NCM
	720					Not Excavated: Slopes greater than 12% grade	
	721	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-12	12-30	10YR6/6	Brown yellow silt	NCM
	722	1	0-5	0-13	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	5-12	13-30	10YR6/6	Brown yellow silt with shale	NCM
	723	1	0-4	0-10	10YR4/3	Brown silty loam	NCM
		2	4-8	10-21	10YR6/6	Brown yellow silt	NCM
TR 75	724	1	0-6	0-14	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-9	14-22	10YR5/6	Yellow brown dry silt	NCM
	725					Not Excavated: Slopes greater than 12% grade	
	726	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-12	18-30	10YR5/6	Yellow brown dry silt	NCM
	727	1	0-4	0-10	10YR4/6	Dark yellow brown dry silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	4-10	10-25	10YR5/6	Yellow brown dry silt	NCM
	728	1	0-8	0-20	10YR4/6	Dark yellow brown dry silt	NCM
		2	8-12	20-30	10YR5/6	Yellow brown dry silt	NCM
	729	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-12	18-30	10YR5/6	Yellow brown dry silt	NCM
TR 76	730	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-31	10YR6/6	Brown yellow silt	NCM
	731	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-31	10YR6/6	Brown yellow silt	NCM
	732	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-14	15-35	10YR6/6	Brown yellow silt	NCM
	733	1	0-5	0-12	10YR4/3	Brown silty loam with shale gravel and pebbles	NCM
		2	5-12	12-30	10YR6/6	Brown yellow silt with shale and gravel	NCM
	734	1	0-5	0-13	10YR4/3	Brown silty loam with shale and pebbles	NCM
		2	5-13	13-33	10YR6/6	Brown yellow silt with shale	NCM
	735	1	0-5	0-12	10YR4/3	Brown silty loam with shale and pebbles	NCM
		2	5-9	12-22	10YR6/6	Brown yellow silt with shale	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	736	1	0-5	0-12	10YR4/3	Brown silty loam with shale and pebbles	NCM
		2	5-12	12-31	10YR6/6	Brown yellow silt with shale	NCM
TR 77	737	1	0-5	0-12	10YR4/6	Dark yellow brown dry silt	NCM
		2	5-9	12-22	10YR5/6	Yellow brown dry silt	NCM
	738	1	0-6	0-16	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-9	16-24	10YR5/6	Yellow brown dry silt	NCM
	739					Not Excavated: Slopes greater than 12% grade	
	740	1	0-8	0-20	10YR4/6	Dark yellow brown dry silt , terminated at root impasse	NCM
	741	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-11	18-28	10YR5/6	Yellow brown dry silt	NCM
	742	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-10	15-25	10YR5/6	Yellow brown dry silt	NCM
	743	1	0-6	0-14	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-12	14-30	10YR6/6	Brown yellow dry silt	NCM
	744	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-10	15-25	10YR6/6	Brown yellow dry silt	NCM
TR 78	745	1	0-7	0-17	10YR4/6	Dark yellow brown dry silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	7-11	17-28	10YR6/6	Brown yellow dry silt	NCM
	746					Not Excavated: Slopes greater than 12% grade	
	747	1	0-8	0-20	10YR4/6	Dark yellow brown dry silt	NCM
		2	8-12	20-30	10YR6/6	Brown yellow dry silt	NCM
	748	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-11	15-27	10YR6/6	Brown yellow dry silt	NCM
	749	1	0-5	0-12	10YR4/6	Dark yellow brown dry silt	NCM
		2	5-10	12-20	10YR6/6	Brown yellow dry silt	NCM
	750	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-9	15-24	10YR6/6	Brown yellow dry silt	NCM
	751	1	0-5	0-12	10YR4/6	Dark yellow brown dry silt	NCM
		2	5-8	12-20	10YR6/6	Brown yellow dry silt	NCM
ztr 79	752	1	0-5	0-13	10YR4/3	Brown silty loam with shale and pebbles	NCM
		2	5-13	13-32	10YR6/6	Brown yellow silt with shale	NCM
	753	1	0-4	0-10	10YR4/3	Brown silty loam with shale and pebbles	NCM
		2	4-14	10-35	10YR6/6	Brown yellow silt with shale	NCM
	754	1	0-4	0-9	10YR4/3	Brown silty loam with shale and pebbles	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	4-8	9-21	10YR6/6	Brown yellow silt with shale	NCM
	755	1	0-5	0-12	10YR4/3	Brown silty loam with shale and pebbles	NCM
		2	5-11	12-29	10YR6/6	Brown yellow silt with shale	NCM
	756	1	0-4	0-11	10YR4/3	Brown silty loam with shale and pebbles	NCM
		2	4-11	11-29	10YR6/6	Brown yellow silt with shale	NCM
TR 80	757	1	0-4	0-11	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	4-12	11-30	10YR6/6	Brown yellow silt with shale	NCM
	758	1	0-4	0-11	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	4-12	11-30	10YR6/6	Brown yellow silt with shale	NCM
	759	1	0-4	0-10	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	4-8	10-21	10YR6/6	Brown yellow silt with shale	NCM
	760	1	0-5	0-12	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	5-8	12-20	10YR6/6	Brown yellow silt with shale , terminated at root impasse	NCM
	761	1	0-4	0-11	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	4-11	11-29	10YR6/6	Brown yellow silt with shale , terminated at root impasse	NCM
TR 81	762	1	0-9	0-23	10YR4/6	Dark yellow brown dry silt	NCM
		2	9-12	23-30	10YR6/6	Brown yellow dry silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	763	1	0-9	0-23	10YR5/6	Yellow brown silt	NCM
		2	9-13	23-33	10YR6/6	Brown yellow dry silt	NCM
	764	1	0-8	0-20	10YR5/6	Yellow brown silt	NCM
		2	8-12	20-30	10YR6/6	Brown yellow dry silt	NCM
	765	1	0-5	0-12	10YR5/6	Yellow brown silt	NCM
		2	5-14	12-35	10YR6/6	Brown yellow dry silt	NCM
	766	1	0-6	0-14	10YR5/6	Yellow brown silt	NCM
		2	6-9	14-24	10YR6/6	Brown yellow dry silt	NCM
	767	1	0-6	0-15	10YR5/6	Yellow brown silt	NCM
		2	6-9	15-23	10YR6/6	Brown yellow dry silt	NCM
TR 82	768	1	0-7	0-18	10YR5/6	Yellow brown silt	NCM
		2	7-10	18-26	10YR6/6	Brown yellow compact silt/sand and gravel	NCM
	769	1	0-5	0-13	10YR5/6	Yellow brown silt	NCM
		2	5-9	13-22	10YR6/6	Brown yellow dry silt	NCM
	770	1	0-6	0-15	10YR5/6	Yellow brown silt	NCM
		2	6-12	15-30	10YR6/6	Brown yellow dry silt	NCM
	771	1	0-6	0-16	10YR5/6	Yellow brown silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-10	16-26	10YR6/6	Brown yellow dry silt	NCM
	772	1	0-7	0-17	10YR5/6	Yellow brown silt	NCM
		2	7-11	17-28	10YR6/6	Brown yellow dry silt	NCM
	773	1	0-5	0-12	10YR5/6	Yellow brown silt	NCM
		2	5-11	12-28	10YR6/6	Brown yellow dry silt	NCM
	774	1	0-4	0-10	10YR5/6	Yellow brown silt	NCM
		2	4-9	10-22	10YR6/6	Brown yellow dry silt	NCM
TR 83	775	1	0-6	0-14	10YR4/3	Brown silty loam with shale gravel and pebbles	NCM
		2	6-14	14-35	10YR6/6	Brown yellow silt with shale	NCM
	776	1	0-6	0-15	10YR4/3	Brown silty loam with shale gravel and pebbles	NCM
		2	6-13	15-32	10YR6/6	Brown yellow silt with shale	NCM
	777	1	0-4	0-11	10YR4/3	Brown silty loam	NCM
		2	4-13	11-32	10YR6/6	Brown yellow silt with shale	NCM
	778	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-13	15-32	10YR6/6	Brown yellow silt with shale	NCM
	779	1	0-6	0-15	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	6-13	15-33	10YR6/6	Brown yellow silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	780	1	0-6	0-14	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	6-13	14-32	10YR6/6	Brown yellow silt	NCM
TR 84	781	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-12	15-30	10YR6/6	Brown yellow dry silt	NCM
	782	1	0-5	0-13	10YR4/6	Dark yellow brown dry silt	NCM
		1	5-10	13-25	10YR6/6	Brown yellow dry silt	NCM
	783	1	0-6	0-15	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	6-13	15-33	10YR6/6	Brown yellow silt	NCM
	784	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-11	18-27	10YR6/6	Brown yellow dry silt	NCM
	785	1	0-6	0-14	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-10	14-25	10YR6/6	Brown yellow dry silt	NCM
	786	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-12	15-30	10YR6/6	Brown yellow dry silt	NCM
TR 85	787	1	0-6	0-14	10YR4/3	Brown silty loam with shale and gravel , terminated at rock impasse	NCM
	788	1	0-5	0-13	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	5-11	13-29	10YR6/6	Brown yellow silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	789	1	0-5	0-12	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	5-11	12-29	10YR6/6	Brown yellow silt	NCM
	790	1	0-6	0-14	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	6-13	14-34	10YR6/6	Brown yellow silt	NCM
	791	1	0-6	0-15	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	6-13	15-32	10YR6/6	Brown yellow silt	NCM
	792	1	0-6	0-14	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	6-12	14-31	10YR6/6	Brown yellow silt	NCM
TR 86	793	1	0-6	0-14	10YR3/3	Dark brown silty loam	1 piece coal discarded
		2	6-12	14-30	10YR4/6	Dark yellow brown silty loam	NCM
	794	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-10	15-25	10YR6/6	Brown yellow dry silt	NCM
	795	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-12	18-30	10YR6/6	Brown yellow dry silt	NCM
	796	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-11	18-28	10YR6/6	Brown yellow dry silt	NCM
TR 87	797	1	0-7	0-17	10YR4/3	Brown silty loam with shale and gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	7-12	17-30	10YR6/6	Brown yellow crumbly silt with shale	NCM
	798	1	0-5	0-13	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	5-12	13-30	10YR6/6	Brown yellow crumbly silt with shale	NCM
	799	1	0-6	0-14	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	6-11	14-28	10YR6/6	Brown yellow crumbly silt with shale	NCM
	800	1	0-4	0-10	10YR4/3	Brown silty loam with shale and gravel	NCM
		2	4-11	10-27	10YR6/6	Brown yellow crumbly silt with shale	NCM
TR 88	801	1	0-8	0-20	10YR4/6	Dark yellow brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silty loam	NCM
	802	1	0-7	0-17	10YR4/6	Dark yellow brown silty loam	NCM
		2	7-12	17-30	10YR6/6	Brown yellow silty loam	NCM
	803	1	0-7	0-17	10YR4/6	Dark yellow brown silty loam	NCM
		2	7-11	17-27	10YR6/6	Brown yellow silty loam	NCM
	804	1	0-6	0-15	10YR4/6	Dark yellow brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silty loam	NCM
TR 89	805	1	0-8	0-20	10YR4/6	Dark yellow brown dry silt	NCM
		2	8-12	20-30	10YR6/6	Brown yellow dry silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	806	1	0-11	0-28	10YR4/6	Dark yellow brown dry silt	NCM
		2	11-15	28-38	10YR6/6	Brown yellow dry silt	NCM
	807	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-12	15-30	10YR6/6	Brown yellow dry silt	NCM
	808	1	0-5	0-13	10YR4/6	Dark yellow brown dry silt	NCM
		2	5-7	13-18	10YR6/6	Brown yellow dry silt , terminated at rock impasse	NCM
	809	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-12	15-30	10YR6/6	Brown yellow dry silt	NCM
TR 90	810	1	0-4	0-10	10YR4/3	Brown silty loam	NCM
		2	4-11	10-27	10YR6/6	Brown yellow silt	NCM
	811	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-11	12-29	10YR6/6	Brown yellow silt	NCM
	812	1	0-4	0-11	10YR4/3	Brown silty loam	NCM
		2	4-12	11-31	10YR6/6	Brown yellow silt	NCM
	813	1	0-5	0-13	10YR4/3	Brown silty loam	NCM
		2	5-12	13-30	10YR6/6	Brown yellow silt	NCM
	814	1	0-6	0-14	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-12	14-30	10YR6/6	Brown yellow silt	NCM
	815					Not Excavated: Slopes greater than 12% grade	
TR 91	816	1	0-4	0-10	10YR4/3	Brown silty loam	NCM
		2	4-8	10-20	10YR6/6	Brown yellow silt with gravel	NCM
	817	1	0-3	0-7	10YR4/3	Brown silty loam	NCM
		2	3-8	7-20	10YR6/6	Brown yellow silt with gravel	NCM
	818	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-12	17-30	10YR6/6	Brown yellow silt with gravel	NCM
	819	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-10	15-25	10YR6/6	Brown yellow silt with gravel	NCM
	820	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silt with gravel	NCM
	821	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-10	16-26	10YR6/6	Brown yellow silt with gravel	NCM
	822	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-10	12-25	10YR6/6	Brown yellow silt with gravel	NCM
	823	1	0-6	0-16	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-10	16-26	10YR6/6	Brown yellow silt with gravel	NCM
TR 92	824	1	0-7	0-18	10YR4/3	Brown sandy loam	NCM
		2	7-11	18-28	10YR6/6	Brown yellow silty sand	NCM
	825	1	0-4	0-9	10YR4/3	Brown sandy loam	NCM
		2	4-9	9-24	10YR6/6	Brown yellow silty sand	NCM
	826	1	0-5	0-13	10YR4/3	Brown sandy loam	NCM
		2	5-9	13-23	10YR6/6	Brown yellow silty sand	NCM
	827	1	0-4	0-11	10YR4/3	Brown sandy loam	NCM
		2	4-8	11-21	10YR6/6	Brown yellow silty sand	NCM
	828	1	0-5	0-13	10YR4/3	Brown sandy loam	NCM
		2	5-9	13-24	10YR6/6	Brown yellow silty sand	NCM
	829	1	0-5	0-12	10YR4/3	Brown sandy loam	NCM
		2	5-9	12-23	10YR6/6	Brown yellow silty sand	NCM
	830	1	0-4	0-10	10YR4/3	Brown sandy loam	NCM
		2	4-8	10-20	10YR6/6	Brown yellow silty sand	NCM
	831	1	0-3	0-7	10YR4/3	Brown sandy loam	NCM
		2	3-7	7-18	10YR6/6	Brown yellow silty sand	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 93	832	1	0-5	0-12	10YR4/6	Dark yellow brown dry silt	NCM
		2	5-8	12-20	10YR6/6	Brown yellow dry silt	NCM
	833	1	0-6	0-16	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-10	16-25	10YR6/6	Brown yellow dry silt	NCM
	834	1	0-8	0-20	10YR4/6	Dark yellow brown dry silt	NCM
		2	8-12	20-30	10YR6/6	Brown yellow dry silt	NCM
	835	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt , terminated at rock impasse	NCM
	836	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-11	15-28	10YR6/6	Brown yellow dry silt	NCM
	837	1	0-5	0-13	10YR4/6	Dark yellow brown dry silt	Next to large old tree
	838	1	0-4	0-11	10YR6/6	Brown yellow dry silt	Next to large old tree
	839					Not Excavated: Roadway	
TR 94	840	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-9	12-22	10YR6/6	Brown yellow silt with gravel	NCM
	841	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-12	18-30	10YR6/6	Brown yellow silt with gravel	NCM
	842	1	0-7	0-19	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	7-12	19-30	10YR6/6	Brown yellow silt with gravel	NCM
	843	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-12	12-30	10YR6/6	Brown yellow silt with gravel	NCM
	844	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt with gravel	NCM
	845	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
	846	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-13	16-32	10YR6/6	Brown yellow silt with gravel	NCM
	847	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
TR 95	848	1	0-13	0-32	10YR4/3	Brown silty loam	NCM
			13-15	32-35	10YR6/6	Brown yellow silt with gravel	NCM
	849	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-13	17-32	10YR6/6	Brown yellow silt with gravel	NCM
	850	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-14	22-36	10YR6/6	Brown yellow silt with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	851	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-14	18-36	10YR6/6	Brown yellow silt with gravel	NCM
	852					Not Excavated: hornets nest	
	853	1	0-6	0-14	10YR4/3	Brown silt loam gravel and rocks	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silt with coarse sand	NCM
	854	1	0-4	0-11	10YR4/3	Brown silt loam gravel and rocks	several fragments tar paper discarded
		2	4-12	11-30	10YR6/6	Brown yellow silt with coarse sand	NCM
	855	1	0-5	0-12	10YR4/3	Brown silt loam gravel and rocks	NCM
		2	5-12	12-30	10YR6/6	Brown yellow silt with coarse sand	NCM
TR 96	856	1	0-4	0-11	10YR4/3	Brown decayed wood and silty loam	NCM
		2	4-8	11-21	10YR6/6	Brown yellow compact dry sand	NCM
	857	1	0-9	0-23	10YR4/3	Brown silty sand	NCM
		2	9-13	23-33	10YR6/6	Brown yellow sandy silt	NCM
	858	1	0-5	0-13	10YR4/3	Brown silty sand	NCM
		2	5-12	13-30	10YR6/6	Brown yellow sandy silt	NCM
	859	1	0-7	0-19	10YR4/3	Brown silty sand	NCM
		2	7-14	19-36	10YR6/6	Brown yellow sandy silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	860	1	0-6	0-15	10YR4/3	Brown silty sand	NCM
		2	6-12	15-30	10YR6/6	Brown yellow sandy silt	NCM
	861	1	0-7	0-17	10YR4/3	Brown silty sand	NCM
		2	7-11	17-27	10YR6/6	Brown yellow sandy silt	NCM
	862	1	0-9	0-23	10YR4/3	Brown silty sand	NCM
		2	9-15	23-39	10YR6/6	Brown yellow sandy silt	NCM
TR 97	863	1	0-5	0-13	10YR4/6	Dark yellow brown dry silt , terminated at root impasse	NCM
	864	1	0-8	0-20	10YR4/6	Dark yellow brown dry silt	NCM
		2	8-13	20-33	10YR6/6	Brown yellow dry silt	NCM
	865	1	0-7	0-18	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-11	18-28	10YR6/6	Brown yellow dry silt	NCM
	866	1	0-6	0-15	10YR4/6	Dark yellow brown dry silt	NCM
		2	6-10	15-25	10YR6/6	Brown yellow dry silt	NCM
	867	1	0-4	0-11	10YR4/6	Dark yellow brown dry silt , terminated at root impasse	NCM
	868	1	0-7	0-19	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-11	19-28	10YR6/6	Brown yellow dry silt	NCM
	869	1	0-7	0-17	10YR4/6	Dark yellow brown dry silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	0-11	0-28	10YR6/6	Brown yellow dry silt	NCM
	870	1	0-7	0-19	10YR4/6	Dark yellow brown dry silt	NCM
		2	7-11	19-27	10YR6/6	Brown yellow dry silt	NCM
TR 98	871	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silty loam with gravel	NCM
	872	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silty loam with gravel	NCM
	873	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silty loam with gravel	NCM
	874	1	0-5	0-13	10YR4/3	Brown silty loam	NCM
		2	5-12	13-30	10YR6/6	Brown yellow silty loam with gravel	NCM
	875	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silty loam with gravel	NCM
	876	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silty loam with gravel	NCM
	877	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silty loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	878	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silty loam with gravel	NCM
TR 99	879	1	0-7	0-19	10YR4/3	Brown silty sand	NCM
		2	7-11	19-29	10YR6/6	Brown yellow sandy silt	NCM
	880	1	0-4	0-9	10YR4/3	Brown silty sand	NCM
		2	4-11	9-28	10YR6/6	Brown yellow sandy silt	NCM
	881	1	0-7	0-18	10YR4/3	Brown silty sand	NCM
		2	7-11	18-29	10YR6/6	Brown yellow sandy silt , terminated at rock impasse	NCM
Area H							
TR 100	882	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silt with gravel	NCM
	883	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-12	12-30	10YR6/6	Brown yellow silt with gravel	NCM
	884	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silt with gravel	NCM
	885	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silt with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	886	1	0-6	0-14	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
	887	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-12	18-30	10YR6/6	Brown yellow silt with gravel	NCM
	888	1	0-5	0-12	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
	889	1	0-4	0-10	10YR4/3	Brown silty loam , terminated at rock impasse	NCM
	890	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
TR 101	891	1	0-5	0-12	10YR4/6	Dark yellow brown silty loam	NCM
		2	5-10	12-25	10YR6/6	Brown yellow silty loam	NCM
	892					Not Excavated: Wetland area	
	893					Not Excavated: Wetland area	
	894	1	0-7	0-19	10YR4/6	Dark yellow brown silty loam	NCM
		2	7-10	19-25	10YR6/6	Brown yellow silty loam	NCM
	895	1	0-6	0-14	10YR4/6	Dark yellow brown silty loam	NCM
		2	6-8	14-20	10YR6/6	Brown yellow silty loam	NCM
	896	1	0-6	0-14	10YR4/6	Dark yellow brown silty loam	NCM
		2	6-8	14-20	10YR6/6	Brown yellow silty loam, terminated at rock obstruction	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	897	1	0-4	0-10	10YR4/6	Dark yellow brown silty loam	NCM
		2	4-8	10-20	10YR6/6	Brown yellow silty loam	NCM
	898	1	0-4	0-11	10YR4/6	Dark yellow brown silty loam	NCM
		2	4-8	11-20	10YR6/6	Brown yellow silty loam	NCM
	899					Not Excavated: Drainage ditch	
Area I							
TR 102	900	1	0-6	0-16	10YR3/4	Dark yellow brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	901	1	0-7	0-19	10YR3/4	Dark yellow brown silty loam	NCM
		2	7-11	19-29	10YR6/6	Brown yellow silt	NCM
	902	1	0-7	0-18	10YR3/4	Dark yellow brown silty loam	NCM
		2	7-12	18-30	10YR6/6	Brown yellow silt	NCM
	903	1	0-7	0-17	10YR3/4	Dark yellow brown silty loam , terminated at rock impasse	NCM
	904	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
	905	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-12	18-30	10YR6/6	Brown yellow silt with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	906	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
	907	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
	908	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-10	14-25	10YR6/6	Brown yellow silt with gravel	NCM
	909	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-12	18-30	10YR6/6	Brown yellow silt	NCM
	910	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-11	15-28	10YR6/6	Brown yellow silt	NCM
	911	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt	NCM
	912	1	0-9	0-23	10YR4/3	Brown silty loam	NCM
		2	9-11	23-28	10YR6/6	Brown yellow silt	NCM
	913	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	914	1	0-9	0-23	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	9-14	23-35	10YR6/6	Brown yellow silt	NCM
	915	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-12	18-30	10YR6/6	Brown yellow silt	NCM
	916	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-10	15-25	10YR6/6	Brown yellow silt	NCM
TR 103	917	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	918	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow very dry silt	NCM
	919	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-10	18-26	10YR6/6	Brown yellow very dry silt	NCM
	920	1	0-7	0-18	10YR4/3	Brown silty loam	NCM
		2	7-12	18-30	10YR6/6	Brown yellow very dry silt	NCM
	921	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-10	17-25	10YR6/6	Brown yellow silt	NCM
	922	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-12	17-30	10YR6/6	Brown yellow silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	923	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-10	14-25	10YR6/6	Brown yellow silt	NCM
	924	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silt	NCM
	925	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-10	12-26	10YR6/6	Brown yellow silt	NCM
	926	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-10	15-25	10YR6/6	Brown yellow silt	NCM
	927	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-9	17-24	10YR6/6	Brown yellow silt	NCM
	928	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-10	16-26	10YR6/6	Brown yellow silt	NCM
Area J							
TR 104	929	1	0-7	0-19	10YR3/3	Dark brown silty loam with decaying plant material	NCM
		2	7-12	19-30	10YR6/4	Light yellow brown compact sandy clay	NCM
	930	1	0-8	0-21	10YR3/3	Dark brown silty loam with decaying plant material	NCM
		2	8-12	21-31	10YR6/4	Light yellow brown compact sandy clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	931	1	0-10	0-26	10YR3/3	Dark brown silty loam with decaying plant material	NCM
		2	10-14	26-36	10YR6/4	Light yellow brown compact sandy clay	NCM
		3	14-19	36-47	10YR6/4	Light yellow brown compact sandy clay	NCM
	932	1	0-7	0-17	10YR3/3	Dark brown silty loam , terminated at metal impasse	metal-discarded
	933	1	0-7	0-19	10YR4/3	Brown silty sandy loam	NCM
		2	7-9	19-23	10YR6/6	Brown yellow fine sandy silt	NCM
	934	1	0-4	0-9	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	935	1	0-2	0-6	10YR3/3	Dark brown silty loam with decaying plant material	NCM
	936	1				Not Excavated: Slopes greater than 12% grade	
	937	1				Not Excavated: Slopes greater than 12% grade	
	938	1	0-8	0-21	10YR4/3	Brown silty sandy loam	NCM
		2	8-12	21-30	10YR6/6	Brown yellow fine sandy silt	NCM
TR 105	939	1	0-5	0-12	10YR4/3	Brown silty loam with gravel	NCM
		2	5-8	12-21	10YR6/6	Brown yellow silt with gravel and shale , terminated at rock impasse	NCM
	940	1	0-6	0-15	10YR4/3	Brown silty loam with channery and gravel	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silt with shale and gravel	NCM
	941	1	0-4	0-9	10YR4/3	Brown silty loam with channery and gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	4-12	9-30	10YR6/6	Brown yellow silt with shale and gravel	NCM
	942	1	0-8	0-20	10YR2/1	Black silty loam	NCM
		2	8-13	20-33	10YR6/6	Brown yellow silt	NCM
	943	1	0-6	0-16	10YR4/3	Brown silty loam with shale gravel and pebbles	NCM
		2	6-20	16-30	10YR6/6	Brown yellow silty with shale gravel and pebbles	NCM
	944	1	0-9	0-22	10YR4/3	Brown silty loam	NCM
		2	9-13	22-33	10YR6/6	Brown yellow silt with coarse sand and gravel	NCM
	945	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-14	16-34	10YR6/6	Brown yellow silt	NCM
	946	1	0-4	0-10	10YR4/3	Brown silty loam	NCM
		2	4-9	10-23	10YR6/6	Brown yellow silt , terminated at rock impasse	NCM
	947	1				Not Excavated: Dry stream bed	
	948	1				Not Excavated: Slopes greater than 12% grade	
Area L							
TR 106	949	1	0-7	0-18	10YR4/6	Dark yellow brown silty loam with gravel	NCM
		2	7-12	18-30	10YR6/6	Brown yellow silt with gravel	NCM
	950	1	0-6	0-15	10YR4/3	Brown silty loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-10	15-26	10YR6/6	Brown yellow compact sandy silt with gravel	NCM
	951	1	0-7	0-18	10YR4/3	Brown silty loam with gravel	NCM
		2	7-12	18-31	10YR5/3	Brown silt with gravel	NCM
	952	1	0-8	0-20	10YR4/3	Brown silty loam with gravel	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
Area M							
TR 107	953	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silt with gravel	NCM
	954	1	0-5	0-13	10YR4/3	Brown silty loam	NCM
		2	5-9	13-24	10YR6/6	Brown yellow silt with gravel , terminated at root impasse	NCM
	955	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt with gravel	NCM
	956	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-11	14-28	10YR6/6	Brown yellow silt with gravel , terminated at rock impasse	NCM
	957	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-10	14-26	10YR6/6	Brown yellow silt with gravel	NCM
	958	1	0-6	0-16	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-12	16-30	10YR6/6	Brown yellow silty with gravel	NCM
	959	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silty with gravel	NCM
TR 108	960	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silty with gravel	NCM
	961	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silty with gravel	NCM
	962	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-10	14-26	10YR6/6	Brown yellow silty with gravel , terminated at rock impasse	NCM
	963	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silty with gravel	NCM
	964	1	0-5	0-13	10YR4/3	Brown silty loam	NCM
		2	5-10	13-25	10YR6/6	Brown yellow silty with gravel , terminated at rock impasse	NCM
	965	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-11	14-27	10YR6/6	Brown yellow silty with gravel	NCM
	966	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-13	16-32	10YR6/6	Brown yellow silty with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
Area P							
TR 109	967					Not Excavated: Roadway	
	968					Not Excavated: Roadway	
	969	1	0-8	0-20	10YR5/4	Yellow brown dry silt	NCM
		2	8-12	20-30	10YR6/6	Brown yellow dry silt	NCM
	970	1	0-9	0-24	10YR5/4	Yellow brown dry silt	NCM
		2	9-13	24-32	10YR6/6	Brown yellow dry silt	NCM
	971	1	0-9	0-24	10YR5/4	Yellow brown dry silt	NCM
		2	9-13	24-33	10YR6/6	Brown yellow dry silt	NCM
	972	1	0-10	0-26	10YR5/4	Yellow brown dry silt	NCM
		2	10-13	26-33	10YR6/6	Brown yellow dry silt	NCM
	973	1	0-7	0-19	10YR5/4	Yellow brown dry silt , terminated at root impasse	NCM
	974	1	0-7	0-19	10YR3/4	Dark yellow brown silty loam	NCM
		2	7-12	19-30	10YR6/6	Brown yellow silty loam	NCM
	976	1	0-12	0-30	10YR3/4	Dark yellow brown silty loam , terminated at rock impasse	NCM
TR 110	977	1	0-6	0-14	10YR3/2	Very dark gray brown silty loam	NCM
		2	6-13	14-33	10YR5/4	Yellow brown sandy silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	978	1	0-8	0-20	10YR4/3	Brown silty loam with roots	NCM
		2	8-12	20-30	10YR6/6	Brown yellow sandy silt	NCM
	979	1	0-9	0-9	10YR3/2	Very dark gray brown silty loam	NCM
		2	4-9	9-23	10YR4/3	Brown silty loam	NCM
		3	9-13	23-33	10YR6/6	Brown yellow sandy silt	NCM
	980	1	0-5	0-12	10YR4/3	Brown silty loam with gravel	NCM
		2	5-10	12-26	10YR6/6	Brown yellow sandy silt	NCM
	981	1	0-16	0-40	10YR4/3	Brown silty loam with gravel	NCM
		2	16-20	40-50	10YR6/6	Brown yellow sandy silt	NCM
	982	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam	NCM
		2	9-13	23-34	10YR6/6	Brown yellow sandy silt	NCM
	983	1	0-10	0-26	10YR4/3	Brown silty loam with gravel	NCM
		2	10-14	26-36	10YR6/6	Brown yellow sandy silt	NCM
	984	1				Not Excavated: Slopes greater than 12% grade	
Area S							
TR 111	985	1	0-6	0-16	10YR3/4	Dark yellow brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	986	1	0-5	0-12	10YR3/4	Dark yellow brown silty loam	NCM
		2	5-12	12-30	10YR6/6	Brown yellow silt	NCM
	987	1	0-6	0-14	10YR3/4	Dark yellow brown silty loam	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silt	NCM
	988	1	0-6	0-14	10YR3/4	Dark yellow brown silty loam	NCM
		2	6-11	14-28	10YR6/6	Brown yellow silt	NCM
	989	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	990	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-11	14-28	10YR6/6	Brown yellow silt	NCM
TR 112	991	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-10	12-26	10YR6/6	Brown yellow silt with gravel	NCM
	992	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		2	6-12	15-30	10YR6/6	Brown yellow silt with gravel	NCM
	993	1	0-8	0-20	10YR4/3	Brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
	994	1	0-4	0-10	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	4-10	10-25	10YR6/6	Brown yellow silt with gravel	NCM
Area T							
TR 113	995	1	0-10	0-25	10YR5/4	Yellow brown silty loam , terminated at rock impasse	NCM
	996	1	0-7	0-17	10YR3/4	Dark yellow brown silty loam	NCM
		2	7-10	17-25	10YR6/6	Brown yellow silty loam	NCM
	997	1	0-7	0-17	10YR4/3	Brown silty loam	NCM
		2	7-11	17-28	10YR6/6	Brown yellow silty loam	NCM
	998	1	0-9	0-23	10YR5/6	Yellow brown dry silt	NCM
		2	9-12	23-30	10YR6/6	Brown yellow dry silt	NCM
	999	1				Not Excavated: Roadway	
	1000	1	0-6	0-15	10YR5/6	Yellow brown dry silt	NCM
		2	6-10	15-25	10YR6/6	Brown yellow dry silt	NCM
	1001	1	0-11	0-27	10YR5/6	Yellow brown dry silt	NCM
		2	11-14	27-35	10YR6/6	Brown yellow dry silt	NCM
TR 114	1002	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-10	16-25	10YR6/6	Brown yellow silt with gravel , terminated at rock impasse	NCM
	1003	1	0-5	0-12	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	5-11	12-28	10YR6/6	Brown yellow silt with gravel	NCM
	1004	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt with gravel	NCM
	1005	1				Not Excavated: Roadway	
	1006	1	0-7	0-18	10YR3/4	Dark yellow brown silty loam	NCM
		2	7-12	18-30	10YR6/6	Brown yellow silt with gravel	NCM
	1007	1	0-8	0-20	10YR3/4	Dark yellow brown silty loam	NCM
		2	8-12	20-30	10YR6/6	Brown yellow silt with gravel	NCM
	1008	1	0-6	0-16	10YR3/4	Dark yellow brown silty loam	NCM
		2	6-11	16-28	10YR6/6	Brown yellow silt with gravel	NCM
TR 115	1009	1	0-7	0-18	10YR4/3	Brown silty loam with gravel	NCM
		2	7-12	18-30	10YR6/6	Brown yellow sandy silt	NCM
	1010	1	0-9	0-24	10YR4/3	Brown silty loam with gravel	NCM
		2	9-13	24-34	10YR6/6	Brown yellow sandy silt	NCM
	1011	1	0-8	0-20	10YR4/3	Brown silty loam with gravel	NCM
		2	8-13	20-33	10YR6/6	Brown yellow sandy silt	NCM
	1012	1				Not Excavated: Roadway	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	1013	1	0-8	0-21	10YR4/3	Brown silty loam with gravel	NCM
		2	8-13	21-33	10YR6/6	Brown yellow sandy silt	NCM
	1014	1	0-15	0-39	10YR4/3	Brown silty loam with gravel	NCM
		2	15-19	39-49	10YR6/6	Brown yellow sandy silt	NCM
	1015	1				Not Excavated: Slopes greater than 12% grade	
TR 116	1016	1	0-7	0-17	10YR4/3	Brown silty loam with shale gravel and pebbles	NCM
		2	7-12	17-30	10YR6/4	Light yellow brown silty clay with pebbles	NCM
	1017	1	0-9	0-23	10YR4/3	Brown silty loam , terminated at root impasse	NCM
	1018	1	0-6	0-15	10YR4/3	Brown silty loam	NCM
		3	6-12	15-30	10YR6/4	Light yellow brown silt with coarse sand and rock	NCM
	1019	1	0-7	0-19	10YR4/3	Brown silty loam	NCM
		2	7-14	19-35	10YR6/4	Light yellow brown silt	NCM
	1020	1	0-1	0-27	10YR4/3	Brown silty loam	NCM
		2	11-12	27-30	10YR6/4	Light yellow brown silt with coarse sand and rock	NCM
TR 117	1021					Not Excavated: Roadway	
	1022	1	0-10	0-25	10YR5/6	Yellow brown silty loam	NCM
		2	10-13	25-33	10YR6/6	Brown yellow silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	1023					Not Excavated: Drainage ditch	
	1024	1	0-6	0-14	10YR4/6	Dark yellow brown wet clay	NCM
		2	6-10	14-25	10YR6/6	Brown yellow wet clay	NCM
	1025	1	0-11	0-28	10YR4/6	Dark yellow brown silty loam	NCM
		2	11-15	28-37	10YR6/6	Brown yellow silty loam	NCM
TR 118	1026	1	0-6	0-14	10YR3/2	Very dark gray brown silty loam	NCM
		2	6-8	14-20	10YR6/3	Pale brown sandy silt , terminated at rock impasse	NCM
	1027	1	0-4	0-10	10YR3/2	Very dark gray brown silty loam	NCM
		2	4-11	10-28	10YR6/3	Pale brown sandy silt	NCM
	1028	1				Not Excavated: Slopes greater than 12% grade	
	1029	1	0-13	0-33	10YR5/4	Yellow brown silt with gravel	NCM
		2	13-17	33-43	10YR6/6	Brown yellow sandy silt	NCM
Area V							
TR 119	1030	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-11	14-28	10YR6/6	Brown yellow silt	NCM
	1031	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	1032	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-6	12-16	10YR6/6	Brown yellow silt , terminated at rock impasse	NCM
	1033	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	1034	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silt	NCM
	1035	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-10	16-26	10YR6/6	Brown yellow silt	NCM
	1036	1	0-5	0-12	10YR4/3	Brown silty loam	NCM
		2	5-9	12-24	10YR6/6	Brown yellow silt	NCM
	1037	1	0-6	0-16	10YR4/3	Brown silty loam	NCM
		2	6-12	16-30	10YR6/6	Brown yellow silt	NCM
	1038	1	0-6	0-14	10YR4/3	Brown silty loam	NCM
		2	6-12	14-30	10YR6/6	Brown yellow silt	NCM
Area W							
TR 120	1039	1	0-8	0-20	10YR5/6	Yellow brown dry silt	NCM
		2	8-11	20-28	10YR6/6	Brown yellow dry silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	1040	1	0-7	0-18	10YR5/6	Yellow brown dry silt	NCM
		2	7-11	18-27	10YR6/6	Brown yellow dry silt	NCM
	1041	1	0-9	0-24	10YR5/6	Yellow brown dry silt	NCM
		2	9-12	24-30	10YR6/6	Brown yellow dry silt	NCM
	1042	1	0-9	0-22	10YR5/6	Yellow brown dry silt	NCM
		2	9-11	22-27	10YR6/6	Brown yellow dry silt , terminated at rock impasse	NCM
	1043	1	0-9	0-22	10YR5/6	Yellow brown dry silt	NCM
		2	9-12	22-30	10YR6/6	Brown yellow dry silt	NCM
TR 121	1044	1	0-9	0-22	10YR4/3	Brown silty loam with gravel	NCM
		2	9-13	22-32	10YR6/6	Brown yellow sandy silt	NCM
	1045	1	0-11	0-27	10YR4/3	Brown silty loam with gravel	NCM
		2	11-15	27-37	10YR6/6	Brown yellow sandy silt	NCM
	1046	1	0-13	0-33	10YR4/3	Brown silty loam with gravel	NCM
		2	13-17	33-44	10YR6/6	Brown yellow sandy silt	NCM
	1047	1	0-7	0-19	10YR4/3	Brown silty loam with gravel	NCM
		2	7-12	19-31	10YR6/6	Brown yellow sandy silt	NCM
	1048	1	0-7	0-19	10YR4/3	Brown silty loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	7-12	19-30	10YR6/6	Brown yellow sandy silt	NCM
	1049	1	0-9	0-22	10YR4/3	Brown silty loam with gravel	NCM
		2	9-13	22-32	10YR6/6	Brown yellow sandy silt	NCM
Historic N.W. Howell							
HH	1	1	0-6	0-15	10YR4/3	Brown silty loam	glass nails terra cotta piece
		2	6-12	15-30	10YR6/2	Light yellow brown dry sandy silt	NCM
	2	1	0-7	0-17	10YR4/3	Brown silty loam	glass nail coal- discarded
		2	7-13	17-32	10YR6/2	Light yellow brown dry sandy silt	NCM
	3	1	0-8	0-21	10YR3/3	Dark brown decaying plant material and silty loam	whiteware, blue plastic, coal - discarded
		2	8-12	21-31	10YR6/2	Light yellow brown dry sandy silt	NCM
	4	1	0-12	0-30	10YR3/3	Dark brown silty loam with roots , terminated at rock impasse	modern bottle glass
	5	1	0-8	0-21	10YR4/3	Brown silty loam , terminated at rock impasse	metal clear glass white ware brick coal-discarded
						in spin pile round broken bottle fragments one marked 1912 white ware fragments ceramic pieces damaged marble and a metal ring	

Appendix E: Project Correspondence & Other Project Documentation



Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

July 29, 2015

Mr. Simon Gelb
CPC
P. O. Box 2020
Monroe, NY 10949

Re: DEC
CLOVEWOOD
Village of South Blooming Grove, Section 208, Block 1, Lot 2 and 3.
555 Clove Road, Monroe, NY 10950
15PR03943

Dear Mr. Gelb:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6NYCRR Part 617).

OPRHP has reviewed the latest submission for this project – *Clovewood Archaeological Report, Phase 1A Literature Review and Sensitivity Analysis Blagg's Clove, Village of South Blooming Grove, Orange County, New York* (CITY/SCAPE, July 2015). Based on the information provided, we recommend that portions of the project's Area of Potential Effects (APE) are archaeologically sensitive and should be subjected to a Phase IB archaeological survey.

Comments regarding buildings and structures are provided separately.

If you have any questions please don't hesitate to contact me.

Sincerely,

Philip A. Perazio, Historic Preservation Program Analyst - Archaeology Unit

Phone: 518-268-2175

e-mail: philip.perazio@parks.ny.gov

via email only

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • www.nysparks.com



HUDSON VALLEY

Cultural Resource Consultants, Ltd.

3 Lyons Drive Poughkeepsie, NY 12601

914-456-3698 • 845-702-0869

October 19, 2015

Philip A. Perazio
NYS OPRHP
Peebles Island
1 Delaware Avenue
Cohoes, NY 12047

RE: Clovewood 15PR03943
Phase 1B Archaeological Field Reconnaissance Survey
Section 208, Block 1, Lot 2 & 3
Village of South Blooming Gove, Orange County New York

Dear Mr. Perazio,

Hudson Valley Cultural Resource Consultants has been contacted by Simon Gelb of CPC to provide a proposal for the Phase 1B Archaeological Field Reconnaissance Survey for the Clovewood project in the Village of South Blooming Grove. As a contributor to the Phase 1A Literature Review and Sensitivity Analysis, completed for the project by CITY/SCAPE in 2015, we are familiar with the project. Mr. Gelb has provided us with correspondence received from you dated July 29, 2015. In the letter dated July 29, you have stated that “portions of the Project Area’s Area of Potential Effect (APE) are archaeologically sensitive and should be subjected to a Phase 1B archaeological survey.” Mr. Gelb has asked that we confirm with you, the specific areas within the APE that require testing at the level of a Phase 1B Archaeological field reconnaissance survey.

In accordance with the New York State Archaeological Council (NYAC) guidelines adopted by your office, and the Office of Parks Recreation and Historic Preservations (OPRHP) recommendations established in 2005, we understand that the archaeologically sensitive portions of the Clovewood APE recommended for Phase 1B Archaeological testing include:

- a. Areas within the APE containing well drained soils
- b. Areas within the APE that contain slopes with less than 12% grade
- c. Areas within the APE that do not contain standing water
- d. Areas within the APE that have not been previously disturbed

Based on these criteria, the areas within the APE that would be excluded from the Phase 1B Archaeological Field Reconnaissance testing are:

- e. Areas within the APE that contain wet or saturated soils
- f. Areas within the APE that contain slopes in excess of 12% grade
- g. Areas within the APE that contain standing water
- h. Areas within the APE that can be documented as having been previously disturbed

We greatly appreciate you taking the time to confirm that the criteria described above is applicable for the Phase 1B Archaeological testing of the portions of the Clovewood APE recommended in your letter.

Sincerely,

A handwritten signature in blue ink that reads "Beth Selig". The signature is written in a cursive, flowing style.

Beth Selig
Hudson Valley Cultural Resource Consultants



Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

October 29, 2015

Mr. Simon Gelb
CPC
P. O. Box 2020
Monroe, NY 10949

Re: DEC
CLOVEWOOD
Village of South Blooming Grove, Section 208, Block 1, Lot 2 and 3.
555 Clove Road, Monroe, NY 10950
15PR03943

Dear Mr. Gelb:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6NYCRR Part 617).

OPRHP has received a letter from Beth Selig of Hudson Valley Cultural Resource Consultants, dated 19 October 2015, requesting confirmation of the parameters of a Phase IB archaeological investigation of the above-referenced project area. We concur with the parameters outlined in the letter except for "e." Areas of permanent standing water are automatically excluded from testing, except for water bodies where cultural resources such as sunken ships may be present. Areas of temporary or seasonal wetness must be evaluated regarding their potential to have been suitable for occupation in the past. If, based on evidence, it can be demonstrated that prior historic or precontact occupations are unlikely, then such areas may be excluded from testing.

If you have any questions please don't hesitate to contact me.

Sincerely,

Philip A. Perazio, Historic Preservation Program Analyst - Archaeology Unit

Phone: 518-268-2175

e-mail: philip.perazio@parks.ny.gov

via email only

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • www.nysparks.com



Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

November 14, 2016

Mr. Simon Gelb
CPC
P. O. Box 2020
Monroe, NY 10949

Re: DEC
Clovewood - 600 Residential Lot Subdivision at NY 208 and Clove Rd (CR 27)
555 Clove Road, Monroe, NY 10950
15PR03943

Dear Mr. Gelb:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

OPRHP has reviewed the revised Phase IB archaeological report submitted for this project – *Phase 1B Archaeological Field Reconnaissance Survey, Clovewood Site, Village of South Blooming Grove, Orange County, New York* (HVCRC, November 2016). Two previously unrecorded archaeological sites have been identified on the property, but outside the current Area of Potential Effects (APE) – the M. H. Howell Farm Complex (07167.000009) and the Round Hill Cemetery/ Howell Family Cemetery (07167.000010).

OPRHP has no concerns regarding standing buildings and structures.

Therefore, based on the information provided, OPRHP recommends that the planned project will have **No Impact** on cultural resources listed or eligible for listing on the State or National Register of Historic Places. This recommendation pertains only to the APE examined during the above-referenced investigation. It is not applicable to any other portion of the project property. Should the project design be changed OPRHP recommends further consultation with this office.

If you have any questions please don't hesitate to contact me.

Sincerely,

Philip A. Perazio, Historic Preservation Program Analyst - Archaeology Unit
Phone: 518-268-2175
e-mail: philip.perazio@parks.ny.gov

via email only

cc: Charles Vandreli and John Petronella, DEC; Beth Selig, HVCRC

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • www.nysparks.com



Property Description Report For: Clove Rd, Municipality of V. South Blooming Grove

No Photo Available

Status: Active
Roll Section: Wholly Exem
Swis: 332003
Tax Map ID #: 208-1-1
Property Class: 695 - Cemetery
Site: NOSITE 0
In Ag. District: No
Site Property Class: N/A
Zoning Code: N/A
Neighborhood Code: N/A
School District: Washingtonville
Total Assessment: 2016 - \$700
Legal Property Desc: Recorded 11-29-09
FNA (41-1-13)
Deed Page: 415
Grid North: 929495

Total Acreage/ Size: 314 x 314
Land Assessment: 2016 - \$700
Full Market Value: 2016 - \$3,800
Equalization Rate: ----
Deed Book: 511
Grid East: 583284

Owners

Round Hill Cemetery

Sales

No Sales Information Available

Improvements

Structure	Size	Grade	Condition	Year	Replacement Cost	Quantity
-----------	------	-------	-----------	------	------------------	----------

Land Types

Type	Size
------	------

Special Districts for 2016

Description	Units	Percent	Type	Value
FD039-S blooming grve fire	0	0%		0

Exemptions

Year	Description	Amount	Exempt %	Start Yr	End Yr	V Flag	H Code	Own %
2016	PRIV CEM	\$700	0	1995				0

Taxes



Draft Environmental Impact Statement

B-3 Supplemental Phase 1B Report



P.O. Box 2020, Monroe New York 10949
Tel: (845) 774 · 8000 | cpcnynj@gmail.com

**SUPPLEMENTAL PHASE 1B ARCHAEOLOGICAL FIELD
RECONNAISSANCE SURVEY**

CLOVEWOOD SITE

VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PREPARED FOR:

SIMON GELB
CPC
PO Box 2020
MONROE NY 10949



HUDSON VALLEY
CULTURAL RESOURCE CONSULTANTS, LTD.
3 LYONS DRIVE POUGHKEEPSIE, NY 12601

DECEMBER 2018

Management Summary

SHPO Project Review Number (if available): **16PR00842**

Involved State and Federal Agencies: NYS DEC, SEQR

Phase of Survey: **Supplemental Phase 1B Archaeological Field Reconnaissance Survey**

Location Information:

Location: **NYS Route 208 & County Route 27 (Clove Road)**

Minor Civil Division: **Village of South Blooming Grove**

County: **Orange**

Survey Area (Metric & English)

Length: **5528'/1685.3 m**

Width: **6330'/1929.8 m**

Depth (when appropriate):

Number of Acres Surveyed: **±63.03 (25.5 hectares)**

Number of Square Meters & Feet Excavated (Phase II, Phase III only): **N/A**

Percentage of the Site Excavated (Phase II, Phase III only):

USGS 7.5 Minute Quadrangle Map: **Maybrook & Monroe 2016**

Archaeological Survey Overview

Number & Interval of Shovel Tests: **566 STPS @ 50' & 100' intervals, 67 @ 10' intervals**

Number & Size of Units: **N/A**

Width of Plowed Strips: **N/A**

Surface Survey Transect Interval: **N/A**

Results of Archaeological Survey

Number & name of prehistoric sites identified: **2: Schunemunk Prehistoric Site, Clove Road Site**

Number & name of historic sites identified: **4: N.W. Howell House, & M.H. Howell Farm Complex, H. Howell House, and Round Hill/Howell Family Cemetery**

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

Results of Architectural Survey

Number of buildings/structures/cemeteries within project area: **residences associated with former Lake Anne Country Club, H. Howell House, & N.W. Howell house, M.H. Howell Farm Complex**

Number of buildings/structures/cemeteries adjacent to project area: **1: Round Hill Cemetery**

Number of previously determined NR listed or eligible buildings/structures/cemeteries/districts: **0**

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

Report Author (s): **Beth Selig, MA, RPA. Stephanie Roberg-Lopez MA, RPA**

Date of Report: **December 2018**

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- Table 1: Testing Areas and Results for the Supplemental Clovewood Phase 1B Survey

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- Photo 1: Area 1 is located within an overgrown area, south of the former Lake Ann complex. View to the southeast.
- Photo 2: Steep slopes border Area 1 to the northwest. View to the southeast.
- Photo 3: Area 4 is located on a level terrace that is lightly wooded. View to the north.
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- Photo 9: The southern extent of the Lake Ann Golf Course is located in Area 8. View to the north.
- Photo 10: Area 9 included an existing road, which leads to Well #20. View to the northwest.
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- Photo 12: The ruins of the M. H. Howell farmstead area extant, and include the chimney features. View to the southeast of Foundation 1 (F1).
- Photo 13: Two barn foundations are located in the southwestern extent of the historic complex. View to the north of Foundation 5 (F5) and Foundation 4 (F4).
- Photo 14: Foundation 3 (F3) is overgrown with brambles and consists of three sides, creating a U-Shape. View to the southwest.
- Photo 15: View to the east of the Schunemunk Precontact Site. Transects 57-60 began adjacent to the gravel road.
- Photo 16: Large rock overhangs are located within the ridge line 1000' south of the Schunemunk Precontact Site. View to the northeast.
- Photo 17: The ground surface within the Schunemunk Precontact site has been impacted by the construction of the existing roadway. View to the east.

SUPPLEMENTAL PHASE 1B ARCHAEOLOGICAL FIELD RECONNAISSANCE SURVEY

A. INTRODUCTION

From October 23 to November 4, 2018, Hudson Valley Cultural Resource Consultants (HVCRC) completed a Supplemental Phase 1B Field Reconnaissance Survey of the Clovewood Site in the Village of South Blooming Grove, Orange County New York. The property is located on the east side of New York State Route 208 and, Clove Road (CR 27), within the Village of South Blooming Grove, Orange County, New York. HVCRC completed a Phase 1B Archaeological Field Reconnaissance Survey for the project in November of 2016, which tested the then proposed Area of Potential Effect (APE) for the Clovewood Property. The survey identified a precontact site (Schunemunk Precontact Site) and four historic sites; the Howell Family/ Round Hill Cemetery, the N. W. Howell House, the H. Howell house and a historic complex (M. H. Howell Farm Complex) within the boundaries of the property. The Phase 1B Archaeological Field Reconnaissance Survey was reviewed by the Office of Parks, Recreation and Historic Preservation (OPRHP) and a No Effect Letter was issued on November 11, 2016.

In 2018, the boundaries of the Project APE were revised, necessitating an additional survey of the previously uninvestigated areas of the 2018 Project APE. The project sponsor provided the following information describing the changes to the Clovewood Site Project APE.

The design of the Clovewood Project was revised in accordance with many comments received from the Village of South Blooming Grove Village Board and Planning Board, as well as the NYS Department of Environmental Conservation ("DEC") and other governmental agencies. For example, the agencies requested the Project include roadway interconnectivity with adjacent roads in existing developments in order to divert traffic away from NYS Route 208 and Clove Road etc. Accordingly, the Project revised its layout and adjusted the lot locations accordingly. Although the layout was revised somewhat, the majority of the original proposed design has stayed the same and there is not a greater number of lots/residential homes than originally proposed. The Project's design has solely relocated lots/homes from one location to another in order to comply with all comments received from the agencies.

In August of 2018 the Village of South Blooming Grove Planning Board reviewed the 2018 Project APE and the previously completed survey and determined that portions of the site had not been previously tested. The Village requested an additional survey to evaluate the impacts to the M. H. Howell Farm Complex that is included within the APE as parkland. The OPRHP concurred with the need of an additional Phase 1B Survey to evaluate the untested areas of the revised APE in a CRIS communication dated 11/29/2018.

B. CLOVEWOOD SITE PROJECT AREA DESCRIPTION

The Clovewood Project Area of Potential Effect (APE) consists of ± 265 acres (107.2 hectares) within a larger ± 708.2 acres (286.6 hectares) parcel. The revised 2018 Project APE includes ± 63.03 (25.5 hectares) acres that were not included in the Phase 1B Archaeological Field Reconnaissance Survey.

The Property contains the former Lake Anne Golf Course that was abandoned in the 1990s. This former golf course is overgrown with tall grasses and weeds. The acreage outside the former golf course consists of wooded areas that contain dense underbrush of catbrier and other opportunistic plant species. The landscape is characterized by steep slopes that are crossed by intermittent small streams. These streams drain into a large

wetland along Clove Road that is located to the west of the APE boundary. The property contains a network of gravel roads constructed with shot rock that traverse the parcel and provide vehicular access to recently installed wells.

The Clovewood Project site includes a significant percentage of steep slopes that ascend to the southeast and are part of the Schunemunk Mountain Range. The property also contains numerous designated wetlands and seasonally wet areas. In addition, surficial bedrock, stones, and channery are present on the ground surface. In the southern portion of the site, gravel and rock was mined out, and used to construct the golf course, and cover and construct the existing roads within the parcel (Charles Bailey personal communication 11/7/18). This mined area is overgrown, and has not been utilized in nearly 30 years. A complete overview of the environmental data and description of site conditions is presented in the 2016 Phase 1B report.

The Phase 1B report, completed in 2016 identified four historic sites and one precontact period site. The Howell Family/Round Hill Cemetery is located on a separate parcel, and will not be impacted by the proposed undertaking. The M. H. Howell Farm is located in the western portion of the parcel, and in 2016 was outside the boundaries of the proposed APE. The N.W. Howell House, located in the southern portion of the APE, was most recently used by the Golf Course for storage. This structure burned to the ground in the summer of 2017 (Charles Bailey personal communication 11/7/18). The N. H. Howell Farm is located in the northern portion of the Project APE and will be removed as part of the proposed undertaking. The only precontact site identified as part of the 2016 survey is the Schunemunk Precontact site, which is located on a small terrace overlooking a small wetland in the eastern portion of the site. The archaeological site was identified during the initial field reconnaissance, when the field crew identified artifacts in a back dirt pile. The soils in this location have been impacted by the construction of a concrete test well.

The revised 2018 Project APE includes the construction of houses adjacent to the previously identified M. H. Howell Farm complex, and the property that includes this historic site is proposed to be parkland. The Village of South Blooming Grove Planning Board requested additional investigation of this site to determine if the proposed park or nearby proposed residences will impact the historic site. The potential adverse effects to this historic resource would be the continuing pattern of human intrusion or access to this historic site.

The revised 2018 Project APE includes proposed waterlines and maintenance roads in the vicinity of the well located adjacent to the Schunemunk Precontact site (Well #21). The installation of waterlines in this location will create a subsurface impact to the site. In 2016, the Schunemunk Precontact site was located outside of the APE. Because the site is included in the 2018 Project APE, subsurface testing was completed to determine if additional cultural material was located in-situ within the boundaries of the 2018 Project APE and to identify the locations and densities of the in-situ artifacts.

The proposed project will permanently disturb approximately 140 acres, which includes the area of the former golf course and associated structures (approximately 80 acres) and would temporarily disturb approximately 125 acres, which would be revegetated and preserved as open space. The total area of disturbance for the Clovewood Project site is 265 acres.

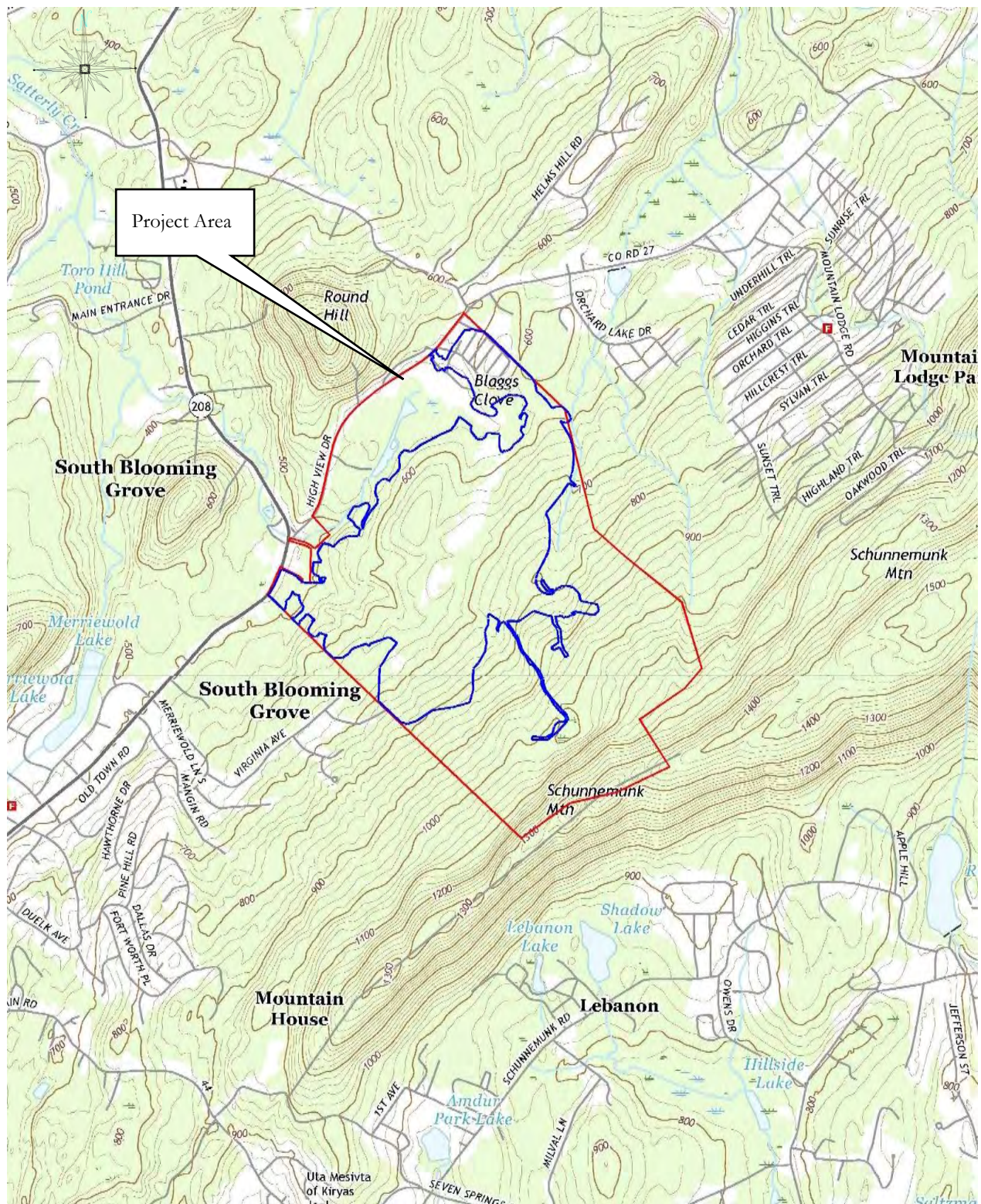


Figure 1: Detail of the 2014 USGS Topographical Map. Maybrook & Monroe Quadrangles. 7.5 Minute Series. (Source: USGS.gov.) Scale: 1"=2215.' Red line delineates the overall property. The blue line delineates the 2018 Project APE.



Figure 2: 2016 Aerial image of the project area. (Source: Google Earth.) Scale: 1"=1537.'

C. ARCHAEOLOGICAL SURVEY METHODOLOGY

The Supplemental Phase 1B Archaeological Field Reconnaissance Survey included a walkover reconnaissance and assessment of the previously untested areas within the 2018 Project APE. Areas selected for subsurface testing were identified during the assessment and areas of disturbance, slope and wetland were eliminated from testing. Archaeological fieldwork was supervised by Beth Selig, MA, RPA and Stephanie Roberg-Lopez, MA, RPA. Franco Zani acted as Site Supervisor, assisted by field technicians Dylan Lewis, MA RPA and Jamie Meinsen. The final report was written by Stephanie Roberg-Lopez and edited by Beth Selig, MA, RPA. Site photography was completed by Franco Zani. Shovel test records and artifacts were processed by Deborah Ackerman. Artifact analysis was completed by Beth Selig and Stephanie Roberg-Lopez. The Field Reconnaissance Map was drafted by Beth Selig.

Research completed for the 2016 survey confirmed that the property is located in an area of precontact activity. Native American Sites have been identified within a one-half mile radius. In addition, the landscape closely conforms to an ecological model that indicates that the level, undisturbed portions of the project area are moderate to highly sensitive for precontact period cultural materials. The testing strategy for the site was structured around the knowledge that portions of the property possess the potential to yield both historic and precontact cultural remains.

The field methodology employed for the supplementary Clovewood Phase 1B consisted of several stages of investigation. These included:

- A walkover and visual inspection of the site to identify and assess the newly added APE loci.
- Systematic visual inspection of slopes and rock faces to rule out the presence of rock shelters and veins or deposits of cryptocrystalline rock suitable for raw material for making stone tools.
- Shovel testing in the areas identified as having potential sensitivity for precontact or historic remains.
- Photographic documentation of the overall site.

Shovel tests (STs) measured approximately 18”(45 cm) in diameter and were excavated along transects spaced at 50’ (15 m) intervals within the previously untested areas of the Project APE. Shovel tests were spaced at 25 foot (7.5 m) intervals and 50’ intervals (15 m) in the location of the Schunemunk Precontact Site, and at varying intervals in the location of the M. H. Howell Farm complex. Shovel tests were normally excavated to a minimum of four inches (10 cm) into sterile subsoil, unless impeded by rocks or other obstructions. All excavated soils were passed through one-quarter-inch hardware cloth. Shovel test profiles were recorded on standard field forms that included stratigraphic levels, Munsell soil color, texture and inclusions, evidence of disturbance and any artifacts recovered (Appendix C). The locations of all STs were recorded on a base map of the Project APE (Appendix A). The field investigations and the conditions within the Project APE were photographed. Items recovered from the screens were assigned to the stratum from which they were obtained). All cultural materials recovered were bagged, labeled, and returned to the laboratory for processing. These materials are listed in Appendix E.

D. ARCHAEOLOGICAL SURVEY RESULTS

Once a testing strategy had been established and areas unsuitable for testing eliminated from the survey, the previously uninvestigated areas of the Project APE were systematically shovel tested. The areas subjected to shovel testing represent the undisturbed, level and well drained areas within the Project APE. In the vicinity of the M. H. Howell Farm Complex, the perimeter of the extant foundations, and the areas adjacent to the foundations were comprehensively tested. Testing was completed at close intervals (25', 15' & 5') in the vicinity of the Schunemunk Precontact Site. With the exception of the previously recorded sites, all areas tested as part of the Supplemental Phase 1B are located adjacent to the previously investigated 2016 APE.

To maintain surface control, the 2018 Project APE was divided into discrete Areas numbered 1 through 12 (See Field Reconnaissance Map). The Areas are numbered sequentially in counter-clockwise order, beginning in the southwestern portion of the property, near the former Lake Ann Complex buildings. Area 11 is the M. H. Howell Farm Complex and Area 12 is the Schunemunk Precontact Site. A total of 633 shovel tests were completed as part of the Supplemental Phase 1B Archaeological Field Reconnaissance Survey.

Table 1: Testing Areas and Shovel Test for the Supplemental Phase 1B Survey		
Supplemental Phase 1B Area	Transects (TR) #'s	Shovel Test (ST) #'s
Area 1	TR 48-51	ST 465-ST 500
Area 2	TR 8-9	ST 40-ST 51
Area 3	TR 5-7	ST 24-ST 39
Area 4	TR 1-4	ST 1-ST 23
Area 5	TR 19-29	ST 100-ST 158
Area 6	TR 10-18	ST 52-ST 99
Area 7	TR 42-47	ST 341-ST 464
Area 8	TR 30-41	ST 159-ST 340
Area 9	TR 55-56	ST 522-ST 526
Area 10	TR 52-TR 54	ST 501-ST 521
Area 11	TR 63-65, TR F1-TR F4	ST 560-566, F1 –ST 1- ST 18, F2-ST-1-ST 4, F3-ST 1- ST 4, F4-ST 1-ST 8, F5-ST 1- ST 9
Area 12	TR 57-62	ST 527-ST 553

AREA 1

Area 1 is situated in the northern corner of the 2018 Project APE (Figure 3.3). This is the location of the primary entrance to the property, a gravel road that runs past the former Lake Ann Clubhouse building complex. The building complex is located to the northwest of Area 1, and a large wetland is located to the south and west. This area was comprehensively tested by Transects (TR) 48 through 51 that were aligned northwest to southeast. A total of 36 shovel tests were excavated in Area 1 which produced a variety of soil profiles. The soils encountered consisted of a dark brown silty loam with gravel overlying a yellow brown sandy clay with gravel, and brown silt loam overlying a dark yellow brown silt loam with gravel. The field team frequently encountered wet soils, and a number of tests terminated at bedrock or due to pooling water. This area has been previously disturbed by the construction of the existing access road that is bordered to the south by a wetland. No cultural material was recovered from Area 1.



Photo 1: Area 1 is located within an overgrown area, south of the former Lake Ann complex. View to the southeast.



Photo 2: Steep slopes border Area 1 to the northwest. View to the southeast.

AREA 2

Area 2 is located to the south of Area 1 at the base of steep slopes that ascend to the southeast (Figure 3.6 & Figure 3.9). This area is bordered to the west by a wetland area. This ground surface in this area is littered with surface rock. The crew excavated two transects (TR 8-TR 9) southwest to northeast in this location. A total of 11 shovel tests were completed in Area 2. The soils in this portion of the Project APE ranged from light yellow, gray and dark brown silty loam overlying a yellow silty clay and black silt muck. No cultural material of any kind was recovered from Area 2.

AREA 3

Area 3 is located to the southwest of Area 2, also located between the steep slopes to the southeast and the wetland to the west (Figure 3.9). Three Transects (TR 5-7) were aligned southwest to northeast in this location. The northern portion of this area is crossed by a seasonal stream or drainage. A total of 15 shovel tests were excavated along these transects, identifying a variety of soil profiles, including a brown silt loam with gravel overlying a light yellow brown silty clay, and a gray brown silty loam that overlay bedrock, and a dark brown silt loam overlying a yellow brown silt. No cultural resources of any kind were recovered in Area 3.

AREA 4

Area 4 is located 150' (45.7 m) south of Area 3 and approximately 200' (60.9) east of the M. H. Howell Farm Complex (Figure 3.12). Like Areas 2 and 3, the steep slopes ascend to the southeast. This area is bordered to the south by a mined area. Transects 1 through 4 containing 23 shovel tests were aligned southwest to northeast in this location. The shovel tests yielded a soil stratigraphy dominated by dark gray brown silty loams, and the majority of the tests terminated at rock impasses. The shovel tests along TR 4, the easternmost transect, produced muck and pooling water. No cultural resources of any kind were recovered from Area 4.



Photo 3: Area 4 is located on a level terrace that is lightly wooded. View to the north.



Photo 4: Area 5 is overgrown with dense vegetation. View to the southeast.



Photo 5: Large piles of concrete and similar debris are located on the ground surface in Area 5. View to the south.

AREA 5

Area 5 is located to the east of an existing shopping plaza in the southwestern of the 2018 Project APE (Figure 3.15). This area can be characterized as a mosaic of mined areas, graded gravel road, and sodden or saturated sediments. Due to the prior disturbance, this area has low potential for the recovery of cultural materials. Testing in Area 5 was completed to confirm the level of disturbance and rule out the presence of cultural resources. Eleven transects (TR 19-TR 29) containing 58 shovel tests were excavated in the level, well drained areas in this portion of the Project APE. The surface vegetation was dense thorn bushes and catbrier, requiring clearing with a brush hog before the shovel testing could be completed. The predominant soils were light yellow to brown silty loam, frequently interspersed with clay and gravel. The crew encountered frequent rock impasses as well as areas of pooling water and muck. Due to the extensive prior disturbance, consisting of gravel roadways, mined areas, piles of concrete, asphalt and other debris, a number of planned shovel tests in this location were eliminated. No cultural materials of any kind were recovered from Area 5.

AREA 6

Area 6 is a generally square shaped piece of land in the southern corner of the Clovewood Property (Figure 3.18). This area is located adjacent to Route 208 and the southern boundary of the property. A small wetland is located in the southeastern corner of Area 6. Transects began adjacent to Route 208 and progressed east, terminating at the edge of the small wetland. A total of 48 shovel tests were completed along nine transects (TR 10-18). The soil profile identified in the shovel tests varied from a light brown silt loam overlying a yellow brown silty clay with gravel and cobbles, to a dark grayish brown silty clay with cobbles over a overlying a brownish yellow silty clay. Areas of surface water were identified near the wetland, where shovel tests also encountered pooling water and sodden soils. No cultural materials of any kind were recovered from Area 6.



Photo 6: The landscape within Area 6 is generally level. View to the east.



Photo 7: Area 7 is generally level, with a dense layer of leaf litter covering the boulder strewn ground surface. View to the east.



Photo 8: Steep slopes are located in the southern portion of Area 7. View to the southwest.

AREA 7

Area 7 is generally rectangular in shape and is located along the southern boundary of the property (Figure 3.16, Figure 3.19). The landscape in this portion of the site contained steep slopes that were strewn with cobbles and boulders and interspersed with swales that contained saturated soils. Transects began along the boundary of the 2016 APE and progressed south to the southern boundary of the property. Six transects (TR 42-47) containing 123 shovel tests that were excavated in this portion of the site. The transects crossed a steep knoll, that is bordered to the east by a wetland. No shovel tests were completed along the steep slopes that border this knoll. The soil profile was, again, highly varied, with a mix of dark brown to yellowish brown silty loams with gravel and cobbles overlying yellow brown silty clay with channery and a yellow brown sandy clay with gravel. A small drainage or stream crossed through this area. The surface near the drainage was wet. The conditions within Area 7, which include steep slopes, wet areas and a rock strewn land surface would not have been conducive to a precontact period habitation sites. No cultural resources were recovered from Area 7.

AREA 8

Area 8 is the largest section within the 2018 Project APE, and is located directly to the east of Area 7 (Figure 3.16, Figure 3.17, and Figure 3.19). The western section of Area 8 includes portions of the former Lake Ann Golf Course, including two level overgrown fairways. Area 8 contains a significant amount of steep slope that is interspersed with small pockets of sodden soils. Large boulders and cobbles cover the land surface. A total of twelve transects (TR 30-TR 41) containing 182 shovel tests were planned in this location. Transects 37 through 41 were placed on level terraces, avoiding areas of steep slopes. Due to the steep slopes and boulder strewn surface, and prior disturbance associated with the golf course, the shovel tests on these five transects were excavated at 100' (30 m) intervals. The majority of the shovel test, completed in this area terminated at bedrock or rock obstructions. The soils encountered consisted of a dark brown silt loam overlying a dark grayish brown silt loam, mixed with cobbles and a dark brown silt loam over a pale brown silty loam or yellowish brown silt. As the transects moved west across the area, the shovel tests excavated in the former golf course yielded a dark brown silty loam with gravel, overlying a yellowish brown silty clay. Given the surface conditions in Area 8, it is unlikely that it could have supported human habitation. No cultural material was recovered from Area 8.



Photo 9: The southern extent of the Lake Ann Golf Course is located in Area 8. View to the north.

AREA 9

Area 9 is located in the southeastern portion of the Clovewood Property, and within an area of steep slopes (Figure 3.11). The proposed 2018 Project APE includes a road that leads to an existing well in this location (Well #20). This area is dominated by surface bedrock and slopes in excess of 15% grade. Two short perpendicular transects (TR 55-56) containing a total of five tests were excavated in this area. The soils consisted of a brown silty loam and dark brown silty loam, overlying shallow bedrock. No cultural material was recovered in Area 9.



Photo 10: Area 9 included an existing road, which leads to Well #20. View to the northwest.



Photo 11: Area 10 is lightly wooded and contains steep slopes that ascend to the east and southeast. View to the northeast.

AREA 10

Area 10 is located at the southeastern extent of the 2018 Project APE. The landscape in this area is characterized by steep slopes that ascend to the southeast and east. A small stream bisects the area, flowing north into a wetland area. Three transects (TR 52-TR 54) were aligned south to north along the level portions of this Area. A total of 21 shovel tests were planned in this location. Four of these shovel tests were not completed due to the steep slopes and wet soils from the stream. The soils identified in this location consisted of a dark brown to very dark brown silty loam, overlying a yellow brown silt or bedrock. Adjacent to the small stream, the soils consisted of a very dark grayish brown wet silt (muck) overlying a light yellow brown clay. No cultural resources were identified in any of these shovel tests.

AREA 11- M. H. HOWELL FARM COMPLEX

In the western portion of the Clovewood Property, northeast of the intersection of Route 208 and Clove Road, are the ruins of the M. H. (Matthew Henry) Howell Farm complex. These structures are depicted on historic maps dating as early as 1851. In 1903, this property is shown as being owned by N.W. (Nathaniel Woodhull) Howell. A comprehensive history of the Howell family was completed for the 2016 Phase 1B survey. The remains of this farm complex are extant, and are represented in the form of substantial stone foundations and walls. At the time of the 2016 Phase 1B survey, the M. H. Howell Farm Complex was outside the boundaries of the proposed APE, and was not tested as part of the Field Reconnaissance Survey. The 2018 revision to the project design includes this portion of the property as parkland. The Village of South Blooming Grove Planning Board has requested an evaluation of the site to determine if the construction of nearby residential structures will have an impact on this historic resource. The Supplemental Phase 1B focused on evaluating the historic resources in the Farm Complex, mapping in the existing foundations, and completing shovel testing to determine whether or not historic period subsurface deposits were present.

The M. H. Howell Farm Complex is accessed by a gravel road from Clove Road as well as by a gravel road from the interior of the property. The foundations are intact to a degree that the various entryways and fenestrations are easily identifiable in the stone foundation walls. The existing gravel road that bisects the complex goes north past the farmhouse foundation into the interior of the property. On both sides of this road are the remains of farm building foundations, most likely barns and storage buildings. The farm complex includes the remains of five foundations. The Farmhouse foundation (F1), two barn foundations (F4 and F5) and two outbuilding or storage building foundations (F2 and F3). The largest foundation, the farmhouse, is comprised of a number of delineated rooms, with a chimney and interior fireplace structure still intact. Two metal storage buildings are located to the east of the farmhouse foundation. The footprint of this farm complex is well preserved and in stable condition. The Supplemental Phase 1B tested the perimeter of each of the foundations at 10' (3.04 m) intervals.

The Farmhouse Foundation was tested with a total of 18 shovel tests along Transect F1. (Fig 5) All of the shovel tests completed around the farmhouse yielded cultural material. The majority of the materials recovered were architectural in nature, consisting of fragments of stucco wall, nails, window glass, brick and slate roofing. There was a surprisingly low recovery of domestic artifacts, with only 18 fragments of container and/or bottle glass, and 11 fragments of ceramic of including whiteware, redware and stoneware, a fragment of a kaolin pipe stem, a button and a metal grommet.



Photo 12: The ruins of the M. H. Howell farmstead area extant, and include the chimney features. View to the southeast of Foundation 1 (F1).

Approximately fifty feet northwest of the M. H. Howell farmhouse is Foundation 2, likely a storage or shed structure. The crew excavated four shovel tests around the perimeter of the exposed foundation. The shovel tests yielded a sparse amount of architectural materials including glass fragments, brick, nails, slate roofing tiles and coal slag. In Transect F2 ST4, a broken projectile point was recovered. The point lacks a base, making a definitive identification difficult. The projectile point is finely flaked, and has multiple characteristics of the Laurentian Tradition. As the projectile point is non-diagnostic an exact occupation period cannot be determined. Based on the recovery of the broken point, the crew excavated four additional shovel tests at cardinal points. The historic artifacts recovered from the radial confirmation tests were consistent with the artifacts recovered in the shovel tests excavated around the perimeter of the foundation. Radial test ST 4, N2 produced a small chert flake, confirming the presence of a precontact site (Clove Road Precontact Site) and not a single isolated artifact. Additional close interval testing within the Clove Road Precontact Site yielded a small fragment of Fire Cracked Rock, a non-diagnostic Projectile Point and a small lithic scatter. This site is bisected by the existing farm road that crosses through the area and the M. H. Howell Farm Complex. No construction impacts are proposed in this location.



Photo 13: Two barn foundations are located in the southwestern extent of the historic complex. View to the north of Foundation 5 (F5) and Foundation 4 (F4).



Photo 14: Foundation 3 (F3) is overgrown with brambles and consists of three sides, creating a U-Shape. View to the southwest.

Foundation 3 (F3) was identified during the comprehensive walkover of the Howell Farm, and sits approximately forty feet to the east of Foundation 2. Foundation 3 is built into a slope, an indication that the structure was used to store feed, hay and farm machinery. Transect F3 consisted of four ST's placed around the exposed foundation. No cultural material was recovered from any of the shovel tests at Foundation 3.

Foundation 4 is located approximately 400 feet to the west of Foundation 3 along a curve in the farm road. Like Foundation 3, it was constructed incorporating the natural slope of the landscape in its design. Nine shovel tests were excavated around Foundation 4, recovering only two metal brackets in ST 5. No significant cultural material was identified.

The last foundation (Foundation 5) identified within M. H. Howell Farm Complex is located to the southwest of the farm road and directly southwest of Foundation 4. This foundation sits on a level terrace. A total of eight shovel tests were excavated around the three extant sides of the Foundation 5 perimeter. All of the shovel tests were sterile for cultural material.

Once the foundation testing was completed, the crew excavated additional shovel tests in the vicinity of the non-diagnostic projectile point and chert debitage. Three transects (TR 63-65) were placed near the northeastern wall of Foundation 3, progressing north. These tests were excavated to further investigate this precontact locus. The shovel tests were spaced at 25' (7.5m) intervals. Three of the shovel tests along TR 63, were positive for precontact material (ST 557, ST 559, ST560), producing a total of three small pieces of debitage. A total of six additional fragments of debitage were also recovered along TR 64 (ST 562) and along TR 65 (ST 5). The primary reduction flake recovered in ST 557 exhibits characteristics of being utilized as a tool. The pattern of radial confirmation tests completed for TR F2 ST 4, extends north past ST 557. These north confirmation tests were sterile for cultural material.

AREA 12 – SCHUNEMUNK PRECONTACT SITE

In July of 2016, during the initial walkover of the Clovewood Property, the HVCRC field team identified precontact period cultural material in an area disturbed by the construction of a large well (Well # 21). The materials recovered included a broken biface, a small drill/scrapper, debitage and a large projectile point with compelling characteristics of an Atlantic point, a broad blade projectile point (Appendix F). The point recovered from the Schunemunk Precontact Site is missing the base, therefore a cultural affiliation was not assigned. This area was not included in the 2016 APE, therefore no Phase 1B testing was completed in this locus during the 2016 Phase 1B survey. The revised 2018 Project APE includes this locus as an area of impact, including maintaining vehicular access to the well and the construction of a waterline that will connect the residential development to Well #21. As this location is now included in the Project APE, the location was systematically tested as part of the Supplemental Phase 1B survey.

During the Supplemental Phase 1B survey, the field team completed a comprehensive surface reconnaissance of the area surrounding the location of the previously identified precontact site. There is a substantial wetland abutting the southern edge of the site, and the slope ascends sharply to the southeast to an exposed ridgeline. This ridgeline is composed of bedrock outcrops that create a series of formations that have the potential to be rockshelters. The field team completed a surface reconnaissance of the potential rockshelters, however this locus is outside of the APE, and no sub-surface testing was undertaken.

During the initial surface reconnaissance, the upper section of a chert biface was recovered. The morphology, size and dimensions of the point suggest that the artifact is an Adena point, likely broken in manufacture. Additional pieces of debitage were recovered from the disturbed soils piled on the sides of the existing roadway. Based on the presence of these artifacts, the Schunemunk Precontact site is likely a habitation site located on a flat terrace abutting a small wetland. The center of the site has been significantly impacted by the construction of the service road that accesses the well (Well # 21). To the south of the site, the graded and level roadway leads to an additional well (Well #23).



Photo 15: View to the east of the Schunemunk Precontact Site. Transects 57-60 began adjacent to the gravel road.

Once the crew assessed the condition of the site, a series of transects were laid out in those areas where intact soils were identified on the ground surface. Six transects (TR 57-TR 62) were laid out across the ground surface adjacent to the locations of precontact period surface finds to determine if in-situ materials were located within and adjacent to the APE boundaries. These transects were located outside the area of prior disturbance. The wetland located adjacent to the precontact site and Well # 21 is drained to the southwest by a small stream. Transects were placed on either side of this small stream. A total of 47 shovel tests, including confirmation tests, were excavated in this location. Of these 47 shovel tests, seven were positive for precontact cultural material. Artifacts recovered, included chert debitage, a utilized flake/tool and a probable Normanskill point. The intact stem and the proportions of the point (length and width) support this classification. The Normanskill point is buff to yellow in color, lacks luster and is friable. This may be a yellow jasper which is not native to the region and would likely have been imported from the Pennsylvania, or it may have been heat treated either during or after manufacture. The tip of the projectile point is broken off, and there is a deep dorsal step fracture on one side. It is likely that this point was broken during manufacture, however it may have broken during use. No Fire Cracked Rock, or precontact period pottery were recovered from this location. Based on the materials recovered during the Archaeological investigations, the site is likely a Late Archaic –Transitional –Early Woodland period precontact habitation site.



Photo 16: Large rock overhangs are located within the ridge line 1000' south of the Schunemunk Precontact Site. View to the northeast.

Photo 17: The ground surface to the south of the Schunemunk Precontact site has been impacted by the



construction of the existing roadway. View to the south.

E. SUMMARY AND CONCLUSION

In October and November of 2018 Hudson Valley Cultural Resource Consultants completed a Supplemental Phase 1B Archaeological Field Reconnaissance Survey of the 2018 Clovewood Property APE. The survey tested areas that were not previously investigated during the 2016 Phase 1B Archaeological Field Reconnaissance Survey.

A total of 633 shovel tests were completed as part of this survey in the level, well drained areas of the parcel that had not been previously disturbed. Tests were completed at 100' (30 m) intervals in the locations of prior disturbance (golf course and mined area) to document the level of soil disturbance.

The ±63.03 acres of the 2018 Project APE were divided into discrete areas, then systematically tested. Ten areas did not produce significant cultural materials. Two areas, Area 11 and Area 12 contained significant archaeological sites. Area 11 contains the M. H. Howell Farm Complex, a substantial Historic Site, and the Clove Road Precontact site. Area 12 contains the Schunemunk Precontact site. Based on the recovered material, these two locations have the potential to be eligible for listing on the National Register of Historic Places.

M. H. HOWELL FARM COMPLEX & CLOVE ROAD PRECONTACT SITE

The M. H. Howell Farm Complex is located a short distance to the northwest of the defined APE boundary, near Clove Road. This location contains two significant archaeological sites, the M. H. Howell Farm Complex and the Clove Road Precontact Site. These two sites are located in an area of the Clovewood Property that is proposed as parkland. If these sites are not protected they will be impacted by the continuing pattern of human intrusion that is expected within designated parkland. The M. H. Howell Farm Complex has not been evaluated at the level of a Phase 2 Archaeological Investigation which is conducted “. . . to obtain detailed information on the integrity, limits, structure, function and cultural/historical context of an archaeological site sufficient to evaluate its potential for National Register eligibility” (NYAC 1994:4). However, based on the history of the Howell family's occupation and use of the property (HVCRC, 2016), it is the opinion of HVCRC that the M. H. Howell Farm Complex is has the potential to be eligible for listing on the National Register of Historic Place under Criterion B, as it is associated with significant persons in the South Blooming Grove history and community. In contrast with deposits typically found at historic sites that have been occupied by many generations, the artifact recovery at this site was minimal. Therefore, the site is not considered to qualify under Criterion D, which is based on the potential of a site to yield significant archaeological deposits.

SCHUNEMUNK PRECONTACT SITE

The Schunemunk Precontact Site is located in the southern portion of the 2018 Project APE. The site has previously been impacted by a roadway and the construction of Well #21. The proposed undertaking consists of maintaining the roadway and installing a water line that will connect to the well. This Precontact Site is considered to be significant as one of the few Late Archaic-Transitional period sites in the region and one of the few sites documented within the upper reaches of the Schunemunk Mountain Range. The projectile points recovered from the site suggest an occupation from the Archaic through Transitional to the Early Woodland Period. The presence of possible rock shelters, located to the southeast of the site along the steep slopes of the Schunemunk Mountains increases the significance of this location. Based on the results of the 2016 surface reconnaissance and the 2018 subsurface testing, this site is considered to be eligible for listing on the National

Register of Historic Places, under Criterion D as having yielded or having the potential to yield information important to history or prehistory.

F. RECOMMENDATIONS

From October 23 to November 4, 2018, Hudson Valley Cultural Resource Consultants (HVCRC) completed a Supplemental Phase 1B Field Reconnaissance Survey of the Clovewood Site in the Village of South Blooming Grove, Orange County New York. The 2018 Project APE as it is designed, will impact both the M. H. Howell Farm Complex and the Clove Road Precontact Site which are located in an area currently proposed as parkland. A continuing pattern of human intrusion will have an Adverse Effect on the significant features of this historic complex, and on the precontact site. The project sponsor is currently planning to avoid this area (Clove Road Precontact and MH Howell Farm Complex), as well as buffer area to protect it from any Adverse Effects. An avoidance and preservation plan for these archaeological sites will be developed in consultation with OPRHP.

If avoidance is not possible it is recommend that this location be further investigated at the level of a Phase 2 Investigation, to establish site boundaries and determine if the M. H. Howell Farm Complex and the Clove Road Precontact Site meet the criteria for National Register Eligibility. In this case, a Phase 2 Investigative Work plan for these archaeological sites will be developed in consultation with OPRHP and the Native American Nations.

The 2018 Project APE includes a proposed waterline that will connect to Well #21. This constitutes an Adverse Effect to this significant precontact period site. The project sponsor is currently planning to route the waterline to avoid any additional impacts to this sensitive locus. An avoidance and preservation plan for this archaeological site will be developed in consultation with OPRHP. If avoidance is not possible it is recommended that this location be further investigated at the level of a Phase 2 Investigation, to refine site boundaries and determine if the Schunnemunk Precontact Site meets the criteria for National Register Eligibility. A Phase 2 Investigative Work plan for this archaeological site will be developed in consultation with OPRHP.

These recommendations are subject to concurrence by the Office of Parks, Recreation and Historic Preservation.

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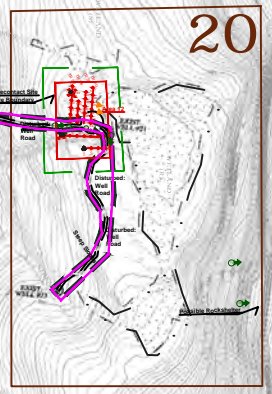
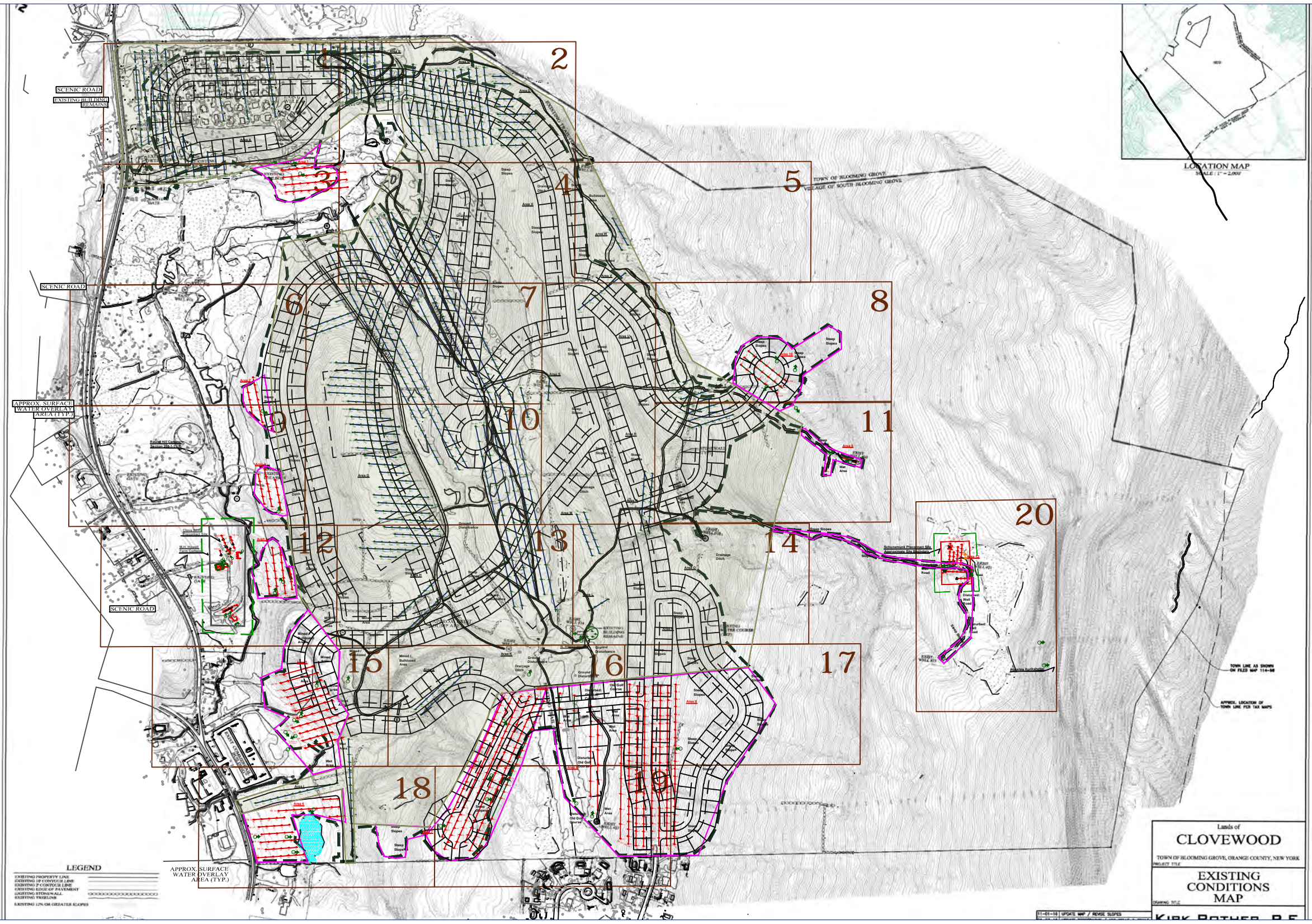
2001 National Register of Historic Places Guidelines for Evaluating and Registering Cemeteries and Burial Places to the National Register of Historic Places.

1985 National Register Bulletin # 24: Technical Information on Comprehensive Planning, Survey of Cultural Resources, and Registration in the National Register of Historic Places. Reprint. National Park Service, Interagency resources.

Witt, Simon de

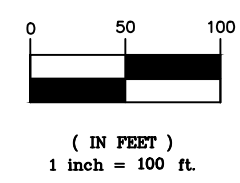
1782-3 *Map of Land Patents from Original Surveys*. In Ruttenber, *History of Orange County, New York* (Ruttenber 1881).

APPENDIX A: FIELD RECONNAISSANCE MAPS

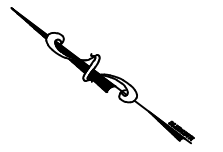


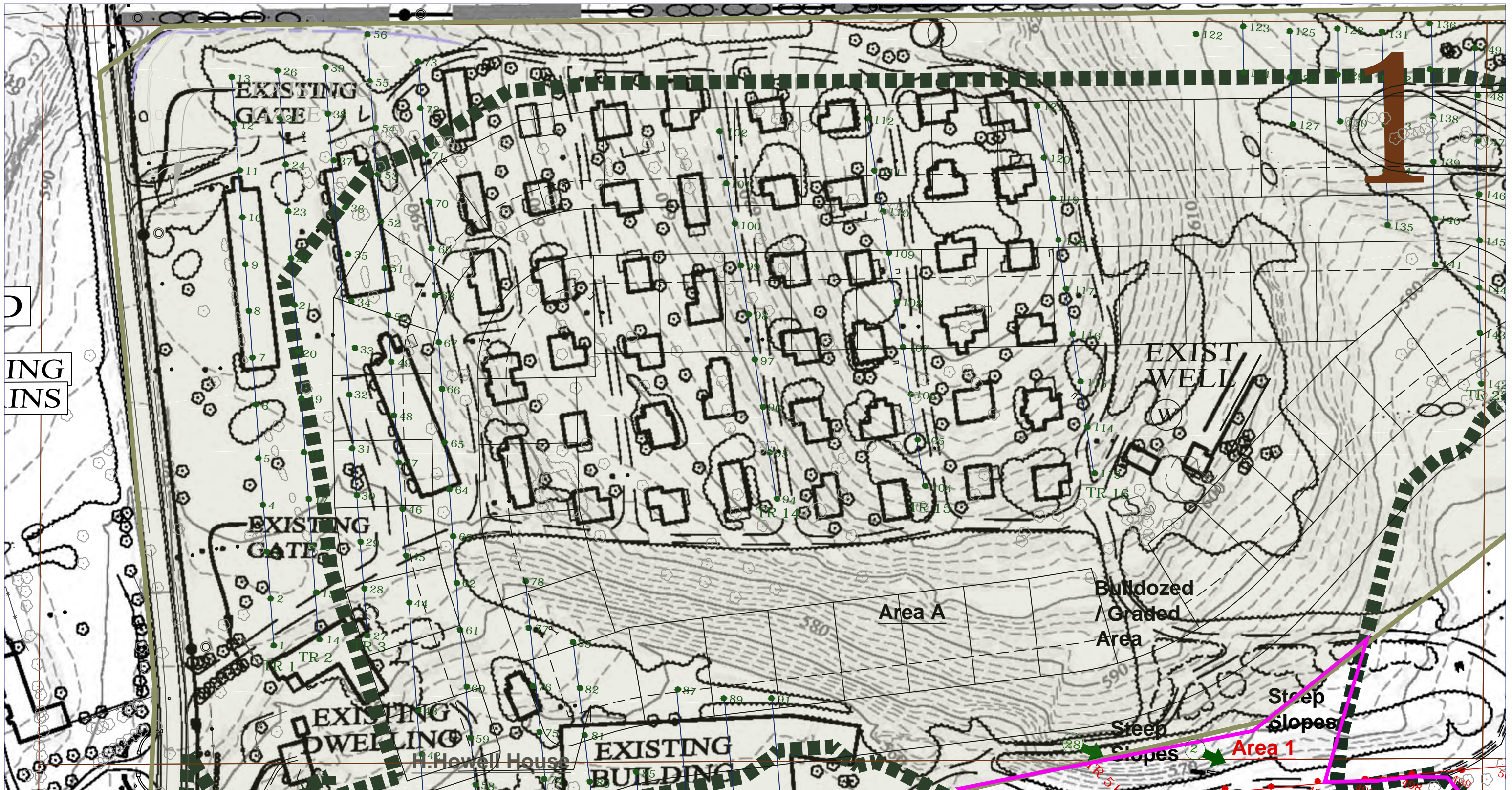
HUDSON VALLEY
Cultural Resource Consultants, Ltd.

Figure 3.0: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



- | | | | |
|------|---------------------------------|---|------------------------------------|
| ● ST | Sterile Shovel Test Location | — | Supplemental 1B Areas |
| ▲ ST | Precontact Positive Shovel Test | ■ | Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | ■ | Area Tested in 2016 |
| ① → | Photographic View | ■ | Areas of Slope >12% |
| --- | 2018 APE | | |

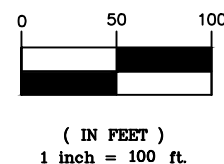




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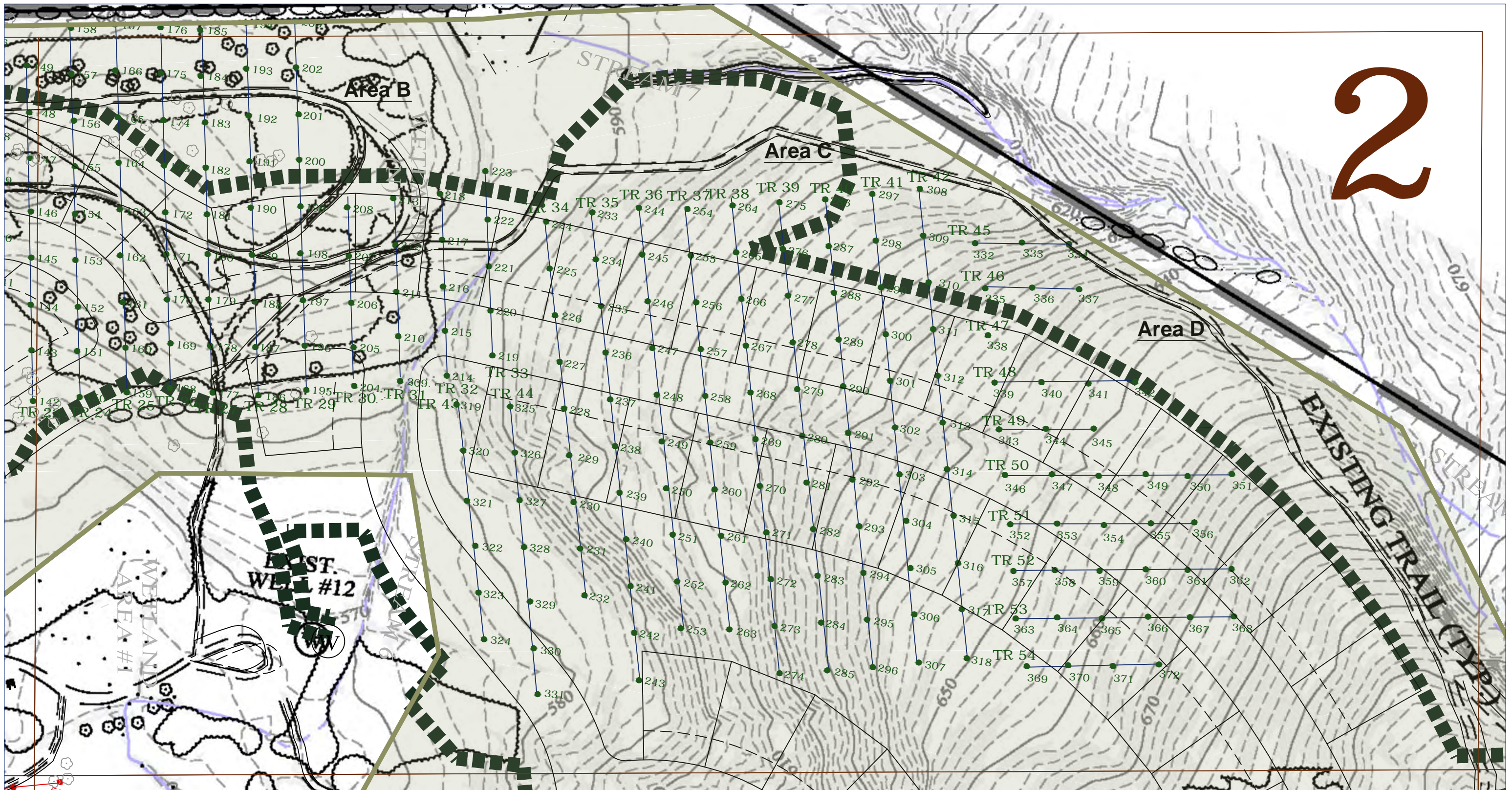
Figure 3.1: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



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| ▲ ST | Precontact Positive Shovel Test | ■ Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | ■ Area Tested in 2016 |
| ① → | Photographic View | ■ Areas of Slope >12% |
| --- | 2018 APE | |

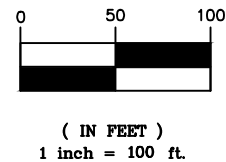




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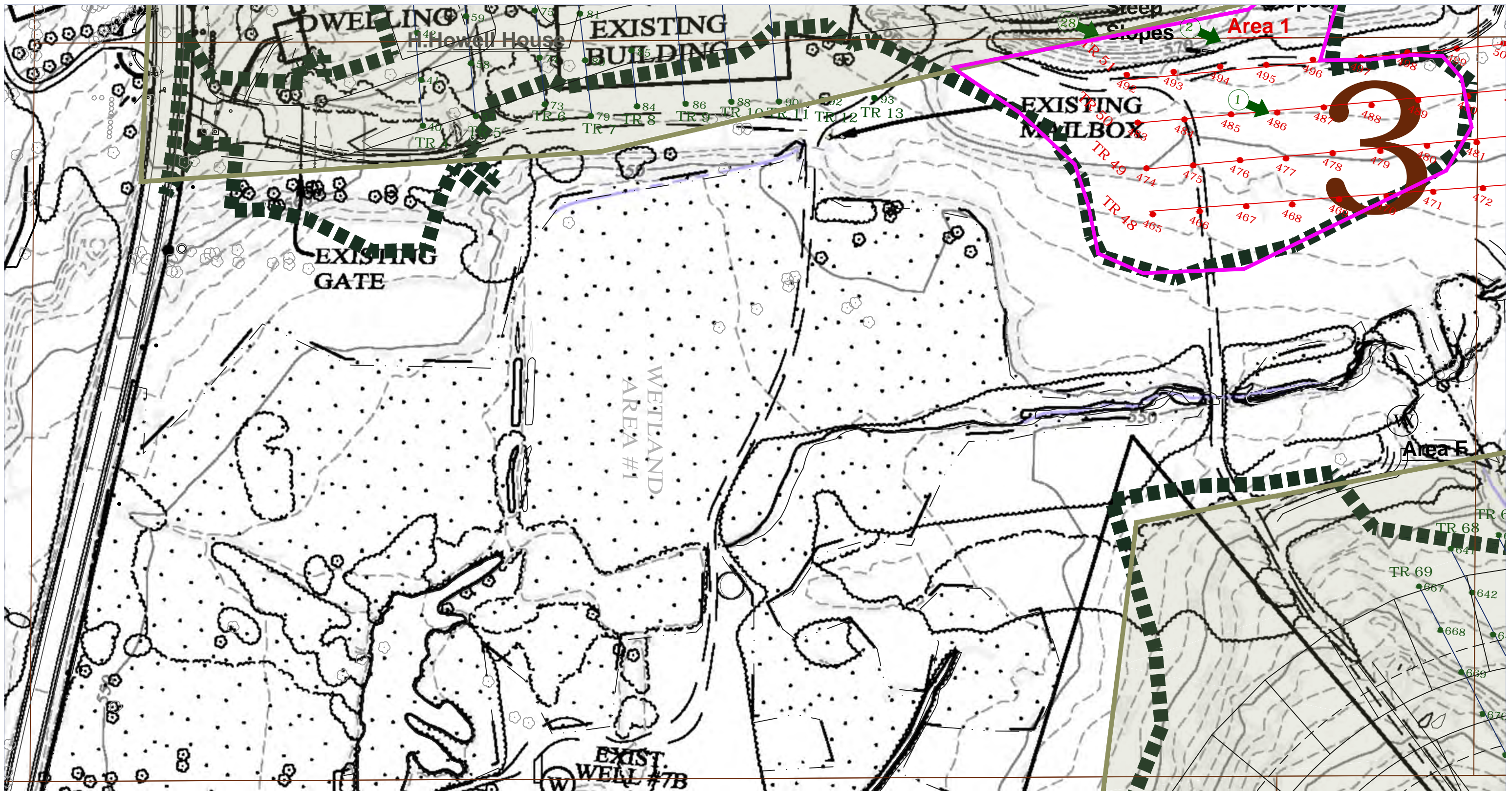
Cultural Resource Consultants, Ltd.

Figure 3.2: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



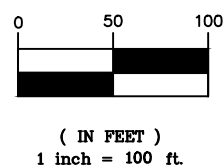
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- ST Sterile Shovel Test Location
- ▲ ST Precontact Positive Shovel Test
- ST Historic Positive Shovel Test
- ①➡ Photographic View
- 2018 APE
- Supplemental 1B Areas
- Areas of Standing Water or Wetland
- Area Tested in 2016
- Areas of Slope >12%



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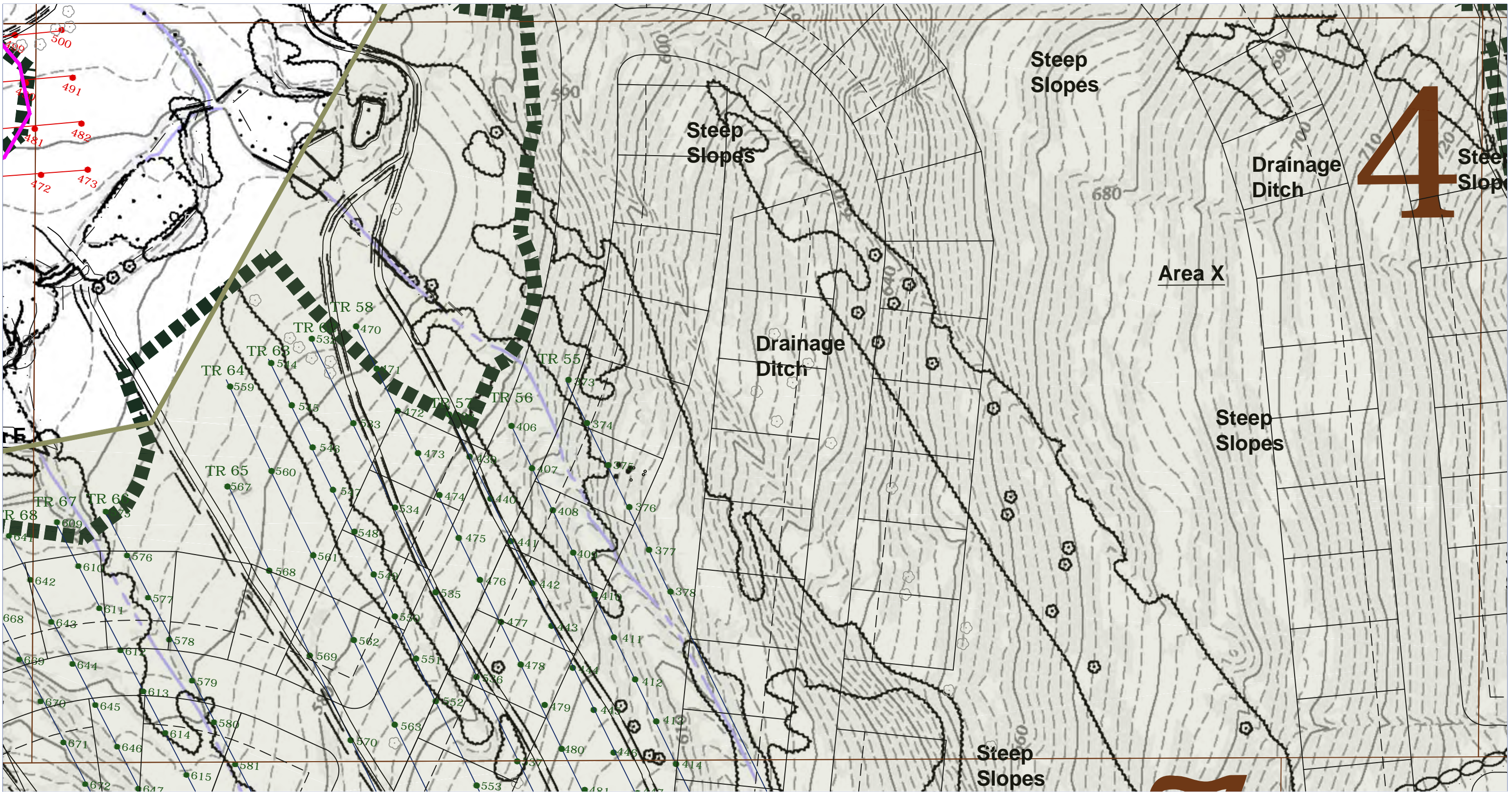
Figure 3.3: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



LEGEND

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|------|---------------------------------|------------------------------------|
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| ▲ ST | Precontact Positive Shovel Test | Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | Area Tested in 2016 |
| ① → | Photographic View | Areas of Slope >12% |
| --- | 2018 APE | |

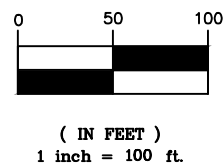




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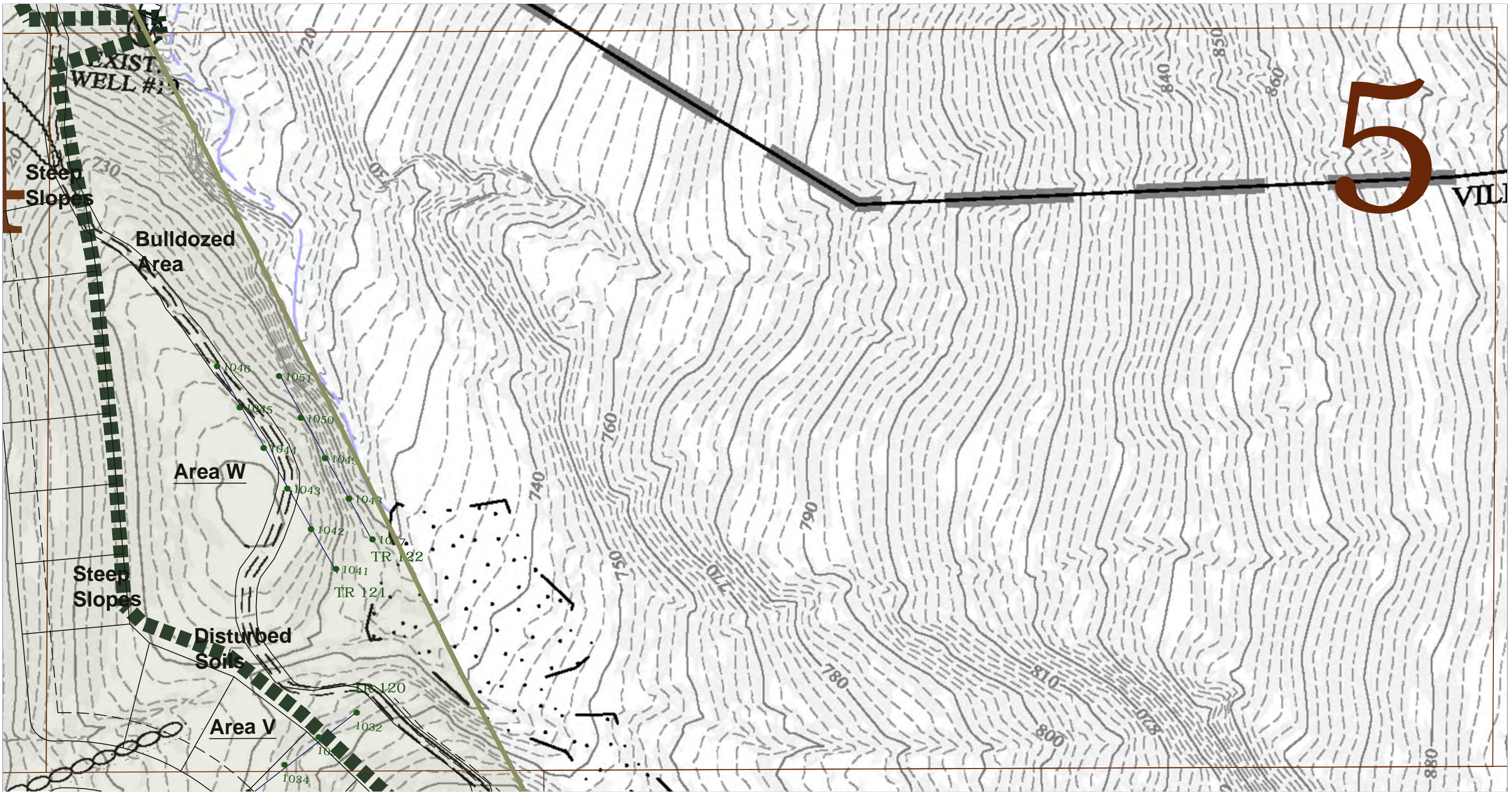
Figure 3.4: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



LEGEND

- ST Sterile Shovel Test Location
- ▲ ST Precontact Positive Shovel Test
- ST Historic Positive Shovel Test
- ➡ ① Photographic View
- 2018 APE
- Supplemental 1B Areas
- Areas of Standing Water or Wetland
- Area Tested in 2016
- Areas of Slope >12%



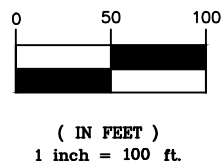


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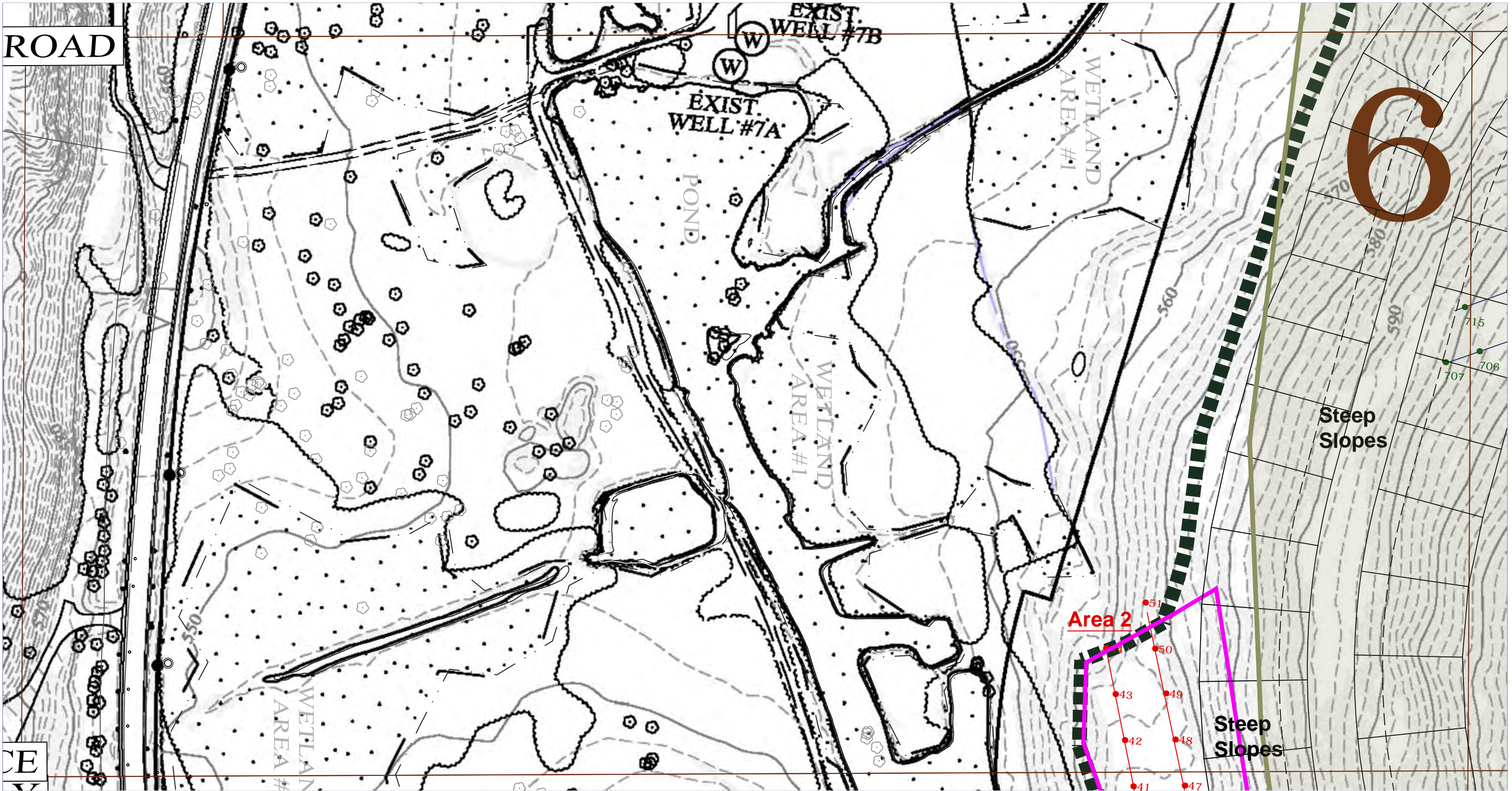
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Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



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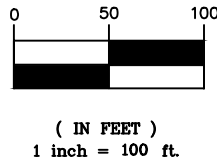
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|------|---------------------------------|------------------------------------|
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| ▲ ST | Precontact Positive Shovel Test | Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | Area Tested in 2016 |
| ➡ ① | Photographic View | Areas of Slope >12% |
| --- | 2018 APE | |



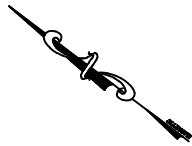


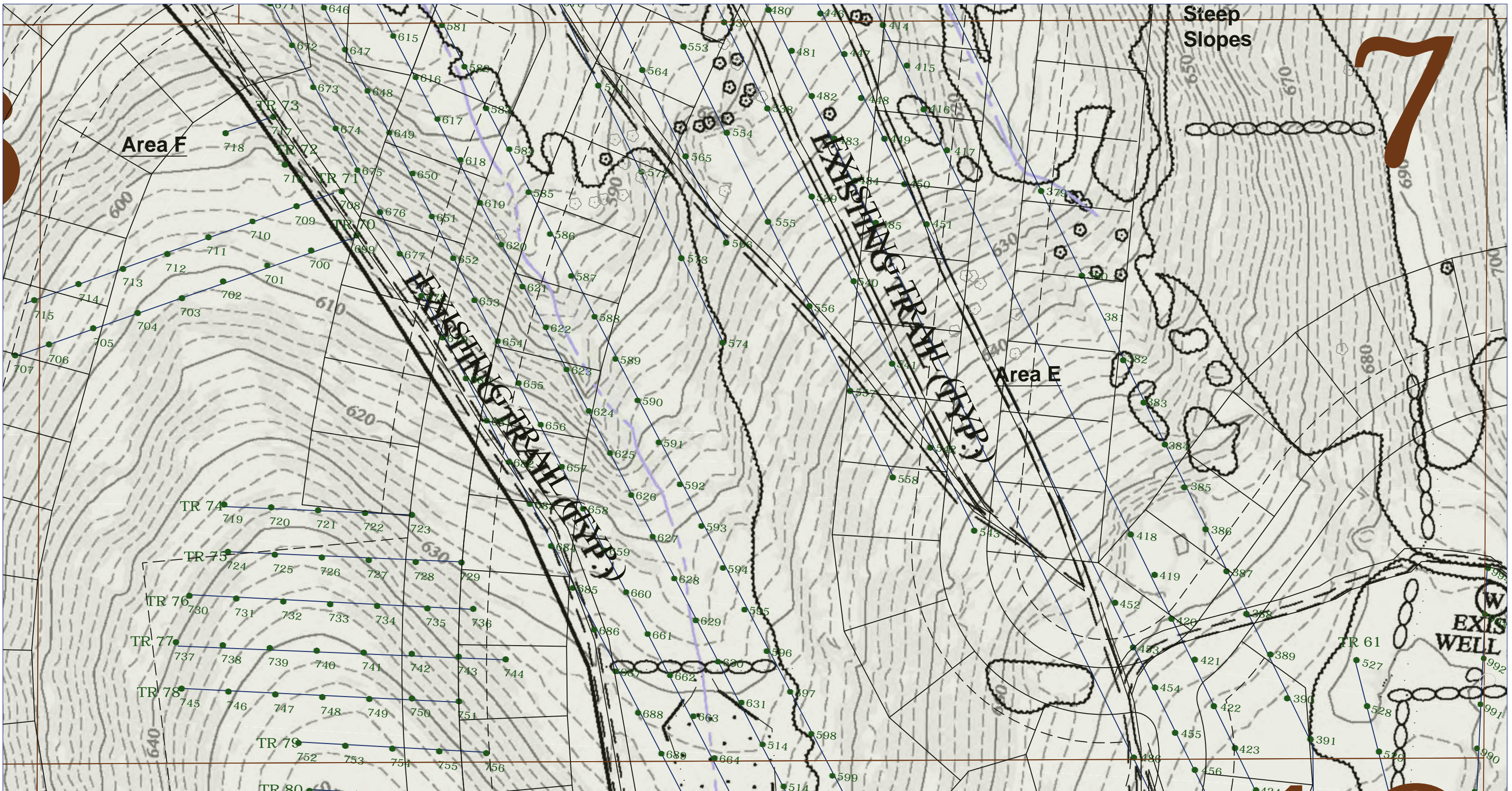
HUDSON VALLEY
Cultural Resource Consultants, Ltd.

Figure 3.6: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



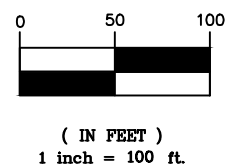
● ST	Sterile Shovel Test Location	— Supplemental 1B Areas
▲ ST	Precontact Positive Shovel Test	Areas of Standing Water or Wetland
■ ST	Historic Positive Shovel Test	Area Tested in 2016
① →	Photographic View	Areas of Slope >12%
---	2018 APE	





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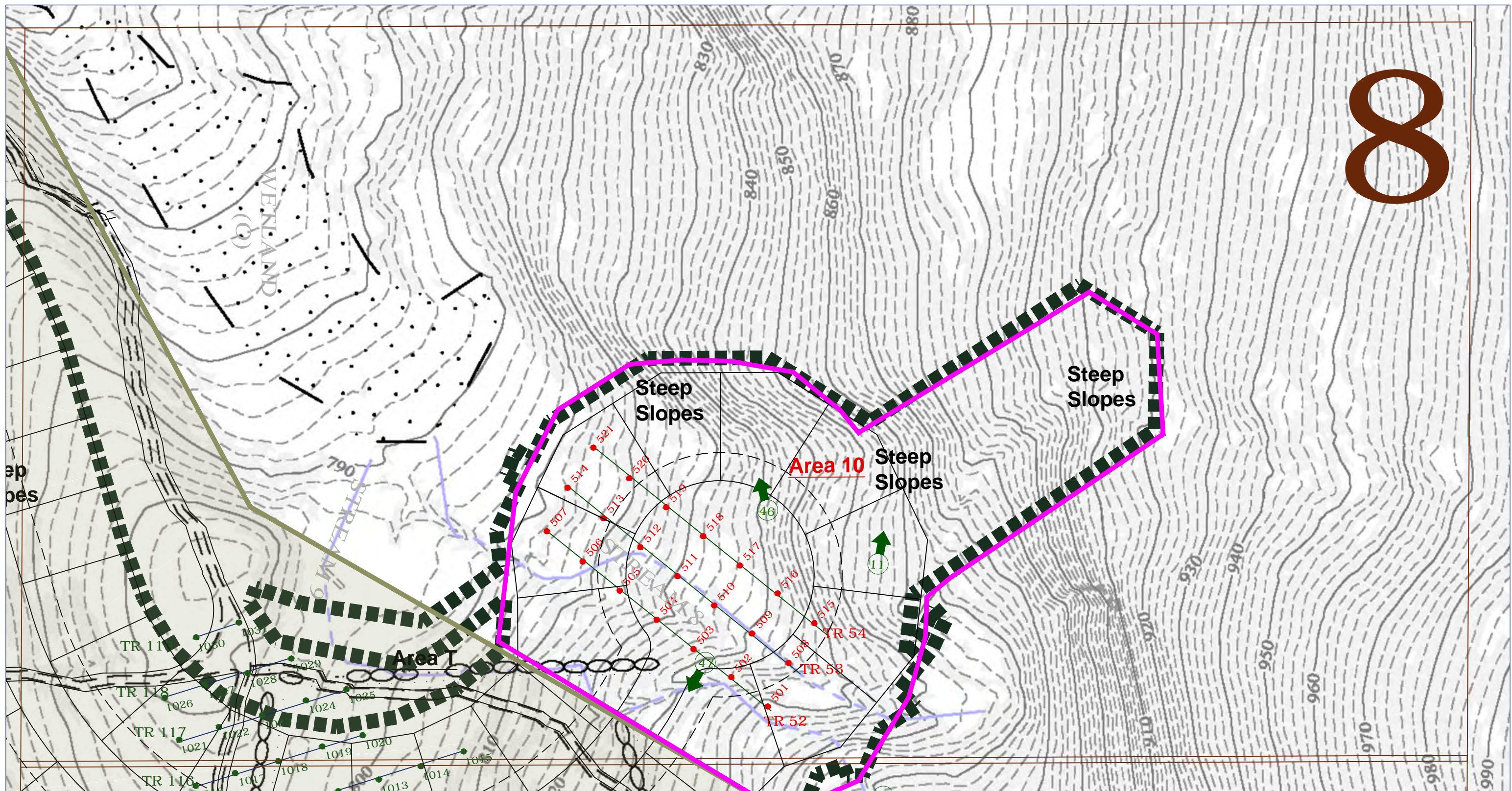
Figure 3.7: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



LEGEND

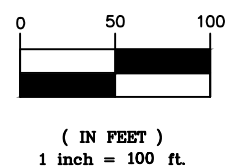
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| ● ST | Sterile Shovel Test Location | — Supplemental 1B Areas |
| ▲ ST | Precontact Positive Shovel Test | ■ Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | ■ Area Tested in 2016 |
| ①➡ | Photographic View | ■ Areas of Slope >12% |
| --- | 2018 APE | |














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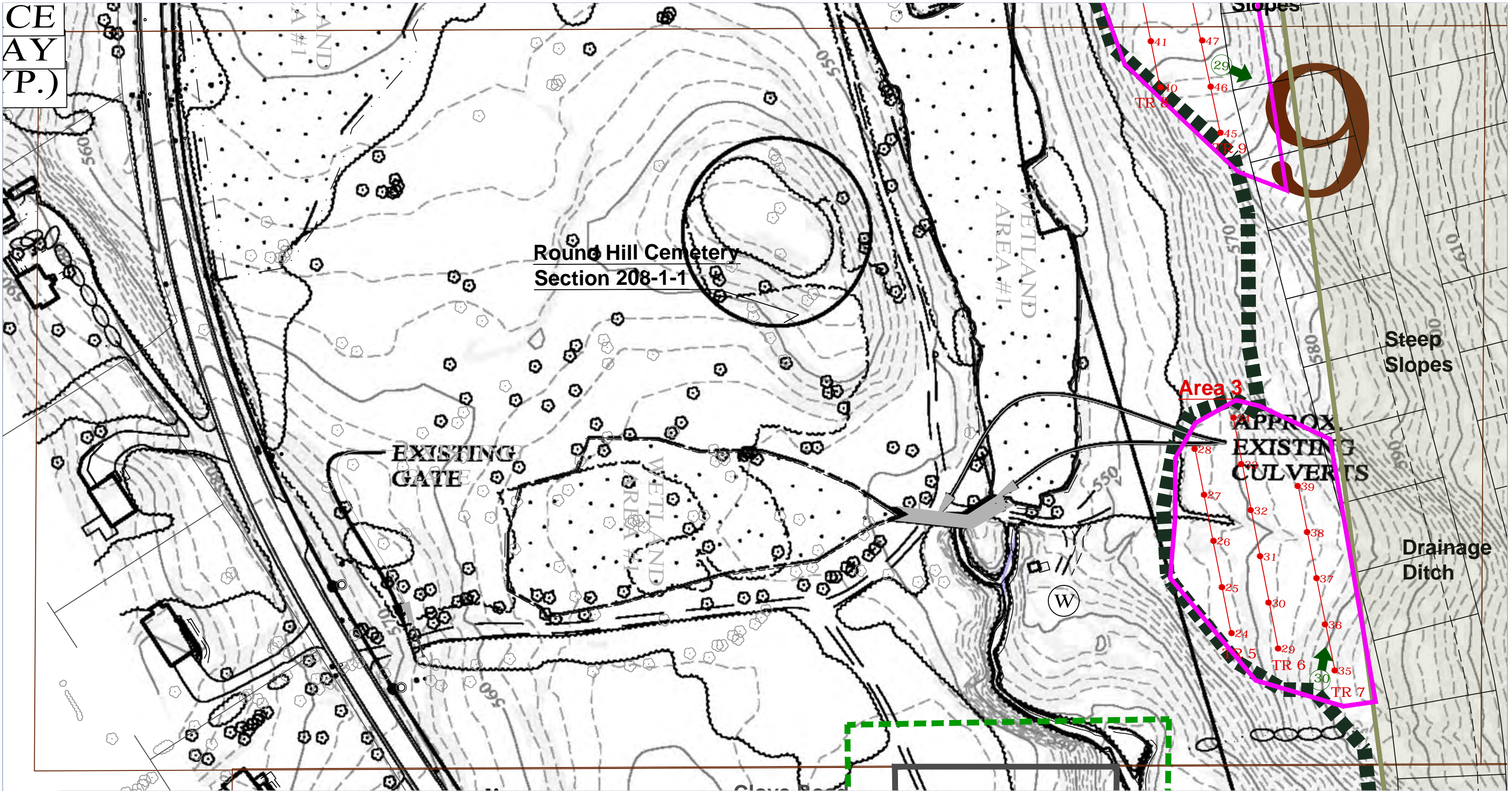
Figure 3.8: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



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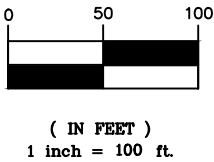
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|  | Sterile Shovel Test Location |  | Supplemental 1B Areas |
|  | Precontact Positive Shovel Test |  | Areas of Standing Water or Wetland |
|  | Historic Positive Shovel Test |  | Area Tested in 2016 |
|  | Photographic View |  | Areas of Slope >12% |
|  | 2018 APE | | |

CE
AY
(P.)



HUDSON VALLEY
Cultural Resource Consultants, Ltd.

Figure 3.9: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'

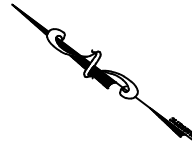


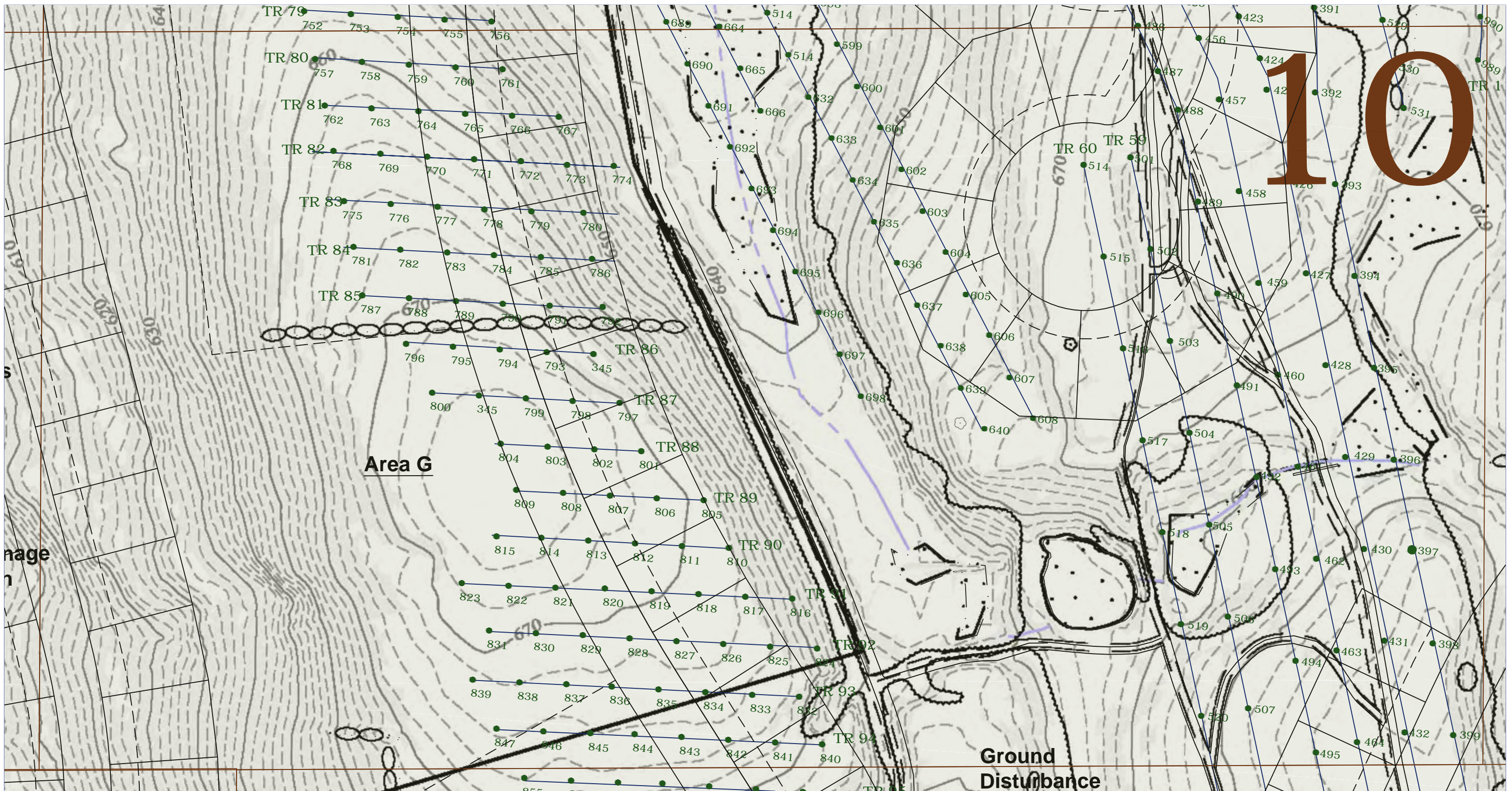
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Sterile Shovel Test Location
Precontact Positive Shovel Test
Historic Positive Shovel Test
Photographic View
2018 APE

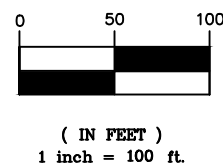
Supplemental 1B Areas
Areas of Standing Water or Wetland
Area Tested in 2016
Areas of Slope >12%





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Figure 3.10: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'

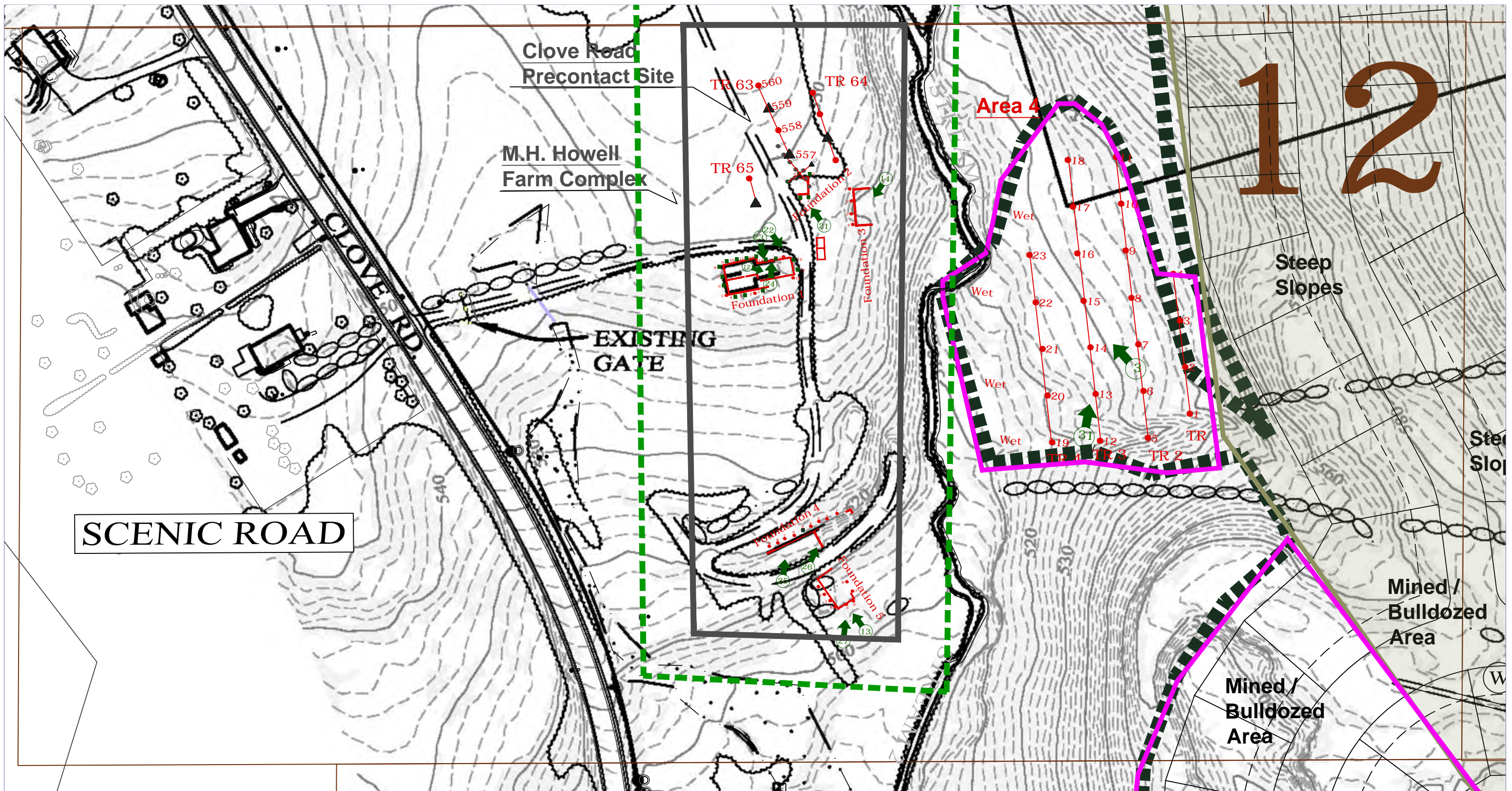


Sterile Shovel Test Location
Precontact Positive Shovel Test
Historic Positive Shovel Test
Photographic View
2018 APE

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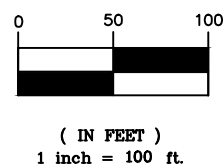
Supplemental 1B Areas
Areas of Standing Water or Wetland
Area Tested in 2016
Areas of Slope >12%





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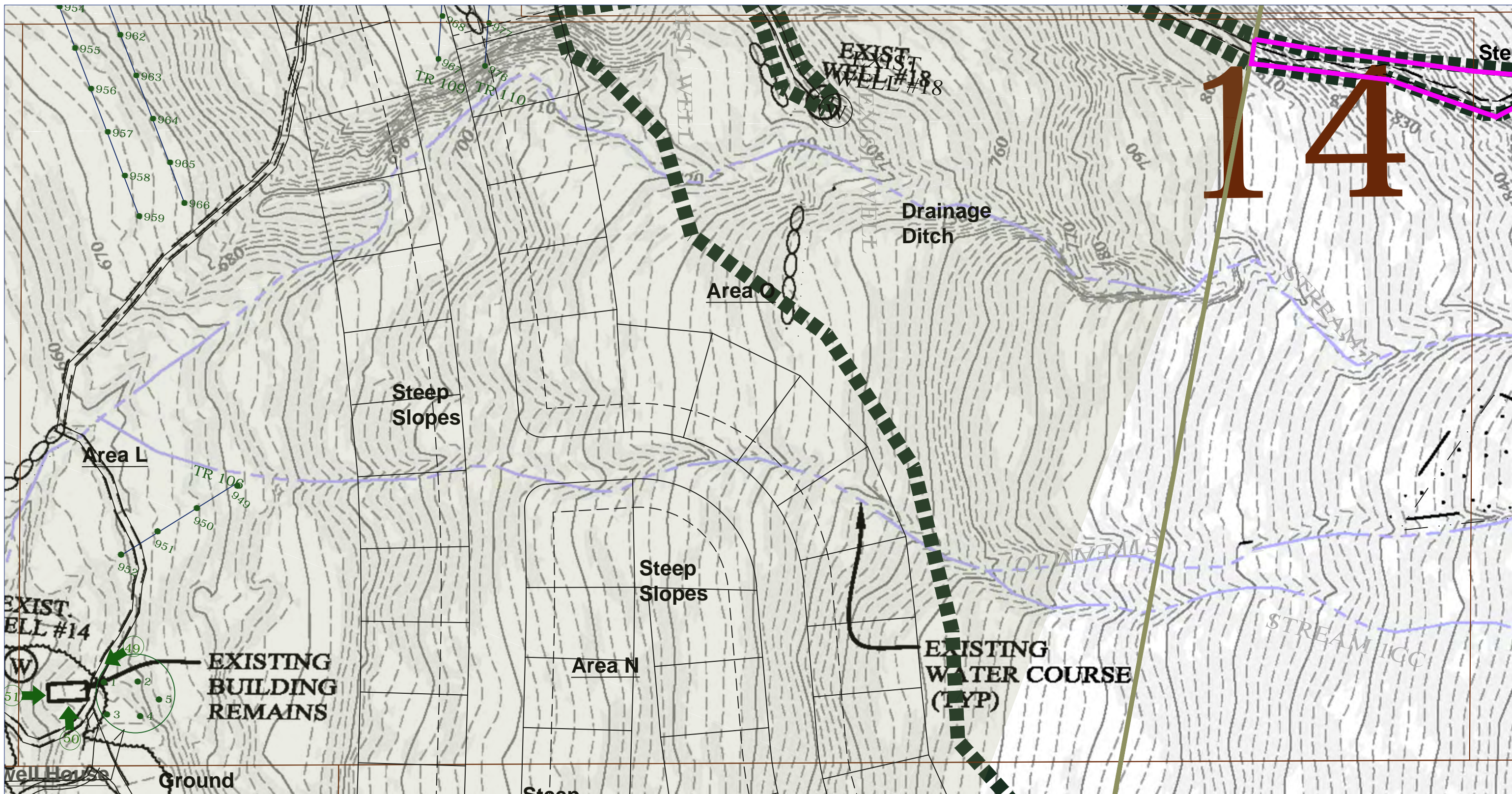
Figure 3.12: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



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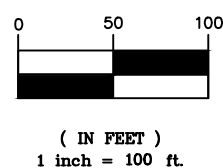
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| ● ST | Sterile Shovel Test Location | — Supplemental 1B Areas |
| ▲ ST | Precontact Positive Shovel Test | ■ Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | ■ Area Tested in 2016 |
| ➡ ① | Photographic View | ■ Areas of Slope >12% |
| --- | 2018 APE | |





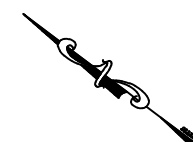
HUDSON VALLEY
Cultural Resource Consultants, Ltd.

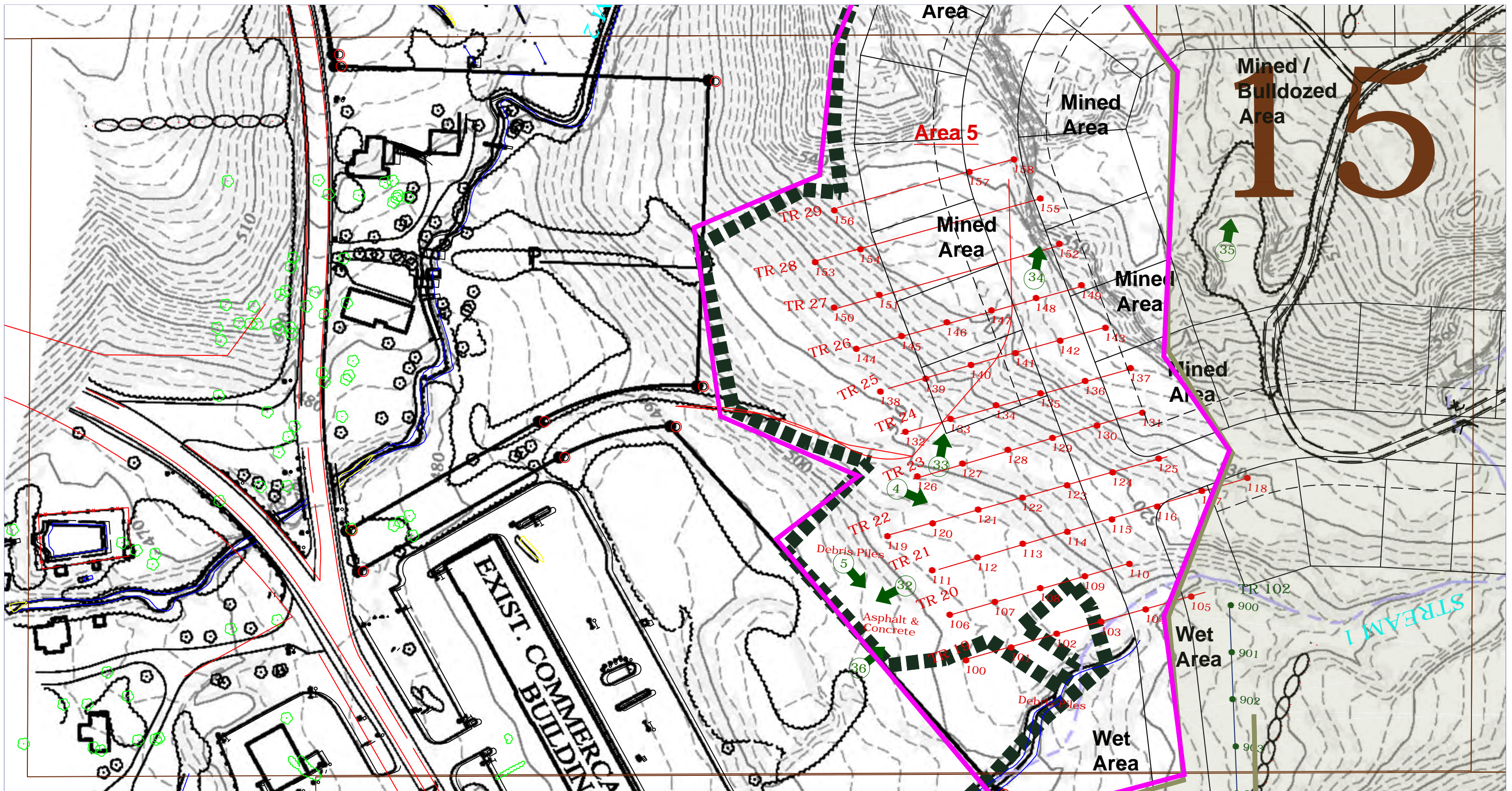
Figure 3.14: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



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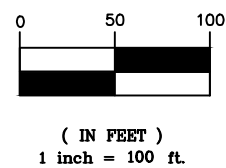
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| ● ST | Sterile Shovel Test Location | — Supplemental 1B Areas |
| ▲ ST | Precontact Positive Shovel Test | Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | Area Tested in 2016 |
| ① → | Photographic View | Areas of Slope >12% |
| --- | 2018 APE | |





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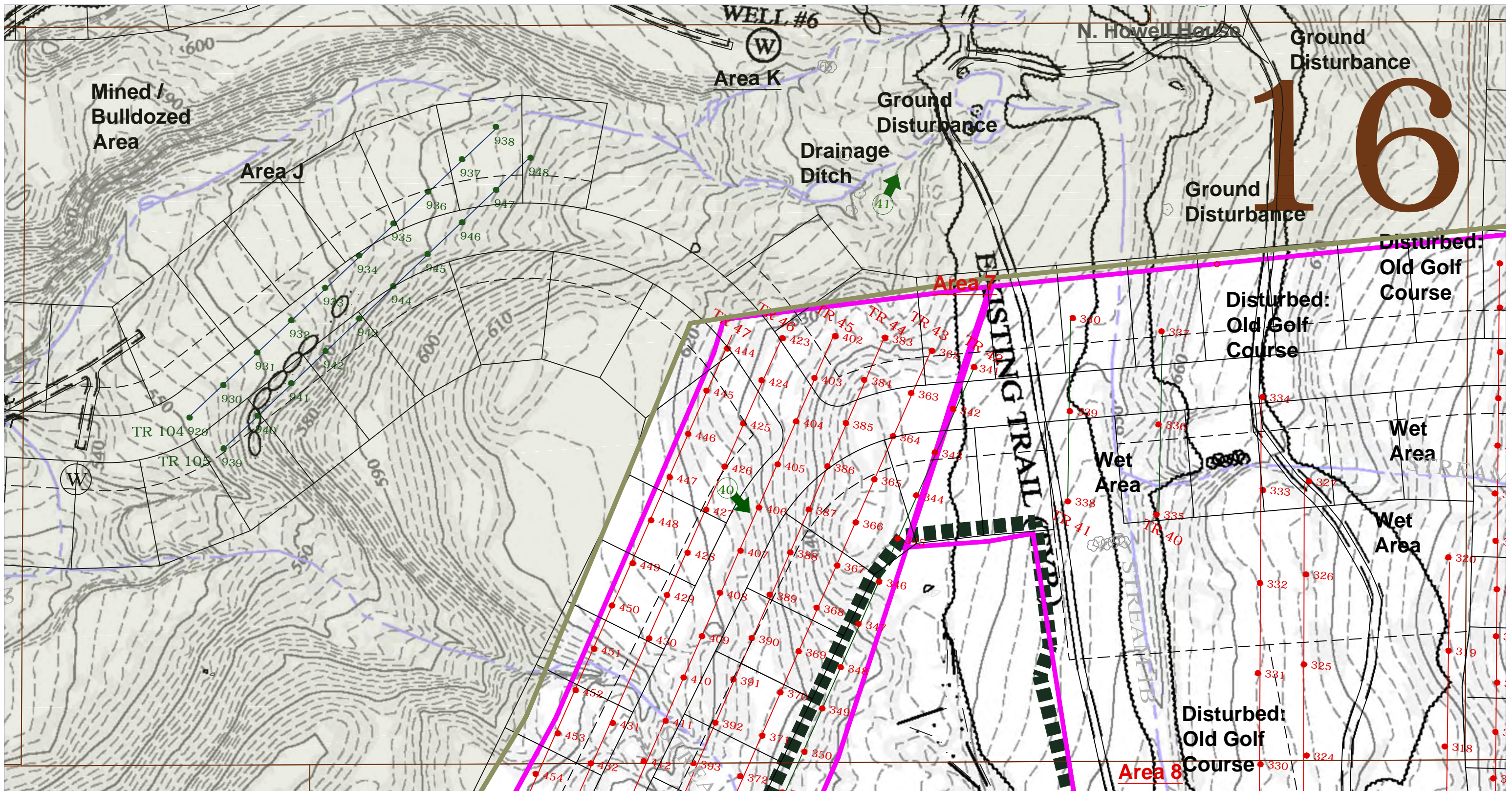
Figure 3.15: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



LEGEND

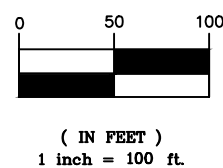
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|---|---------------------------------|--|------------------------------------|
| ● ST | Sterile Shovel Test Location | — | Supplemental 1B Areas |
| ▲ ST | Precontact Positive Shovel Test | — | Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | — | Area Tested in 2016 |
| ➡ ① | Photographic View | — | Areas of Slope >12% |
| --- | 2018 APE | | |





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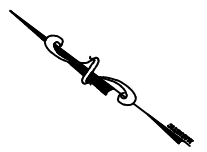
Figure 3.16: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'

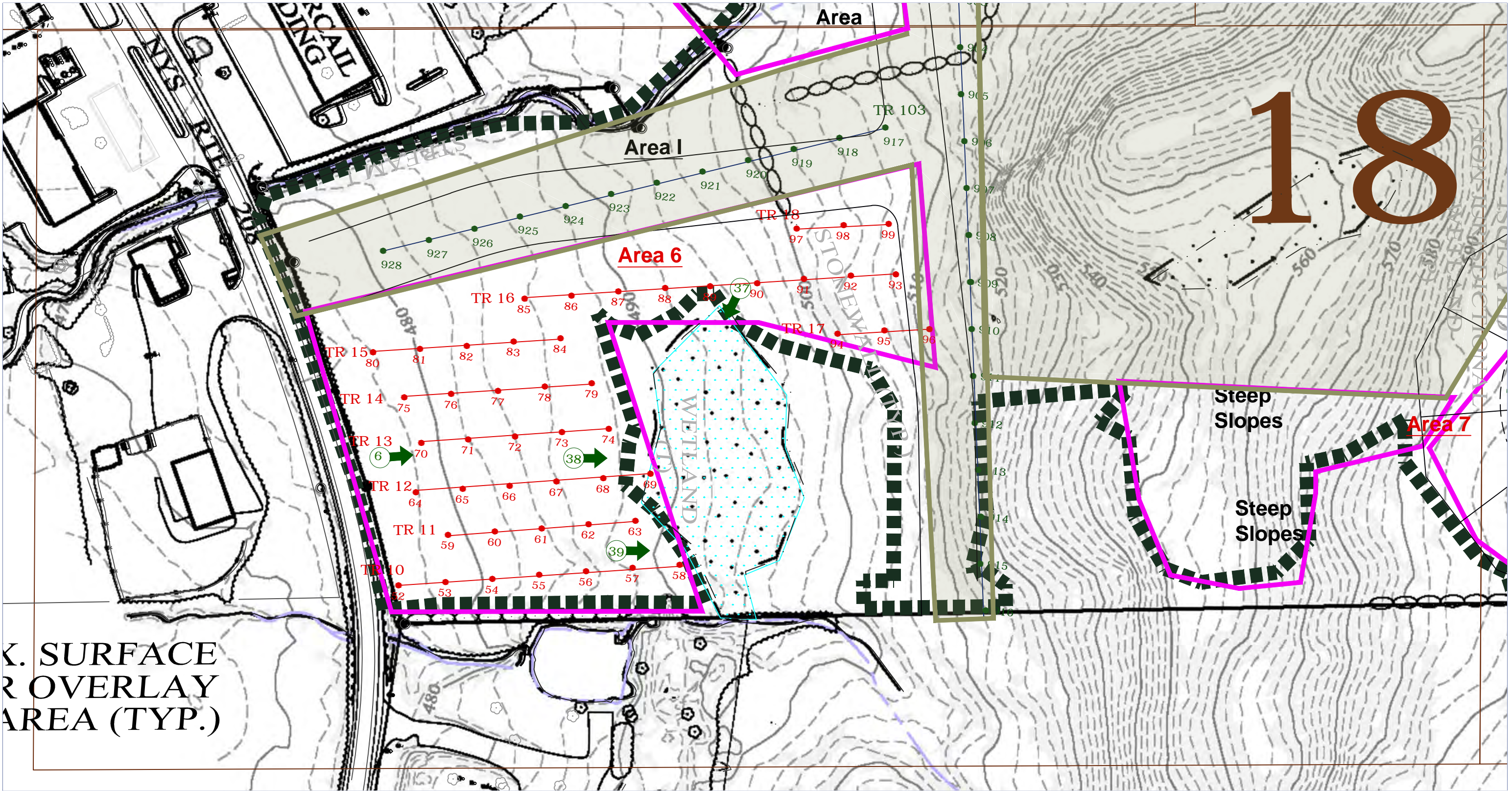


Sterile Shovel Test Location
Precontact Positive Shovel Test
Historic Positive Shovel Test
Photographic View
2018 APE

LEGEND

Supplemental 1B Areas
Areas of Standing Water or Wetland
Area Tested in 2016
Areas of Slope >12%



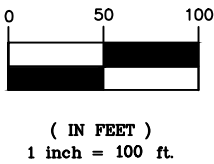


K. SURFACE
R OVERLAY
AREA (TYP.)

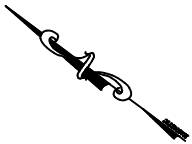


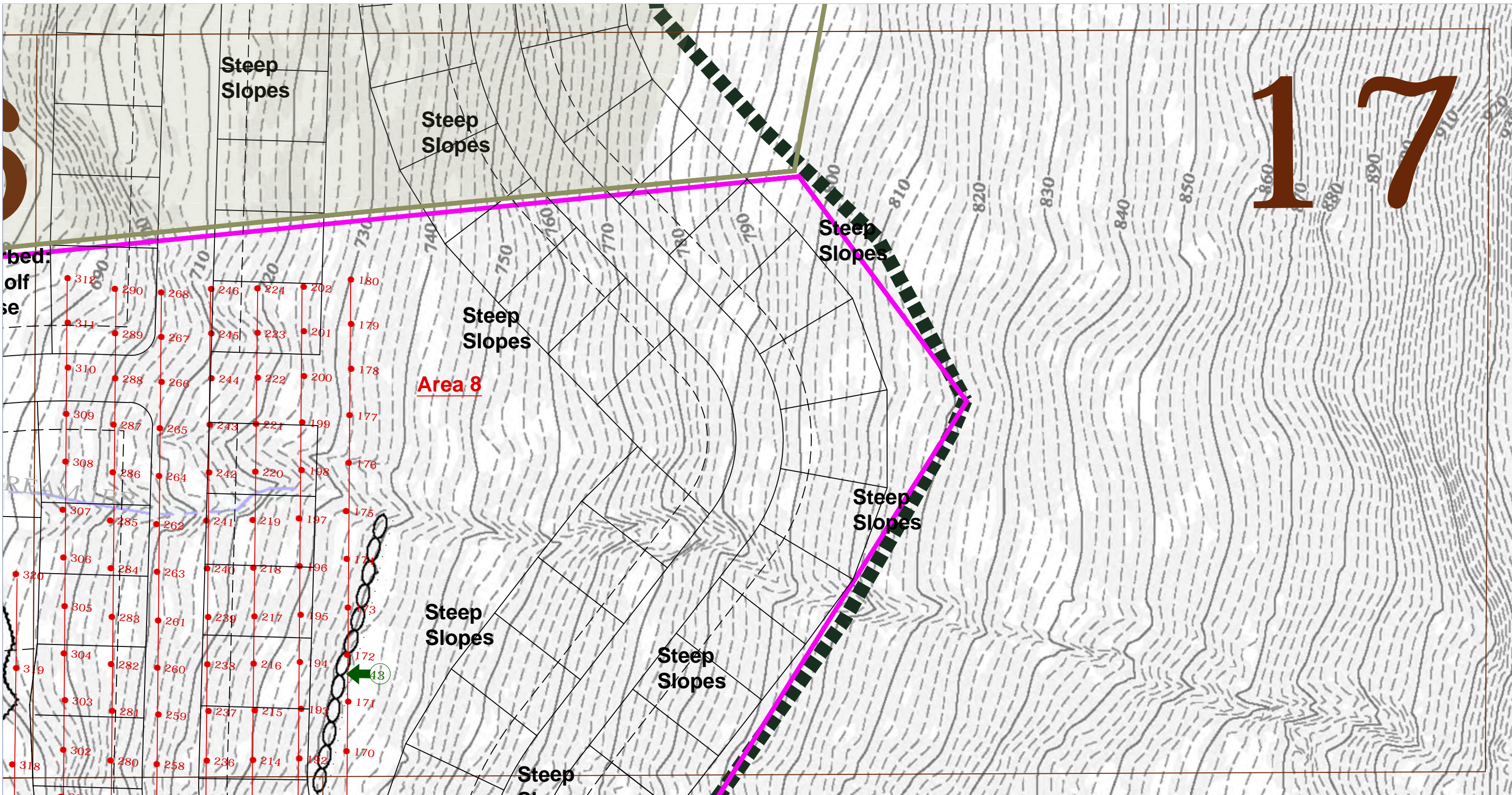
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Figure 3.18: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



● ST	Sterile Shovel Test Location	— Supplemental 1B Areas
▲ ST	Precontact Positive Shovel Test	Areas of Standing Water or Wetland
■ ST	Historic Positive Shovel Test	Area Tested in 2016
➡ 1	Photographic View	Areas of Slope >12%
---	2018 APE	

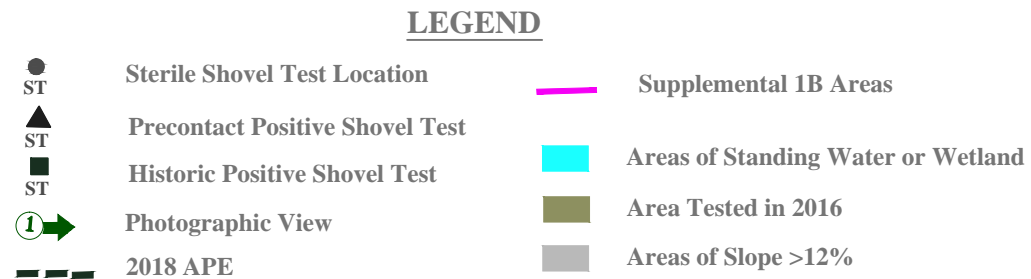
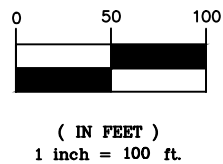




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Figure 3.17: Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'



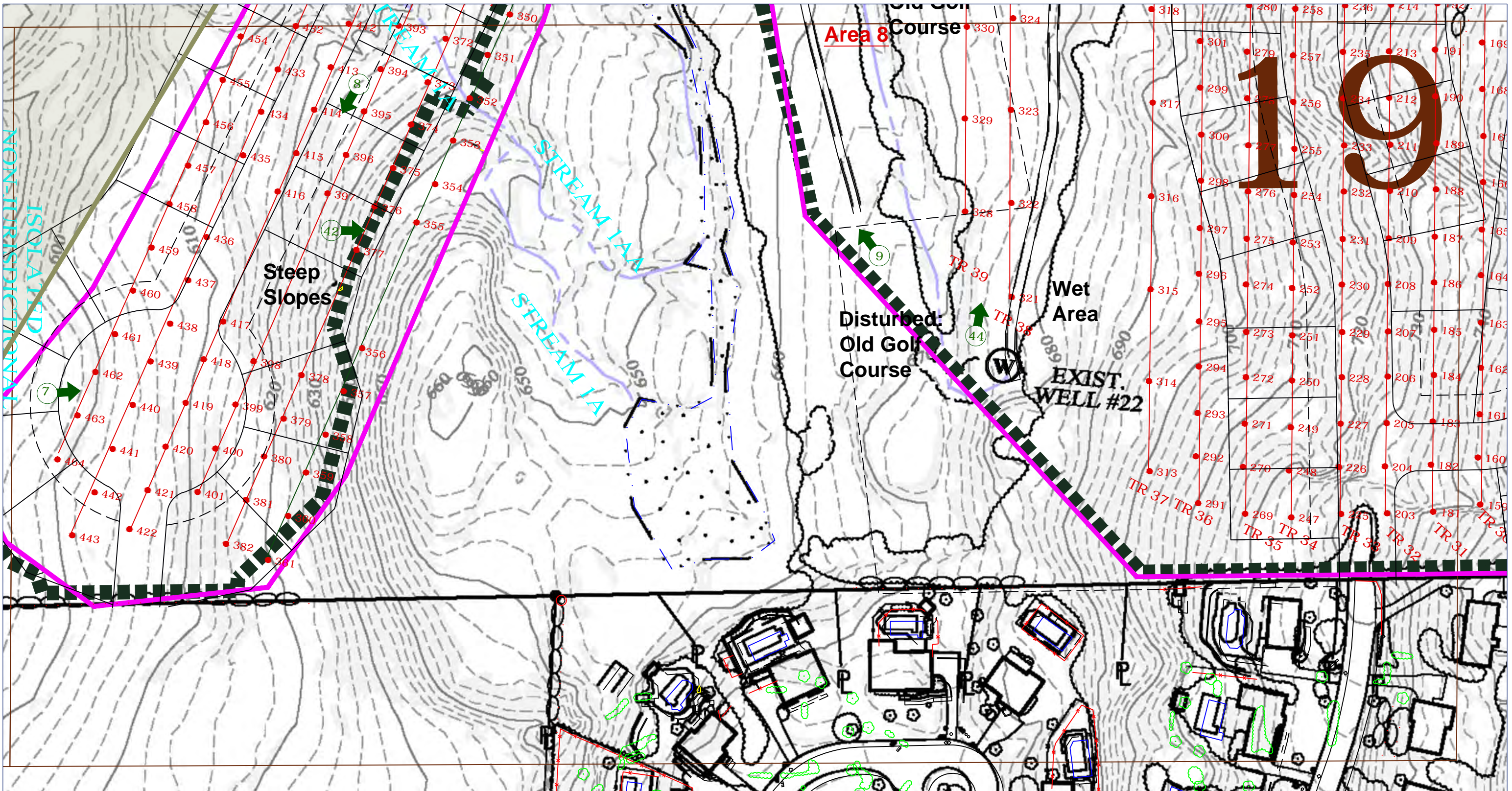
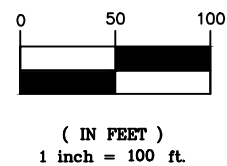


Figure 3.19: Clovewood Site 2018 APE
 Supplemental Phase 1B Field Reconnaissance Map
 Scale 1" = 100'



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| ● ST | Sterile Shovel Test Location | — | Supplemental 1B Areas |
| ▲ ST | Precontact Positive Shovel Test | — | Areas of Standing Water or Wetland |
| ■ ST | Historic Positive Shovel Test | — | Area Tested in 2016 |
| ➡ ① | Photographic View | — | Areas of Slope >12% |
| - - - | 2018 APE | | |

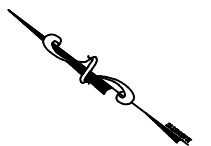












Figure 3.20 : Schunemunk Prehistoric Site
Clovewood Site 2018 APE
Supplemental Phase 1B Field Reconnaissance Map
Scale 1" = 100'

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|  | Sterile Shovel Test Location |  | Supplemental 1B Areas |
|  | Precontact Positive Shovel Test |  | 2018 APE |
|  | Historic Positive Shovel Test |  | Areas of Standing Water or Wetland |
|  | Precontact Surface Find |  | Areas Tested in 2016 |
|  | Photographic View |  | Areas of Slope >12% |

APPENDIX B: ADDITIONAL PHOTOGRAPHS

LIST OF PHOTOGRAPHS

- Photo 18: View of the ridge line located to the south of the Schunemunk Precontact Site. View to the south.
- Photo 19: An existing road crosses through the Schunemunk Precontact Site. A water line is proposed adjacent to this road. View to the south.
- Photo 20: The roadway through the Schunemunk Precontact site has been bulldozed, and the soils have pushed to either side of the road. View to the southeast.
- Photo 21: Foundation 2 (F2) is located on the northern side of the M. H. Howell Farm Complex. A non-diagnostic projectile point was recovered on the northwestern corner of the foundation. View to the north.
- Photo 22: Some wall sections of the M. H. Howell Farmhouse are still standing. View to the southeast of the southeastern wall.
- Photo 23: Ceramic pipes are located within the mortared stone wall of the farmhouse foundation. View to the south.
- Photo 24: A stone patio or walkway is located on the northeastern side of the farmhouse. View to the northeast.
- Photo 25: Foundation 4 is a long rectangular barn foundation, located to the south of the Farmhouse and adjacent to the existing road through the complex. View to the northeast.
- Photo 26: An existing farm road traverses the M. H. Howell Farm Complex. View to the northeast. Foundation 4 is located to the left in the photo.
- Photo 27: A second barn foundation is located to the south of Foundation 4 and the existing road. View to the northeast.
- Photo 28: A road follows the steep slopes in the northern portion of Area 1. View to the southeast.
- Photo 29: Archaeologist Dylan Lewis stands on the steep slopes in the eastern portion of Area 2. View to the southeast.
- Photo 30: Area 3 is located on gentle slopes. View to the northeast of TR 7.
- Photo 31: Area 4 is a mix of level surfaces bordered by steep slopes. View to the northeast along TR 3.
- Photo 32: Area 5 is located in the western portion of the parcel, east of a plaza that fronts on NYS 2018. View to the west.
- Photo 33: Area 5 is crossed by small drainages. View to the northeast.
- Photo 34: A large area of the southwestern portion of the site was mined out in the 1960's through 1970's. (Personal Communication Charles Bailey 11/7/2018). View to the northeast.
- Photo 35: Mr. Bailey stated that the soil and gravel that was dug out of this portion of the site was used for the roads through the property and for the golf course. View to the northeast of the landscape east of Area 5.

- Photo 36: Piles of concrete and other debris are located within Area 5, a short distance northeast of the plaza parking lot. View to the east.
- Photo 37: A large pond is located to the southwest of Area 6, and is bordered by a stone wall. Transects 10 through 15 terminated at the stone wall. View to the southwest.
- Photo 38: Areas of surface water and sodden soils were encountered in Area 6. View to the east.
- Photo 39: A small area of ponded water is located in the northern portion of Area 6, and has been flagged. View to the northeast.
- Photo 40: Steep slopes and a boulder strewn ground surface characterize Area 7. View to the south.
- Photo 41: A steep ravine that includes a small stream is located to the north of Area 7 and Area 8. View to the northeast.
- Photo 42: Steep slopes border the southeastern boundary of Area 7. View to the east.
- Photo 43: A substantial stone wall bisects Area 8. The stone wall is oriented southwest to northeast, and is located to the west of steep slopes. View to the west.
- Photo 44: Two fairways from the former Lake Ann Golf Course are located in Area 8. View to the northeast.
- Photo 45: An existing gravel road leads to Well #20 in Area 9. View to the southeast.
- Photo 46: Steep slopes border Area 10 to the north, south and southeast. View to the northeast.
- Photo 47: A small stream flows through the western portion of Area 10. View to the southwest.
- Photo 48: The stream or drainage channel flows northwest through Area 9 and Area 10. View to the southeast.
- Photo 49: View to the west of the N. W. Howell house as it appeared in July 2016.
- Photo 50: The N. W. Howell house burned to the ground in the summer of 2017. View to the north.
- Photo 51: The wooden superstructure of the N. W. Howell house is no longer extant, and only the mortared stone foundation and brick chimney remain. View to the east.



Photo 18: View of the ridge line located to the south of the Schunemunk Precontact Site. View to the south.



Photo 19: An existing road crosses through the Schunemunk Precontact Site. A water line is proposed adjacent to this road. View to the south.



Photo 20: The roadway through the Schunemunk Precontact site has been bulldozed, and the soils have pushed to either side of the road. View to the southeast.



Photo 21: Foundation 2 (F2) is located on the northern side of the M. H. Howell Farm Complex. A non-diagnostic projectile point was recovered on the northwestern corner of the foundation. View to the north.



Photo 22: Some wall sections of the M. H. Howell Farmhouse are still standing. View to the southeast of the southeastern wall.



Photo 23: Ceramic pipes are located within the mortared stone wall of the farmhouse foundation. View to the south.



Photo 24: A stone patio or walkway is located on the northeastern side of the farmhouse. View to the northeast.



Photo 25: Foundation 4 is a long rectangular barn foundation, located to the south of the Farmhouse and adjacent to the existing road through the complex. View to the northeast.



Photo 26: An existing farm road traverses the M. H. Howell Farm Complex. View to the northeast. Foundation 4 is located to the left in the photo.



Photo 27: A second barn foundation is located to the south of Foundation 4 and the existing road. View to the northeast.



Photo 28: A road follows the steep slopes in the northern portion of Area 1. View to the southeast.

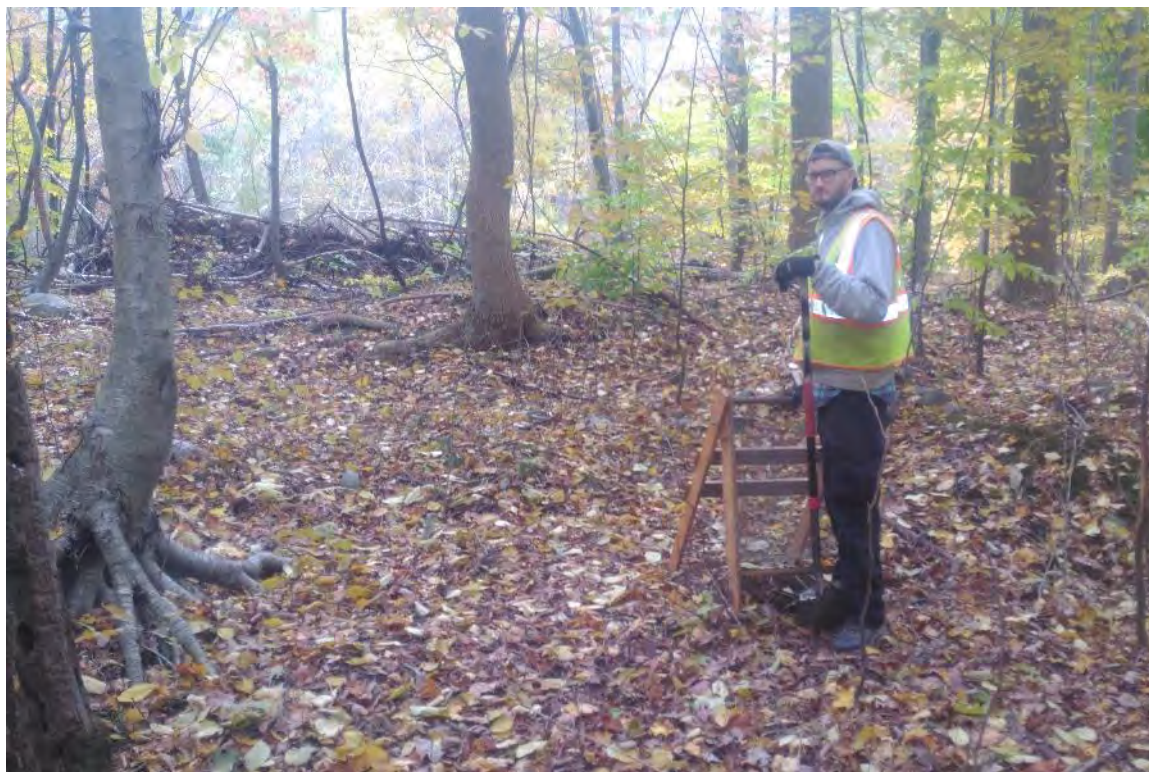


Photo 29: Archaeologist Dylan Lewis stands on the steep slopes in the eastern portion of Area 2. View to the southeast.



Photo 30: Area 3 is located on gentle slopes. View to the northeast of TR 7.



Photo 31: Area 4 is a mix of level surfaces bordered by steep slopes. View to the northeast along TR 3.



Photo 32: Area 5 is located in the western portion of the parcel, east of a plaza that fronts on NYS 2018. View to the west.



Photo 33: Area 5 is crossed by small drainages. View to the northeast.



Photo 34: A large area of the southwestern portion of the site was mined out in the 1960's through 1970's. (Personal Communication Charles Bailey 11/7/2018). View to the northeast.



Photo 35: Mr. Bailey stated that the soil and gravel that was dug out of this portion of the site was used for the roads through the property and for the golf course. View to the northeast of the landscape east of Area 5.



Photo 36: Piles of concrete and other debris are located within Area 5, a short distance northeast of the plaza parking lot. View to the east.



Photo 37: A large pond is located to the southwest of Area 6, and is bordered by a stone wall. Transects 10 through 15 terminated at the stone wall. View to the southwest.



Photo 38: Areas of surface water and sodden soils were encountered in Area 6. View to the east.



Photo 39: A small area of ponded water is located in the northern portion of Area 6, and has been flagged. View to the northeast.



Photo 40: Steep slopes and a boulder strewn ground surface characterize Area 7. View to the south.



Photo 41: A steep ravine that includes a small stream is located to the north of Area 7 and Area 8. View to the northeast.



Photo 42: Steep slopes border the southeastern boundary of Area 7. View to the east.



Photo 43: A substantial stone wall bisects Area 8. The stone wall is oriented southwest to northeast, and is located to the west of steep slopes. View to the west.



Photo 44: Two fairways from the former Lake Ann Golf Course are located in Area 8. View to the northeast.



Photo 45: An existing gravel road leads to Well #20 in Area 9. View to the southeast.



Photo 46: Steep slopes border Area 10 to the north, south and southeast. View to the northeast.



Photo 47: A small stream flows through the western portion of Area 10. View to the southwest.



Photo 48: The stream or drainage channel flows northwest through Area 9 and Area 10. View to the southeast.



Photo 49: View to the west of the N. W. Howell house as it appeared in July 2016.



Photo 50: The N. W. Howell house burned to the ground in the summer of 2017. View to the north.



Photo 51: The wooden superstructure of the N. W. Howell house is no longer extant, and only the mortared stone foundation and brick chimney remain. View to the east.

APPENDIX C: SHOVEL TEST RECORDS

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 1	1	1	0-3	0-7	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
	2	1	0-5	0-12	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
	3	1	0-7	0-19	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
	4	1	0-3	0-8	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
TR 2	5					Not Excavated: Large rock pile	
	6	1	0-5	0-12	10YR3/2	Very dark gray brown silty loam	NCM
		2	5-13	12-33	10YR5/2	Gray brown silt, terminated at rock impasse	NCM
	7	1	0-11	0-29	10YR3/2	Very dark gray brown silty loam, terminated at rock impasse	NCM
	8	1	0-12	0-30	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
	9	1	0-1	0-3	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
	10	1	0-9	0-24	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
	11	1	0-3	0-7	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
TR 3	12	1	0-6	0-16	10YR2/2	Very dark brown loam with cobbles, terminated at rock impasse	NCM
	13	1	0-2	0-5	10YR2/2	Very dark brown loam	NCM
		2	2-7	5-19	10YR4/2	Dark gray brown silt, terminated at rock impasse	NCM
	14	1	0-2	0-6	10YR2/2	Very dark brown loam	NCM
		2	2-9	6-22	10YR4/2	Dark gray brown silt, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	15	1	0-7	0-18	10YR4/2	Dark gray brown silt, terminated at rock impasse	NCM
	16	1	0-7	0-19	10YR4/2	Dark gray brown silt, terminated at rock impasse	NCM
	17	1	0-4	0-10	10YR7/1	Light gray silt muck, terminated at rock impasse	NCM
	18	1	0-3	0-7	10YR4/2	Dark gray brown silt, terminated at rock impasse	NCM
TR 4	19	1	0-3	0-7	10YR3/2	Very dark gray brown silt, terminated at rock impasse	NCM
	20	1	0-8	0-20	10YR2/2	Very dark brown muck, terminated at pooling water	NCM
	21	1	0-6	0-16	10YR3/2	Very dark gray brown muck, terminated at pooling water	NCM
	22	1	0-4	0-10	10YR4/2	Dark gray brown silty loam, terminated at root impasse	NCM
	23	1	0-5	0-13	10YR4/2	Dark gray brown silty loam, terminated at rock impasse	NCM
TR 5	24	1	0-9	0-23	10YR5/2	Gray brown silty loam with gravel and cobbles	NCM
		2	9-12	23-30	10YR6/4	Light yellow brown silty clay with gravel and cobbles, terminated at rock impasse	NCM
	25	1	0-7	0-19	10YR4/3	Brown silty loam with gravel and cobbles	NCM
		2	7-12	19-30	10YR6/4	Light yellow brown silty clay with gravel and cobbles	NCM
	26	1				Not Excavated: Slope > 15%	
	27	1	0-7	0-17	10YR4/3	Brown silty loam with gravel and cobbles	NCM
		2	7-12	17-30	10YR6/4	Light yellow brown silty clay with gravel and cobbles	NCM
	28	1	0-5	0-13	10YR6/2	Light yellow brown silty loam (wet)	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	5-8	13-20	10YR6/8	Brown yellow silty clay wet soils, terminated at pooling water	NCM
TR 6	29	1	0-6	0-15	10YR5/2	Gray brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	30	1				Not Excavated: Large rock pile	NCM
	31	1				Not Excavated: Slope > 15%	NCM
	32	1	0-8	0-20	10YR5/2	Gray brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	33	1	0-7	0-18	10YR5/2	Gray brown silty loam with channery, terminated at rock impasse	NCM
	34	1	0-11	0-28	10YR5/2	Gray brown silty loam with channery (wet), terminated at rock impasse	NCM
TR 7	35	1				Not Excavated: Slope > 15%	
	36	1				Not Excavated: Slope > 15%	
	37	1	0-6	0-15	10YR3/3	Dark brown silty loam	NCM
		2	6-10	15-25	10YR5/4	Yellow brown silt	NCM
	38	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM
		2	8-12	20-30	10YR5/4	Yellow brown silt	NCM
	39	1	0-8	0-20	10YR4/2	Dark gray brown silt (wet), terminated at rock impasse	NCM
TR 8	40	1	0-8	0-20	10YR5/2	Gray brown silty loam with cobbles	NCM
		2	8-12	20-30	10YR6/4	Light yellow brown silty clay with cobbles	NCM
	41	1	0-11	0-28	10YR5/2	Gray brown silty loam with cobbles, terminated at root impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	42	1	0-9	0-23	10YR5/2	Gray brown silty loam	NCM
		2	9-13	23-34	10YR6/4	Light yellow brown silty clay with cobbles	NCM
	43	1				Not Excavated: Slope > 15%	
	44	1	0-10	0-26	10YR5/2	Gray brown silty loam with gravel	NCM
		2	10-16	26-40	10YR6/4	Light yellow brown silty clay with cobbles (wet)	NCM
TR 9	45	1	0-7	0-18	10YR4/2	Dark gray brown silt	NCM
		2	7-9	18-23	10YR7/3	Very pale brown silt (wet)	NCM
	46	1				Not Excavated: Rock Wall	
	47	1	0-5	0-12	10YR2/1	Black wet mucky silt, terminated in pooling water	NCM
	48	1				Not Excavated: Slope > 15%	
	49	1	0-10	0-26	10YR3/3	Dark brown silty loam	NCM
		2	10-14	26-36	10YR5/4	Yellow brown silt	NCM
	50	1	0-1	0-3	10YR3/2	Very dark gray brown silt, terminated at rock impasse	NCM
	51	1	0-8	0-20	10YR4/2	Dark gray brown silt, terminated at rock impasse	NCM
TR 10	52	1	0-13	0-33	10YR4/3	Brown silty loam with gravel, terminated at rock impasse	NCM
	53	1	0-6	0-16	10YR4/3	Brown silty loam with gravel, terminated at root impasse	NCM
	54	1	0-10	0-25	10YR4/3	Brown silty loam, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	55	1	0-9	0-22	10YR4/3	Brown silty loam with gravel, terminated at root impasse	NCM
	56	1	0-9	0-23	10YR5/2	Gray brown silty loam, wet soils	NCM
		2	9-14	23-35	10YR6/8	Brown yellow silty clay wet soils	NCM
	57	1	0-8	0-20	10YR5/2	Gray brown silty loam wet soils	NCM
		2	8-12	20-30	10YR6/8	Brown yellow silty clay wet soils, terminated in pooling water	NCM
	58	1				Not Excavated: Saturated soils	
TR 11	59	1	0-12	0-30	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM
		2	12-16	30-41	10YR5/3	Brown silty clay with gravel	NCM
	60	1	0-8	0-20	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM
		2	8-14	20-35	10YR5/4	Yellow brown silty clay with gravel	NCM
	61	1	0-7	0-18	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock and root impasse	NCM
	62	1	0-10	0-26	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	10-15	26-39	10YR6/6	Brown yellow silty clay	NCM
	63	1	0-8	0-21	10YR4/2	Dark gray brown silty loam with gravel wet soils	NCM
		2	8-15	21-35	10YR6/8	Brown yellow silty clay (wet)	NCM
TR 12	64	1	0-13	0-34	10YR3/3	Dark brown silty loam with rocks and gravel, terminated at rock impasse	NCM
	65	1	0-15	0-38	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	66	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	67	1	0-12	0-30	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	68	1	0-4	0-11	10YR3/3	Dark brown silty loam, terminated at root impasse	NCM
	69	1				Not Excavated: Surface Water	
TR 13	70	1	0-9	0-24	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	9-13	24-34	10YR5/4	Yellow brown silty clay with cobbles	NCM
	71	1	0-10	0-26	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	10-16	26-40	10YR5/4	Yellow brown silty clay with cobbles	NCM
	72	1	0-11	0-28	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	11-16	28-40	10YR5/4	Yellow brown silty clay with cobbles	NCM
	73	1	0-10	0-26	10YR3/3	Dark brown silty loam with gravel and cobbles (damp)	NCM
		2	10-12	26-30	10YR5/4	Yellow brown silty clay with cobbles (damp), terminated at rock impasse	NCM
	74	1	0-6	0-15	10YR5/2	Gray brown silty loam, terminated at pooling water	NCM
TR 14	75	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	9-14	23-35	10YR5/4	Yellow brown silty clay with gravel and cobbles	NCM
	76	1	0-12	0-30	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	77	1	0-6	0-16	10YR4/3	Brown silty loam with gravel and cobbles	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-11	16-27	10YR2/2	Very dark brown silty clay with gravel	NCM
		3	11-16	27-40	10YR6/2	Light yellow brown silty clay	NCM
	78	1	0-11	0-27	10YR3/1	Very dark gray silty loam with gravel and cobbles	NCM
		2	11-15	27-39	10YR6/2	Light yellow brown silty clay	NCM
	79	1	0-7	0-19	10YR3/1	Very dark gray silty loam with gravel and cobbles	NCM
		2	7-14	19-35	10YR6/2	Light yellow brown silty clay with gravel	NCM
TR 15	80	1	0-10	0-25	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	81	1	0-11	0-27	10YR3/3	Dark brown silty loam with rocks and gravel, terminated at rock impasse	NCM
	82	1	0-13	0-32	10YR2/2	Very dark brown silty loam with rocks and gravel, terminated at rock impasse	NCM
	83	1	0-7	0-17	10YR2/2	Very dark brown silty loam wet soils, terminated at rock impasse	NCM
	84	1	0-2	0-5	10YR2/2	Very dark brown silty loam wet soils, terminated at pooling water	NCM
TR 16	85	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam with gravel	NCM
		2	9-14	23-35	10YR5/4	Yellow brown silty clay	NCM
	86		0-6	0-15	10YR4/2	Dark gray brown silty loam, terminated in pooling water	NCM
	87	1	0-8	0-21	10YR5/2	Gray brown very silty loam wet soils	NCM
		2	8-12	21-30	10YR6/8	Brown yellow silty clay, terminated at rock impasse	NCM
	88	1	0-9	0-24	10YR4/3	Brown very silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	9-15	24-39	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM
	89	1	0-9	0-22	10YR5/2	Gray brown silty loam, terminated at pooling water	NCM
		2	9-10	22-25	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM
	90	1	0-4	0-10	10YR5/2	Gray brown silty loam terminated at pooling water	NCM
	91	1	0-6	0-16	10YR4/2	Dark gray brown silty loam with gravel	NCM
		2	6-12	16-30	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM
	92	1	0-7	0-19	10YR4/2	Dark gray brown silty loam with gravel, terminated at pooling water	NCM
		2	7-11	19-27	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM
	93	1	0-9	0-23	10YR4/2	Dark gray brown silty loam with gravel, terminated at pooling water	NCM
		2	9-12	23-30	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM
TR 17	94	1	0-8	0-21	10YR5/2	Gray brown silty loam with gravel and cobbles, terminated at pooling water	NCM
		2	8-10	21-25	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM
	95	1	0-7	0-17	10YR5/2	Gray brown silty loam with gravel and cobbles, terminated at pooling water	NCM
	96	1	0-9	0-23	10YR5/2	Gray brown silty loam with gravel and cobbles	NCM
		2	9-14	23-35	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM
TR 18	97	1	0-7	0-17	10YR4/2	Dark gray brown silty loam with gravel, terminated at pooling water	NCM
		2	7-10	17-25	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	98	1	0-7	0-19	10YR4/2	Dark gray brown silty loam with gravel	NCM
		2	7-11	19-28	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay, terminated at rock impasse	NCM
	99	1	0-8	0-20	10YR4/2	Dark gray brown silty loam with gravel	NCM
		2	8-12	20-31	10YR6/2 & 10YR6/8	Light yellow brown and brown yellow silty clay	NCM
TR 19	100	1	0-9	0-22	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	101	1	0-1	0-2	10YR2/2	Very dark brown silty loam, terminated at root impasse	NCM
	102	1	0-3	0-8	10YR3/3	Dark Brown silt loam	NCM
		2	3-8	8-20	10YR5/6	Dark yellowish brown silty clay	NCM
	103	1	0-1.5	0-3	10YR3/3	Dark Brown silt loam	NCM
		2	1-9	3-22	10YR5/6	Dark yellowish brown silty clay	NCM
	104	1	0-4	0-10	10YR3/3	Dark Brown silt loam	NCM
		2	4-10	10-25	10YR5/6	Dark yellowish brown silty clay	NCM
	105	1	0-7	0-11	10YR3/3	Dark Brown silt loam	NCM
		2	8-Apr	1-21	10YR5/6	Dark yellowish brown silty clay	NCM
TR 20	106	1				Not Excavated: Large pile of concrete and asphalt	
	107	1	0-12	0-3	10YR2/2	Very dark grayish brown muck, terminated at pooling water	
	108	1				Not Excavated: Mined Area	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	109	1				Not Excavated: Surface Water	
	110	1	0-3	0-6	10YR3/3	Dark Brown silt loam	NCM
		2	2-18	6-46	10YR5/6	Dark yellowish brown silty clay	NCM
TR 21	111	1	0-11	0-28	10YR2/2	Very dark brown silty loam, with gravel and cobbles, terminated at rock impasse	NCM
	112	1	0-1	0-3	10YR3/3	Dark brown silty loam, terminated at root impasse	NCM
	113	1	0-9	0-22	10YR3/3	Dark Brown silt loam	NCM
		2	9-13	22-32	10YR5/6	Dark yellowish brown silty clay	NCM
	114	1	0-7	0-16	10YR3/3	Dark Brown silt loam	NCM
		2	6-10	16-26	10YR5/6	Dark yellowish brown silty clay	NCM
	115	1	0-5	0-12	10YR3/3	Dark Brown silt loam	NCM
		2	5-10	12-25	10YR5/6	Dark yellowish brown silty clay	NCM
	116	1	0-6	0-13	10YR2/2	Very dark grayish brown muck, terminated at pooling water	NCM
	117	1	0-7	0-16	10YR2/2	Very dark grayish brown muck, terminated at pooling water	NCM
	118	1				Not Excavated: Graded roadway	
TR 22	119	1	0-3	0-7	10YR3/3	Dark Brown silt loam	NCM
		2	3-7	7-18	10YR5/6	Dark yellowish brown silty clay	NCM
	120	1	0-4	0-9	10YR3/3	Dark Brown silt loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	4-6	9-15	10YR5/6	Dark yellowish brown silty clay	NCM
	121	1	0-3	0-8	10YR3/3	Dark Brown silt loam	NCM
		2	3-8	8-19	10YR5/6	Dark yellowish brown silty clay	NCM
	122	1	0-6	0-15	10YR3/3	Dark Brown silt loam, terminated at pooling water	NCM
	123	1				Not Excavated: Graded roadway	
	124	1	0-7	0-16	10YR3/3	Dark Brown silt loam	NCM
		2	6-10	16-26	10YR5/6	Dark yellowish brown silty clay	NCM
	125	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	9-15	23-37	10YR5/6	Yellow brown silty loam with gravel and cobbles	NCM
TR 23	126	1	0-3	0-8	10YR3/3	Dark Brown silt loam	NCM
		2	3-5	8-14	10YR5/6	Dark yellowish brown silty clay	NCM
	127	1	0-6	0-15	10YR3/3	Dark Brown silt loam	NCM
		2	5-10	15-25	10YR5/6	Dark yellowish brown silty clay	NCM
	128	1	0-9	0-23	10YR3/3	Dark Brown silt loam, terminated at pooling water	NCM
	129	1				Not Excavated: Graded roadway	
	130	1				Not Excavated: Graded roadway	
	131	1				Not Excavated: Slope > 15%	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 24	132	1	0-6	0-13	10YR3/3	Dark Brown silt loam	NCM
		2	5-9	13-23	10YR5/6	Dark yellowish brown silty clay	NCM
	133	1				Not Excavated: Graded roadway	
	134	1				Not Excavated: Graded roadway	
	135	1				Not Excavated: Slope > 15%	
	136	1				Not Excavated: Slope > 15%	
	137	1				Not Excavated: Slope > 15%	
TR 25	138	1	-08	0-21	10YR3/3	Dark Brown silt loam	NCM
		2	8-12	21-31	10YR5/6	Dark yellowish brown silty clay	NCM
	139	1				Not Excavated: Slope > 15%	
	140	1				Not Excavated: Slope > 15%	
	141	1				Not Excavated: Slope > 15%	
	142	1				Not Excavated: Slope > 15%	
	143	1	0-1.5	0-3	10YR2/2	Very dark grayish brown silt loam terminated at rock obstruction	NCM
TR 26	144	1	0-12	0-31	10YR3/3	Dark Brown silt loam, terminated at pooling water	NCM
	145	1	0-6	0-15	10YR2/2	Very dark grayish brown silt loam terminated at rock obstruction	NCM
	146	1				Not Excavated: Mined Area	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	147	1				Not Excavated: Slope > 15%	
	148	1				Not Excavated: Slope > 15%	
	149	1	0-1.5	0-3	10YR2/2	Very dark grayish brown silt loam terminated at rock obstruction	NCM
TR 27	150	1				Not Excavated: Sodden & Saturated Soils	
	151	1				Not Excavated: Sodden & Saturated Soils	
	152	1				Not Excavated: Mined Area	
TR 28	153	1	0-8	0-21	10YR3/3	Dark Brown silt loam, terminated at pooling water	NCM
	154	1	8-12	21-31	10YR3/3	Dark Brown silt loam, terminated at pooling water	NCM
	155	1				Not Excavated: Mined Area	
TR 29	156	1	0-9	0-23	10YR3/3	Dark Brown silt loam	NCM
		1	9-14	23-36	10YR5/6	Dark yellowish brown silty clay	NCM
	157	1				Not Excavated: Mined Area	
	158	1				Not Excavated: Mined Area	
TR 30	159	1	0-6	0-14	10YR4/3	Brown silty loam with cobbles	NCM
		2	6-10	14-26	10YR6/4	Light yellow brown silty clay with cobbles	NCM
	160	1	0-5	0-12	10YR4/3	Brown silty loam with cobbles, terminated at rock impasse	NCM
	161	1				Not Excavated: Slope > 15%	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	162	1				Not Excavated: Slope > 15%	
	163	1	0-7	0-19	10YR4/3	Brown silty loam with cobbles	NCM
		2	7-9	19-23	10YR6/4	Light yellow brown silty clay with cobbles	NCM
	164	1				Not Excavated: Slope > 15%	
	165	1				Not Excavated: Slope > 15%	
	166	1	0-7	0-17	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	167	1				Not Excavated: Slope > 15%	
	168	1				Not Excavated: Slope > 15%	
	169	1	0-3	0-7	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	170	1	0-7	0-17	10YR4/3	Brown silty loam with cobbles	NCM
		2	7-12	17-30	10YR6/4	Light yellow silty clay	NCM
	171	1	0-6	0-14	10YR4/3	Brown silty loam with cobbles	NCM
		2	6-9	14-24	10YR6/4	Light yellow silty clay	NCM
	172	1	0-6	0-15	10YR4/3	Brown silty loam with gravel and cobbles	NCM
		2	6-10	15-26	10YR6/4	Light yellow silty clay with gravel	NCM
	173	1	0-6	0-14	10YR4/3	Brown silty loam with gravel and cobbles	NCM
		2	6-10	14-25	10YR6/4	Light yellow silty clay with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	174	1	0-7	0-19	10YR4/3	Brown silty loam with gravel and cobbles	NCM
		2	7-11	19-29	10YR6/4	Light yellow silty clay with gravel	NCM
	175	1	0-7	0-17	10YR4/3	Brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	176	1	0-9	0-22	10YR4/3	Brown silty loam with gravel and cobbles	NCM
		2	9-13	22-34	10YR6/4	Light yellow silty clay with gravel	NCM
	177	1	0-5	0-13	10YR4/3	Brown silty loam with cobbles, terminated at rock impasse	NCM
	178	1	0-4	0-11	10YR4/3	Brown silty loam with cobbles, terminated at rock impasse	NCM
	179	1	0-8	0-21	10YR4/3	Brown silty loam with cobbles	NCM
		2	8-12	21-31	10YR6/4	Light yellow silty clay with gravel	NCM
	180	1	0-7	0-18	10YR4/3	Brown silty loam with cobbles	NCM
		2	7-12	18-30	10YR6/4	Light yellow silty clay with gravel	NCM
TR 31	181	1	0-7	0-19	10YR3/3	Dark brown silty loam with cobbles and channery, terminated at rock impasse	NCM
	182	1	0-8	0-21	10YR3/4	Dark yellow brown silty loam with gravel	NCM
		2	8-17	21-43	10YR5/6	Yellow brown silty loam with gravel	NCM
	183	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam with gravel	NCM
		2	9-13	23-34	10YR5/6	Yellow brown silty loam with gravel	NCM
	184	1				Not Excavated: Large rock pile	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	185	1				Not Excavated: Slope > 15%	
	186	1	0-8	0-21	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	8-12	21-31	10YR5/6	Yellow brown silty loam with gravel and cobbles	NCM
	187	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	9-14	23-35	10YR5/6	Yellow brown silty loam with gravel and cobbles	NCM
	188	1				Not Excavated: Slope > 15%	
	189	1	0-10	0-26	10YR4/3	Brown silty loam with gravel	NCM
		2	10-15	26-37	10YR5/6	Yellow brown silty loam with gravel	NCM
	190	1	0-9	0-22	10YR4/3	Brown silty loam with gravel	NCM
		2	9-14	22-35	10YR6/4	Light yellow brown silty clay with gravel	NCM
	191	1	0-7	0-17	10YR4/3	Brown silty loam with gravel, terminated at rock impasse	NCM
	192	1	0-10	0-25	10YR4/3	Brown silty loam with gravel	NCM
		2	10-14	25-35	10YR6/4	Light yellow brown silty clay with gravel	NCM
	193	1	0-7	0-19	10YR4/3	Brown silty loam with gravel	NCM
		2	7-12	19-30	10YR6/4	Light yellow brown silty clay with gravel	NCM
	194	1	0-7	0-19	10YR4/3	Brown silty loam with gravel	NCM
		2	7-11	19-29	10YR6/4	Light yellow brown silty clay with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	195	1	0-9	0-24	10YR4/3	Brown silty loam with gravel	NCM
		2	9-13	24-34	10YR6/4	Light yellow brown silty clay with gravel	NCM
	196	1	0-9	0-24	10YR4/3	Brown silty loam with gravel	NCM
		2	9-13	24-34	10YR6/4	Light yellow brown silty clay with gravel	NCM
	197	1	0-8	0-20	10YR4/3	Brown silty loam with gravel	NCM
		2	8-12	20-30	10YR6/4	Light yellow brown silty clay with gravel	NCM
	198	1				Not Excavated: Slope > 15%	
	199	1	0-5	0-13	10YR4/3	Brown silty loam with cobbles, terminated at rock impasse	NCM
	200	1	0-6	0-15	10YR4/3	Brown silty loam with cobbles, terminated at rock impasse	NCM
	201	1	0-7	0-19	10YR4/3	Brown silty loam with cobbles	NCM
		2	7-12	19-30	10YR6/4	Light yellow brown silty clay with gravel	NCM
	202	1	0-8	0-21	10YR4/3	Brown silty loam with cobbles	NCM
		2	8-13	21-34	10YR6/4	Light yellow brown silty clay with gravel	NCM
TR 32	203	1	0-2	0-6	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	204	1	0-13	0-33	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	205	1	0-9	0-22	10YR2/2	Very dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	206	1	0-7	0-18	10YR2/2	Very dark brown silty loam with rocks and cobbles, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	207	1	0-10	0-25	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at root impasse	NCM
	208	1	0-10	0-26	10YR3/3	Dark brown silty loam, terminated at root impasse	NCM
	209	1	0-4	0-10	10YR4/1	Dark gray silty loam, terminated at rock impasse	NCM
	210	1	0-13	0-33	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	211	1	0-12	0-30	10YR3/3	Dark brown silty loam, with gravel and cobbles	NCM
		2	12-16	30-40	10YR4/2	Dark gray brown silty loam	NCM
	212	1	0-4	0-10	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
	213	1	0-1	0-3	10YR2/2	Very dark brown silty loam, with cobbles	NCM
	214	1				Not Excavated: Exposed bedrock	
	215	1	0-1	0-3	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	216	1	0-12	0-30	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	217	1	0-2	0-5	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	218	1	0-9	0-23	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	219	1				Not Excavated: Slope > 15%	
	220	1	0-3	0-8	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	221	1				Not Excavated: Exposed bedrock	
	222	1	0-11	0-27	10YR3/2	Very dark gray brown silty loam, terminated at pooling water	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	223	1	0-4	0-10	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	224	1				Not Excavated: Exposed bedrock	
TR 33	225	1	0-4	0-11	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	226	1	0-6	0-16	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	227	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-12	21-31	10YR5/6	Yellow brown silty clay with gravel	NCM
	228	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-12	19-30	10YR5/6	Yellow brown silty clay with gravel	NCM
	229	1	0-7	0-17	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-12	17-30	10YR5/6	Yellow brown silty clay with gravel	NCM
	230	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-13	23-33	10YR5/6	Yellow brown silty clay with gravel	NCM
	231	1				Not Excavated: Slope > 15%	
	232	1				Not Excavated: Slope > 15%	
	233	1				Not Excavated: Slope > 15%	
	234	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-14	21-35	10YR5/6	Yellow brown silty clay with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	235	1	0-9	0-24	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-14	24-34	10YR5/6	Yellow brown silty clay with gravel	NCM
	236	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-14	23-36	10YR5/6	Yellow brown silty clay with gravel	NCM
	237	1	0-9	0-24	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-14	24-35	10YR5/6	Yellow brown silty clay with gravel	NCM
	238	1	0-10	0-26	10YR3/3	Dark brown silty loam with gravel	NCM
		2	10-16	26-40	10YR5/6	Yellow brown silty clay	NCM
	239	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-14	23-36	10YR5/6	Yellow brown silty clay	NCM
	240	1	0-5	0-13	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	241	1	0-11	0-28	10YR3/3	Dark brown silty loam with gravel	NCM
		2	11-16	28-40	10YR5/6	Yellow brown silty clay	NCM
	242	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-12	19-30	10YR5/6	Yellow brown silty clay	NCM
	243	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-13	21-34	10YR5/6	Yellow brown silty clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	244	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-12	19-30	10YR5/6	Yellow brown silty clay	NCM
	245	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-13	23-34	10YR5/6	Yellow brown silty clay	NCM
	246	1	0-9	0-22	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-13	22-34	10YR5/6	Yellow brown silty clay	NCM
TR 34	247	1	0-6	0-16	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	248	1	0-8	0-20	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	249	1	0-3	0-7	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	250	1	0-1	0-3	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	251	1	0-7	0-18	10YR3/3	Dark brown silty loam	NCM
		2	7-11	18-28	10YR5/6	Yellow brown silty loam with gravel	NCM
	252	1	0-9	0-22	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	253	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM
		2	8-12	20-30	10YR7/4	Very pale brown silt with gravel	NCM
	254	1				Not Excavated: Slope > 15%	
	255	1				Not Excavated: Slope > 15%	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	256	1				Not Excavated: Slope > 15%	
	257	1				Not Excavated: Slope > 15%	
	258	1	0-11	0-28	10YR3/3	Dark brown silty loam	NCM
		2	11-16	28-40	10YR7/4	Very pale brown silt with rocks	NCM
	259	1	0-13	0-32	10YR3/3	Dark brown silty loam	NCM
		2	13-18	32-46	10YR7/4	Very pale brown silt with rocks	NCM
	260	1	0-10	0-26	10YR3/3	Dark brown silty loam	NCM
		2	10-14	26-36	10YR7/4	Very pale brown silt with rocks	NCM
	261	1	0-14	0-35	10YR3/3	Dark brown silty loam	NCM
		2	14-18	35-46	10YR7/4	Very pale brown silt with rocks	NCM
	262	1	0-8	0-21	10YR3/3	Dark brown silty loam	NCM
		2	8-12	21-31	10YR7/4	Very pale brown silt with rocks	NCM
	263	1	0-2	0-4	10YR2/1	Black muck, with water and cobbles	NCM
	264	1	0-10	0-26	10YR3/3	Dark brown silty loam	NCM
		2	10-14	26-36	10YR7/4	Very pale brown silt	NCM
	265	1	0-7	0-18	10YR3/3	Dark brown silty loam	modern debris, including a car, refrigerator
		2	7-11	18-28	10YR7/4	Very pale brown silt	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	266	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM
		2	8-12	20-30	10YR7/4	Very pale brown silt	NCM
	267	1	0-9	0-22	10YR3/3	Dark brown silty loam	NCM
		2	9-13	22-32	10YR7/4	Very pale brown silt	NCM
	268	1	0-7	0-17	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
TR 35	269	1	0-4	0-11	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	270	1	0-6	0-15	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	271	1	0-7	0-18	10YR3/3	Dark brown silty loam	NCM
		2	7-12	18-30	10YR5/6	Yellow brown silty clay	NCM
	272	1	0-7	0-17	10YR3/3	Dark brown silty loam	NCM
		2	7-11	17-29	10YR5/6	Yellow brown silty clay	NCM
	273	1	0-6	0-16	10YR3/3	Dark brown silty loam with gravel	NCM
		2	6-11	16-27	10YR5/6	Yellow brown silty clay	NCM
	274	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-12	19-30	10YR5/6	Yellow brown silty clay	NCM
	275	1				Not Excavated: Slope > 15%	
	276	1				Not Excavated: Slope > 15%	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	277	1				Not Excavated: Slope > 15%	
	278	1				Not Excavated: Slope > 15%	
	279	2				Not Excavated: Slope > 15%	
	280	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-13	21-34	10YR5/6	Yellow brown silty clay	NCM
	281	1	0-10	0-26	10YR3/3	Dark brown silty loam with gravel	NCM
		2	10-15	26-39	10YR5/6	Yellow brown silty clay	NCM
	282	1	0-13	0-32	10YR3/3	Dark brown silty loam with gravel	NCM
		2	13-17	32-42	10YR5/6	Yellow brown silty clay	NCM
	283	1	0-11	0-27	10YR3/3	Dark brown silty loam with gravel	NCM
		2	11-16	27-40	10YR5/6	Yellow brown silty clay	NCM
	284	1	0-9	0-24	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-14	24-36	10YR5/6	Yellow brown silty clay	NCM
	285	1	0-11	0-28	10YR3/3	Dark brown silty loam with gravel	NCM
		2	11-16	28-41	10YR5/6	Yellow brown silty clay	NCM
	286	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-15	21-37	10YR5/6	Yellow brown silty clay	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	287	1				Not Excavated: Large debris pile	
	288	1	0-11	0-27	10YR3/3	Dark brown silty loam with gravel	NCM
		2	11-16	27-40	10YR5/6	Yellow brown silty clay with gravel	NCM
	289	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-14	23-35	10YR5/6	Yellow brown silty clay with gravel	NCM
	290	1				Not Excavated: Large debris pile	
TR 36	291	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-12	19-30	10YR5/6	Yellow brown silty clay	NCM
	292	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel	NCM
		2	9-13	23-34	10YR5/6	Yellow brown silty clay	NCM
	293	1	0-8	0-20	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-12	20-31	10YR5/6	Yellow brown silty clay	NCM
	294	1	0-10	0-26	10YR3/3	Dark brown silty loam with gravel	NCM
		2	10-14	26-36	10YR5/6	Yellow brown silty clay	NCM
	295	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-12	21-31	10YR5/6	Yellow brown silty clay	NCM
	296	1				Not Excavated: Slope > 15%	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	297	1				Not Excavated: Slope > 15%	
	298	1				Not Excavated: Slope > 15%	
	299	1	0-6	0-14	10YR3/3	Dark brown silty loam with gravel	NCM
		2	6-9	14-24	10YR5/6	Yellow brown silty clay	NCM
	300	1	0-5	0-12	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	301	1	0-5	0-13	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	302	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-11	19-29	10YR5/6	Yellow brown silty clay	NCM
	303	1	0-4	0-11	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	304	1	0-7	0-18	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-12	18-30	10YR5/6	Yellow brown silty clay	NCM
	305	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-13	21-34	10YR5/6	Yellow brown silty clay	NCM
	306	1	0-7	0-17	10YR3/3	Dark brown silty loam with gravel	NCM
		2	7-12	17-30	10YR5/6	Yellow brown silty clay	NCM
	307	1	0-6	0-14	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	308	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	8-14	21-35	10YR5/6	Yellow brown silty clay	NCM
	309	1				Not Excavated: Large debris pile	
	310	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel	NCM
		2	8-13	21-32	10YR5/6	Yellow brown silty clay	NCM
	311	1				Not Excavated: Large debris pile	
	312	1				Not Excavated: Large debris pile	
TR 37	313	1	0-9	0-23	10YR3/4 & 10YR5/6	Dark yellow brown and yellow brown silty loam with gravel and cobbles, terminated at rock impasse	Disturbance associated with the golf course
	314	1	0-4	0-9	10YR3/4	Dark yellow brown silty sand with gravel and cobbles, terminated at rock impasse	Disturbance associated with the golf course
	315	1	0-4	0-11	10YR3/4	Dark yellow brown silty sand with gravel and cobbles, terminated at rock impasse	NCM
	316	1	0-7	0-19	10YR2/2	Very dark brown silty loam with gravel, terminated at rock impasse	NCM
	317	1	0-7	0-17	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock and root impasse	Disturbance associated with the golf course
	318	1	0-20	0-50	10YR3/4 & 10YR5/6	Dark yellow brown and yellow brown silty loam with cobbles, terminated at rock impasse	Disturbance associated with the golf course
	319	1				Not Excavated: Drainage channel	
	320	1				Not Excavated: roadway associated with golf course	
TR 38	321	1	0-7	0-18	10YR3/3	Dark brown sandy silt with gravel and cobbles, terminated at rock impasse	NCM
	322	1	0-9	0-22	10YR3/3	Dark brown sandy silt with gravel and cobbles, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	323	1	0-4	0-10	10YR3/3	Dark brown sandy silt with gravel, terminated at rock impasse	NCM
	324	1	0-9	0-22	10YR3/3	Dark brown sandy silt with gravel and sand, terminated at rock impasse	NCM
	325	1	0-4	0-11	10YR3/3 & 10YR6/6	Dark brown and brown yellow sand, terminated at rock impasse	NCM
	326	1	0-2	0-6	10YR3/2	Very dark gray brown silty muck and mud, terminated at rock impasse	NCM
	327	1	0-4	0-10		Dark brown gravel no soil	NCM
TR 39	328	1	0-5	0-12	10YR3/3	Dark brown sandy silt, terminated at rock impasse	NCM
	329	1	0-12	0-30	10YR3/3	Dark brown sandy silt, terminated at rock impasse	NCM
	330	1	0-9	0-22	10YR3/3	Dark brown sandy silt	possible charcoal, no samples taken
		2	9-15	22-37	10YR6/4	Light yellow brown sandy silt	NCM
	331	1	0-13	0-32	10YR3/3	Dark brown sandy silt, terminated at rock impasse	NCM
	332	1				Not Excavated: Slope > 15%	
	333	1				Not Excavated: Slope > 15%	
	334	1				Not Excavated: Slope > 15%	
TR 40	335	1	0-4	0-11	10YR3/3	Dark brown silty sand with gravel, terminated at rock impasse	NCM
	336	1	0-5	0-13	10YR3/3	Dark brown silty sand with gravel, terminated at rock impasse	NCM
	337	1	0-5	0-12	10YR3/2	Very dark gray brown silty loam, terminated at pooling water	NCM
TR 41	338	1	0-4	0-9	10YR3/3	Dark brown silty sand with gravel, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	339	1	0-6	0-15	10YR3/3	Dark brown silty sand with gravel, terminated at rock impasse	NCM
	340	1	0-4	0-11	10YR3/2	Very dark gray brown silty loam, terminated at pooling water	NCM
TR 42	341	1	0-6	0-16	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	342	1	0-3	0-7	10YR2/1	Black sand and gravel, terminated at rock impasse	NCM
	343	1	0-5	0-12	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	344	1				Not Excavated: Exposed bedrock	
	345	1				Not Excavated: Exposed bedrock	
	346	1				Not Excavated: Slope > 15% and surface bedrock	
	347	1				Not Excavated: Slope > 15% and surface bedrock	
	348	1	0-2	0-5	10YR3/2	Very dark gray brown sandy loam with gravel, terminated at rock impasse	NCM
	349	1				Not Excavated: Slope > 15%	
	350	1				Not Excavated: Slope > 15%	
	351	1	0-1	0-3	10YR3/2	Very dark gray brown silty loam with gravel, terminated at rock impasse	NCM
	352	1				Not Excavated: Slope > 15% and surface bedrock	
	353	1				Not Excavated: Slope > 15% and surface bedrock	
	354	1				Not Excavated: Slope > 15% and surface bedrock	
	355	1	0-3	0-8	10YR3/2	Very dark gray brown silt, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	356	1	0-6	0-13	10YR2/1	Black wet sloppy muck, terminated at rock impasse	NCM
	357	1	0-1.5	0-3	10YR3/2	Very dark gray brown silt, terminated at rock impasse	NCM
	358	1	0-3	0-6	10YR2/1	Black wet silt	NCM
	359	1	0-1	0-3	10YR3/2	Very dark gray brown sandy silt terminated at rock impasse	NCM
	360	1	0-4	0-10	10YR3/2	Very dark gray brown silt, terminated at rock impasse	NCM
	361	1				Not Excavated: Slope > 15% and surface bedrock	
TR 43	362	1	0-6	0-15	10YR3/3	Dark brown silt, terminated at rock impasse	NCM
	363	1	0-5	0-12	10YR3/2	Very dark gray brown silt with gravel, terminated at rock impasse	NCM
	364	1				Not Excavated: Inside running stream	
	365	1	0-11	0-28	10YR3/4	Dark yellow brown silty loam, terminated at rock impasse	NCM
	366	1				Not Excavated: Drainage culvert	
	367	1				Not Excavated: Exposed bedrock	
	368	1				Not Excavated: Rock pile	
	369	1	0-3	0-8	10YR3/2	Very dark gray brown silt with gravel, terminated at rock impasse	NCM
	370	1	0-1	0-3	10YR3/2	Very dark gray brown silt with gravel, terminated at rock impasse	NCM
	371	1	0-11	0-27	10YR3/2	Very dark gray brown silt	NCM
		2	11-13	27-34	10YR5/4	Yellow brown silt with channery	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	372	1	0-1	0-3	10YR3/2	Very dark gray brown silt	NCM
		2	1-4	3-11	10YR5/4	Yellow brown silt with bedrock, terminated at rock impasse	NCM
	373	1	0-6	0-14	10YR3/2	Very dark gray brown silt with gravel	NCM
		2	6-11	14-27	10YR5/4	Yellow brown silt with channery	NCM
	374	1	0-4	0-9	10YR3/2	Very dark gray brown silt with gravel	NCM
		2	4-11	9-27	10YR5/4	Yellow brown silt	NCM
	375	1				Not Excavated: Exposed bedrock	
	376	1	0-.39	0-1	10YR3/2	Very dark gray brown silt, terminated at rock impasse	NCM
	377					Not Excavated: Rocks and drainage channel	
	378					Not Excavated: Rocks and drainage channel	
	379	1	0-9	0-22	10YR3/2	Very dark gray brown silt with gravel	NCM
		2	9-13	22-32	10YR5/4	Yellow brown silt with channery	NCM
	380					Not Excavated: Exposed bedrock	
TR 44	381	1	0-1	0-3	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	382	1	0-9	0-24	10YR4/1	Dark gray silty sand, with gravel and cobbles, terminated at root impasse	modern glass , not collected
	383					Not Excavated: Exposed bedrock	
	384	1	0-2	0-5	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	385	1	0-1	0-2	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	386	1	0-3	0-8	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	387	1	0-6	0-16	10YR3/3 & 10YR4/3	Dark brown mottled with brown silty loam, terminated at rock impasse	NCM
	388	1	0-4	0-10	10YR3/3	Dark brown silty loam	NCM
		2	4-9	10-23	10YR4/3	Brown silty loam, terminated at rock impasse	NCM
	389	1	0-8	0-20	10YR3/3 & 10YR4/3	Dark brown mottled with brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	390	1	0-9	0-23	10YR4/3	Brown silty loam with gravel and cobbles, terminated at root impasse	NCM
	391	1	0-1	0-3	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	392	1	0-2	0-6	10YR3/3	Dark brown silty loam, with cobbles, terminated at rock impasse	NCM
	393					Not Excavated: Slope > 15%	
	394	1	0-1	0-2	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	395	1	0-1	0-3	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	396	1	0-2	0-4	10YR3/3	Dark brown silty loam	NCM
		2	2-6	4-14	10YR4/3	Brown silty loam, terminated at rock impasse	NCM
	397					Not Excavated: Exposed bedrock	
	398	1	0-4	0-10	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	4-8	10-20	10YR4/3	Brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	399	1	0-2	0-5	10YR3/3	Dark brown silty loam with gravel	NCM
		2	2-8	5-20	10YR4/3	Brown silty loam, terminated at root impasse	NCM
	400	1	0-1	0-3	10YR3/3	Dark brown silty loam with gravel, terminated at rock impasse	NCM
	401	1	0-5	0-13	10YR3/3	Dark brown silty loam with channery, terminated at rock impasse	NCM
TR 45	402	1	0-3	0-7	10YR3/2	Very dark gray brown silty loam (wet), terminated at rock impasse	NCM
	403	1	0-2	0-6	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	404	1	0-4	0-11	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	405	1	0-7	0-17	10YR3/3	Dark brown silty loam with heavy gravel and cobbles, terminated at rock impasse	NCM
	406					Not Excavated: Slope > 15%	
	407	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	9-14	23-35	10YR5/4	Yellow brown sandy clay with gravel	NCM
	408	1	0-10	0-26	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock and root impasse	NCM
	409	1	0-11	0-27	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	11-15	27-39	10YR5/4	Yellow brown sandy clay with gravel	NCM
	410	1	0-11	0-28	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	11-15	28-38	10YR5/4	Yellow brown sandy clay with gravel	NCM
	411	1	0-5	0-13	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	412	1	0-7	0-18	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	7-9	18-23	10YR5/4	Yellow brown sandy clay with gravel	NCM
	413	1	0-6	0-14	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	6-9	14-24	10YR5/4	Yellow brown sandy clay with gravel	NCM
	414					Not Excavated: Steep gully into a stream	
	415					Not Excavated: Slope > 15%	
	416					Not Excavated: Exposed bedrock	
	417	1	0-1	0-3	10YR3/1	Very dark gray humic silty loam	NCM
		2	1-8	3-20	10YR5/4	Dark yellow brown sandy clay with gravel	NCM
	418	1	0-8	0-20	10YR3/3	Dark brown silty loam	NCM
		2	8-14	20-35	10YR5/4	Dark yellow brown sandy clay with cobbles	NCM
	419	1	0-2	0-4	10YR3/1	Very dark gray humic silty loam	NCM
		2	2-7	4-18	10YR5/4	Dark yellow brown sandy clay with cobbles	NCM
	420	1	0-3	0-7	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	421	1	0-2	0-6	10YR3/3	Dark brown silty loam with cobbles	NCM
		2	2-7	6-19	10YR5/6	Yellow brown sandy clay with gravel	NCM
	422	1	0-10	0-26	10YR3/3	Dark brown silty loam with cobbles	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	10-16	26-40	10YR5/6	Yellow brown sandy clay with gravel	NCM
TR 46	423	1	0-7	0-17	10YR3/2	Very dark gray brown silty loam with gravel and cobbles	NCM
		2	7-11	17-29	10YR5/4	Yellow brown sandy loam with gravel	NCM
	424					Not Excavated: Slope > 15% and surface bedrock	
	425					Not Excavated: Slope > 15% and surface bedrock	
	426	1	0-9	0-22	10YR3/2	Very dark gray brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	427					Not Excavated: Slope > 15%	
	428	1	0-10	0-26	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	10-15	26-39	10YR5/6	Yellow brown sandy clay with gravel	NCM
	429	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	9-12	23-30	10YR5/6	Yellow brown sandy clay with gravel	NCM
	430	1	0-10	0-25	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	10-14	25-35	10YR5/6	Yellow brown sandy clay with gravel	NCM
	431	1	0-9	0-24	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	9-14	24-35	10YR5/6	Yellow brown sandy clay with gravel	NCM
	432	1	0-8	0-21	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	433	1	0-7	0-19	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	7-9	19-23	10YR5/4	Yellow brown sandy clay with gravel	NCM
	434	1	0-4	0-11	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	435					Not Excavated: Slope > 15%	
	436					Not Excavated: Slope > 15%	
	437					Not Excavated: Slope > 15%	
	438					Not Excavated: Slope > 15%	
	439					Not Excavated: Slope > 15%	
	440	1	0-6	0-16	10YR3/3	Dark brown silty loam with cobbles	NCM
		2	6-11	16-27	10YR5/6	Yellow brown sandy clay	NCM
	441	1	0-5	0-12	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	442	1	0-9	0-23	10YR3/3	Dark brown silty loam with gravel cobbles	NCM
		2	9-11	23-27	10YR5/6	Yellow brown sandy clay, terminated at rock impasse	NCM
	443	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
TR 47	444					Not Excavated: Slope > 15% and surface bedrock	
	445	1	0-6	0-15	10YR3/2	Very dark gray brown silty loam with cobbles, terminated at rock impasse	NCM
	446					Not Excavated: Slope > 15%	
	447					Not Excavated: Slope > 15%	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	448	1	0-3	0-7	10YR3/2	Very dark gray brown silty loam with cobbles, terminated at rock impasse	NCM
	449					Not Excavated: Slope > 15% and surface bedrock	
	450	1	0-6	0-15	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	6-12	15-30	10YR5/6	Yellow brown sandy clay	NCM
	451	1	0-4	0-11	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	4-9	11-23	10YR5/6	Yellow brown sandy clay	NCM
	452	1	0-2	0-6	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	2-11	6-27	10YR5/6	Yellow brown sandy clay	NCM
	453	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	9-14	23-35	10YR5/6	Yellow brown sandy clay	NCM
	454	1	0-11	0-28	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	11-16	28-40	10YR5/6	Yellow brown sandy clay	NCM
	455	1	0-10	0-25	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	10-14	25-35	10YR5/6	Yellow brown sandy clay	NCM
	456	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	9-15	23-37	10YR5/6	Yellow brown sandy clay	NCM
	457					Not Excavated: Slope > 15%	

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	458					Not Excavated: Slope > 15%	
	459					Not Excavated: Exposed bedrock	
	460					Not Excavated: Slope > 15%	
	461					Not Excavated: Slope > 15%	
	462	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	8-13	21-33	10YR5/6	Yellow brown sandy clay	NCM
	463	1	0-8	0-21	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	8-12	21-30	10YR5/6	Yellow brown sandy clay	NCM
	464	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	7-9	19-23	10YR5/6	Yellow brown sandy clay	NCM
TR 48	465	1	0-13	0-32	10YR3/3	Dark brown silt	NCM
		2	13-18	32-45	10YR6/2	Light yellow brown silt, terminated at pooling water	NCM
	466	1	0-11	0-28	10YR3/3	Dark brown silty loam	NCM
		2	11-15	28-38	10YR5/6	Yellow brown silty gravel	NCM
	467	1	0-11	0-27	10YR3/3	Dark brown silty loam	NCM
		2	11-15	27-37	10YR5/6	Yellow brown silty gravel	NCM
	468	1	0-10	0-26	10YR3/3	Dark brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	10-15	26-38	10YR5/6	Yellow brown silty gravel	NCM
	469	1	0-4	0-10	10YR3/1	Very dark gray standing water and muck	NCM
	470	1	0-11	0-29	10YR3/3	Dark brown silty loam (wet), terminated at rock impasse	NCM
	471	1	0-8	0-20	10YR3/3	Dark brown silty and gravel (wet)	NCM
		2	8-12	20-30	10YR5/6	Yellow brown silt and gravel (wet)	NCM
	472	1	0-7	0-18	10YR3/3	Dark brown silty and gravel (wet)	NCM
		2	7-11	18-28	10YR5/6	Yellow brown silt and gravel (wet)	NCM
	473	1	0-9	0-22	10YR3/3	Dark brown silty and gravel (wet)	NCM
		2	9-13	22-32	10YR5/6	Yellow brown silt and gravel (wet)	NCM
TR 49	474	1	0-5	0-12	10YR3/4	Dark yellow brown silty loam, terminated at pooling water	NCM
	475	1	0-9	0-24	10YR3/4	Dark yellow brown silty loam, terminated at pooling water	NCM
	476	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam, terminated at rock impasse and pooling water	NCM
	477	1	0-11	0-27	10YR3/4	Dark yellow brown silty loam, terminated at rock impasse	NCM
	478	1	0-12	0-30	10YR4/3	Brown silty loam terminated at pooling water	NCM
	479	1	0-9	0-22	10YR4/3	Brown silty loam, terminated at pooling water	NCM
	480	1	0-9	0-23	10YR4/3	Brown silty loam, terminated at pooling water	NCM
	481	1	0-12	0-31	10YR4/3	Brown silty loam, terminated at pooling water	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	482	1	0-10	0-25	10YR4/3	Brown silty loam, terminated at pooling water	NCM
TR 50	483	1	0-7	0-17	10YR3/4	Dark yellow brown silty loam with gravel (very damp)	NCM
		2	7-12	17-30	10YR5/4	Yellow brown silty loam with gravel (wet)	NCM
	484	1	0-8	0-21	10YR3/4	Dark yellow brown silty loam with gravel (very damp)	NCM
		2	8-13	21-33	10YR5/4	Yellow brown silty loam with gravel (wet)	NCM
	485	1	0-8	0-20	10YR3/4	Dark yellow brown silty loam with gravel, with gravel and cobbles	NCM
		2	8-11	20-27	10YR5/4	Yellow brown silty loam with gravel (wet), terminated at rock impasse	NCM
	486	1	0-7	0-19	10YR3/4	Dark yellow brown silty loam with gravel, with gravel and cobbles	NCM
		2	7-10	19-26	10YR5/4	Yellow brown silty loam with gravel (wet), terminated at rock impasse	NCM
	487	1	0-8	0-21	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	8-13	21-32	10YR5/4	Yellow brown silty clay with gravel	NCM
	488	1	0-7	0-19	10YR3/4	Dark yellow brown silty loam with gravel and cobbles (wet)	NCM
		2	7-12	19-30	10YR6/2	Light yellow brown silty clay (wet)	NCM
	489	1	0-5	0-13	10YR3/4	Dark yellow brown silty loam with gravel and cobbles (wet)	NCM
		2	5-10	13-25	10YR6/2	Light yellow brown silty clay (wet)	NCM
	490	1	0-5	0-12	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	491	1	0-6	0-15	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 51	492					Not Excavated: Disturbed, gravel access road	
	493					Not Excavated: Disturbed, gravel access road	
	494					Not Excavated: Disturbed, gravel access road	
	495					Not Excavated: Disturbed, gravel access road	
	496	1	0-6	0-16	10YR4/4	Dark yellow brown silty loam	NCM
		2	6-12	16-30	10YR5/4	Yellow brown silty loam (damp)	NCM
	497	1	0-7	0-19	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	7-12	19-30	10YR5/6	Yellow brown silty clay	NCM
	498	1	0-9	0-23	10YR3/4	Dark yellow brown silty loam with gravel and cobbles	NCM
		2	9-16	23-40	10YR5/6	Yellow brown silty clay	NCM
	499	1	0-8	0-21	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	500	1	0-7	0-18	10YR3/4	Dark yellow brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
TR 52	501					Not Excavated: Slope > 15%	
	502	1	0-9	0-23	10YR3/2	Very dark gray brown silty loam with cobbles, terminated at rock impasse	NCM
	503	1	0-6	0-14	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	504	1	0-5	0-12	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	505	1	0-11	0-28	10YR3/2	Very dark gray brown silt, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	506	1	0-11	0-28	10YR3/2	Very dark gray brown silt with gravel	NCM
		2	11-15	28-38	10YR5/4	Yellow brown silt	NCM
	507	1	0-2	0-6	10YR2/2	Very dark brown muck	NCM
		2	2-12	6-30	10YR6/2	Light yellow brown clay (wet)	NCM
TR 53	508	1	0-11	0-27	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	509	1	0-11	0-28	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	510	1	0-10	0-26	10YR3/3	Dark brown silty loam	NCM
		2	10-15	26-39	10YR5/4	Yellow brown silt	NCM
	511	1	0-9	0-23	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	512					Not Excavated: Inside stream	
	513					Not Excavated: Exposed bedrock	
	514	1	0-6	0-16	10YR3/2	Very dark gray brown silty loam (wet)	NCM
		2	6-10	16-26	10YR6/2	Light yellow brown silty clay (wet)	NCM
TR 54	515					Not Excavated: Slope > 15%	
	516	1	0-9	0-24	10YR3/3	Dark brown silty loam	NCM
		2	9-14	24-35	10YR5/4	Yellow brown silt	NCM
	517	1	0-4	0-10	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	518	1	0-5	0-13	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	519	1	0-7	0-19	10YR3/3	Dark brown silty loam with cobbles, terminated at rock impasse	NCM
	520	1	0-6	0-15	10YR2/2	Very dark brown mucky silt, terminated at rock impasse	NCM
	521	1	0-14	0-36	10YR3/3	Dark brown silty loam	NCM
		2	14-16	36-40	10YR5/4	Yellow brown silt	NCM
TR 55	522	1	0-12	0-30	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	523	1	0-9	0-24	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
TR 56	524	1	0-1	0-3	10YR2/2	Very dark brown humic	NCM
		2	1-9	3-24	10YR3/3	Dark brown silty loam	NCM
		3	9-14	24-35	10YR5/3	Brown silty loam	NCM
	525	1	0-2	0-4	10YR2/2	Very dark brown humic	NCM
		2	2-10	4-26	10YR3/3	Dark brown silty loam	NCM
		3	10-15	26-39	10YR5/3	Brown silty loam	NCM
	526	1	0-6	0-16	10YR3/2	Very dark gray brown silty loam, terminated at root impasse	NCM
TR 57	527	1	0-5	0-12	10YR3/3	Dark brown silty loam	NCM
		2	5-12	12-30	10YR5/3	Brown silty loam	NCM
	528	1	0-12	0-30	10YR3/3 & 10YR5/3	Dark brown mottled with brown silty loam, terminated at root impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	529	1	0-.39	0-1	10YR3/2	Very dark gray brown humic/root mat	NCM
		2	.39-1	1-2		Layer of ash	
		3	1-4	2-10	10YR3/3	Dark brown silty loam, terminated at root impasse	NCM
	530	1	0-9	0-24	10YR3/3	Dark brown silty loam	NCM
		2	9-14	24-36	10YR5/3	Brown silt	NCM
	531	1	0-6	0-15	10YR3/3 & 10YR5/3	Dark brown mottled with brown silty loam	Projectile point, flakes
		2	6-10	15-26	10YR5/3	Brown silty loam	NCM
	531 N1	1	0-4	0-11	10YR3/3 & 10YR5/3	Dark brown mottled with brown silty loam	4 flakes, 1 utilized flake
		2	4-12	11-30	10YR5/3	Brown silty loam	NCM
	531 E1	1	0-5	0-13	10YR5/3	Brown silty loam, with cobbles	NCM
		2	5-9	13-24	10YR4/6	Dark yellow brown silty loam	NCM
	531 S1	1	0-4	0-10	10YR3/3	Dark brown silty loam, with cobbles	NCM
		2	4-13	10-33	10YR5/3	Brown silty loam	NCM
	531 W1	1	0-4	0-9	10YR2/2	Very dark brown thick humic loam with cobbles	NCM
		2	4-9	9-23	10YR5/3	Brown silty loam	NCM
	531 N2	1	0-7	0-17	10YR4/4	Dark yellow brown silty loam	NCM
		2	7-9	17-23	10YR3/1	Very dark gray silty loam (humic)	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		3	9-12	23-30	10YR3/3	Dark brown silty loam	NCM
		4	12-16	30-41	10YR5/6	Yellow brown silty loam	NCM
	532	1	0-8	0-20	10YR3/3	Dark brown silty loam, with gravel and cobbles	NCM
		2	8-12	20-31	10YR5/3	Brown silty loam	NCM
TR 58	533	1	0-11	0-27	10YR3/3	Dark brown silty loam	NCM
		2	11-15	27-37	10YR5/4	Yellow brown silty loam	NCM
	534	1	0-12	0-32	10YR3/3	Dark brown silty loam	NCM
		2	12-16	32-40	10YR5/4	Yellow brown silty loam	NCM
	535	1	0-12	0-29	10YR3/3	Dark brown silty loam	NCM
		2	12-16	29-40	10YR5/4	Yellow brown silty loam	NCM
	536	1	0-11	0-25	10YR3/3	Dark brown silty loam	NCM
		2	10-14	25-35	10YR5/4	Yellow brown silty loam	NCM
TR 59	537	1	0-5	0-12	10YR3/3	Dark brown silty loam	NCM
		2	5-12	12-30	10YR5/4	Yellow brown silty loam	NCM
	538	1	0-5	0-12	10YR5/3	Brown silty loam	NCM
		2	5-12	12-30	10YR3/3	Dark brown silty loam	NCM
		1	12-17	30-43	10YR5/4	Yellow brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	539	1	0-8	0-21	10YR3/3	Dark brown silty loam	NCM
		2	8-14	21-35	10YR5/4	Yellow brown silty loam	NCM
	540	1	0-7	0-17	10YR3/3	Dark brown silty loam with large cobbles	NCM
		2	7-13	17-33	10YR5/4	Yellow brown silty loam	NCM
	541	1	0-7	0-19	10YR3/3	Dark brown silty loam with cobbles	NCM
		2	7-12	19-30	10YR5/4	Yellow brown silty loam with gravel	NCM
TR 60	542	1	0-9	0-23	10YR3/3	Dark brown silty loam with large cobbles	NCM
		2	9-13	23-33	10YR5/4	Yellow brown silty loam	NCM
	543	1	0-24	0-60	10YR6/8	Brownish yellow gravel and silt	NCM
	544	1	0-9	0-22	10YR3/3	Dark brown silty loam with large cobbles	NCM
		2	9-15	22-38	10YR5/4	Yellow brown silty loam	NCM
	545	1	0-12	0-29	10YR3/3	Dark brown silty loam with large cobbles	NCM
		2	12-16	29-40	10YR5/4	Yellow brown silty loam	NCM
	546	1	0-12	0-32	10YR3/3	Dark brown silty loam with large cobbles	NCM
		2	13-18	32-44	10YR5/4	Yellow brown silty loam	NCM
	547	1	0-11	0-27	10YR3/3	Dark brown silty loam with large cobbles	NCM
		2	11-15	27-37	10YR5/4	Yellow brown silty loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
TR 61	548	1	0-10	0-26	10YR5/4	Yellow brown silty clay, No A Horizon	NCM
	549	1	0-7	0-19	10YR3/4	Dark yellow brown silty loam with gravel	NCM
		2	7-12	19-30	10YR5/4	Yellow brown silty clay	NCM
	550	1	0-3	0-7	10YR3/4	Dark yellow brown silty loam with gravel	NCM
		2	3-8	7-20	10YR5/4	Yellow brown silty clay	NCM
	551	1	0-7	0-17	10YR3/4	Dark yellow brown silty loam with gravel	NCM
		2	7-11	17-29	10YR5/4	Yellow brown silty clay	NCM
	552	1	0-5	0-13	10YR3/1	Very dark gray silty loam (humic layer)	NCM
		2	5-11	13-27	10YR5/4	Yellow brown silty loam with gravel	NCM
TR 62	553	1	0-9	0-22	10YR3/2	Very dark grayish brown silt loam	5 flakes
		2	9-13	22-32	10YR5/8	Dark yellowish brown silty clay	NCM
	553 N1	1	0-11	0-28	10YR3/2	Very dark gray brown silty loam with gravel	1 flake
		2	11-16	28-40	10YR5/4	Yellow brown silty loam with gravel	NCM
	553 S1	1	0-7	0-17	10YR3/2	Very dark gray brown silty loam with gravel	NCM
		2	7-12	17-31	10YR5/4	Yellow brown silty loam with gravel (damp soil)	NCM
	553 W1	1	0-4	0-11	10YR3/2	Very dark gray brown silty loam with gravel	NCM
		2	4-6	11-15	10YR5/4	Yellow brown silty loam with gravel, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	553 E1	1	0-9	0-23	10YR3/2	Very dark gray brown silty loam with gravel	1 flake
		2	9-13	23-34	10YR5/4	Yellow brown silty loam with gravel	NCM
	553 E2	1	0-6	0-14	10YR3/2	Very dark gray brown silty loam	NCM
		2	6-10	14-26	10YR5/4	Yellow brown silt	NCM
	553 N2	1	0-12	0-31	10YR3/2	Very dark gray brown silty loam	1 flake
		2	12-18	31-45	10YR6/2	Light yellow brown silt	NCM
	553 W2	1	0-9	0-23	10YR3/2	Very dark gray brown silty loam	NCM
		2	9-15	23-37	10YR5/4	Yellow brown silt with gravel	NCM
	554	1	0-12	0-31	10YR3/2	Very dark grayish brown silt loam	NCM
		2	12-18	31-47	10YR5/8	Dark yellowish brown silty clay	NCM
	555	1	0-12	0-32	10YR3/2	Very dark grayish brown silt loam	NCM
		2	13-18	32-46	10YR5/8	Dark yellowish brown silty clay	NCM
	556	1	0-14	0-35	10YR3/2	Very dark grayish brown silt loam	NCM
		2	13-19	35-48	10YR5/8	Dark yellowish brown silty clay	NCM
TR 63	557	1	0-16	0-40	10YR3/4	Dark yellow brown silty loam with gravel	1 flake
		2	16-20	40-50	10YR5/6	Yellow brown silty clay	NCM
	558	1	0-18	0-45	10YR3/4	Dark yellow brown silty loam with gravel	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	18-24	45-60	10YR5/6	Yellow brown silty clay	NCM
	559	1	0-9	0-24	10YR3/4	Dark yellow brown silty loam with gravel	1 flake, spike , not collected
		2	9-13	24-34	10YR5/6	Yellow brown silty clay	NCM
	560	1	0-13	0-33	10YR5/4	Yellow brown silty loam with gravel	1 flake, 1 utilized flake
		2	13-17	33-43	10YR5/6	Yellow brown silty clay	NCM
TR 64	561	1	0-11	0-27	10YR5/6	Yellow brown silty clay with gravel	NCM
	562	1	0-10	0-26	10YR5/4	Yellow brown silty loam with gravel	3 flakes
		2	10-16	26-40	10YR5/6	Yellow brown silty clay	NCM
	563	1	0-13	0-32	10YR5/4	Yellow brown silty loam with gravel	NCM
		2	13-18	32-46	10YR5/6	Yellow brown silty clay	NCM
	564	1	0-16	0-40	10YR5/4	Yellow brown silty loam with gravel	NCM
		2	16-20	40-50	10YR5/6	Yellow brown silty clay	NCM
TR 65	565	1	0-17	0-43	10YR3/4	Dark yellow brown silty loam with gravel	3 flakes
		2	17-22	43-57	10YR5/6	Yellow brown silty clay	NCM
	566	1	0-11	0-29	10YR3/4	Dark yellow brown silty loam with gravel	NCM
		2	11-16	29-40	10YR5/6	Yellow brown silty clay	NCM
TR F1	1	1	0-1	0-3	10YR2/2	Very dark brown sandy loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	1-8	3-20	10YR5/3	Brown sand, terminated at rock impasse	Pieces of Stucco Wall Covering
	2	1	0-1	0-3	10YR2/2	Very dark brown sandy loam	NCM
		2	1-12	3-30	10YR5/3	Brown sand	pieces of wall, not collected
	3	1	0-11	0-27	10YR5/3	Brown sandy loam	Nails
		2	11-15	27-39	10YR5/6	Yellow brown sandy loam	Nails
	4	1	0-16	0-40	10YR5/3	Brown sandy loam	nails and window glass. asphalt tile, not collected
		2	16-20	40-50	10YR5/6	Yellow brown sandy loam	nails
	5	1	0-5	0-13	10YR5/3	Brown sand, terminated at rock impasse	brick, not collected
	6	1	0-2	0-6	10YR2/2	Very dark brown sandy loam (humic)	NCM
		2	2-13	6-32	10YR5/3	Brown sand	Nails, Window glass, container glass
		3	13-18	32-45	10YR4/3	Brown sandy loam	NCM
		4	18-22	45-56	10YR5/6	Yellow brown sandy loam with cobbles	NCM
	7	1	0-3	0-7	10YR2/2	Very dark brown sandy loam (humic)	NCM
		2	3-13	7-34	10YR5/3	Brown sand, terminated at root impasse	nails, bottle glass, window glass, whiteware. Charcoal, pieces of wall , not collected
	8	1	0-7	0-19	10YR5/3	Brown sand	plastic, not collected
		2	7-12	19-31	10YR4/3	Brown sandy loam with gravel	window glass, clear plastic, grommet, nails

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		3	12-17	31-43	10YR5/6	Yellow brown sandy loam with cobbles	NCM
	9	1	0-11	0-27	10YR2/2	Very dark brown sandy loam	metal, bone, nails, glass. Coal, not collected
		2	11-12	27-30	10YR4/3	Brown sandy loam, terminated at root impasse	coal , not collected
	10	1	0-2	0-4	10YR2/2	Very dark brown sandy loam	glass, nails, pipe stem, button, whiteware. Coal and charcoal, not collected
		2	2-6	4-14	10YR5/3	Brown sand	NCM
		3	6-15	14-37	10YR4/3	Brown sandy loam	NCM
	11	1	0-2	0-5	10YR2/2	Very dark brown sandy loam	Brick, not collected
		2	2-6	5-14	10YR4/3	Brown sandy loam, terminated at root impasse	glass. Coal, brick, not collected
	12	1	0-2	0-5	10YR2/2	Very dark brown sandy loam	brick, not collected
		2	2-10	5-25	10YR4/3	Brown sandy loam	glass, nails, ceramic sherd, bottle cap, coal and charcoal
	13	1	0-1	0-3	10YR2/2 & 10YR4/3	Very dark brown with brown sandy loam, terminated at gravel driveway	brick, not collected
	14	1	0-1	0-3	10YR2/2	Very dark brown sandy loam, terminated at rock impasse	glass. Coal, plastic, not collected
	15	1				Not Excavated: Historic well	
	16	1	0-2	0-5	10YR2/2	Very dark brown sandy loam	NCM
		2	2-4	5-10	10YR5/3	Brown sand, terminated at rock impasse	button and nails. Pieces of wall and plaster and coal, not collected
	17	1	0-2	0-4	10YR2/2	Very dark brown sandy loam	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	2-11	4-27	10YR5/3	Brown sand, terminated at root impasse	metal pieces, nails, glass, whiteware, and terra cotta. Pieces of wall, not collected
		3	11-15	27-38	10YR4/3	Brown sandy loam	NCM
	18	1	0-2	0-5	10YR2/2	Very dark brown sandy loam	NCM
		2	2-6	5-15	10YR5/3	Brown sand, terminated at root impasse	pieces of wall, not collected
TR F2	1	1	0-9	0-22	10YR5/3	Brown silty loam, terminated at rock impasse	metal hinge, nails, lead, ceramics, glass. Coal, roofing slate, not collected
	2	1	0-7	0-18	10YR5/3	Brown silt with roofing slate fragments	metal, pipe bowl, ceramic sherds, glass, nail. Fabric strip, roofing slate, not collected
		2	7-11	18-28	10YR3/3	Dark brown silty loam	NCM
	3	1	0-8	0-21	10YR3/3	Dark brown silt with brick, terminated at rock impasse	nails and brick, not collected
	4	1	0-12	0-30	10YR3/3	Dark brown silty loam	Non-diagnostic projectile point, ceramic sewer pipe, FCR, nails, metal, glass.
		2	12-17	30-43	10YR5/3	Brown silty loam	NCM
	4 N1	1	0-8	0-20	10YR3/3	Dark brown silty loam with gravel	slate roof fragments and window glass fragments, not collected
		2	8-16	20-40	10YR4/6	Dark yellow brown silty clay	NCM
	4 S1	1	0-11	0-27	10YR3/3	Dark brown silty loam with gravel	brick frag, slate roofing tile, window glass, not collected

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	11-15	27-38	10YR4/6	Dark yellow brown silty clay	NCM
	4 E1	1	0-7	0-19	10YR3/3	Dark brown silty loam with gravel	slate roofing fragments and window glass fragment, not collected
		2	7-14	19-36	10YR4/6	Dark yellow brown silty clay	NCM
	4 E2	1	0-12	0-30	10YR3/3	Dark brown silty loam with gravel	NCM
		2	12-17	30-43	10YR4/6	Dark yellow brown silty clay	NCM
	4 N2	1	0-14	0-35	10YR3/3	Dark brown silty loam with gravel	1 flake, window glass and coal, not collected
		2	14-20	35-50	10YR4/6	Dark yellow brown silty clay	NCM
	4 S2	1	0-5	0-13	10YR3/3	Dark brown silty loam with gravel	NCM
		2	5-12	13-30	10YR4/6	Dark yellow brown silty clay	NCM
	4 N3	1	0-11	0-29	10YR3/3	Dark brown silty loam with gravel	window glass, not collected
		2	11-16	29-40	10YR4/6	Dark yellow brown silty clay	NCM
	4 N4	1	0-7	0-18	10YR3/3	Dark brown silty loam with gravel	nail and window glass, not collected
		2	7-11	18-29	10YR4/6	Dark yellow brown silty clay	NCM
F3	1	1	0-5	0-13	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	5-10	13-25	10YR4/6	Dark yellow brown silty loam with gravel and cobbles	NCM
	2	1	0-4	0-10	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
	3	1	0-3	0-7	10YR3/3	Dark brown silty loam with gravel and cobbles, terminated at rock impasse	NCM
	4	1	0-3	0-7	10YR3/3	Dark brown silty loam with gravel and cobbles	NCM
		2	3-8	7-20	10YR5/6	Yellow brown silty clay	NCM
TR F4	1	1				Not Excavated: Slope > 15%	
	2	1	0-7	0-17	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM
		2	7-11	17-29	10YR5/6	Yellow brown silty loam with cobbles	NCM
	3	1	0-12	0-31	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM
		2	12-16	31-41	10YR5/6	Yellow brown silty loam with cobbles	NCM
	4	1	0-7	0-19	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM
		2	7-13	19-34	10YR5/6	Yellow brown silty loam with cobbles	NCM
	5	1	0-8	0-20	10YR4/2	Dark gray brown silty loam with gravel and cobbles	2 metal bracket pieces
		2	8-12	20-30	10YR5/6	Yellow brown silty loam with cobbles	NCM
	6	1	0-10	0-26	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM
		2	10-16	26-40	10YR5/6	Yellow brown silty loam with cobbles	NCM
	7	1	0-7	0-19	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM
		2	7-12	19-30	10YR5/6	Yellow brown silty loam with cobbles	NCM
	8	1	0-6	0-16	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM

Transect	STP	Level	Depth (in)	Depth (cm)	Munsell	Soil Description	Cultural Material
		2	6-12	16-30	10YR5/6	Yellow brown silty loam with cobbles	NCM
	9	1	0-8	0-21	10YR4/2	Dark gray brown silty loam with gravel and cobbles	NCM
		2	8-13	21-34	10YR5/6	Yellow brown silty loam with cobbles	NCM
TR F5	1	1	0-14	0-36	10YR3/3	Dark brown silty loam	NCM
		2	14-18	36-46	10YR5/4	Yellow brown silt with gravel	NCM
	2	1	0-11	0-29	10YR3/3	Dark brown silty loam	NCM
		2	11-15	29-39	10YR5/4	Yellow brown silt with gravel	NCM
	3	1	0-6	0-16	10YR3/3	Dark brown silty loam, terminated at rock impasse	NCM
	4	1	0-10	0-26	10YR3/3	Dark brown silty loam	NCM
		2	10-14	26-36	10YR5/4	Yellow brown silt	NCM
	5	1	0-6	0-16	10YR3/2	Very dark gray brown silty loam, terminated at rock impasse	NCM
	6	1				Not Excavated: Piles of rocks and corrugated steel roofing	
	7	1	0-9	0-23	10YR3/3	Dark brown silty loam	NCM
		2	9-13	23-33	10YR5/4	Yellow brown silt	NCM
	8	1	0-9	0-24	10YR3/3	Dark brown silty loam	NCM
		2	9-14	24-36	10YR5/4	Yellow brown silt	NCM

APPENDIX E: ARTIFACT CATALOG & PHOTOS

Transect	STP	Level	Count	Class	Material	Type	Attributes	Age
TR 57	531	1	4	Precontact	Chert	Debitage	Secondary Reduction Flake	
TR 57	531	1	6	Precontact	Chert	Debitage	Tertiary Reduction flakes	
TR 57	531	1	1	Precontact	Projectile Point	Yellow Jasper, Heat Altered Chert, patina	Normanskill	Transitional-Early Archaic
TR 57	531 N1	1	1	Precontact	Chert	Debitage	Utilized flake	
TR 57	531 N1	1	4	Precontact	Chert	Debitage	Secondary Reduction Flake	
TR 62	553	1	4	Precontact	Chert	Debitage	Tertiary Reduction flakes	
TR 62	553	1	1	Precontact	Chert	Debitage	micro-flake	
TR 62	553 E1	1	1	Precontact	Chert	Debitage	micro-flake	
TR 62	553 N1	1	1	Precontact	Chert	Debitage	micro-flake	
TR 62	553 N2	1	1	Precontact	Chert	Debitage	Secondary Reduction Flake	
TR 63	557	1	1	Precontact	Chert	Debitage	Primary reduction flake	
TR 63	559	1	1	Precontact	Chert	Debitage	Tertiary Reduction flakes	
TR 63	560	1	1	Precontact	Chert	Debitage	Primary reduction flake	
TR 64	562	1	2	Precontact	Chert	Debitage	micro-flake	
TR 64	562	1	1	Precontact	Chert	Debitage	Primary reduction flake	

Transect	STP	Level	Count	Class	Material	Type	Attributes	Age
TR 65	565	1	3	Precontact	Chert	Debitage	Secondary Reduction Flake	
F1	1	2	12	Architectural	Ceramic	Stucco Fragments		
F1	3	1	2	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	4	1	1	Architectural	Glass	Window	clear	
F1	4	3	1	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	6	2	5	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	6	2	2	Architectural	Glass	Window	clear	
F1	6	2	1	Food Storage & Prep	Glass	Container	Clear	
F1	7	2	9	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	7	2	5	Architectural	Glass	Window	Clear	
F1	7	2	1	Architectural	Ceramic	Mortar		
F1	7	2	1	Food Service	Ceramic	Whiteware	Plain	1820-2010
F1	8	2	1	Architectural	Glass	Window	clear	
F1	8	2	12	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	8	2	1	Food Service	Plastic	cup	clear	
F1	8	2	1	Personal	Metal	grommet		
F1	9	1	9	Architectural	Metal	Nail	Round	

Transect	STP	Level	Count	Class	Material	Type	Attributes	Age
F1	9	1	3	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	9	1	13	Architectural	Glass	Window	Clear	
F1	9	1	1	Faunal	Bone	Mammoth	Butchered	
F1	9	1	1	Food Storage & Prep	Metal	Bottle cap		
F1	10	1	9	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	10	1	7	Architectural	Glass	Window	clear	
F1	10	1	1	Architectural	Asbestos	tile		
F1	10	1	1	Architectural	Slag			
F1	10	1	3	Faunal	Shell	snail		
F1	10	1	1	Food Service	Ceramic	Whiteware	plain	1820-2010
F1	10	1	2	Food Storage & Prep	Glass	Container	clear	
F1	10	1	1	Personal	Kaolin	Pipe Stem		
F1	10	1	1	Personal	Glass	Button		
F1	11	1	1	Architectural	Glass	Window	clear	
F1	12	1	7	Architectural	Glass	Window	clear	
F1	12	1	3	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	12	1	1	Food Service	Ceramic	Rockinghamware		

Transect	STP	Level	Count	Class	Material	Type	Attributes	Age
F1	12	1	1	Food Storage & Prep	Plastic	bottle cap		
F1	13	1	1	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	14	1	1	Architectural	Glass	Window	Clear	
F1	16	2	9	Architectural	Metal	Nail	Round	
F1	16	2	1	Personal	Shell	button		
F1	17	2	12	Architectural	Glass	Window	clear	
F1	17	2	1	Architectural	Ceramic	terra cotta		
F1	17	2	10	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F1	17	2	1	Architectural	Metal	Roofing Tack		
F1	17	2	2	Architectural	Metal	Unidentified		
F1	17	2	4	Food Service	Ceramic	Whiteware	plain	1820-2010
F2	1	1	9	Architectural	Glass	Window	Clear	
F2	1	1	12	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F2	1	1	4	Architectural	Metal	Hinge	Door Hinges	
F2	1	1	2	Food Service	Ceramic	Stoneware	Brown	
F2	1	1	2	Food Storage & Prep	Ceramic	Redware	Plain	
F2	1	1	1	Furnishings	Glass	Lamp Hurricane		

Transect	STP	Level	Count	Class	Material	Type	Attributes	Age
F2	2	1	1	Personal	Kaolin	Pipe bowl	burned	
F2	2	2	2	Architectural	Metal	Unidentified		
F2	2	2	22	Architectural	Metal	Sheet		
F2	2	2	11	Architectural	Glass	Window	CLear	
F2	2	2	9	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F2	2	2	1	Food Storage & Prep	Glass	Container	pink	
F2	3	1	1	Architectural	Metal	nail	Machine cut, rectangle	1835-1910
F2	4	1	6	Architectural	Glass	Window	Clear	
F2	4	1	1	Architectural	Ceramic	Sewer Pipe		
F2	4	1	1	Architectural	Metal	Hinge		
F2	4	1	7	Architectural	Metal	Nail	Round	
F2	4	1	4	Architectural	Metal	Nail	Machine cut, rectangle	1835-1910
F2	4	2	1	Precontact	Projectile P	Chert	non-diagnostic	
F2	4	2	1	Precontact	Fire Crack	sandstone		
F2	4 N2	1	1	Precontact	Chert	Debitage	Tertiary Reduction flakes	
F4	5	1	5	Architectural	Metal	bracket	rusted	
SF 1	Schunemunk Precontact Site		1	Precontact	Chert	Biface/ Project	Base of Adena Point	Early Woodland

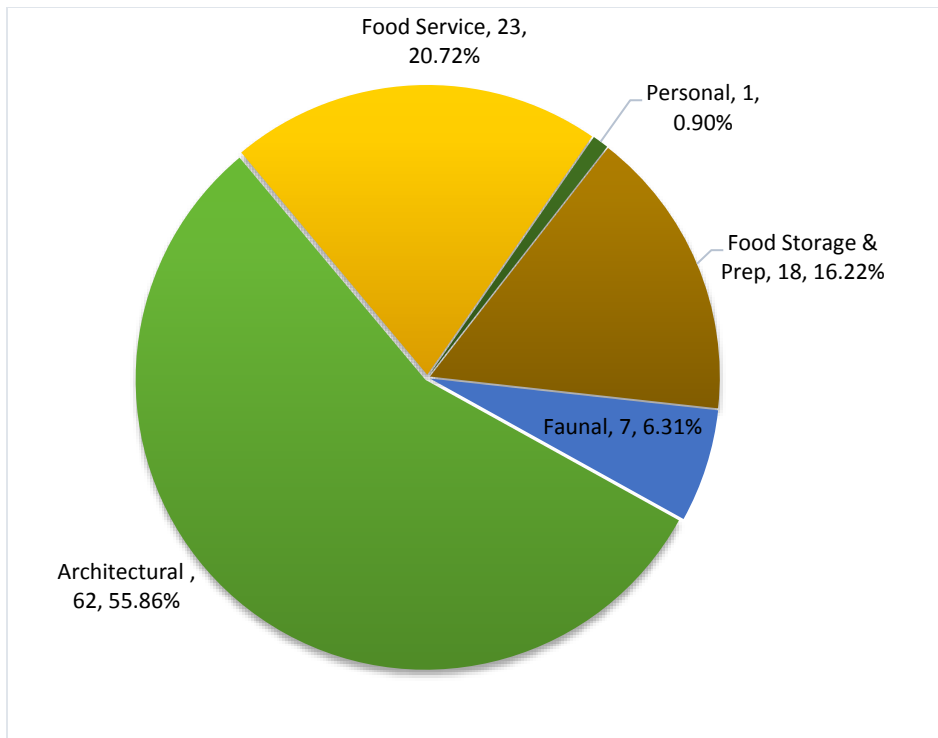


Chart 1: Material Type Recovered from the M. H. Howell Farm Complex.

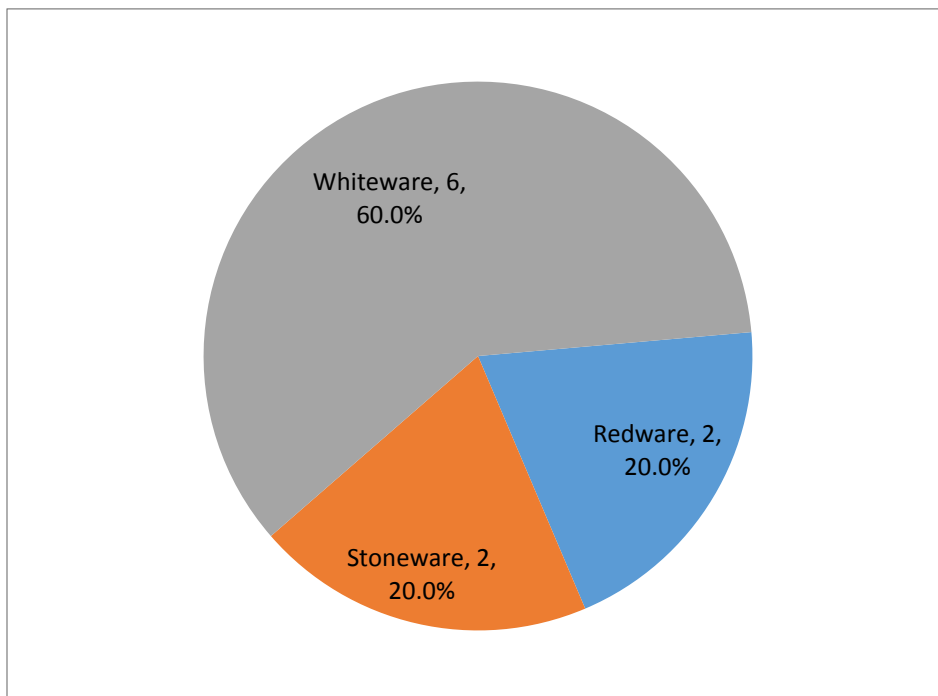


Chart 2: Ceramic Types Recovered from the M. H. Howell Farm Complex.

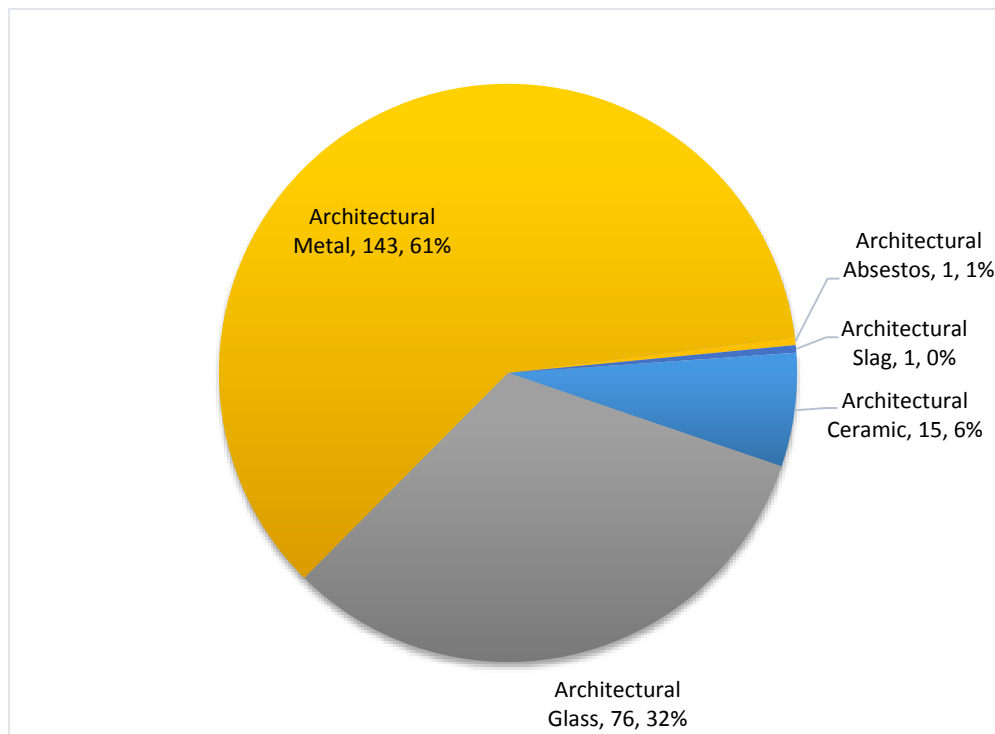


Chart 3: Architectural Material Recovered from the M. H. Howell Farm Complex.

APPENDIX F: ARTIFACT PHOTOGRAPHS

LIST OF PHOTOGRAPHS

- Photo 1: A non-diagnostic projectile point recovered from the Clove Road Precontact Site, adjacent to Foundation 2.
- Photo 2: A biface fragment recovered from the ground surface within the Schunemunk Precontact Site, exhibits the characteristics of the base of an Adena Projectile point.
- Photo 3: An Atlantic Projectile point (left) was recovered from the disturbed back dirt during a surface reconnaissance in 2016. An example of the projectile points in this class is shown to the right (Source: A New England Typology (Boudreau, Jeff) 2008).
- Photo 4: A broken biface was recovered from the ground surface within the Schunemunk Precontact site in 2016.
- Photo 5: A large biface or knife was recovered from the ground surface in 2016.
- Photo 6: A yellow jasper, or a heat altered chert Normanskill Projectile point was recovered from ST 531 within the Schunemunk Precontact Site.



Photo 1: A non-diagnostic projectile point recovered from the Clove Road Precontact Site, adjacent to Foundation 2.



Photo 2: The biface fragment recovered from the ground surface within the Schunemunk Precontact Site, exhibits the characteristics of the base of an Adena Projectile point.



Photo 3: An Atlantic Projectile point (left) was recovered from the disturbed back dirt during a surface reconnaissance in 2016. An example of the projectile points in this class is shown to the right (Source: A New England Typology (Boudreau, Jeff) 2008).



Photo 4: A broken biface was recovered from the ground surface within the Schunemunk Precontact site in 2016.



Photo 5: A large biface or knife was recovered from the ground surface in 2016.



Photo 5: A yellow jasper, or a heat altered chert Normanskill Projectile point was recovered from ST 531 within the Schunemunk Precontact Site.