



HARTGEN

archeological associates inc

**PHASE IB ARCHEOLOGICAL RECONNAISSANCE SURVEY FOR
MILTON STP SDWK(8) (HOBBS ROAD) AND ARCHEOLOGICAL
RESOURCE ASSESSMENT (MCMULLEN ROAD)**

Hobbs Road and McMullen Road Sidewalks

Town of Milton
Chittenden County, Vermont

HAA # V558-31

Submitted to:

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ABSTRACT

Hartgen Archeological Associates, Inc. (HAA) was contracted to conduct Phase I archeological reconnaissance survey for the Milton STP SDWK (8) Hobbs Road Sidewalk project and the McMullen Road Sidewalk project in the Town of Milton, Chittenden County, Vermont. The Hobbs Road alignment had been examined by VTrans staff who recommended Phase IB survey. The McMullen Road project does not have VTrans involvement and required an archeological resource assessment to determine the need for Phase IB survey. The Hobbs Road survey and McMullen Road site visit were conducted on May 31 and June 1, 2011. Thomas R. Jamison was the project director and Bruce Sterling and John Ham acted as field crew. Report maps were drafted by Bruce Sterling. Jessica Reed and Shannon Wright conducted the lab work of entering the shovel test records and processing the archeological collection. The survey was conducted to meet the regulations of Section 106 of the National Historic Preservation Act of 1966, as amended.

The Hobbs Road project is proposed to consist of approximately 2,200 linear feet (671 m) of 5 foot (1.5 m) wide concrete sidewalk along the north side of Hobbs Road. The McMullen Road project is proposed to consist of approximately 4,123 linear feet (1,256 m) of 5 foot (1.5 m) wide concrete sidewalk along the west side of McMullen Road. The project APE for Hobbs Road is approximately 0.76 acres (0.31 ha) and the APE for McMullen Road is approximately 1.42 acres (0.57 ha).

The Phase IB survey of the Hobbs Road alignment consisted of the excavation of 29 shovel tests within two sensitivity areas defined by the VTrans archeology officer. These areas were located west (Sta. 29+00 to 31+00, 200 ft/61 m) and east (Sta. 36+00 to 44+00, 800 ft/244 m) of a small brook that crosses the APE. These areas were tested with Tests 1 through 7 and 8 through 29 respectively. In addition, Tests 30 and 31 were excavated 5 meters (16 ft) on either side of Test 3.

Test 3, west of the brook, encountered a high concentration of chert flakes at 37 to 83 cm (15 to 33 in) in depth. No diagnostic artifacts were found in the test. Adjacent tests did not encounter any precontact artifacts and their stratigraphic profiles were more typical of the area. This deposit has been assigned the Vermont Archeological Inventory (VAI) number VT-CH-1101 and named the St. Amour Site. Further to the east, Tests 14 to 17 encountered a buried A horizon containing 19th-century domestic artifacts. This deposit is a sheet midden that may be associated with the 19th-century occupation of the adjacent standing structure. This site has been assigned the VAI number VT-CH-1102 and named the Wells Site.

For the McMullen Road sidewalk, an ARA was conducted and determined that there is extensive disturbance from water and gas installations present through most of the APE. The one exception is the extreme southern end where no utility alignments are known to exist.

Although two close interval shovel tests were excavated at the St. Amour Site, the site boundaries are in question. In addition, the interpretation of the deposits encountered in Test 3 is unclear due to the unusual stratigraphy compared to adjacent tests. It is recommended that limited Phase II site evaluation excavations be conducted at the St. Amour Site to examine, in greater detail the deposit in Test 3, attempt to define site boundaries within the APE and assess the site's National Register eligibility. The deposits within the APE at the Wells Site are interpreted to be the edge of a sheet midden that is likely to be more intact and extensive outside of the APE. Therefore, no further work is recommended for that location. For the McMullen Road alignment, shovel testing in the undisturbed section of the APE is recommended.

Project area coordinates in NAD83 UTM Zone 18N:

West end Hobbs Road APE:	649262.0m, 4942218.6m
Intersection of Hobbs and McMullen Roads:	649861.8m, 4941911.2m
North end McMullen Road APE:	649786.6m, 4943173.1m

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PHASE IB ARCHEOLOGICAL RECONNAISSANCE SURVEY AND ARCHEOLOGICAL RESOURCE ASSESSMENT

MANAGEMENT SUMMARY AND RECOMMENDATIONS

The Phase IB archeological reconnaissance survey for the Milton STP SDWK (8) sidewalk project on Hobbs Road and the archeological resource assessment (ARA) for the McMullen Road sidewalk project was conducted in the Town of Milton, Chittenden County, Vermont. The purpose of the fieldwork was to examine the project alignments for archeological sites (Hobbs Road) and archeological potential (McMullen Road). Both alignments were determined to be archeologically sensitive due to their proximity to Malletts Brook and its tributaries and other environmental factors, as well as a high number of reported sites in the vicinity. Disturbance from utility lines has disturbed parts of the Hobbs Road alignment and most of the McMullen Road alignment, leaving few areas of archeological potential. Two areas of the Hobbs Road alignment were examined by shovel testing, resulting in the identification of a precontact site and a 19th-century historic site. Limited Phase II site evaluation excavation is recommended at the precontact site and Phase IB reconnaissance survey is recommended at the southern end of the McMullen Road alignment. Avoidance of these areas is preferred, but does not appear to be an option for the project.

INTRODUCTION

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by the Town of Milton to conduct a Phase IB archeological reconnaissance survey for the proposed Hobbs Road sidewalk project and an archeological resource assessment for the proposed McMullen Road sidewalk project located in the Town of Milton, Chittenden County, Vermont. The lead agency for this project is the Vermont Agency of Transportation (VTrans). This survey and assessment were conducted to comply with Section 106 of the National Historic Preservation Act. The investigation was conducted according to the Vermont State Historic Preservation Office's Guidelines for Conducting Archeology in Vermont (2002).

PROJECT INFORMATION

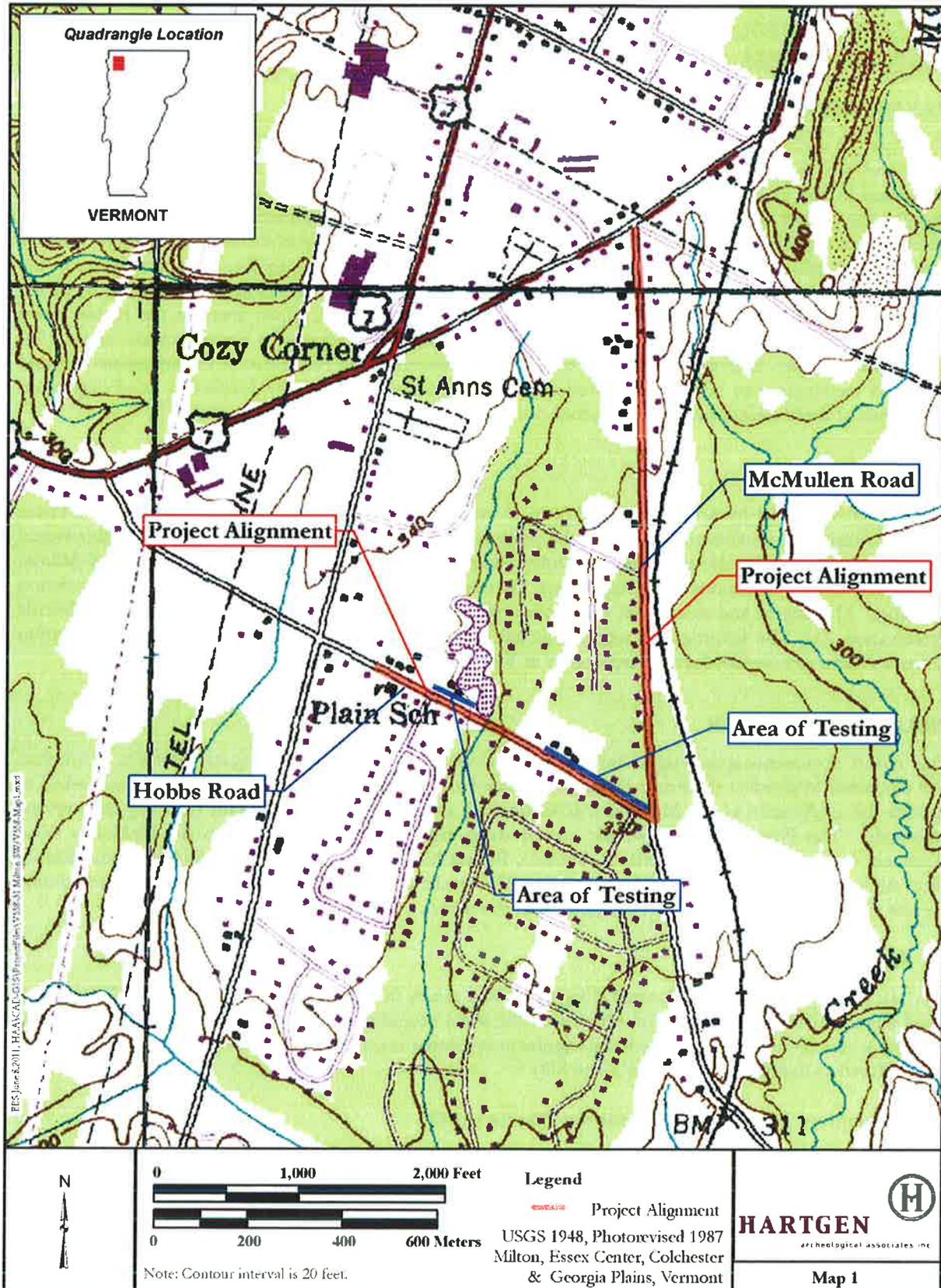
This report documents archeological investigation of two proposed sidewalk projects. Initially, HAA, Inc. was contacted to conduct the Phase IB survey for the Hobbs Road sidewalk, but was subsequently asked to include the assessment of the McMullen Road sidewalk as a way to reduce the cost of doing each review separately. The Phase IB survey of the Hobbs Road alignment and a site visit to the McMullen Road alignment were conducted by Thomas R. Jamison, Project Manager with Bruce B. Sterling and John Ham as Field Archeologists on May 31 and June 1, 2011. The results of the survey and information gathered during the site visit are included in the relevant sections of the report.

Project Location

The two project alignments are located along residential streets in the Town of Milton (Map 1). The Hobbs Road alignment is located on the north side of the road, extending from Emile Drive to McMullen Road (Maps 2A and 2B). The McMullen Road alignment is located on the west side of the road, extending from Hobbs Road to Railroad Street (Maps 3A to 3D).

Description of the Area of Potential Effects (APE)

The area of potential effects (APE) includes all portions of the property that will be directly or indirectly altered by the proposed undertaking. The project APE includes the footprint of the sidewalk, adjacent areas disturbed during construction, staging areas, access roads, etc. The construction is expected to take place from the adjacent road surface and there are no plans for staging areas or access roads.



Map 1. Project Location.

Milton STP SDWK (8), Hobbs Road Sidewalk (Maps 2A and 2B): This project consists of the installation of approximately 2,200 linear feet (671 m) of 5 foot (1.5 m) wide concrete sidewalk along the north side of Hobbs Road. The sidewalk will generally be located 4 feet (1.2 m) off of the edge of the paved roadway, with the exception of approximately 300 to 500 linear feet (91 to 152 m) of sidewalk which will be located at the edge of the roadway with a curb. This project also incorporates a 2 foot (0.6 m) high retaining wall, and the installation of permanent sheeting at the culvert crossing near the pond. There are approximately five temporary easements, which are associated with the retaining wall and the sheeting areas.

McMullen Road Sidewalk (Maps 3A to 3D): This project consists of the installation of approximately 4,123 linear feet (1,256 m) of 5 foot (1.5 m) wide concrete sidewalk along the west side of McMullen Road. The sidewalk for this phase of the project will be within 4 feet (1.2 m) of the edge of the pavement.

Based on the proposed effects listed above, the APE includes:

- Hobbs Road - 0.76 acres (0.31 ha).
- McMullen Road - 1.42 acres (0.57 ha).

RESEARCH DESIGN

The project objectives are to identify areas of archeological sensitivity based on environmental factors, known site information and historical information for the project APE and the general vicinity as appropriate. The Hobbs Road alignment had been previously examined by VTrans and two sensitivity areas were defined. Therefore, the Phase IB archeological reconnaissance survey was conducted in those areas. Review of the McMullen Road sidewalk project was not conducted by VTrans, so is included in this report as an Archeological Resource Assessment to identify areas of archeological sensitivity.

ENVIRONMENTAL BACKGROUND

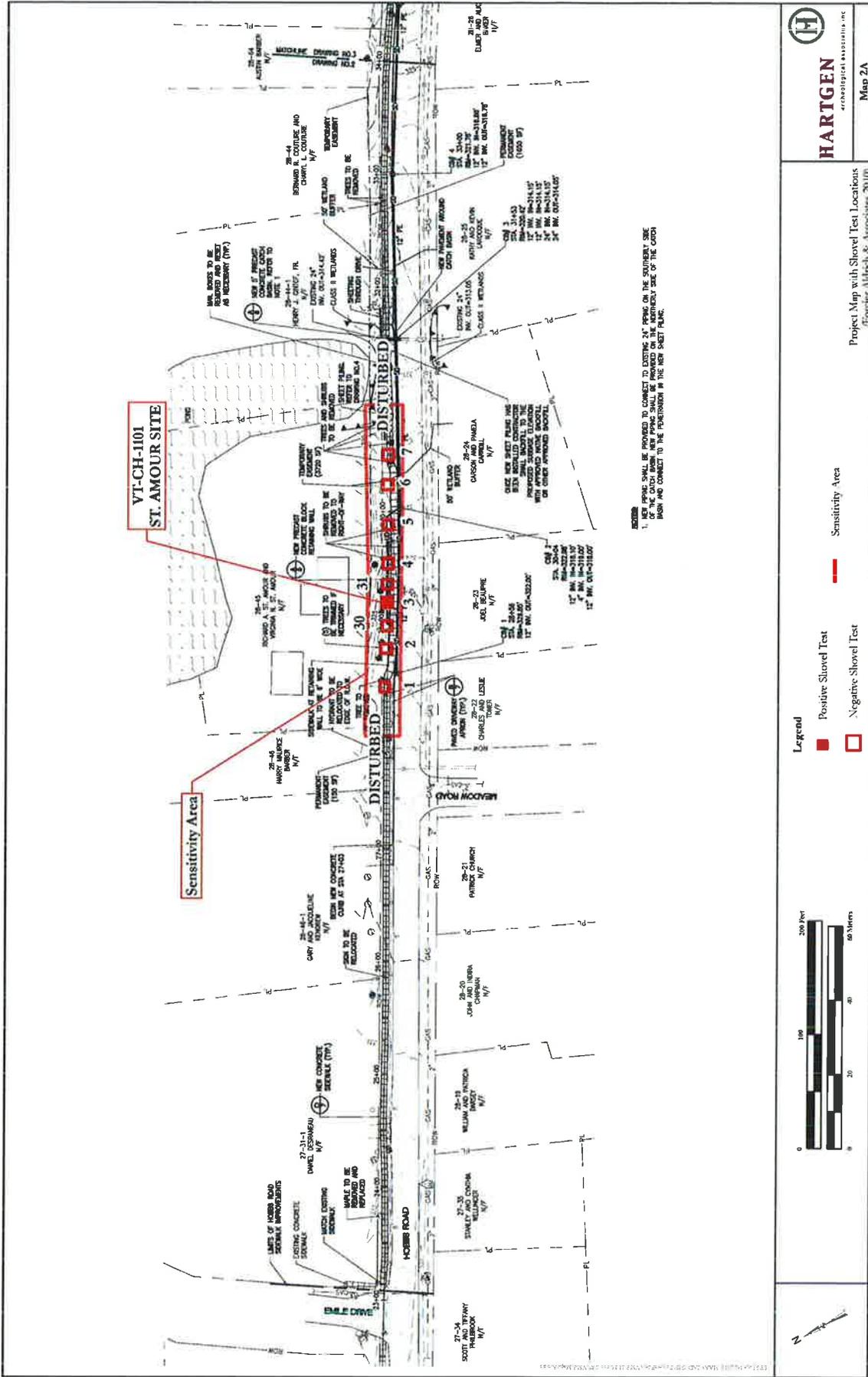
The environment of an area is significant for determining the sensitivity of the project area for archeological resources. Precontact and historic groups often favored level, well-drained areas near wetlands and waterways. Therefore, topography, proximity to wetlands, and soils are examined to determine if there are landforms in the project area that are more likely to contain archeological resources. In addition, bedrock formations may contain chert or other resources that may have been quarried by precontact groups. Soil conditions can provide a clue to past climatic conditions, as well as changes in local hydrology.

Present Land Use and Current Conditions

Currently, the project area is a fairly densely settled residential neighborhood. Both sides of Hobbs Road are lined with houses and some trees. Water and gas lines extend along most of the south side of Hobbs Road with some water alignment along the north side of the road, west of the area examined in the archeological survey. On McMullen Road, the alignment is mostly wooded with houses interspersed along the entire west side of the road, while the east side is more sparsely developed, due to the close proximity of the railroad line near the middle of the alignment (Map 1). Utilities on McMullen Road include water and gas lines that extend along both sides of the road for nearly the entire length.

Soils

The soils of both the Hobbs Road and McMullen Road alignments are of the Adams and Windsor loamy sands. Most of the APE is at 0 to 5 percent slope, although there are small areas adjacent to brook that crosses Hobbs Road and in the southern end of the McMullen Road alignment that are at 12 to 30 percent slope (USDA 2011). In this area, Adams and Windsor soils formed on glacio-lacustrine deposits of Pleistocene Lake Vermont (Doll et al. 1970), indicating no potential for deeply buried archeological deposits.



NOTES
 1. NEW PIPING SHALL BE PROVIDED TO CONNECT TO EXISTING 24" PIPING ON THE SUBSTANTIAL SIDE OF THE CATCH BASIN. NEW PIPING SHALL BE PROVIDED ON THE APPROPRIATE SIDE OF THE CATCH BASIN AND CONNECT TO THE POSITIONING IN THE NEW SHEET PLANS.

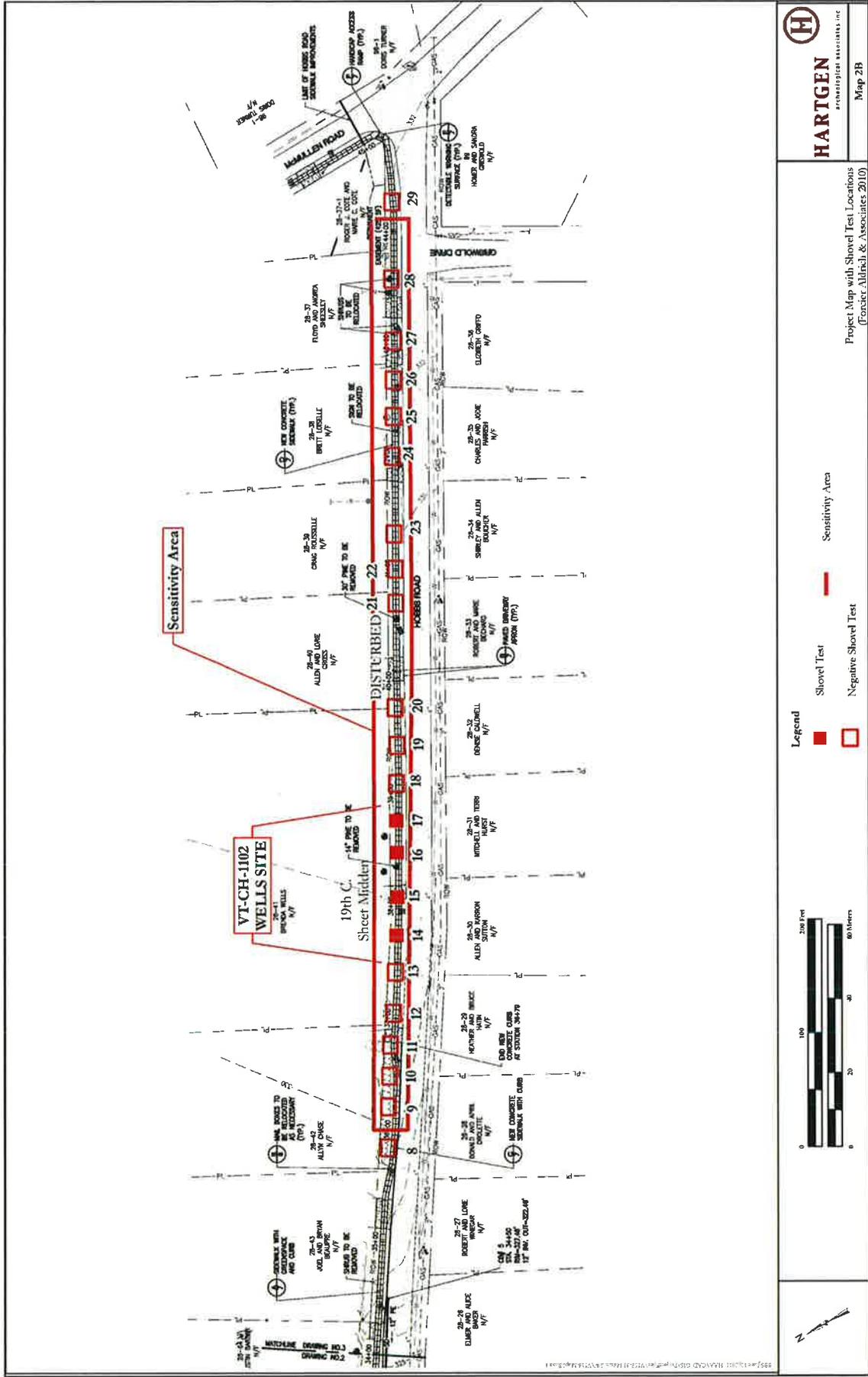
Project Map with Shovel Test Locations
 (Forester, Albrecht & Associates 2010)

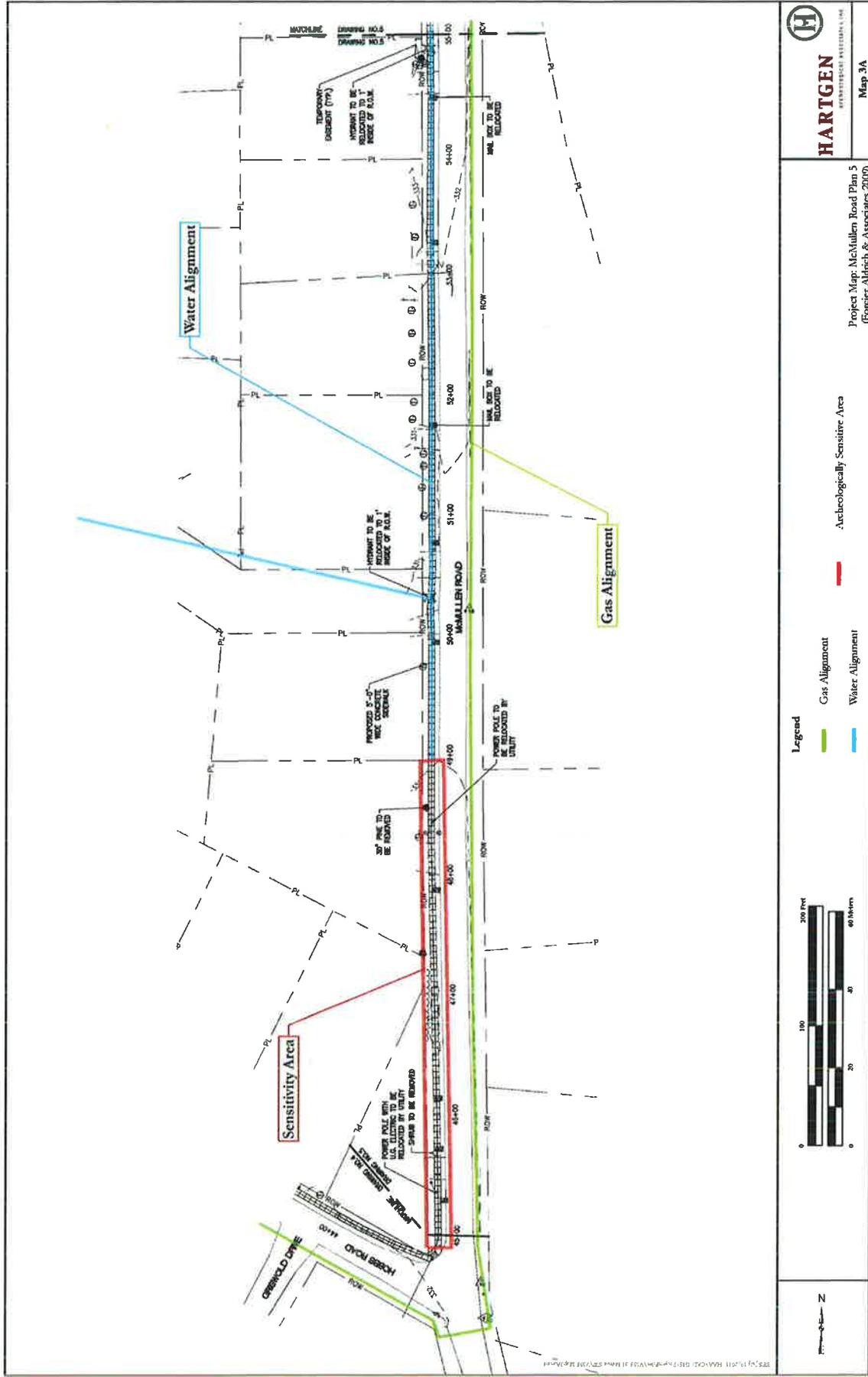
Legend

- Positive Shovel Test
- Negative Shovel Test
- Sensitivity Area



100% (A) (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)





HARTGEN
 ENGINEERING PROFESSIONAL S.E.
 Project: Map McMullen Road Plan 5
 (Foster, Adrich & Associates 2007)
 Map 3A

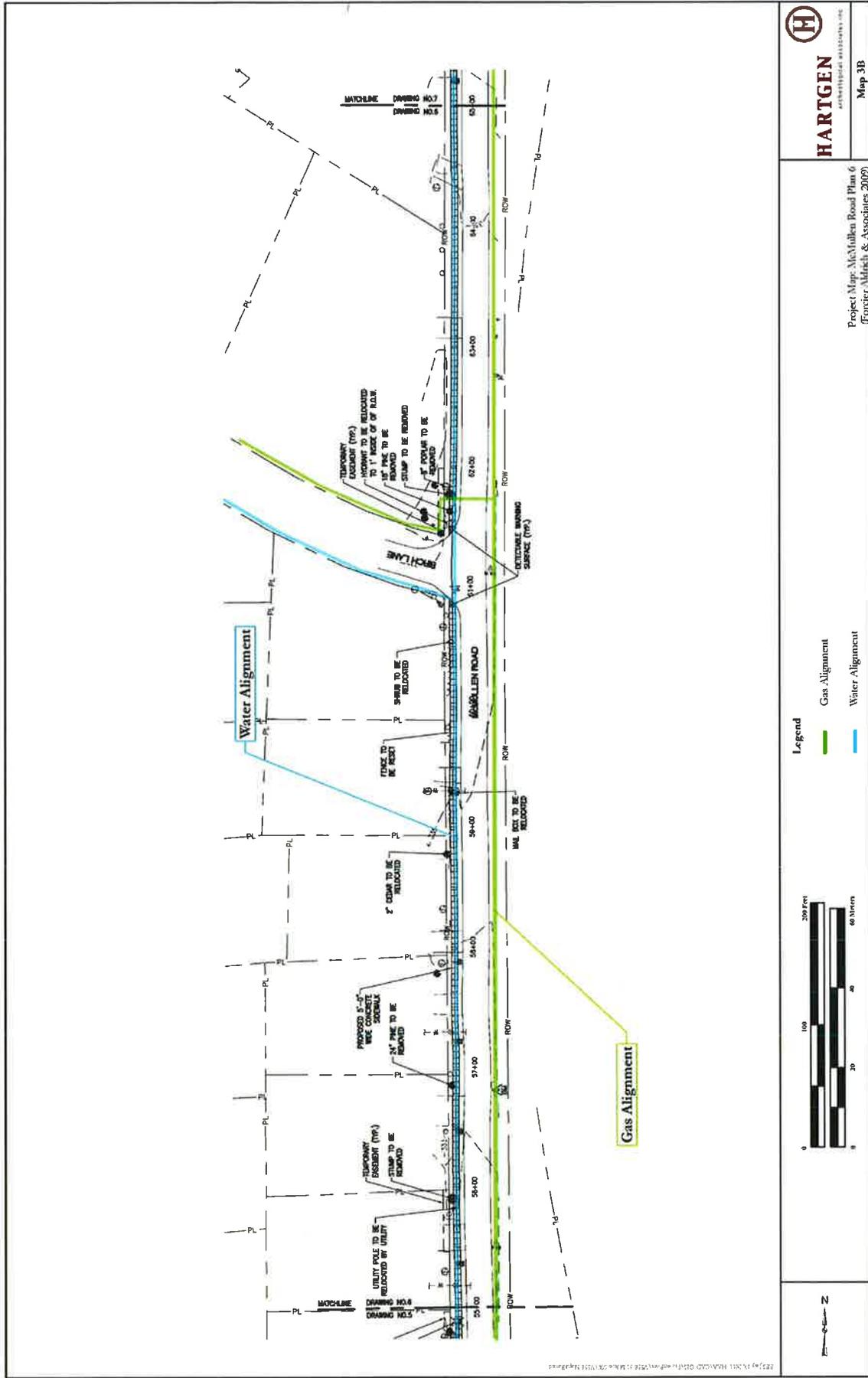
Legend

- Gas Alignment
- Water Alignment
- Archeologically Sensitive Area

Scale: 0 100 200 Feet / 0 20 40 Meters

North Arrow

DATE: 11/11/11
 DRAWN BY: J. W. WOODS
 CHECKED BY: J. W. WOODS
 PROJECT: LLOBAS ROAD (MILTON STP SDWK (B)) AND MCMULLEN ROAD SIDEWALKS, TOWN OF MILTON, CHITTENDEN COUNTY, VERMONT
 PHASE IB (HOBBS ROAD) AND ARCHEOLOGICAL RESOURCE ASSESSMENT (MCMULLEN ROAD)



Legend

- Gas Alignment
- Water Alignment

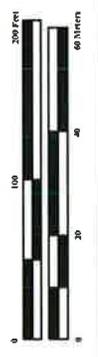


Table 1. Soils in Project Area

Name and symbol	Texture, Inclusions	Slope	Drainage	Landform
Adams and Windsor loamy sands, 0-5 percent slopes (AdA)	LoSa	0-5%	Excessively drained	Gently sloping sand plain
Adams and Windsor loamy sands, 12-30 percent slopes (AdD)	LoSa	12-30%	Excessively drained	Sloping sand plain

Key: Texture: Co-Coarse, Fi-Fine, Gv-Gravel(ly), Lo-Loam, Sa-Sand, Si-Silt, Vy-Very

Bedrock Geology

The bedrock of the project area is divided between the Skeels Corners formation along the Hobbs Road alignment and the Dunham formation along the McMullen Road alignment (Stone and Dennis 1964). The Skeels Corners formation consists of black shale with thin dolomitic layers. The Dunham formation is a siliceous dolomite that weathers to a buff color. Neither of these formations was heavily used by precontact groups, although they were probably exploited on an expedient basis. No bedrock exposures were noted in the project area. However, the chert bearing Hathaway and Clarendon Springs formations are both located short distances to the west of the project area (Doll et al. 1961) and were exploited by precontact groups for stone tool manufacture.

Physiography and Hydrology

The project area is quite level with small variations in topography associated with drainages that have cut through the sandy lake deposits. The project area elevation is approximately 100.6 meters (330 ft) above mean sea level. The Hobbs Road alignment is bisected by a small brook that flows north to south. A small pond is impounded north of the road. This brook drains most of the project area for Hobbs Road. Most of the McMullen Road area drains to the east into Malletts Creek that flows south and empties into Malletts Bay in Colchester, about 11.7 kilometers (7.27 mi) downstream (7.5 km/4.7 mi on a direct route).

DOCUMENTARY RESEARCH

Archeological Sites

Previously reported archeological sites provide an overview of both the types of sites that may be present in the project area and relation of sites throughout the surrounding region. The presence of few reported sites, however, may result from a lack of previous systematic survey and does not necessarily indicate a decreased archeological sensitivity within the project area.

An examination of the archeological site files at the Vermont Division for Historic Preservation (VDHP) identified fourteen reported archeological sites within a one mile (1.6 km) radius of the project area. Twelve of the sites date to the precontact era, including a possible Paleo-Indian site and sites dating to the Early Archaic, Middle and Late Woodland. The two historic sites include the location of a residence that appears on the 1857 Walling map and the other is the site of an early 20th-century paper mill.

Table 2. VAI Archeological Sites within One Mile (1.6 km) of the Project Area

VAI Site No.	Site Identifier	Description	Proximity to Project Area
VT-CH-315		Precontact site of unknown date (FCR, chert flakes, chert core)	0.57 mi to NW
VT-CH-316		Precontact site of unknown date (FCR, bifaces, calcined bone)	0.63 mi to NW
VT-CH-323		Precontact site of unknown date (quartzite flake)	0.61 mi to S
VT-CH-332	S. M. St. John Residence	Mid 19 th -century domestic site	0.36 mi to S
VT-CH-353		Precontact site of unknown date (chert flake)	0.68 mi to NW
VT-CH-354		Middle to Late Woodland site (pottery)	0.8 mi to NW

VAI Site No.	Site Identifier	Description	Proximity to Project Area
VT-CH-360	Sample Quadrat #7	Precontact site of unknown date (Ramah chert flake)	0.83 mi NW
VT-CH-362		Precontact site of unknown date (chert and quartz flakes, chert tools, bone)	0.63 mi to NW
VT-CH-363	Blue Heron Site	Early Archaic and Late Woodland site (Swanton corner notched projectile points, Levanna projectile point, knives, chert and quartzite)	0.64 mi to NW
VT-CH-369	Locality C2	Precontact site of unknown date (FCR, charcoal)	0.76 mi to N
VT-CH-370	International Paper Company	1899-1926 paper mill site (concrete foundations, standing brick structure)	0.78 mi to N
VT-CH-623		Woodland site (Levanna projectile point, scrapers, flakes, chert and quartzite)	0.15 mi to N
VT-CH-624		Precontact site of unknown date (scraper, flakes, bone, FCR)	0.11 mi to N
VT-CH-848		Possible Paleo-Indian (graver, perform, flakes)	0.95 mi to S/SW
VT-CH-861		Precontact site of unknown date (blade, flakes)	0.85 mi to S/SW

State and National Register

A search of the files at VDHP identified no State or National Register listed properties within or adjacent to the project area. None of the houses along the APE are considered eligible for listing on the State or National Registers.

Previous Surveys

There have been several previous archeological surveys conducted in the project vicinity. They account for many of the known archeological sites reported for the area. Table 3 outlines these previous surveys.

Table 3. Previous Archeological Surveys Within a Mile of the Project APE

Year	Consultant	Survey	Results	Location
1988	Frink and Mead	GBIC-PUD Development	VT-CH-323 VT-CH-332	0.47 mi to S
1988	Dillon and Thomas	Haydenberry Park Development	VT-CH-315 VT-CH-316	0.72 mi to W
1989a	Frink	Haydenberry Park Development	VT-CH-353 VT-CH-354 VT-CH-360 VT-CH-362 VT-CH-363	0.66 mi to W
1989b	Frink	Haydenberry Park Development	VT-CH-363	0.64 mi to W
1993	Baker and Frink	Desco Estates Project	VT-CH-623 VT-CH-624	0.13 mi to N
1995	Werner	GBIC-PUD Development	No cultural material	0.47 mi to S
2001	Frink and Hathaway	Tracy Property Residential Subdivision	VT-CH-848 VT-CH-861	0.85 mi to SW

HISTORICAL MAP REVIEW

Examination of the historic maps of the project area indicates that Hobbs Road was an early route in the town, while McMullen Road was a much later development. On the 1857 Walling map and the 1869 Beers Atlas, Hobbs Road is shown and McMullen Road is not (Maps 4 and 5). In 1857, Misses H. & M. Owen are shown as occupying a house at the west end of the Hobbs Road APE and a house labeled A. P. Wheelock is located near the middle of Hobbs Road. It is unclear if the Wheelock residence is the house currently located adjacent to the west side of the brook that crosses Hobbs Road (the St. Amour residence), or is the house further to the east along the alignment (the Wells residence). The inaccuracy of the 19th-century maps does

not help to make the determination. By 1869, the Owen residence is labeled F. McMullen. Two additional residences are shown along the Hobbs Road APE, labeled S. Prim and H. A. Davis. One of these was probably the Wheelock residence. The Prim residence appears to correspond to the current St. Amour residence next to the brook, while the Davis residence corresponds to the Wells residence further to the east.

McMullen Road does not appear on the historic maps until the 1915 USGS quadrangle (Map 6). At that time there are still three residences shown along the Hobbs Road APE and there are two along the McMullen Road APE. The 1948 USGS quadrangle depicts six residences along the Hobbs Road APE (with two barns shown) and approximately eight residences and two outbuildings along McMullen Road (Map 7).

ARCHEOLOGICAL RESOURCE ASSESSMENT

Precontact Archeological Sensitivity

Completion of the VDHP Archeological Predictive Model for the Hobbs and McMullen Road APE resulted in a score of 48 for Hobbs Road and 52 for McMullen Road (Appendix I). A score of over 32 is considered to indicate archeological sensitivity for precontact sites. These scores are based on proximity to Malletts Creek and unnamed tributaries, glacial outwash soils, head of drainage, natural travel corridors and the high reported site density. They also take into account disturbance in the APE.

The Vermont ArcheoMap GIS program confirms the precontact archeological sensitivity of the project alignments (Appendix II). The ArcheoMap identifies up to 11 sensitivity factors and VDHP considers even one sensitivity factor to indicate archeological sensitivity. The factors relevant to the project area include proximity to a permanent stream, water body, wetland, stream/water body confluence, head of drainage, stream confluence, paleo lake soils, glacial outwash and level terrain.

The numerous precontact sites in Milton indicate the area was heavily utilized during the precontact era. Sites range in date from the Paleo-Indian through the Late Woodland periods. These sites range from small single use sites that may have been occupied for less than a day to hunting and food processing stations to multiple component campsites.

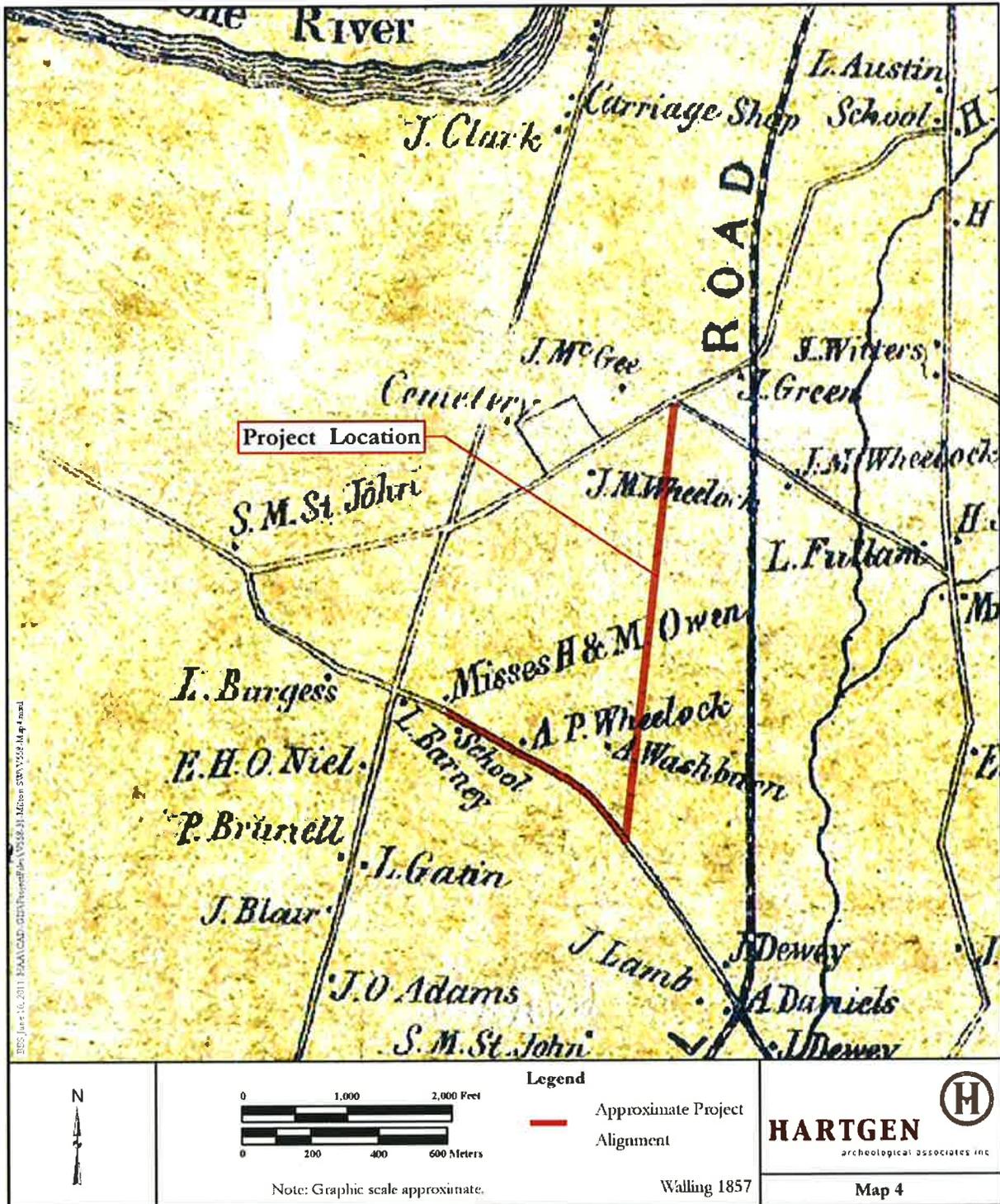
Historic Archeological Sensitivity

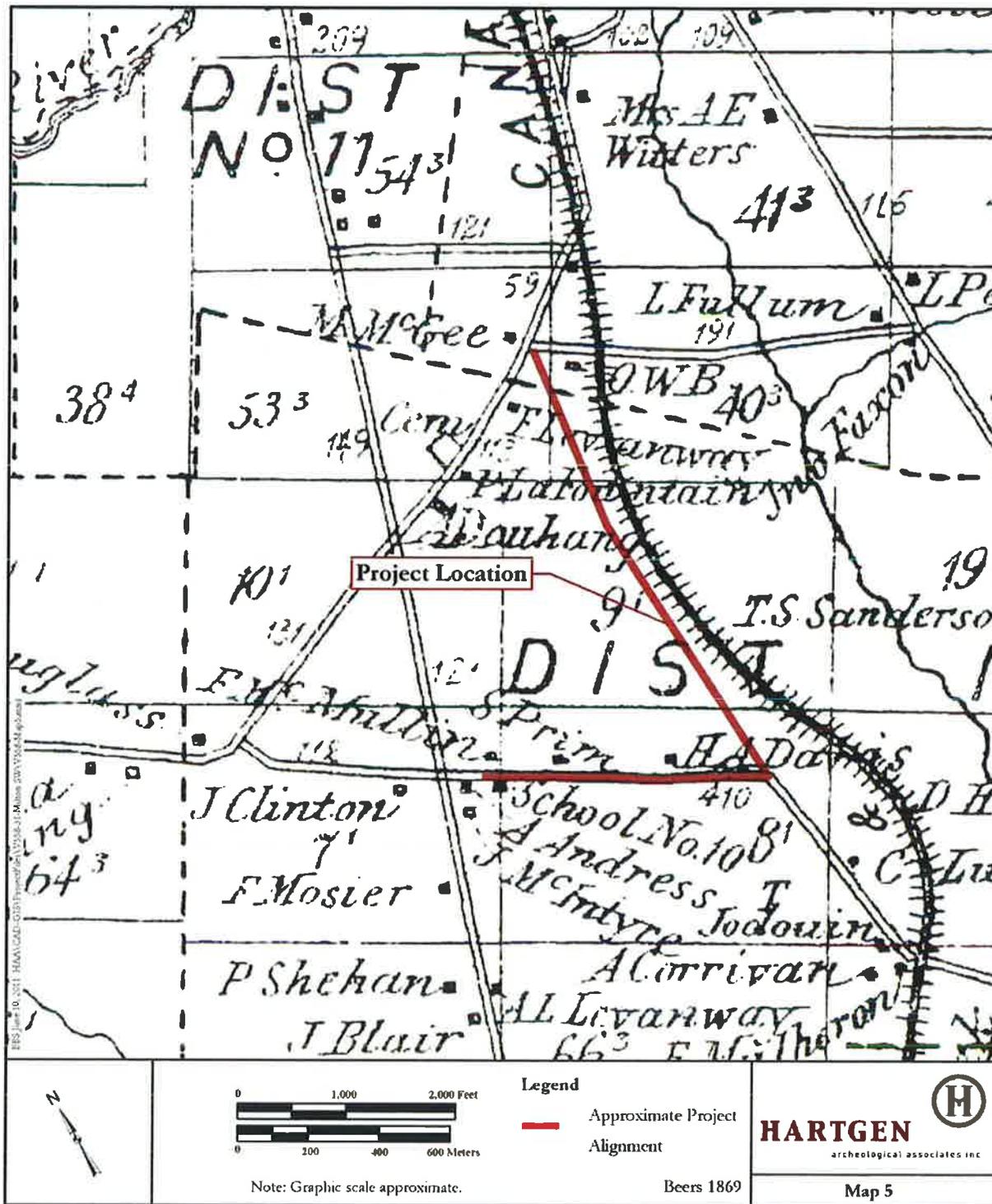
The historic archeological sensitivity of the project APE appears to be limited. The project APE is focused within the right-of-way of the two roads. The front yards of the two historic structures in the Hobbs Road APE are relatively undisturbed and may retain intact historic archeological deposits. Yard areas are often the location of sheet middens of mixed time periods of minimal archeological significance, but they can also contain significant deposits of long time depth that can provide important information (Borstel 2005). The review of the historic maps dating from 1856 to 1948 suggests that there has been minimal change of structure location during that time period. However, archeological remains of structures pre-dating those maps and landscape features that may not have appeared on the maps may be present within the APE. The late development of McMullen Road reduces the historic archeological potential of that alignment.

ARCHEOLOGICAL POTENTIAL

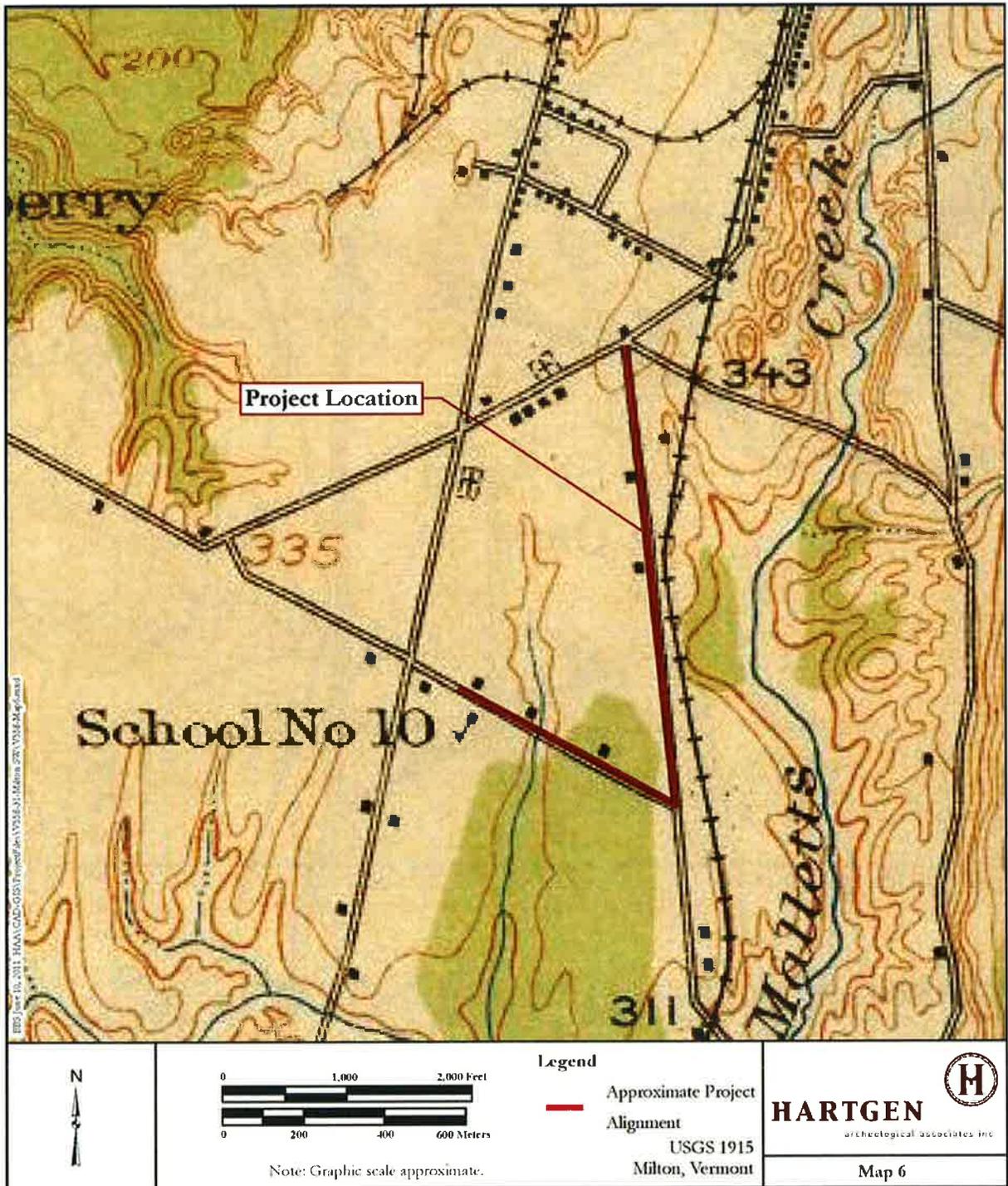
VTrans staff examined the Hobbs Road APE in January 2011. At that time two parts of the APE were identified as archeologically sensitive for precontact sites, the area from Sta. 29+00 to 31+00 and from Sta. 36+00 to 44+00 (Photos 1 and 2). These areas were identified as archeologically sensitive based on the proximity of known sites (VT-CH-263 and VT-CH-264), the lack of utility disturbance and environmental factors such as proximity to the brook, level terrain and outwash soils.

The McMullen Road APE has been heavily disturbed by utility installations. A small section at the southern end of the APE between Sta. 45+00 and 49+00 appears to be undisturbed and is considered archeologically sensitive for precontact deposits.





Map 5. Project area in 1869.



Map 6. Project area in 1915.

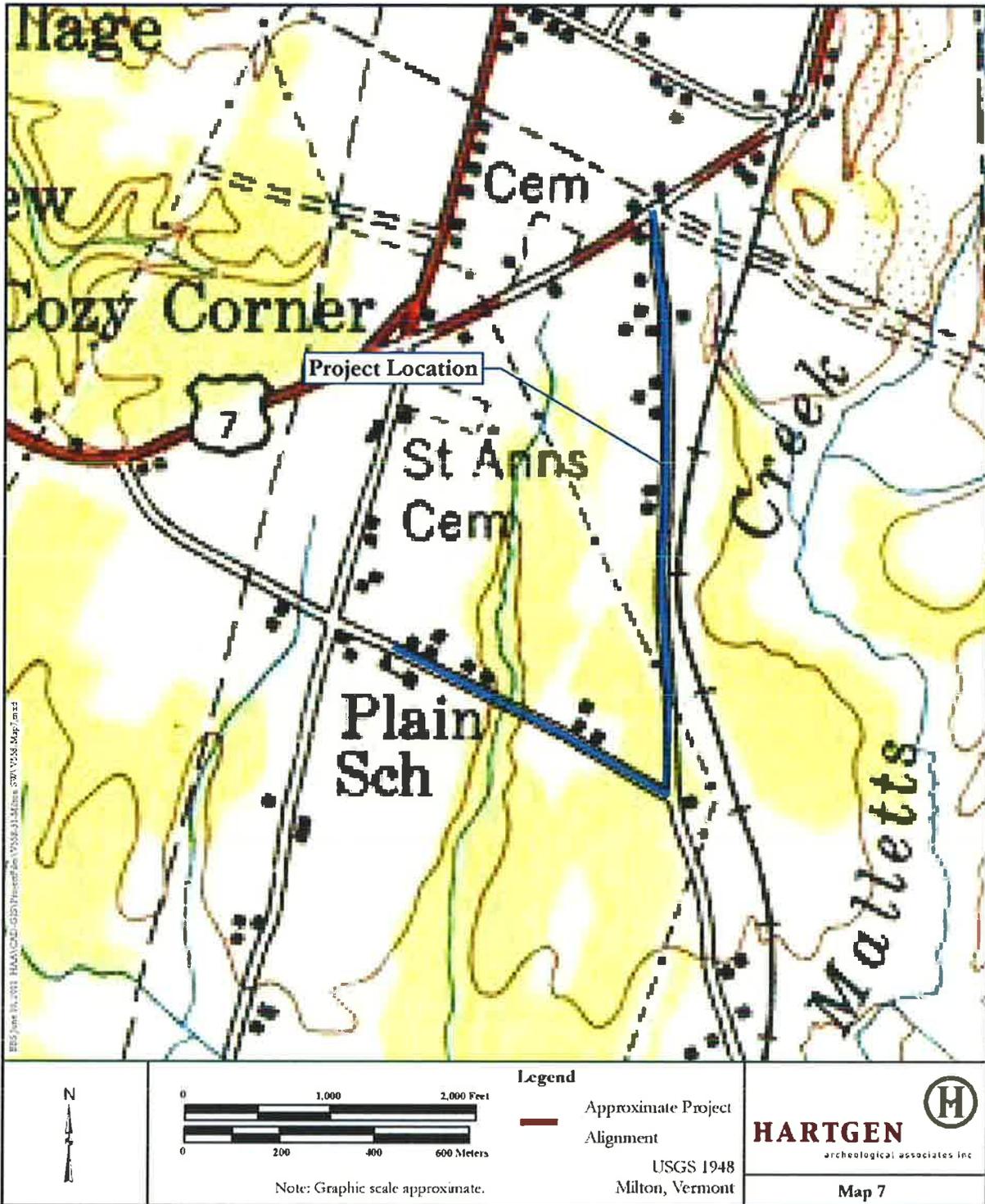




Photo 1. Hobbs Road, shovel testing west of the brook. Note level terrace in the foreground and lower terrace beyond. Tests 3 and 4 being excavated. View to the east/southeast.



Photo 2. Hobbs Road, shovel testing east of the brook. Note level terrain and residential neighborhood. View to the east/southeast.

As discussed above, the historic archeological potential of the APE appears low due to the close proximity to the roadside along Hobbs Road and the late development and disturbance from utility installations along McMullen Road.

PHASE IB ARCHEOLOGICAL RECONNAISSANCE SURVEY

Phase IB archeological reconnaissance survey was conducted along the project alignment on Hobbs Road on May 31 and June 1, 2011 (Maps 2A and 2B). The two areas of testing within the APE, Sta. 29+00 to 31+00 and Sta. 36+00 to 44+00, were identified by VTrans as archeologically sensitive.

As outlined in the scope of work (Appendix III), the archeological survey consisted of the excavation of 50 cm (1.6 ft) square shovel tests along the alignment within the two sensitive areas of the APE. The tests were excavated by stratigraphic levels, the soils were described, colors and depths recorded and artifacts bagged according to level. Artifacts were processed in the Hartgen lab and shovel test records and an artifact catalog are included as Appendix IV and V.

Twenty-nine shovel tests were excavated along the Hobbs Road alignment in the area of potential effects (APE) defined as up to 10 feet (3 m) in width. The tests were generally placed at 10 meter (33 ft) intervals with exceptions for areas of disturbance or to avoid trees and driveways.

West of the Brook

The sensitivity area west of the brook encompasses a raised terrace on the west end and a lower terrace directly adjacent to the brook (Photo 3). The intact soil stratigraphy of the area tested west of the brook consisted of 20 to 30 cm (8 to 12 in) of very dark brown sandy loam A horizon, over 20 cm (8 in) of dark yellowish brown sand B horizon, with an olive brown sand C horizon below. However, Tests 3, 4 and 6 encountered different degrees and types of disturbance.



Photo 3. Hobbs Road, shovel testing west of the brook. Note lower terrace in the foreground adjacent to the brook and the St. Amour house and upper terrace in the background. View to the west/northwest.

Test 4 was excavated on what appears to be the trench for a water service line to the adjacent St. Amour house. The test was excavated to 90 cm (3 ft) in depth and encountered a mottled dark grayish brown, very dark gray and olive brown soil with no stratigraphic breaks. Artifacts in this trench fill included wrought, cut and wire nails, redware, glass, pipe bowl, brick and a quartz fragment.

Test 5 was located at the southeast corner of the St. Amour house and encountered a variety of 19th-century ceramics, glass, brick, nails and bone, associated with the house. All of these artifacts were found in the A horizon, suggesting a sheet midden adjacent to the house.

Test 6 was excavated on the lower terrace adjacent to the brook and indicated disturbance of the surrounding area. The A horizon was very thin and there was no B horizon soil, indicating the area had been graded and topsoil spread over the exposed subsoil. We later learned from the landowner that he had an in-ground swimming pool removed from this landform a few years previously.

St. Amour Site (VT-CH-1101)

Test 3 (at about Station 29+20) encountered a different stratigraphy than surrounding tests that included what appeared to be a buried A horizon at approximately 37 cm (1.2 ft) below the surface. Within this buried A horizon and in the underlying B horizon to approximately 83 cm (2.7 ft), was a high concentration of chert flakes. A few 19th-century artifacts were encountered above the buried A horizon. The few historic artifacts were found at the interface of the A and B horizons. The B horizon contained flakes and no historic artifacts.

The flakes found in Test 3 were of two different chert types, Hathaway and Clarendon Springs (Photo 4). They were found in Levels 3, 4 and 5. Twenty of the flakes were of Clarendon Springs chert and 118 were of Hathaway. The flakes were primarily thinning flakes and trim flakes, associated with reshaping and sharpening stone tools such as projectile points, spear points and knives. The larger amount of Hathaway material may account for the presence of some shatter, a block flake and a utilized flake in the collection.



Photo 4. Hobbs Road, St. Amour Site (VT-CH-1101): top row: utilized flake 1763.2.1 (Hathaway chert); middle row five thinning flakes 1763.2.2 (Hathaway chert); bottom row: two trim flakes 1763.2.7, thinning flake 1763.3.1, three thinning flakes 1763.3.2, thinning flake 1763.2.5 (all bottom row Clarendon Springs chert).

Upon completion of the shovel testing along the Hobbs Road alignment, Tests 30 and 31 were excavated, five meters (16.4 ft) east and west of Test 3. These tests did not exhibit the buried A horizon of Test 3 and no additional flakes were encountered. The site has been assigned the Vermont Archeological Inventory number VT-CH-1101 (the St. Amour Site). Although the site is focused on Test 3 and the precontact deposit, the historic artifacts in Tests 4 to 7 and 31 are considered a historic component associated with the 19th-century occupation of the site.

East of the Brook

Tests 8 through 29 were excavated east of the brook (Map 2B) with only small areas skipped over due to the presence of driveways and disturbance. The stratigraphy of these tests was more complex than the tests located west of the brook, due to disturbance and filling along the side of the road. Eight of the 22 tests had intact stratigraphy. The remaining tests exhibited stratigraphy that included various amounts of fill such as sand, gravel and cobbles. The high frequency of fill along this portion of the APE is probably related to the area being at or (in the case of parts of the eastern end) below the road surface when the gravel road was maintained by spreading gravel regularly. The fill ranged from approximately 10 to 50 cm (4 to 20 in) in depth throughout this alignment. With the exception of the Wells Site discussed below, there was a low frequency of late 19th- and 20th-century artifacts encountered in these tests.

Wells Site (VT-CH-1102)

In the western third of the sensitivity area east of the brook and between Sta. 37+50 and 39+00, Tests 14 to 17 encountered an area of higher concentration of historic artifacts in the vicinity of the house at #60 Hobbs Road. Although currently covered with vinyl siding, this house may be a rehabilitated 19th-century house that appears on the 19th-century maps labeled A. P. Wheelock in 1857 and H. A. Davis in 1869 (Maps 4 and 5; Photo 5). The stratigraphy of Tests 14 to 17 included 20 to 30 cm (8 to 12 in) of sandy fill associated with road maintenance from when Hobbs was a gravel road to the present. Under this sandy fill was a buried A horizon that contained the 19th-century artifacts.

The artifacts are dominated by domestic ceramics with a few glass and architectural materials. The ceramics include fragments of lead and copper glazed redware, blue edged whiteware, flow blue transfer print whiteware, sponge decorated whiteware and polychrome hand painted whiteware (Photos 6 and 7). The architectural materials include cut and wire nails, brick and window glass.

The high frequency of artifacts coinciding with the adjacent house suggests they are the edge of a sheet midden dating to the 19th-century occupation of the house. The site has been assigned the Vermont Archeological Inventory number VT-CH-1102 (the Wells Site).



Photo 5. House at #60 Hobbs Road, possible 19th-century house associated with the Wells Site (VT-CH-1102) encountered in four shovel tests along the adjacent roadside. View to the east.



Photo 6. Hobbs Road, Wells Site (VT-CH-1102): top row: blue edged whiteware plate fragment [1763.14.3]; bottom row: lead glazed redware 1763.14.2 and lead glazed slip decorated redware 1763.14.1.



Photo 7. Hobbs Road, Wells Site (VT-CH-1102): top row: blue transfer print whiteware plate fragment, 1763.17.5, flow blue transfer print whiteware plate fragment 1763.17.4; bottom row: hand painted polychrome whiteware 1763.17.8, hand painted polychrome whiteware footring and base fragment 1763.17.11, blue hand painted whiteware 1763.17.7 and red hand painted whiteware 1763.17.9.

DISCUSSION

Based on the excavations conducted to date, the St. Amour Site (VT-CH-1101) appears to be a very circumscribed deposit of lithic debitage derived from tool reshaping and sharpening. The difference in the stratigraphy between Test 3 and the adjacent tests has not been explained. Further excavations would help to determine if the site is more extensive and examine the nature of the deposit encountered in Test 3.

The two chert material types encountered in Test 3, Hathaway and Clarendon Springs, are found in relatively close proximity to the project area, along the shore of Lake Champlain. Hathaway chert is known to have been quarried in the St. Albans vicinity and Clarendon Springs chert outcrops in the Charlotte and Colchester vicinities (Burke 1997). Many sites in the area have lithics derived from these two sources. It is likely that the occupants of the project area migrated through the region on a seasonal round that included visits to lithic sources to obtain raw materials for stone tool production.

The Wells Site (VT-CH-1102) appears to be domestic deposits associated with a 19th-century occupation along Hobbs Road that probably corresponds to the Wheelock and Davis families whose house appears on the 19th-century maps. The standing structure adjacent to the archeological site may be the 19th-century house that has been modified.

Most of the McMullen Road APE has been disturbed by installation of water and gas utility lines adjacent to the road. A small section of the southern end of the APE has not been disturbed and is considered sensitive for precontact archeological deposits.

RECOMMENDATIONS

Project construction as designed would destroy the deposits encountered in Test 3 and possibly other components of the St. Amour Site (VT-CH-1101) that have not been identified. The project can not be redesigned to avoid this area. Therefore, limited Phase II archeological site evaluation excavations are proposed for the St. Amour Site. Such excavations would consist of a larger unit over Test 3 to provide a better view of the stratigraphy and deposits in that area and additional shovel tests around Test 3 to help

Hobbs Road (Milton STP SDWK (8)) and McMullen Road Sidewalks, Town of Milton, Chittenden County, Vermont
Phase IB (Hobbs Road) and Archeological Resource Assessment (McMullen Road)

define site boundaries. The deposits at the Wells Site (VT-CH-1102) represent the edge of a sheet midden that probably extends north around the standing structure. Since the project APE is narrow and the deposit is likely to extend outside of the APE, no further excavations are recommended in this area. The undisturbed portion of the McMullen Road APE should be examined through shovel testing.

VTrans archeology officer, Jen Russell provided concurrence with these recommendations on July 20, 2011 (Russell 2011).

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APPENDIX I: VDHP Environmental Predictive Model

**Vermont Division for Historic Preservation
Archeological Resources Assessment Form**

DHP# _____
Organization & Recorder: **HAA, INC./T. Jamison**

Date: 7/14/2011

Hobbs Road

Environmental Predictive Model			ArcheoMapTool GIS Model		Field Inspection Comments
Variable	Proximity	Value	Assigned Score	Variable	
A. Rivers and Streams (Existing or relict)					
1) Proximity to Rivers and Permanent Streams	0-90 m	12	12	Layer 1: Proximity to Rivers and Permanent Streams (0-180 m)	
	90-180 m	6			
2) Proximity to Intermittent Streams	0-90 m	12		-	
	90-180 m	6			
3) Proximity to Permanent River/Stream Confluences	0-90 m	8		Layer 6: Proximity to River/Stream Confluences (0-180 m)	
	90-180 m	4			
4) Proximity to Intermittent Stream Confluences	0-90 m	12		-	
	90-180 m	6			
5) Proximity to Waterfalls	0-90 m	8		Layer 7: Proximity to Waterfalls (0-180 m)	
	90-180 m	4			
6) Proximity to Heads of Drainages	0-90 m	8		Layer 5: Proximity to Heads of Permanent Drainages (0-300 m)	
	90-180 m	4			
7) Major Floodplain - Alluvial Terrace	0-90 m	8		Layer 10: Floodplain Soils Presence	
	90-180 m	4			
8) Knoll or Swamp Island		32		Layer 1: Proximity to Rivers and Permanent Streams (0-180 m)	
9) Stable Riverine Island		32		Layer 2: Proximity to Waterbodies (0-180 m)	
B. Lakes and Ponds					
10) Proximity to Pond or Lake	0-90 m	12		Layer 2: Proximity to Waterbodies (0-180 m)	
	90-180 m	6			
11) Proximity to Stream-Waterbody Confluences	0-90 m	12		Layer 4: Proximity to Stream-Waterbody Confluences (0-180 m)	
	90-180 m	6			
12) Lake Coves, Peninsulas, and Bayheads	0-90 m	12		Layer 2: Proximity to Waterbodies (0-180 m)	
	90-180 m	6			
C. Wetlands					
13) Proximity to Wetlands*	0-90 m	12		Layer 3: Proximity to Wetlands (0-180 m)	
	90-180 m	6			

Environmental Predictive Model			ArcheoMapTool GIS Model		Field Inspection Comments
Variable	Proximity	Value	Assigned Score	Variable	
14) Knoll or Swamp Island		32		Layer 3: Proximity to Wetlands (0-180 m)	
<i>D) Valley edge and Glacial Landforms</i>					
15) High Elevated Landform (e.g. Knoll Top, Ridge Crest, Promontory)		12		See Landmarks (Info Layers) and Catchment layers (Water-related Layers)	
16) Valley Edge Features (e.g. Kame Outwash Terrace)		12	12	Layer 9 Glacial Outwash and Kame Terrace Soils	
17) Marine/Lake Delta Complexes		12	12	Layer 9 Glacial Outwash and Kame Terrace Soils Presence	
18) Champlain Sea or Glacial Lake Shore Line**		12		Layer 8: Paleo Lake Soils Proximity (0-180 m)	
<i>E. Other Environmental Factors</i>					
19) Caves and Rockshelters		32		-	
20) Natural Travel Corridors (e.g. Drainage Divides)		12	12	See Landmarks (Info Layers) and catchment layers (Water-related Layers)	
21) Existing or Relict Springs	0-90 m	8			
	90-180 m	4			
22) Potential or Apparent Prehistoric Quarry for Lithic Material Procurement	0-90 m	8		See Soils with "M" parent material (Under Construction)	
	90-180 m	4			
23) Special Environmental or Natural Area~	0-180 m	32		-	
<i>F. Other High Sensitivity Layers</i>					
24) High Likelihood of Burials		32		See VAI layer (Under Construction)	
25) High Recorded Archeological Site Density		32	32	See VAI layer (Under Construction)	
26) High likelihood of containing significant site based on recorded or archival data or oral tradition		32		See VAI layer (Under Construction)	

Environmental Predictive Model			ArcheoMapTool GIS Model		Field Inspection Comments
Variable	Proximity	Value	Assigned Score	Variable	
G. Negative Factors					
27) Excessive (>15%) or Steep Erosional (>20%) Slopes		-32		See Slope Layer (Info Layers folder)	
28) Previously Disturbed Land***		-32	-32	See Land Use ND Building Footprint Layers (Info Layers folder)	
Total Score:			48		

** remains incompletely mapped; digital layer includes paleo lakes and wetlands based on soils data
 *** as evaluated by a qualified archeological professional or engineer based on coring, earlier as-built plans, or obvious surface evidence (such as a gravel pit)
 ~such as Milton aquifer, mountain top, etc. (historic or prehistoric sacred or traditional site locations, other prehistoric site types)
 *Environmental predictive model limits wetlands to those > one acre in size; ArchSensMap

**Vermont Division for Historic Preservation
Archeological Resources Assessment Form**

DHP# _____
Organization & Recorder: **HAA, INC./T. Jamison**
Date: **6/16/2011**

McMullen Road

Environmental Predictive Model		ArcheoMap Tool GIS Model		Field Inspection Comments
Variable	Proximity	Value	Assigned Score	
A. Rivers and Streams (Existing or relict)				
1) Proximity to Rivers and Permanent Streams	0-90 m	12	6	Layer 1: Proximity to Rivers and Permanent Streams (0-180 m)
	90-180 m	6		
2) Proximity to Intermittent Streams	0-90 m	12	6	-
	90-180 m	6		
3) Proximity to Permanent River/Stream Confluences	0-90 m	8		Layer 6: Proximity to River/Stream Confluences (0-180 m)
	90-180 m	4		
4) Proximity to Intermittent Stream Confluences	0-90 m	12		-
	90-180 m	6		
5) Proximity to Waterfalls	0-90 m	8		Layer 7: Proximity to Waterfalls (0-180 m)
	90-180 m	4		
6) Proximity to Heads of Drainages	0-90 m	8	4	Layer 5: Proximity to Heads of Permanent Drainages (0-300 m)
	90-180 m	4		
7) Major Floodplain - Alluvial Terrace	0-90 m	8		Layer 10: Floodplain Soils Presence
	90-180 m	4		
8) Knoll or Swamp Island		32		Layer 1: Proximity to Rivers and Permanent Streams (0-180 m)
9) Stable Riverine Island		32		Layer 2: Proximity to Waterbodies (0-180 m)
B. Lakes and Ponds				
10) Proximity to Pond or Lake	0-90 m	12		Layer 2: Proximity to Waterbodies (0-180 m)
	90-180 m	6		
11) Proximity to Stream-Waterbody Confluences	0-90 m	12		Layer 4: Proximity to Stream-Waterbody Confluences (0-180 m)
	90-180 m	6		
12) Lake Coves, Peninsulas, and Bayheads	0-90 m	12		Layer 2: Proximity to Waterbodies (0-180 m)
	90-180 m	6		
C. Wetlands				
13) Proximity to Wetlands*	0-90 m	12		Layer 3: Proximity to Wetlands (0-180 m)
	90-180 m	6		

Environmental Predictive Model			ArcheoMapTool GIS Model		Field Inspection Comments
Variable	Proximity	Value	Assigned Score	Variable	
14) Knoll or Swamp Island		32		Layer 3: Proximity to Wetlands (0-180 m)	
<i>D) Valley edge and Glacial Landforms</i>					
15) High Elevated Landform (e.g. Knoll Top, Ridge Crest, Promontory)		12		See Landmarks (Info Layers) and Catchment layers (Water-related Layers)	
16) Valley Edge Features (e.g. Kame Outwash Terrace)		12	12	Layer 9 Glacial Outwash and Kame Terrace Soils	
17) Marine/Lake Delta Complexes		12	12	Layer 9 Glacial Outwash and Kame Terrace Soils Presence	
18) Champlain Sea or Glacial Lake Shore Line**		12		Layer 8: Paleo Lake Soils Proximity (0-180 m)	
<i>E. Other Environmental Factors</i>					
19) Caves and Rockshelters		32		-	
20) Natural Travel Corridors (e.g. Drainage Divides)		12	12	See Landmarks (Info Layers) and catchment layers (Water-related Layers)	
21) Existing or Relict Springs	0-90 m	8		-	
	90-180 m	4			
22) Potential or Apparent Prehistoric Quarry for Lithic Material Procurement	0-90 m	8		See Soils with "M" parent material (Under Construction)	
	90-180 m	4			
23) Special Environmental or Natural Area~	0-180 m	32		-	
<i>F. Other High Sensitivity Layers</i>					
24) High Likelihood of Burials		32		See VAI layer (Under Construction)	
25) High Recorded Archeological Site Density		32	32	See VAI layer (Under Construction)	
26) High likelihood of containing significant site based on recorded or archival data or oral tradition		32		See VAI layer (Under Construction)	

Environmental Predictive Model			ArcheoMapTool GIS Model		Field Inspection Comments
Variable	Proximity	Value	Assigned Score	Variable	
<i>G. Negative Factors</i>					
27) Excessive (>15%) or Steep Erosional (>20%) Slopes		-32		See Slope Layer (Info Layers folder)	
28) Previously Disturbed Land***		-32	-32	See Land Use ND Building Footprint Layers (Info Layers folder)	
Total Score:			52		

** remains incompletely mapped; digital layer includes paleo lakes and wetlands based on soils data

*** as evaluated by a qualified archeological professional or engineer based on coring, earlier as-built plans, or obvious surface evidence (such as a gravel pit)

~such as Milton acquirer, mountain top, etc. (historic or prehistoric sacred or traditional site locations, other prehistoric site types)

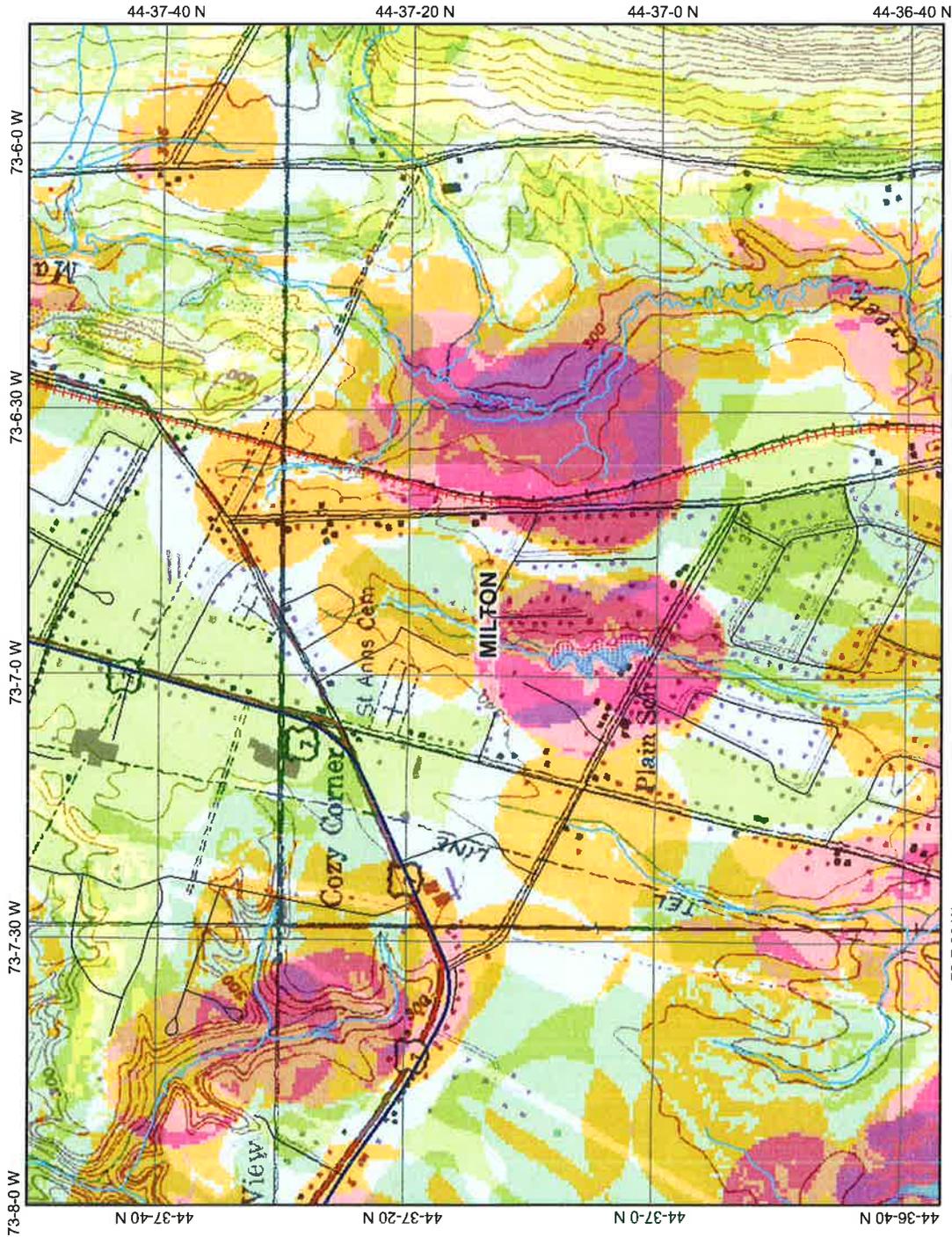
*Environmental predictive model limits wetlands to those > one acre in size; ArchSensMap

Hobbs Road (Milton STP SDWK (8)) and McMullen Road Sidewalks, Town of Milton, Chittenden County, Vermont
Phase IB (Hobbs Road) and Archeological Resource Assessment (McMullen Road)

APPENDIX II: Vermont ArcheoMap



Hobbs Road and McMullen Road Sidewalk Project



Map center: 451214, 235774

Notes:

This map is provided by the VT Division for Historic Preservation. The Vermont ArcheoMap is a GIS-based mapping and information system for archaeological sites in Vermont. Maps are to be used for display or preliminary planning purposes only. Data are not survey quality and, therefore, are not to be used as a basis for legal decisions. These original sources vary in scale and accuracy which determines the relative map accuracy of the digital data layers. For more information, go to <http://www.historicvermont.org>.

Legend

- Towns
- Drainages
- Water Bodies
- Combined Archaeological Sensitivity
- One Sensitivity Factor
- Two Sensitivity Factors
- Three Sensitivity Factors
- Four Sensitivity Factors
- Five Sensitivity Factors
- Six Sensitivity Factors
- Seven Sensitivity Factors
- Eight Sensitivity Factors
- Nine Sensitivity Factors
- Ten Sensitivity Factors
- No Mapped Sensitivity Factors
- USGS 1:24000 Topomaps

www.historicvermont.org



Scale: 1:15,873

Hobbs Road (Milton STP SDWK (8)) and McMullen Road Sidewalks, Town of Milton, Chittenden County, Vermont
Phase IB (Hobbs Road) and Archeological Resource Assessment (McMullen Road)

APPENDIX III: Scope of Work

HARTGEN



archeological associates inc

April 14, 2011

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Subject: Phase IB Archeological Reconnaissance Survey: Hobbs Road Sidewalk
Archeological Resource Assessment: McMullen Road Sidewalk
Town of Milton, Chittenden County, Vermont
P2011-079A and P2011-079B

Dear Andy,

Thank you for asking Hartgen Archeological Associates, Inc. (HAA, Inc.) to prepare a work scope and cost for archeological review of two proposed sidewalk projects in the Town of Milton, Chittenden County, Vermont. The sidewalks are proposed along Hobbs Road and McMullen Road. The following project information is based on the request for proposal email and our telephone conversation on April 12, 2011.

PROJECT BACKGROUND

- The project requires approvals by the Vermont Agency of Transportation (VTrans).
- The cultural resources investigation is required according to Section 106 of the National Historic Preservation Act.
- The cultural resources investigation will be reviewed by the VTrans.
- The cultural resources investigation will be conducted according to the Vermont State Historic Preservation Office's Guidelines for Conducting Archeology in Vermont (2002).

- The report will be prepared according to Vermont Division for Historic Preservation (VDHP) Phase I Archeological Report Format Requirements (2002).
- The investigation will be overseen by one of HAA, Inc.'s Principal Investigators, who meets the Secretary of the Interior's Professional Qualification Standards outlined in Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines As Amended and Annotated and required under Title 36 of the Code of Federal Regulations, Section 61 (36 CFR 61).

Project Description

The project consists of a sidewalk alignment proposed to extend along Hobbs Road from Emile Drive to McMullen Road and along McMullen Road from Hobbs Road to Railroad Street, a total distance of approximately 6,323 feet (1,927 m). The project includes the following components:

- **Hobbs Road Sidewalk:** This project consists of the installation of approximately 2,200 linear feet (671 m) of 5 foot (1.5 m) wide concrete sidewalk. The sidewalk will generally be located 4 feet (1.2 m) off of the edge of the paved roadway, with the exception of approximately 300 to 500 linear feet (91 to 152 m) of sidewalk which will be located at the edge of the roadway with a curb. This project also incorporates a 2 foot (0.6 m) high retaining wall, and the installation of permanent sheeting at the culvert crossing near the beaver pond. There are approximately five temporary easements, which are associated with the retaining wall and the sheeting areas.
- **McMullen Road Sidewalk:** This project consists of the installation of approximately 4,123 linear feet (1,256 m) of 5 foot (1.5 m) wide concrete sidewalk. The sidewalk for this phase of the project will be within 4 feet (1.2 m) of the edge of the pavement.

VTrans reviewed the Hobbs Road project during the past winter and identified two sections of the alignment as sensitive for precontact archeological deposits. These areas extend from Stations 28+00 to 31+00 and from Stations 36+00 to 41+00, a total distance of 1,100 feet (335 m). Therefore, this proposal outlines a Phase IB Archeological Reconnaissance Survey for those sections of the Hobbs Road alignment.

The McMullen Road alignment has not been reviewed for archeological sensitivity. Therefore, this proposal outlines an Archeological Resource Assessment (ARA) for that project.

Area of Potential Effects (APE)

The VTrans requires that all projects under archeological review have a clearly defined area of potential effects (APE) that includes all areas where ground disturbance is proposed and areas that may be affected temporarily or unintentionally such as staging areas and rights-of-way. Based on the proposed effects listed above, the APE includes:

- Hobbs Road - 0.76 acres (0.31 ha).
- McMullen Road - 1.42 acres (0.57 ha).

ARCHEOLOGICAL RESOURCE ASSESSMENT SCOPE OF WORK

An Archeological Resource Assessment (ARA) will be conducted for the McMullen Road project and will also inform the Hobbs Road survey. The ARA section of the report will contain the following information.

- Project information including the project size, location, and plans. The project area will be identified on the most recent USGS quadrangle and, if available, project plans provided by the client will be included.
- Environmental information including a description of mapped soils, bedrock geology, physiography and hydrology in the vicinity of the project area.
- Discussion of existing conditions within the project area including present land use and evidence of prior disturbance. A site visit will be conducted to the McMullen Road alignment to observe and photograph existing conditions, at the time of the Hobbs Road survey.
- A description of previously reported archeological and historical resources in the vicinity of the project area. This information will be obtained during research at the VDHP and will include known archeological sites, previous archeological surveys, and National Register listed and eligible structures and districts.
- Historical maps and an interpretation of potential historic resources within the project area.
- An assessment of the archeological sensitivity, potential of the project area and recommendations regarding Phase IB testing.

PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE WORK SCOPE

A Phase IB Archeological Reconnaissance Survey will be conducted for the sections of the Hobbs Road alignment identified by VTrans as being archeologically sensitive.

- All archeological testing will occur within the two sections APE identified for testing by VTrans.
- No archeological testing will occur in areas with standing water, slopes greater than 12 percent, or surface evidence of significant disturbance.
- This proposal assumes that the 1,100 linear feet (335 m) of the APE identified by VTrans are suitable for archeological testing.
- According to the USDA Soil Survey of Chittenden County, soils in the Hobbs Road APE consist of Adams and Windsor loamy sands. These soils developed in glacio-fluvial deposits. Therefore, there is no potential for deeply buried archeological deposits to be present on the project alignment.
- The Phase IB will include the excavation of approximately 33 shovel tests. If archeological deposits are encountered, additional tests may be required. Confirmation tests would be excavated on a time and materials basis.

Shovel Testing Methodology

Shovel tests will be excavated at 10 meter (33 ft) intervals. Confirmation shovel tests may be excavated at reduced intervals in the vicinity of archeological finds to assess their significance. Confirmation tests would be excavated on a time and materials basis. Each shovel test will be 50 centimeters (1.6 ft) square. All excavated soil will be passed through 0.25-inch hardware mesh and examined for both precontact (Native American) and historic artifacts. The stratigraphy of each test will be recorded including the depth, soil description, and artifact content. The location of each shovel test will be plotted on the project map. Representative test excavations will be photographed.

LABORATORY PROCESSING

All precontact (Native American) cultural material identified during the Hobbs Road fieldwork will be collected. Significant historic artifacts such as glass, ceramics, food remains, hardware, and miscellaneous items will be collected. Coal, ash, cinder, brick, and modern materials will be noted. Artifacts collected will be placed in paper or plastic bags labeled by provenience and inventoried in a bag list.

- Artifact analysis will be completed at the HAA, Inc. laboratory in Troy, New York. Up to 50 artifacts will be processed within the cost outlined for Phase IB work. Additional artifacts will be processed on a time and materials basis. Artifacts will be cleaned and entered into a Microsoft Access database that will be included in tabular format in the report.
- HAA, Inc. will retain possession of artifacts collected during the archeological investigation for up to one year. Delivery of the collection to Town of Milton will be arranged upon request. If no such request has been made within one year of completion of the report, HAA, Inc. will dispose of the collection in the manner it deems appropriate. If it is agreed the collection will go to the Vermont Archeological Heritage Center, a fee of \$400 per box will be charged to the client.

REPORT PREPARATION

One report will be produced documenting the Phase IB survey on Hobbs Road and the ARA for McMullen Road. The report will contain text, tables, maps and photographs, shovel test records, and an artifact inventory. One draft report will be provided for your review. Two final reports will be provided after you have commented on the draft, and up to 20 copies will be distributed as per VTrans requirements.

SCHEDULING

- The McMullen Road ARA research will begin within two days of receiving the notice to proceed.
- The McMullen Road ARA site visit will be conducted at the same time as the Hobbs Road IB survey.
- The Phase IB fieldwork can currently be scheduled for early Spring when soil conditions are acceptable for archeological survey, as per VDHP guidelines. HAA, Inc. will commit to a definite fieldwork schedule once notice to proceed is provided.
- The Hobbs Road fieldwork and McMullen Road site visit can be completed in 2 days by a crew of 3 archeologists.
- An end-of-fieldwork letter will be submitted within a week of completion of the fieldwork.
- The draft report will be issued within 6 weeks of completion of the fieldwork, and the final report will be issued within five days of receiving comments on the draft.

PROVISOS

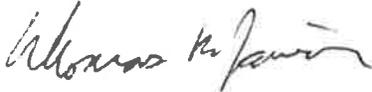
- Please email the most recent project maps in file formats compatible with AutoCAD LT 2005 and ArcView 9.1 to tjamison@hartgen.com.
- Please mark the project area boundaries at regular intervals.
- HAA, Inc. will notify Dig Safe to mark all areas where excavation is proposed. The client will mark the limits of the project area before Dig Safe is notified. This proposal does not include time to meet with utility locators before the fieldwork begins.

COSTS AND INVOICING

- Cost estimates for each project component are provided on the following acceptance page and the attached cost sheets.
- These costs are contingent on the two projects being conducted concurrently. Otherwise, costs of the individual projects would change.
- This proposal and cost is in effect for the next 60 days.
- The first invoice will be sent when the Phase IB Fieldwork has been completed. Invoices will be sent monthly thereafter.

Please sign and return the following acceptance section of this proposal to authorize the work. If you have any questions about this proposal, please contact me at tjamison@hartgen.com or 802.387.6020.

Sincerely yours,



Thomas R. Jamison, PhD, RPA
Project Manager

Hobbs Road (Milton STP SDWK (8)) and McMullen Road Sidewalks, Town of Milton, Chittenden County, Vermont
Phase IB (Hobbs Road) and Archeological Resource Assessment (McMullen Road)

APPENDIX IV: Shovel Test Pit Records

**Phase IB Hobbs Road Sidewalk Project
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>	<u>Termination Reason</u>
1	0 - 21	fine sand		10YR 2/2	very dark brown
	21 - 42	sand		10YR 4/6	dark yellowish brown
	42 - 56	sand	gravel	2.5Y 4/4	olive brown subsoil
2	0 - 25	fine sand		10YR 3/2	very dark grayish brown
	25 - 49	sand		10YR 4/6	dark yellowish brown
	49 - 60	coarse sand		10YR 5/3	brown subsoil
4	0 - 90	fine sand	silt	2.5Y 4/2	dark grayish brown utilities
		fine sand	silt	10YR 3/1	very dark gray utilities
		fine sand	silt	10YR 5/3	brown utilities
5	0 - 13	sandy loam		10YR 2/2	very dark brown
	13 - 28	silty sand		10YR 3/6	dark yellowish brown
	28 - 47	coarse sand		2.5Y 4/4	olive brown subsoil
6	0 - 10	fine sand		10YR 4/4	dark yellowish brown
	10 - 33	coarse sand	gravel	2.5Y 4/4	olive brown subsoil
7	0 - 30	fine silty sand	charcoal	10YR 3/1	very dark gray
	30 - 50	sand	charcoal	10YR 4/3	brown
	50 - 62	coarse sand		10YR 5/3	brown subsoil
8	0 - 33	fine sand		10YR 3/3	dark brown
	33 - 49	sand		10YR 4/6	dark yellowish brown
	49 - 73	sand		2.5Y 4/4	olive brown subsoil
9	0 - 26	sandy loam		10YR 2/2	very dark brown
	26 - 40	silty sand		10YR 3/6	dark yellowish brown
	40 - 54	coarse sand		2.5Y 4/4	olive brown subsoil
10	0 - 16	loamy sand		10YR 3/2	very dark grayish brown
	16 - 26	sand		10YR 6/4	light yellowish brown
	26 - 46	loamy sand		10YR 3/1	very dark gray
	46 - 68	sand		10YR 4/6	dark yellowish brown
	68 - 84	coarse sand		10YR 5/3	brown subsoil
11	0 - 18	sandy loam		10YR 3/2	very dark grayish brown
	18 - 24	gravel		10YR 5/3	brown
	24 - 40	silty sand		10YR 2/1	black
	40 - 51	silty sand		7.5YR 3/3	dark brown
		silty sand		2.5Y 5/2	grayish brown
	51 - 63	silty sand		10YR 3/4	dark yellowish brown
	63 - 73	coarse sand		10YR 3/6	dark yellowish brown subsoil
12	0 - 10	fine sand		10YR 3/2	very dark grayish brown
	10 - 39	fine sand		10YR 3/2	very dark grayish brown
	39 - 50	sand		10YR 3/6	dark yellowish brown
	50 - 69	coarse sand	gravel	2.5Y 4/4	olive brown subsoil

Phase IB Hobbs Road Sidewalk Project Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>	<u>Termination Reason</u>	
13	0 - 10	fine sandy loam		10YR 3/2	very dark grayish brown	
	10 - 36	sand	fill and gravel	10YR 3/3	dark brown	
	36 - 49	fine sand		10YR 3/2	very dark grayish brown	
	49 - 75	sand	fill	10YR 3/3	dark brown	
		sand	fill	10YR 3/6	dark yellowish brown	
	75 - 98	sand		7.5YR 4/6	strong brown	
	98 - 115	sand		2.5Y 5/4	light olive brown	subsoil
18	0 - 14	silty sand	fill	10YR 4/2	dark grayish brown	
	14 - 22	sand	fill	10YR 6/2	light brownish gray	
	22 - 54	silty sand	fill	10YR 4/6	dark yellowish brown	
		silty sand	fill	10YR 4/3	brown	
		silty sand	fill	10YR 3/2	very dark grayish brown	
	54 - 62	sand		10YR 4/4	dark yellowish brown	
	62 - 73	sand		10YR 5/3	brown	subsoil
19	0 - 12	loamy sand		10YR 3/2	very dark grayish brown	
	12 - 20	sand	fill and gravel	2.5Y 4/4	olive brown	
	20 - 42	sand		10YR 3/2	very dark grayish brown	
	42 - 64	sand		7.5YR 4/6	strong brown	
	64 - 76	sand	gravel	2.5Y 5/4	light olive brown	subsoil
	20	0 - 12	sandy loam		10YR 2/2	very dark brown
12 - 18		sand	gravel	10YR 4/3	brown	
18 - 28		sandy loam		10YR 2/2	very dark brown	
28 - 43		sandy loam		10YR 2/2	very dark brown	
		sandy loam		10YR 3/4	dark yellowish brown	
43 - 52		sand		10YR 3/4	dark yellowish brown	
52 - 62		coarse sand		10YR 3/4	dark yellowish brown	subsoil
21	0 - 22	sand	fill and gravel	10YR 3/2	very dark grayish brown	roots
22	0 - 20	sandy loam		10YR 2/2	very dark brown	
	20 - 46	sand		10YR 3/4	dark yellowish brown	
	46 - 56	sand		10YR 3/6	dark yellowish brown	subsoil
23	0 - 14	sand		10YR 4/2	dark grayish brown	
	14 - 22	sand		10YR 6/2	light brownish gray	
	22 - 29	sand		10YR 3/2	very dark grayish brown	
	29 - 42	sand		10YR 4/4	dark yellowish brown	
	42 - 58	sand		10YR 5/3	brown	subsoil
24	0 - 12	loamy sand		10YR 3/2	very dark grayish brown	
	12 - 16	road fill	gravel	10YR 3/3	dark brown	
	16 - 27	sand	gravel and cobbles	10YR 3/2	very dark grayish brown	
	27 - 66	sand		7.5YR 4/6	strong brown	
	66 - 80	coarse sand		2.5Y 5/4	light olive brown	subsoil

**Phase IB Hobbs Road Sidewalk Project
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>	<u>Termination Reason</u>
25	0 - 21	sandy loam		10YR 2/2	very dark brown
	21 - 40	silty sand		10YR 3/4	dark yellowish brown
	40 - 51	sand		10YR 3/6	dark yellowish brown
	51 - 60	sand		2.5Y 4/4	olive brown
26	0 - 14	sand		10YR 4/1	dark gray
	14 - 42	sand		10YR 5/6	yellowish brown
	42 - 58	sand		10YR 6/4	light yellowish brown
27	0 - 19	sandy loam		10YR 3/3	dark brown
	19 - 42	sand		10YR 3/4	dark yellowish brown
	42 - 54	sand		2.5Y 4/4	olive brown
28	0 - 9	loamy sand	gravel	7.5YR 4/6	strong brown
		loamy sand	gravel	10YR 3/3	dark brown
	9 - 28	sand	gravel	10YR 3/2	very dark grayish brown
	28 - 47	sand	gravel	7.5YR 4/6	strong brown
	47 - 58	sand		2.5Y 5/4	light olive brown
29	0 - 15	sandy loam		10YR 3/3	dark brown
	15 - 37	sand		10YR 3/4	dark yellowish brown
	37 - 47	sand		2.5Y 4/4	olive brown
30	0 - 25	sandy loam		10YR 2/2	very dark brown
	25 - 47	sand		10YR 3/4	dark yellowish brown
	47 - 54	sand		2.5Y 4/4	olive brown
31	0 - 30	sandy loam		10YR 2/2	very dark brown
	30 - 52	sand		10YR 3/4	dark yellowish brown
	52 - 66	sand		2.5Y 4/4	olive brown
Area: VT-CH-1101					
3	0 - 27	fine sand		10YR 3/3	dark brown
	27 - 37	fine sand		2.5Y 5/4	light olive brown
		fine sand		10YR 2/2	very dark brown
	37 - 52	fine sand		10YR 3/2	very dark grayish brown
	52 - 59	fine sand		7.5YR 4/4	brown
	57 - 83	sand		10YR 3/6	dark yellowish brown
	83 - 106	coarse sand	gravel	2.5Y 4/4	olive brown
Area: VT-CH-1102					
14	0 - 13	sandy loam		10YR 2/2	very dark brown
	13 - 21	sandy loam	gravel	10YR 3/3	dark brown
	21 - 50	sandy loam		10YR 2/1	black
	50 - 74	coarse sand		10YR 3/4	dark yellowish brown
	74 - 86	coarse sand		10YR 3/6	dark yellowish brown

**Phase IB Hobbs Road Sidewalk Project
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>	<u>Termination Reason</u>
Area: VT-CH-1102					
15	0 - 9	sand		10YR 4/1	dark gray
	9 - 15	sand		10YR 3/4	dark yellowish brown
	15 - 30	sand	gravel	10YR 4/2	dark grayish brown
	30 - 53	sand		10YR 3/1	very dark gray
	53 - 58	sand	roots	10YR 2/1	black
	58 - 72	sand		10YR 4/4	dark yellowish brown
	72 - 92	coarse sand		10YR 5/3	brown
16	0 - 11	loamy sand		10YR 3/2	very dark grayish brown
	11 - 20	sand	fill	2.5Y 4/4	olive brown
	20 - 44	sand		10YR 3/3	dark brown
	44 - 68	sand		7.5YR 4/6	strong brown
	68 - 78	sand		2.5Y 5/4	light olive brown
17	0 - 12	sandy loam		10YR 2/2	very dark brown
	12 - 24	coarse sand		10YR 4/3	brown
	24 - 41	sandy loam		10YR 2/1	black
	41 - 48	sandy loam		10YR 3/4	dark yellowish brown
		sandy loam		10YR 2/2	very dark brown
	48 - 57	sandy loam		10YR 2/2	very dark brown
	57 - 66	sand		10YR 3/4	dark yellowish brown
	66 - 74	coarse sand		10YR 3/4	dark yellowish brown

Hobbs Road (Milton STP SDWK (8)) and McMullen Road Sidewalks, Town of Milton, Chittenden County, Vermont
Phase IB (Hobbs Road) and Archeological Resource Assessment (McMullen Road)

APPENDIX V: Artifact Catalog

**Phase IB Hobbs Road Sidewalk Project
Artifact Inventory, Shovel Tests**

<u>SIP</u>	<u>Feature</u>	<u>Level</u>	<u>Cxt #</u>	<u>Bag #</u>	<u>Item</u>	<u>Count</u>	<u>Cull Status</u>	<u>Artifact Description</u>	<u>Weight</u>
4		1		5	1	1		unidentified, coarse earthenware, red, fragment	0.5 g
					2	3		unidentified, glass, pale aqua, melted, fragment	7.5 g
					3	1		lamp chimney, body, glass, colorless, fragment	0.4 g
					4	1		tobacco pipe, bowl, ball clay-white, molded decoration, fragment	1.4 g
					5	1		brick, red, burned, fragment	101 g
					6	1		nail, complete, iron alloy, wrought, bent	8.4 g
					7	1		nail, iron alloy, cut, fragment	3.7 g
					8	1		nail, complete, iron alloy, wire, straight	7.2 g
					9	4		mineral sample, quartzite, fragment	389.6 g
					10	1		mineral sample, indeterminate, fragment	61.9 g
5		1		6	1	1		whiteware, rim, refined earthenware, edged, blue, fragment	0.1 g
					2	1		whiteware, rim, refined earthenware, edged, blue, burned, fragment	0.4 g
					3	2		whiteware, footring and base, refined earthenware, undecorated, burned, fragments mend	0.5 g
					4	1		pearlware, base, refined earthenware, undecorated, fragment, illegible blue printed mark	0.6 g
					5	1		whiteware, body, refined earthenware, transfer printed underglaze, blue, fragment	1.2 g
					6	1		whiteware, body, refined earthenware, decorated, blue, fragment	0.2 g
					7	1		whiteware, plate, body, refined earthenware, undecorated, fragment	4.9 g
					8	4		whiteware, body, refined earthenware, undecorated, fragment	2.4 g
					9	2		yellowware, hollowware, body, refined earthenware, Rockingham type, molded decoration, fragments mend	11.9 g
					10	1		yellowware, body, refined earthenware, undecorated, fragment	2.2 g
					11	1		porcellaneous, hollowware, body, porcelain, paneled, fragment	8.9 g
					12	1		vessel, neck, glass, paneled, pale aqua, mold blown, fragment	2.4 g
					13	1		unidentified, glass, pale aqua, melted, fragment	0.2 g
					14	1		window, glass, fragment	0.6 g
					15	1		lamp chimney, body, glass, colorless, fragment	0.7 g
					16	3		brick, red, some fragments mend	35.4 g
					17	2		nail, complete, iron alloy, cut, bent	22.6 g
					18	2		nail, iron alloy, cut, fragment	9.7 g
					19	2		faunal bone, mammal, fragments mend	1.6 g
6		1		7	1	1		redware, body, coarse earthenware, lead glaze, fragment	0.4 g
					2	1		unidentified, coarse earthenware, red, fragment	1 g
					3	1		vessel, base, glass, colorless, mold blown, fragment, stippled	2.6 g

**Phase IB Hobbs Road Sidewalk Project
Artifact Inventory, Shovel Tests**

<u>SIP</u>	<u>Feature</u>	<u>Level</u>	<u>Cxt #</u>	<u>Bag #</u>	<u>Item</u>	<u>Count</u>	<u>Cull Status</u>	<u>Artifact Description</u>	<u>Weight</u>
6		1		7	4	1		vessel, body, glass, colorless, mold blown, fragment	1.6 g
					5	1		nail, iron alloy, cut, fragment	3.7 g
7		1		8	1	2		redware, body, coarse earthenware, unglazed, fragment	2.2 g
					2	1		white ware, body, refined earthenware, undecorated, fragment	0.7 g
					3	1		window, glass, fragment	1.1 g
					4	1		button, two hole sew through, complete, glass, white, 1.3cm diameter	0.9 g
					5	1		nail, iron alloy, cut, fragment	5.2 g
7		2		9	1	1		nail, complete, iron alloy, wrought, bent	10.8 g
10		3		21	1	1		porcelain, body, porcelain, undecorated, fragment	1 g
					2	2		window, glass, fragments mend, melted	3.7 g
11		3		10	1	5		white ware, base, refined earthenware, decal, polychrome, fragments mend	5.4 g
					2	1		bottle, body, glass, amber, mold blown, fragment, stippled	0.8 g
					3	1		nail, complete, iron alloy, wire, bent	7.3 g
					4	6		charcoal, fragment	7.6 g
12		2		11	1	1		white ware, hollowware, body, refined earthenware, sponged, green, fragment	4.7 g
					2	1		grey bodied, body, stoneware, salt-glazed, fragment	0.5 g
					3	2		window, glass, fragment	4.9 g
13		3		12	1	1		marble, complete, glass, polychrome, colorless and yellow, 1.5cm diameter	4.6 g
					2	2		window, glass, fragment	2 g
					3	1		nail, complete, iron alloy, indeterminate, bent	13.2 g
28		2		22	1	1		yellowware, body, refined earthenware, undecorated, fragment	3.1 g
					2	2		bottle, body, glass, molded decoration, amber, mold blown, fragment	13.3 g
					3	3		bottle, body, glass, colorless, mold blown, fragment	11.4 g
31		1		23	1	4		buff/pink bodied, hollowware, body, stoneware, decorated, cobalt blue, fragments mend, weathered, interior reddish-brown glaze	14.5 g
					2	2		window, glass, fragment	0.4 g
					3	5		lamp chimney, body, glass, colorless, fragment	1.6 g
					4	1		nail, iron alloy, cut, fragment	4.8 g
					5	1		unidentified, unidentified, fragment	0.5 g

**Phase IB Hobbs Road Sidewalk Project
Artifact Inventory, Shovel Tests, Area VT-CH-1101**

<u>STP</u>	<u>Feature</u>	<u>Level</u>	<u>Cxt.#</u>	<u>Bag.#</u>	<u>Item</u>	<u>Count</u>	<u>Cull Status</u>	<u>Artifact Description</u>	<u>Weight</u>
3		1		1	1	2		fire-cracked rock, indeterminate, fragment	23.4 g
				2	2	1		white ware, body, refined earthenware, undecorated, fragment	1.1 g
				3	3	1		tobacco pipe, bowl, ball clay-white, molded decoration, fragment	0.7 g
				4	4	1		faunal bone, fragment	2.1 g
3		3		2	2	1		debitage, utilized flake, midsection, chert, Hathaway, gray, fragment	1.5 g
				2	2	5		debitage, thinning flake, complete, chert, Hathaway, gray	13.5 g
				3	3	2		debitage, thinning flake, complete, chert, matrix, Hathaway, gray, fragments mend	3.3 g
				4	4	4		debitage, thinning flake, proximal fragment, chert, Hathaway, gray	7.8 g
				5	5	1		debitage, thinning flake, midsection, chert, Clarendon Springs, black, fragment	0.6 g
				6	6	6		debitage, thinning flake, distal fragment, chert, Hathaway, gray	13.5 g
				7	7	2		debitage, trim, complete, chert, Clarendon Springs, black	0.2 g
				8	8	1		debitage, trim, proximal fragment, chert, Clarendon Springs, black	0.1 g
				9	9	1		debitage, trim, midsection, chert, Clarendon Springs, black, fragment	0.2 g
				10	10	2		debitage, trim, distal fragment, chert, Clarendon Springs, black	0.3 g
				11	11	1		debitage, block flake, complete, chert, Hathaway, gray	12.8 g
				12	12	3		debitage, shatter, chert, Hathaway, gray, fragment	2.6 g
				13	13	2		debitage, thinning flake, midsection, chert, Hathaway, gray, fragment	2.2 g
				14	14	5		debitage, trim, complete, chert, Hathaway, gray	1 g
				15	15	5		debitage, trim, proximal fragment, chert, Hathaway, gray	0.9 g
				16	16	6		debitage, trim, distal fragment, chert, Hathaway, gray	1 g
3		4		3	3	1		debitage, thinning flake, complete, chert, Clarendon Springs, black	0.8 g
				2	2	3		debitage, thinning flake, proximal fragment, chert, Clarendon Springs, black	2.3 g
				3	3	1		debitage, thinning flake, midsection, chert, Clarendon Springs, black, fragment	0.3 g
				4	4	6		debitage, thinning flake, distal fragment, chert, Hathaway, gray	7.1 g
				5	5	3		debitage, thinning flake, chert, Hathaway, gray, fragment	2.3 g
				6	6	1		debitage, trim, complete, chert, Clarendon Springs, black	0.1 g
				7	7	1		debitage, trim, proximal fragment, chert, Clarendon Springs, black	0.2 g
				8	8	2		debitage, trim, midsection, chert, Clarendon Springs, black, fragment	0.6 g
				9	9	4		debitage, trim, distal fragment, chert, Clarendon Springs, black	0.6 g
				10	10	1		debitage, shatter, chert, Hathaway, gray, fragment	0.4 g
				11	11	5		debitage, trim, midsection, chert, Hathaway, gray, fragment	1.1 g
				12	12	11		debitage, trim, distal fragment, chert, Hathaway, gray	2 g

**Phase IB Hobbs Road Sidewalk Project
Artifact Inventory, Shovel Tests, Area VT-CH-1101**

<u>SIP</u>	<u>Feature</u>	<u>Level</u>	<u>Cxt #</u>	<u>Bag #</u>	<u>Item</u>	<u>Count</u>	<u>Cull Status</u>	<u>Artifact Description</u>	<u>Weight</u>
3		4		3	13	7		debitage, thinning flake, complete, chert, Hathaway, gray	5.1 g
					14	6		debitage, thinning flake, proximal fragment, chert, Hathaway, gray	7.6 g
					15	5		debitage, thinning flake, midsection, chert, Hathaway, gray, fragment	5.6 g
					16	12		debitage, trim, complete, chert, Hathaway, gray	2.8 g
					17	8		debitage, trim, proximal fragment, chert, Hathaway, gray	1.1 g
					18	3		whiteware, rim, refined earthenware, undecorated, fragments mend	4.4 g
					19	1		brick, red, fragment	26.1 g
3		5		4	1	3		debitage, thinning flake, complete, chert, Hathaway, gray	3.5 g
					2	3		debitage, thinning flake, proximal fragment, chert, Hathaway, gray	4 g
					3	2		debitage, thinning flake, distal fragment, chert, Hathaway, gray	2.1 g
					4	3		debitage, trim, complete, chert, Hathaway, gray	0.5 g
					5	1		debitage, trim, proximal fragment, chert, Hathaway, gray	0.3 g
					6	1		debitage, trim, chert, Hathaway, gray, fragment	0.1 g
					7	1		debitage, shatter, chert, Hathaway, gray, fragment	3 g

**Phase IB Hobbs Road Sidewalk Project
Artifact Inventory, Shovel Tests, Area VT-CH-1102**

<u>STP</u>	<u>Feature</u>	<u>Level</u>	<u>Cxt.#</u>	<u>Bag.#</u>	<u>Item</u>	<u>Count</u>	<u>Cull Status</u>	<u>Artifact Description</u>	<u>Weight</u>
14		1		13	1	1		redware, body, coarse earthenware, unglazed, fragment	2 g
					2	1		unidentified, rim, glass, white, fragment, textured	3.4 g
					3	1		nail, iron alloy, wire, fragment	6.3 g
14		3		14	1	1		redware, hollowware, body, coarse earthenware, slip decorated/lead glazed, fragment	38.1 g
					2	1		redware, hollowware, body, coarse earthenware, lead glaze, fragment	16.1 g
					3	1		whiteware, rim, refined earthenware, edged, blue, fragment	6.2 g
					4	1		whiteware, rim, refined earthenware, undecorated, fragment	0.6 g
					5	1		whiteware, body, refined earthenware, undecorated, fragment	0.7 g
					6	1		yellowware, body, refined earthenware, glaze missing, fragment	1.3 g
					7	1		vessel, body, glass, colorless, mold blown, fragment	0.6 g
					8	1		marble, complete, glass, green, 1.5cm diameter	4.4 g
					9	3		window, glass, fragment	5.1 g
					10	1		brick, red, fragment	5.7 g
					11	1		staple, complete, iron alloy	9.7 g
					12	2		nail, complete, iron alloy, cut, bent	16.7 g
					13	1		nail, iron alloy, cut, fragment	6.7 g
					14	1		nail, iron alloy, indeterminate, fragment	2 g
					15	8		charcoal, fragment	13.1 g
15		1		15	1	1		redware, body, coarse earthenware, unglazed, fragment	1 g
					2	1		whiteware, rim, refined earthenware, undecorated, burned, fragment	1.7 g
15		3		16	1	1		whiteware, body, refined earthenware, transfer printed underglaze, brown, fragment	0.7 g
					2	1		vessel, body, glass, manganese solarized, mold blown, fragment	2.2 g
					3	2		window, glass, fragment	1.5 g
					4	1		button, two piece, copper alloy, fragment, 2.0cm diameter	1 g
					5	3		nail, iron alloy, indeterminate, fragment	8.9 g
					6	1		unidentified, strip, iron alloy, fragment	5.5 g
15		4		17	1	7		redware, body, coarse earthenware, copper glazed, fragment	29.8 g
					2	1		redware, rim, coarse earthenware, unglazed, fragment	4.4 g
					3	4		redware, body, coarse earthenware, unglazed, fragment	31.7 g
					4	2		whiteware, plate, rim, refined earthenware, flow transfer print, blue, fragments mend	13.3 g
					5	3		whiteware, plate, rim, refined earthenware, transfer printed underglaze, blue, fragments mend	12.5 g
					6	3		whiteware, rim, refined earthenware, sponged, blue, fragments mend	2.6 g

**Phase IB Hobbs Road Sidewalk Project
Artifact Inventory, Shovel Tests, Area VT-CH-1102**

<u>SITP</u>	<u>Feature</u>	<u>Level</u>	<u>Cxt.#</u>	<u>Bag.#</u>	<u>Item</u>	<u>Count</u>	<u>Cull Status</u>	<u>Artifact Description</u>	<u>Weight</u>
15		4		17	7	2		whiteware, rim, refined earthenware, hand painted underglaze, blue, fragments mend	6.6 g
					8	1		whiteware, rim, refined earthenware, hand painted underglaze, polychrome, fragment, red and blue	2.6 g
					9	1		whiteware, rim, refined earthenware, hand painted underglaze, red, fragment	1.9 g
					10	5		whiteware, hollowware, handle, refined earthenware, transfer printed underglaze, molded decoration, blue, fragments mend	8.3 g
					11	1		whiteware, footring and base, refined earthenware, hand painted underglaze, polychrome, fragment, blue, green, red and black	9.7 g
					12	2		whiteware, footring and base, refined earthenware, hand painted underglaze, blue, fragment	11.5 g
					13	1		whiteware, footring and base, refined earthenware, decorated, pink, fragment	6.1 g
					14	1		whiteware, footring and base, refined earthenware, hand painted underglaze, black, fragment	4 g
					15	1		whiteware, hollowware, body, refined earthenware, hand painted underglaze, blue, fragment	2.1 g
					16	1		whiteware, rim, refined earthenware, undecorated, fragment	1.9 g
					17	3		whiteware, footring and base, refined earthenware, undecorated, fragment	12.1 g
					18	2		whiteware, base, refined earthenware, undecorated, fragment	14.1 g
					19	10		whiteware, body, refined earthenware, undecorated, some fragments mend	28.5 g
					20	1		whiteware, body, refined earthenware, undecorated, burned, fragment	1.5 g
					21	6		window, glass, some fragments mend	18.6 g
					22	3		nail, iron alloy, cut, fragment	24.6 g
					23	1		nail, iron alloy, wire, fragment	4.2 g
					24	3		nail, iron alloy, indeterminate, fragment	11 g
16		3		18	1	1		vessel, body, glass, pale aqua, mold blown, fragment	3.3 g
					2	9		brick, red, fragment	94 g
					3	1		nail, iron alloy, cut, fragment	6 g
17		1		19	1	1		bottle, body, glass, dark green, mold blown, fragment	6.3 g
17		5		20	1	3		nail, iron alloy, indeterminate, fragment	26.4 g