Phase I Archaeological Investigations at Lake Station Road
Town of Chester, Orange County, New York

March 2021

Prepared for:
Arden Consulting Engineers, PLLC, Monroe, New York
EZ Develop, Inc., Monroe, New York

Alfred G. Cammisa, M.A.
with Alexander Padilla, B.A. (CAD)

1052

MANAGEMENT SUMMARY

PR#:
Not known

Involved agencies:
NYDEC
Town of Chester

Phase:
Phase IA & IB

Location:
Town of Chester
Orange County

Survey Area:
Length: about 1100 feet (3635meters) north-south
Width: about 700 feet (2183 m) east-west
Acres Surveyed: about 16 acres (6.4 hectares) with wetlands

USGS:
Warwick, NY

Survey overview:
ST no. & interval: 245 ST's at 50 ft. (15m)

Results:
-No prehistoric or historic sites

Structures:
No. Of buildings/structures/cemeteries in project area: none
No. Of buildings/structures/cemeteries adjacent to project area: 3 commercial
No. Of previously determined NR listed or eligible buildings/structures/cemeteries/districts: none
No. Of identified eligible buildings/structures/cemeteries/districts: none

Report Preparation :
Alfred G. Cammisa, M.A.
Alexander Padilla, B.A. (CAD)

Date of Report:
Report completed March 2021

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF PHOTOGRAPHS

INTRODUCTION

Between February 12 and March 18, 2021, TRACKER Archaeology, Inc. conducted a Phase IA documentary study and a Phase IB archaeological survey at Lake Station Road in the Town of Chester, Orange County, New York.

The purpose of the Phase IA documentary study was to determine the prehistoric and historic potential of the project area for the recovery of archaeological remains. The Phase IA was implemented by a review of the original and current environmental data, archaeological site files, other archival literature, maps, and documents. In addition, the study area was visited by the author and visually assessed. The prehistoric and historic site file search was conducted utilizing the resources of the New York State Historic Preservation Office in Waterford, New York. Various historic web sites may have queried to review any pertinent site information.

The purpose of the Phase IB survey was to recover physical evidence for the presence or absence of archaeological remains on the property before their potential destruction. This was accomplished through subsurface testing and ground surface reconnaissance.

These investigations have been conducted in accordance with the standards set forth by the New York Archaeological Council and the New York State Historic Preservation Office.

The project property is about 16 acres with wetlands. The property as a whole is located on either side of Davidson Drive (paper road) which is a proposed extension of the paved Davidson Drive. It is bound to the north by Davidson Drive and private properties, to the south by Lake Station Road and private properties, and to the remaining sides by private properties.

The investigation was completed by TRACKER Archaeology, Inc. of Monroe, New York. Prehistoric and historic research was conducted by PI, Alfred G. Cammisa, M.A. Field work was by Alfred G. Cammisa, crew chief, Alfred T. Cammisa, and field technician, Erin Murphy, B.A. Report preparation was by Alfred G. Cammisa with Alexander Padilla (CAD).

The work was performed for Arden Consulting Engineers, PLLC, Monroe, New York and EZ Develop, Inc., Monroe, New York.

ENVIRONMENT

Geology

The study area is located in the southeast portion of New York State near the central part of Orange County. This region of New York lies within the Ridge and Valley Physiographic Province. This province, also known as the Newer Appalachians, extends from Lake Champlain to Alabama. It passes as a narrow lowland belt between the New England Uplands (Taconic Mountains and Hudson Highlands) to the east and the Appalachian Plateau (Catskill and Shawangunk Mountains) and Adirondack Mountains to the west. The characteristic topography is a succession of parallel valleys and ridges trending roughly in a northeasterly direction. This is a region of sedimentary rocks which were easily eroded and subjected to folding or bedding of the rock layers (Schuberth 1968: cover map, 16-18; Isachsen et al 2000: 4, 53-54; New York-New Jersey Trail Conference 1998: cover map).

Soils and Topography

Soils on the project area consist of:

NAME	SOIL HORIZON DEPTH in(cm)	COLOR	TEXTURE INCLUSION	SLOPE %	DRAINAGE	LANDFORM
Erie	Ap=0-9n (0-23cm) B=9-18 (-46)	10YR3/3 10YR5/8	GrSiLo	0-3	poor	glacial till
Mardin	Ap 0-8in (0-20cm) B 8-15 (-38) B 15-20(-51)	10YR4/2 10YR5/8 10YR6/3	GrSiLo	8-15	well	glacial till deposits

Olsson 1981: map #80, pgs. 20, 39, 90-91, 95).

KEY:

Shade: Lt=Light, Dk=Dark, V=Very
Color: Br=Brown, Blk=Black, Gry=Gray, Gbr=Gray Brown, StBr=Strong Brown, Rbr=Red Brown, Ybr= Yellow Brown
Soils: Si=Silt, Lo=Loam, Sa=Sand, Cl=Clay
Other: Sh=shale, M=Mottle, Gr=Gravelly, Cb=cobbles, /=or

The elevation on the project area ranges from approximately 542 to 600 feet above mean sea level.

Hydrology
A tributary to the Wawayanda Creek, with associated wetlands, flows through the project property. The Wawayanda is a tributary of the Wallkill River which flows north into the Hudson River.

Vegetation
The predominant forest community in this area was probably the Oak Hickory. This forest is a nut producing forest with acorns and hickory nuts usually an obvious part of the leaf litter on the forest floor. The Oak Hickory Forest intermingles with virtually all other forest types. The northern extension of this forest community was also originally called the Oak-Chestnut forest, before the historic Chestnut blight (Kricher 1988:38, 57-60).

At the time of the Phase IB field work, the project area consisted of a largely high canopy forest, mostly cedar, with some undergrowth of briar and scrub.

PREHISTORIC POTENTIAL

A prehistoric site file search was conducted at the New York State Historic Preservation Office. The search included a 1 mile radius around the study area. The following sites were recorded:

NYSM SITES	NYSHPO SITES	DISTANCE FROM APE ft(m)	SITE DESCRIPTION
	7118.000022	3087(941)	Sugar Loaf Mastodon: in black dirt

	7118.000023	2809(856)	Nicotra Farm Mastodon #2: found while ditch digging in black dirt
	7118.000024	3100(945)	Nicotra Farm Mastodon #1: found while ditch digging in black dirt
6205		4500(1372)	Sugar Loaf Paleofauna
	7118.000042	4090(1247)	Airport Site: fluted point

An Indian foot trail followed roughly along the path of Kings Highway. Although this foot path was recorded historically, it undoubtedly existed prehistorically, to some extent (see Historic Potential).

Assessing the known environmental and prehistoric data, we can summarize the following points:

-An a tributary to the Wawayanda Creek, with associated wetlands, flows through the project property. The Wawayanda is a tributary of the Wallkill River which flows north into the Hudson River.

-The project area has well drained soils with level to steeply sloping terrain and poorly drained soils associated with wetlands.

-Numerous prehistoric site was recorded near the project area.

-An Indian foot trail was located near current Kings Highway, adjacent to the study area.

In our opinion, the study area has a higher than average potential for the recovery of prehistoric sites. The type of site encountered could be a procurement/processing or base camp site from either Woodland or Archaic Periods.

HISTORIC POTENTIAL

Seventeenth Century

At the time of European contact and settlement, the study area was probably occupied by the Waoranecks who lived between Stony Point and Danns Kammer (near Newburgh Bay). Their western boundary unknown. These peoples were likely a sub-branch and/or clan related to the large Munsee (Minsi) tribe belonging to the Delawarean linguistic family. The term “Minsi” (or “Munsee”) means people of the stony country” or abbreviated as “mountaineers” (Ruttenber 1992A:35, 44-45, 49-50, 93; Ruttenber 1992B:221; Becker 1993:16-22; Weslager 1991:45; Synder 1969:2; Figure 3).

Population estimates for the Munsee are 600 to 800 individuals. The Munsee are described by Becker (1993:18) as possibly horticultural. Hull (1996:10) mentions that they were hunters, gatherers, and horticulturalists. They fished in the fast running waters of the Wawayanda and Pochuck creeks.

An Indian trail known as the Wawayanda Trail started at the tribal meeting grounds at Danns Kammer, then passed through Washingtonville, Chester, Warwick and Vernon villages, and eventually on to Philadelphia. This road, or the close approximation, is currently known as Kings Highway (Hull 1996:127; Durland 1903:148).

Eighteenth Century

The Waoraneck Munsees living in Warwick had a large settlement a few hundred yards from the old Welling farm on Route 94 (Kings Highway here). This group was known locally, or their village was known locally as the Mistucky. It was recorded that these Indians had an apple orchard. Their chief/headman was called Chuckhass in the early eighteenth century. Chuckhass was one of the twelve chiefs signing the Wawayanda Patent to release their territory (Durland 1903:148; Ruttenber and Clarke 1881:568).

In many of the valleys between the high mountain ridges, are the old roads, following in some instances, Indian foot paths (Durland 1903:148).

The 1779 Sauthier map shows the study property east of Kings Highway, north of Wickham Lake, and west of what is believed to be Sugar Loaf Mountain(Figure 3).

Nineteenth Century

Chester's chief business was agriculture. The Town is said to contain some of the most fertile land in the state (Ruttenber 1881:620; Durland 1903:148).

The 1850 Map of Orange County shows the project area near the intersection of Lake Station and Bellvalle Roads. A structure, a school, is near the property at the intersection of the aforementioned roads (Figure 4).

The 1875 Beers atlas of Chester Town shows the aforementioned school adjacent to the project parcel (Figure 5).

During the 1880's businesses in the village included: a hotel, post office, insurance company, bakery, undertaker, boots and shoes store, Allison's store-a place of trade, stoves and hardware, confectionary, restaurant, the doctor's office, groceries, meat market, drug store, dry goods-groceries-general merchandise, harness-shop, millinery, dress-making, and two carpenter shops. In town, but outside the village proper, were located other business (Ruttenber 1881:616).

Twentieth Century

The 1908 USGS shows a church and a pond adjacent to the project area (Figure 6).

An historic site file search was conducted at the New York State Historic Preservation Office. The search included a 1 mile radius around the study area. The following sites were recorded:

NYSM SITES	NYSHPO SITES	DISTANCE FROM APE ft(m)	SITE DESCRIPTION
	7102.000070	Adjacent	Lake StationDistrict #2: Pre 1850 with clear window & bottle glass, porcelain, ceramic & sherds

NYSM SITES	NYSHPO SITES	DISTANCE FROM APE ft(m)	SITE DESCRIPTION
	7102.000069	Adjacent	Dam: post 1903 with stones & masonry

An Indian foot trail followed roughly along the path of Kings Highway.

Assessing the known environmental and historic data, we can summarize the following points:

-An a tributary to the Wawayanda Creek, with associated wetlands, flows through the project property. The Wawayanda is a tributary of the Wallkill River which flows north into the Hudson River.

-The project area has well drained soils with level to steeply sloping terrain and poorly drained soils associated with wetlands.

-Historic sites were recorded nearby the project area.

-An Indian foot trail was located near current Kings Highway, adjacent to the study area. It likely hooked up with other trails in the area.

-A 19th century MDS is shown adjacent to the project area which appears to have been a school and later converted to a church.

In our opinion, the study area has a higher than average potential for the recovery of Euro-American historic sites.

FIELD METHODS

Walkover

Any exposed ground surfaces were walked over at about 3 to 5 meter intervals to observe for artifacts. Covered ground terrain was reconnoitered at about 15 meter intervals for any above ground features, such as berms, depressions, or rock-shelters which might be evidence for historic or prehistoric sites.

Shovel Testing

Shovel tests were excavated at about 15 meter intervals throughout the project area. Each shovel test measured about 30 cm. in diameter and was excavated into the underlying subsoil (B horizon) 10 to 20 cm. if possible. All soils were screened through 1/4 inch wire mesh and observed for artifacts. Shovel test pits were flagged in the field. All shovel tests (ST's) were mapped on the project area map at this time.

Soil stratigraphy was recorded according to texture and color. Soil color was matched against the Munsell color chart for soils. Notes on ST stratigraphy and other information was transcribed in a notebook and on pre-printed field forms.

FIELD RESULTS

Field testing of the project property included the excavation of 245 shovel tests. No prehistoric or historic artifacts or features were encountered. Old perk tests were encountered. The proposed Davidson Road extension was graded/cut through the terrain. Dumping of old back-dirt along these areas was noticed.. The remains of a small concrete dam were noted, consisting of 2 concrete slabs with a metal inclusion, just off the APE, within wetlands along the stream. (The historic MDS shown adjacent to project property is now a mid-20th century factory and is located on the other side of the stream)

Stratigraphy
Soil textures across the project area consisted of:

A/O Horizon - about 3 to 5 cm. thick of root mat, leaf litter and humus in undisturbed soils.

A Horizon - about 12 to 29 cm. thick.of 10YR4/4 dark yellow brown or a 10YR4/3 brown gravelly silty loam or gravelly loam. Where the proposed road was cut through and where the perk tests were, the soil was often graded and topsoil truncated.

B Horizon - about 0 to 20 cm. dug into of 10YR5/4 yellow brown gravelly silty loam or gravelly loam.

CONCLUSIONS AND RECOMMENDATIONS

Based upon proximity to a stream and wetlands, prehistoric sites, Indian trails, and level to steeply sloped terrain with well drained to poorly drained soils, the project area is seen as having a higher than average potential for the recovery of prehistoric sites.

Based upon the similar environmental characteristics and proximity to historic sites, MDS's, and Indian trails, the project area was seen as having a higher than average potential for encountering historic sites.

The field survey included the excavation of 245 ST's on the project property No prehistoric sites were encountered. No historic, 19th century or earlier, artifacts or features were encountered. Two concrete slabs were noted on property along stream within wetlands and are likely the remains of a 20th century dam. No further archaeological work is recommended.

BIBLIOGRAPHY

Becker, Marshall Joseph
1993 The Lenape and Other "Delawarean" Peoples at the time of European Contact: Populations Estimates Derived from Archaeological and Historical sources, in *Journal of the New York State Archaeological Association,* #105 Spring.

Durland, Frank
1903 Town of Chester, in *History of Orange County, New York.* Russell Headley, editor. Van Deusen and Elms, Middletown, New York.

Hull, Richard W
1996 *History of Warwick, New York.* Royal Fireworks Press of Unionville, NY.

Kricher, John C. and Gordon Morison
1988 *The Peterson Field Guide Series: Eastern Forests of North America.* Houghton Mifflin Company, Boston.

Levy, S.J.
1947 *Chester, New York: A History.* S.J. Levy.

New York-New Jersey Trail Conference
1998 *New York Walk Book.* New York-New Jersey Trail Conference.

Olsson, Karl S.
1981 *Soil Survey of Orange County, New York.* U.S. Department of Agriculture, Soil Conservation Service in Cooperation with Cornell University Agricultural Experimental Station.

Ruttenber, E.M.
1992A *Indian Tribes of Hudson's River - to 1700.* Hope Farm Press, Saugerties, New York.

1992B *Indian Tribes of Hudson's River - 1700-1850.* Hope Farm Press, Saugerties, New York.

Ruttenber, E.M. and L.H. Clarke
1881 *History of Orange County, New York.* Everts and Peck, Philadelphia.

Schuberth, Christopher J.
1968 *The Geology of New York State and Environs.* New York: Natural History Press.

Synder, John P.
1969 *The Story of New Jersey's Civil Boundaries: 1606-1968.* Bureau of Geology- Topography, New Jersey.

Weslager, C.A.
1991 *The Delaware Indians - A History.* Rutgers University Press, New Jersey.

<u>Maps</u>
Beers, F.W.
1875 *County Atlas of Orange County, New York - Chester Town.* Andrew, Baskin, and Burr, New York.

Burr, David H.
1840 *Map of the Counties of Orange and Rockland.* Steve & Clark, Ithaca, New York.

Hearne Brothers
not dated *Indians of New York.* Earth Science Projection Map. Hearne Brothers, Michigan.

Sauthier, Claude Joseph
1779 *A Chronological Map of the Province of New York in North America, Divided into Counties, manors, Patents, Townships, and Grants of Land*. William Faden, London.

Sidney, J.H.
1850 *Map of Orange County, New York.* Newell S. Brown, Newburgh and Philadelphia.

United States Geologic Survey
1967 *Warwick, New York* quadrangle map, 7.5 minute series.

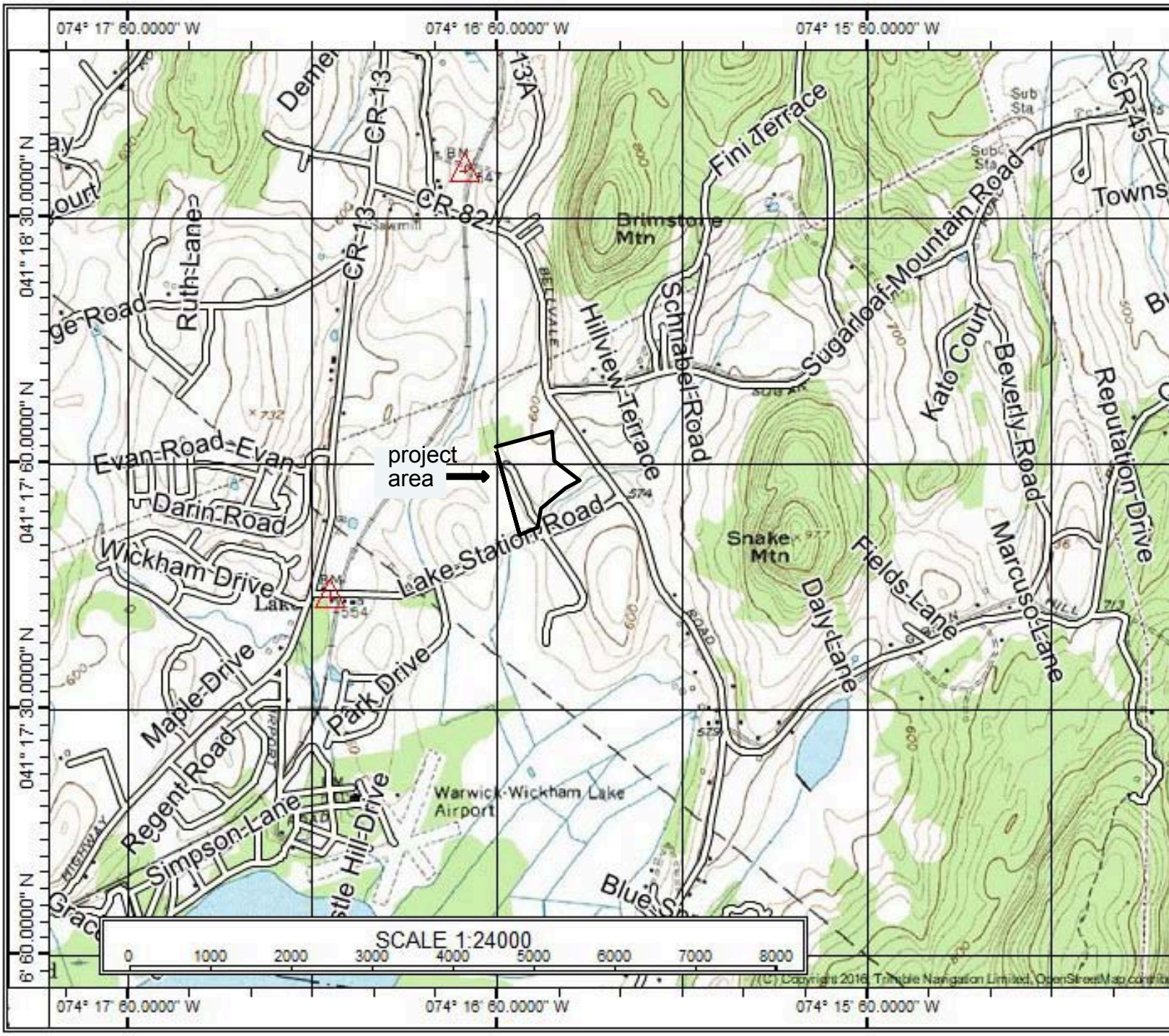
1908 *Goshen, New York* quadrangle map, 15 minute series.

APPENDIX 1

Figure 1

N

Warwick, NY USGS



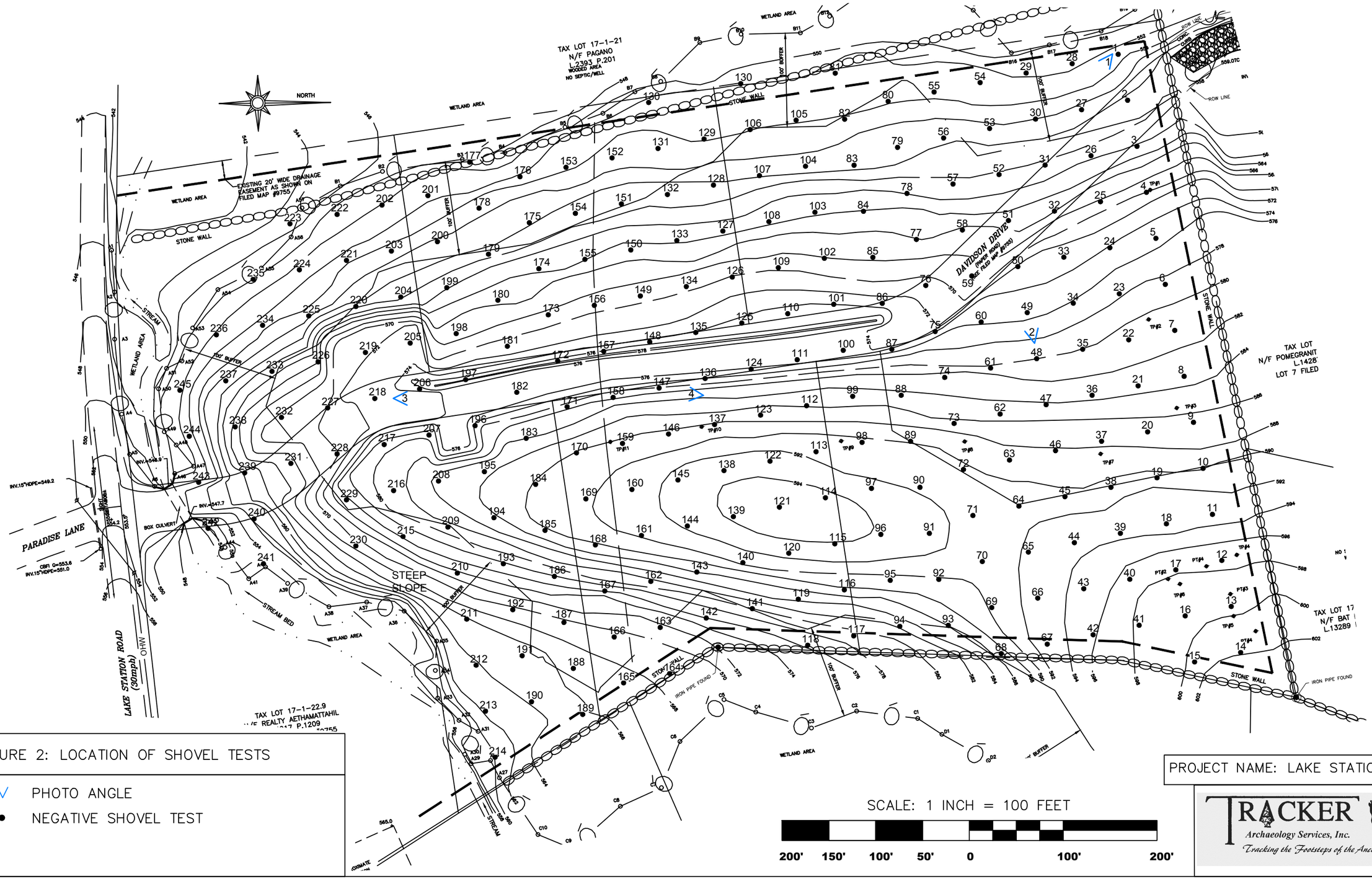

NORTH
TAX LOT 17-1-21
N/F PAGANO
L.2393 P.201
WOODED AREA
NO SEPTIC/WELL
WETLAND AREA
STONE WALL
100' BUFFER
EXISTING 20' WIDE DRAINAGE EASEMENT AS SHOWN ON FILED MAP #9755
DAVIDSON DRIVE
(PAPER ROAD)
(SEE FILED MAP #7755)
ROW LINE
CONC.
559.0TC
STREAM
PARADISE LANE
LAKE STATION ROAD
(30mph)
OHW
BOX CULVERT
INV.15"HDPE=549.2
INV.=548.9
INV.=547.7
CBFI G=553.6
INV.15"HDPE=551.0
STEEP SLOPE
STREAM BED
IRON PIPE FOUND
TAX LOT 17-1-22.9
TAX LOT
N/F POMEGRANIT
L.1428
LOT 7 FILED
TAX LOT 17
N/F BAT
L.13289
TP#1
TP#2
TP#3
TP#4
TP#5
PT#1
PT#2
PT#3
PT#4
PT#5
PT#6
FIGURE 2: LOCATION OF SHOVEL TESTS
PHOTO ANGLE
NEGATIVE SHOVEL TEST
SCALE: 1 INCH = 100 FEET
200' 150' 100' 50' 0 100' 200'
PROJECT NAME: LAKE STATION RD.
TRACKER
Archaeology Services, Inc.
Tracking the Footsteps of the Ancestors

Figure 3

1779 Sauthier map

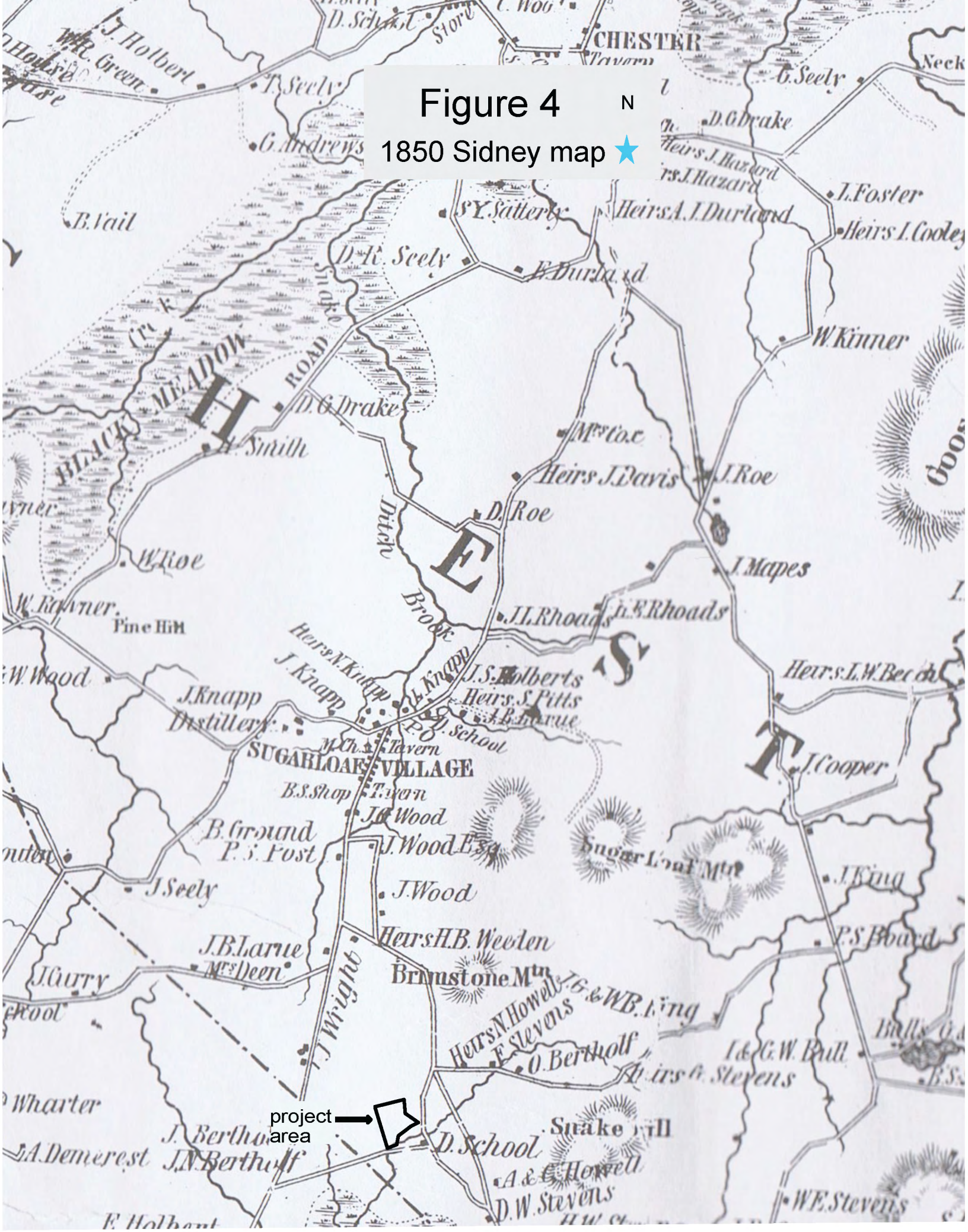


Figure 4
1850 Sidney map
N
project area
CHESTER
SUGARLOAF VILLAGE
Brimstone Mtn
Sugar Loaf Mtn
Pine Hill
Snake Hill
BLACK MEADOW ROAD
Ditch
Brook
D. G. Drake
H. Smith
W. Roe
D. Roe
Heirs J. Davis
J. Roe
J. Mapes
W. Kinner
J. H. Rhoads
J. Knapp
J. Knapp Distillery
P. O.
D. School
J. Wood
J. Wood Esq
J. Seely
J. B. Larrie
Mrs Deen
J. Curry
J. Wright
Heirs H. B. Weeden
Heirs N. Howell
E. Stevens
O. Berthoff
J. & W. B. King
I. & G. W. Bull
J. King
P. S. Board
J. Cooper
Heirs I. W. Beech
Heirs S. Pitts
J. S. Roberts
B. Ground
P. S. Post
B. S. Shop
Tavern
J. Berthoff
J. N. Berthoff
A. Demerest
Wharter
A. & G. Howell
D. W. Stevens
W. E. Stevens
E. Holbert
B. Vail
G. Andrews
T. Seely
J. Holbert
Wm. R. Green
G. Seely
Heirs A. J. Durland
Heirs I. Cooley
J. Foster
W. Kinner
S. Y. Satterly
D. R. Seely
Heirs J. Hazard
D. G. Drake
Mrs Cox


Figure 5
1875 Beers atlas
N
project area
SUGAR LOAF MOUNTAIN
WARWICK
SCHOOL
P.O.

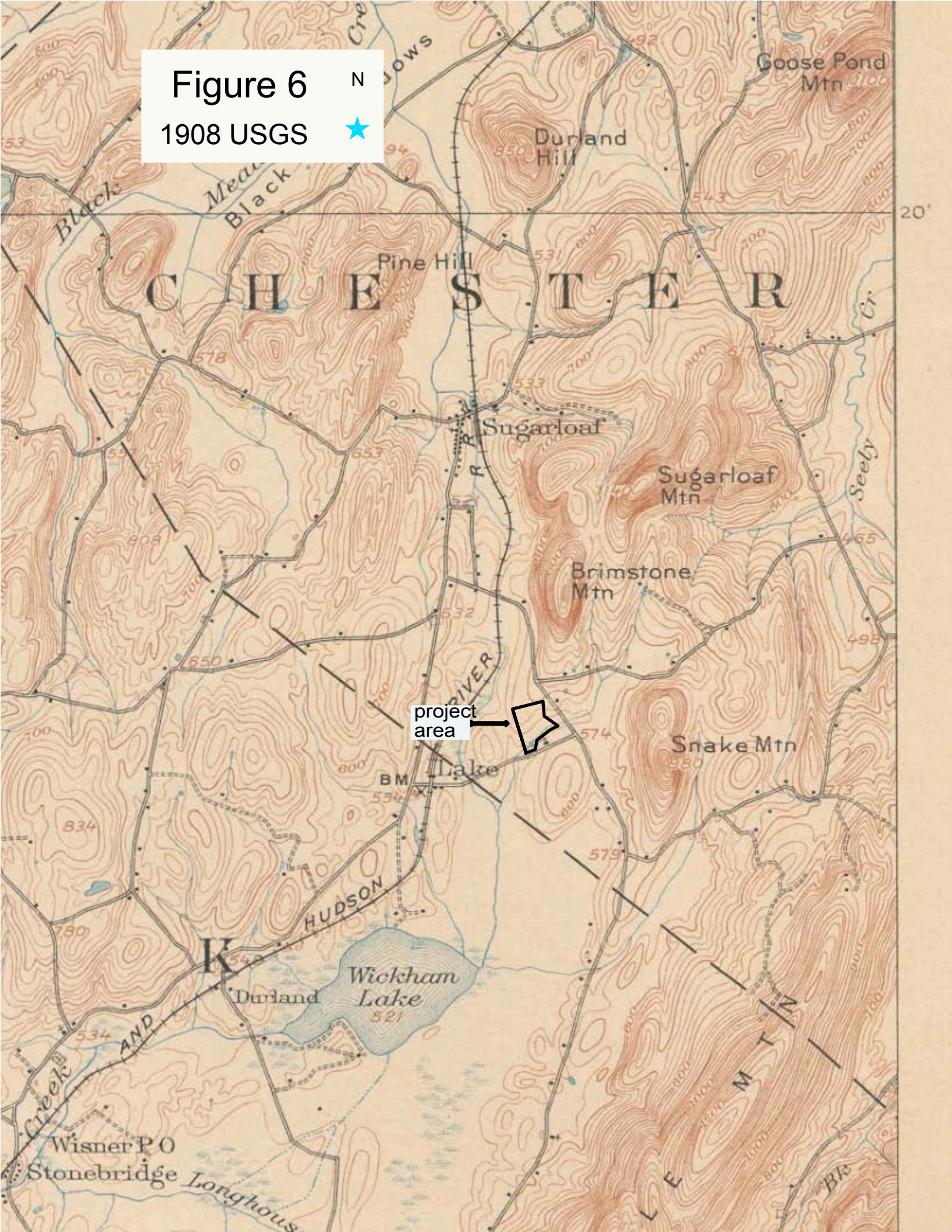


Figure 6
1908 USGS
N
Goose Pond Mtn
Durland Hill
Pine Hill
C H E S T E R
Sugarloaf
Sugarloaf Mtn
Brimstone Mtn
Seely Cr.
project area
Snake Mtn
Lake
BM
HUDSON
Wickham Lake
Durland
Wisner P O
Stonebridge
Longhouse
Creek
AND
20'

Figure 7

N

County Soil Survey


Photo 1
Looking south from ST 1


Photo 2
Looking west toward proposed (graded)
road and associated back-dirt


Photo 3
Looking north along proposed Davidson Drive extension near Lake Station Road


Photo 4
Looking toward proposed road
at abandoned concrete basins

APPENDIX 2

SHOVEL TESTS

	STP	LV	DEPTH(CM)	TEXTURE	COLOR	HOR	COMMENT
1	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-30		GrSiLo	10YR4/4	A	NCM
	3	30-40		GrSiLo	10YR5/4	B	NCM
2	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-30		GrSiLo	10YR4/4	A	NCM
	3	30-40		GrSiLo	10YR5/4	B	NCM
3	1	0-3		rootmat,leaves,humus		A/O	NCM
	2	3-26		GrSiLo	10YR4/4	A	NCM
	3	26-36		GrSiLo	10YR5/4	A	NCM
4	1	0-3		rootmat,leaves,humus		A/O	NCM
	2	3-27		GrSiLo	10YR4/4	A	NCM
	3	27-37		GrSiLo	10YR5/4	B	NCM
5	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-30		GrSiLo	10YR4/4	A	NCM
	3	30-40		GrSiLo	10YR5/4	B	NCM
6	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-30		GrSiLo	10YR4/4	A	NCM
	3	30-40		GrSiLo	10YR5/4	B	NCM
7	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-28		GrSiLo	10YR4/4	A	NCM
	3	28-38		GrSiLo	10YR5/4	B	NCM
8	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-28		GrSiLo	10YR4/4	A	NCM
	3	28-38		GrSiLo	10YR5/4	B	NCM
9	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-28		GrSiLo	10YR4/4	A	NCM
	3	28-38		GrSiLo	10YR5/4	B	NCM
10	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-28		GrSiLo	10YR4/4	A	NCM
	3	28-38		GrSiLo	10YR5/4	B	NCM
11	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-28		GrSiLo	10YR4/4	A	NCM
	3	28-38		GrSiLo	10YR5/4	B	NCM
12	1	0-4		rootmat,leaves,humus		A/O	NCM
	2	4-26		GrSiLo	10YR4/4	A	NCM
	3	26-36		GrSiLo	10YR5/4	B	NCM

13	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-36	GrSiLo	10YR5/4	B	NCM
14	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-36	GrSiLo	10YR5/4	B	NCM
15	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-36	GrSiLo	10YR5/4	B	NCM
16	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
17	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
18	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
19	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
20	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/44	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
21	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
22	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
23	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
24	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
25	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	GrSiLo	10YR4/4	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM

26	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
27	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
28	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
29	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-37	GrSiLo	10YR5/4	B	NCM
30	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	GrSiLo	10YR4/4	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
31	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	GrSiLo	10YR4/4	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
32	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-33	GrSiLo	10YR4/4	A	NCM
	3	33-43	GrSiLo	10YR5/4	B	NCM
33	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	GrSiLo	10YR4/4	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
34	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrSiLo	10YR4/4	A	NCM
	3	20-water				
35	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrSiLo	10YR4/4	A	NCM
	3	20-water				
36	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	GrSiLo	10YR4/4	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
37	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
38	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM

39	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
40	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
41	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
42	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
43	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
44	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-25	GrSiLo	10YR5/4	B	NCM
45	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-25	GrSiLo	10YR5/4	B	NCM
46	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-25	GrSiLo	10YR5/4	B	NCM
47	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-25	GrSiLo	10YR5/4	B	NCM
48	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/4	A	NCM
	3	25-25	GrSiLo	10YR5/4	B	NCM
49	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	GrSiLo	10YR4/4	A	NCM
	3	15-water				
50	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
51	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM

52	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
53	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
54	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
55	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
56	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
57	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
58	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
59	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
60	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
61	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
62	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
63	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
64	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM

65	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/4	A	NCM
	3	26-26	GrSiLo	10YR5/4	B	NCM
66	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-27	GrSiLo	10YR5/4	B	NCM
67	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-27	GrSiLo	10YR5/4	B	NCM
68	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-27	GrSiLo	10YR5/4	B	NCM
69	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-27	GrSiLo	10YR5/4	B	NCM
70	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-27	GrSiLo	10YR5/4	B	NCM
71	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrSiLo	10YR4/4	A	NCM
	3	27-27	GrSiLo	10YR5/4	B	NCM
72	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
73	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
74	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
75	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/4	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
76	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
77	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM

78	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
79	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
80	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-28	GrSiLo	10YR5/4	B	NCM
81	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
82	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
83	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
84	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
85	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	GrSiLo	10YR4/3	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
86	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	GrSiLo	10YR4/3	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
87	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	GrSiLo	10YR4/3	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
88	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	GrSiLo	10YR4/3	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
89	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	GrSiLo	10YR4/3	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
90	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	GrSiLo	10YR4/3	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM

91	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
92	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
93	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
94	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
95	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
96	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
97	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
98	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
99	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
100	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/3	A	NCM
	3	29-39	GrSiLo	10YR5/4	B	NCM
101	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
102	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
103	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM

104	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
105	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
106	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
107	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-33	GrSiLo	10YR4/3	A	NCM
	3	33-43	GrSiLo	10YR5/4	B	NCM
108	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
109	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
110	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	GrSiLo	10YR4/3	A	NCM
	3	32-42	GrSiLo	10YR5/4	B	NCM
111	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-20	GrSiLo	10YR4/3	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
112	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-38	GrSiLo	10YR5/4	B	NCM
113	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-38	GrSiLo	10YR5/4	B	NCM
114	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-38	GrSiLo	10YR5/4	B	NCM
115	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-38	GrSiLo	10YR5/4	B	NCM
116	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/3	A	NCM
	3	28-38	GrSiLo	10YR5/4	B	NCM

117	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrSiLo	10YR4/3	A	NCM
	3	26-36	GrSiLo	10YR5/4	B	NCM
118	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/4	B	NCM
119	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/4	B	NCM
120	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/4	B	NCM
121	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/4	B	NCM
122	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-23	GrLo	10YR4/3	A	NCM
	3	23-33	GrLo	10YR5/4	B	NCM
123	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-23	GrLo	10YR4/3	A	NCM
	3	23-33	GrLo	10YR5/4	B	NCM
124	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-10	GrLo hardpack	10YR4/3	A	NCM
	3	10-30	GrLo	10YR5/4	B	NCM

Note: on proposed road

125	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-23	GrLo	10YR4/3	A	NCM
	3	23-33	GrLo	10YR5/4	B	NCM
126	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-23	GrLo	10YR4/3	A	NCM
	3	23-33	GrLo	10YR5/4	B	NCM
127	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-24	GrLo	10YR4/3	A	NCM
	3	24-34	GrLo	10YR5/4	B	NCM
128	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-24	GrLo	10YR4/3	A	NCM
	3	24-34	GrLo	10YR5/4	B	NCM
129	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-24	GrLo	10YR4/3	A	NCM
	3	24-34	GrLo	10YR5/4	B	NCM

130	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/4	B	NCM
131	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/4	B	NCM
132	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/4	B	NCM
133	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/4	B	NCM
134	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/4	B	NCM
135	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrLo	10YR4/3	A	NCM
	3	22-32	GrLo	10YR5/4	B	NCM
136	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-10	GrLo hardpack	10YR4/3	A	NCM
	3	10-30	GrLo	10YR5/4	B	NCM

Note: on proposed road

137	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrLo	10YR4/3	A	NCM
	3	22-32	GrLo	10YR5/4	B	NCM
138	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrLo	10YR4/3	A	NCM
	3	22-32	GrLo	10YR5/4	B	NCM
139	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrLo	10YR4/3	A	NCM
	3	22-32	GrLo	10YR5/4	B	NCM
140	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
141	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
142	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM

143	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
144	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
145	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
146	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
147	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM

Note: near concrete basins

148	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
149	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
150	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
151	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
152	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
153	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
154	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
155	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM

156	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
157	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
158	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-10	GrLo	10YR4/3	A	NCM
	3	10-30	GrLo	10YR5/4	B	NCM

Note: on proposed road

159	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
160	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
161	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
162	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
163	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
164	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
165	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
166	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
167	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
168	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM

169	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
170	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
171	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-10	GrLo	10YR4/3	A	NCM
	3	10-25	GrLo	10YR5/4	B	NCM
172	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
173	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
174	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
175	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
176	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
177	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
178	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
179	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
180	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
181	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM

182	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-2	GrLo	10YR4/3	A	NCM
	3	2-22	GrLo	10YR5/4	B	NCM

Note: on proposed road

183	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
184	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
185	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
186	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
187	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
188	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrLo	10YR4/3	A	NCM
	3	22-32	GrLo	10YR5/4	B	NCM
189	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrLo	10YR4/3	A	NCM
	3	22-32	GrLo	10YR5/4	B	NCM
190	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrLo	10YR4/3	A	NCM
	3	22-32	GrLo	10YR5/4	B	NCM
191	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrLo	10YR4/3	A	NCM
	3	22-32	GrLo	10YR5/4	B	NCM
192	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
193	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
194	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM

195	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
196	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
197	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-9	GrLo	10YR4/3	A	NCM
	3	9-29	GrLo	10YR5/4	B	NCM

Note: on Davidson ext.

198	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
199	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
200	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
201	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
202	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
203	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
204	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
205	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
206	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-10				
	3	10-20	GrLo	10YR5/4	B	NCM

Note: on Davidson ext

207	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM

208	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
209	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-10	GrLo	10YR4/3	A	NCM
	3	10-root				
210		0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
210	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
211	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
212	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
213	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
214	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
215	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
216	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
217	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
218	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-8	GrLo	10YR4/3	A	NCM
	3	8-28	GrLo	10YR5/4	B	NCM

Note: on Davidson ext

219	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-40	GrLo	10YR4/3	A	NCM

Note: on backhoe berm

220	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
221	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
222	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-10	GrLo	10YR4/3	A	NCM
	3	10-25	GrLo	10YR5/4	B	NCM
223	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
224	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
225	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
226	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-40	GrLo	10YR4/3	A	NCM

Note: on backhoe berm

227	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-8	GrLo	10YR4/3	A	NCM
	3	8-28	GrLo	10YR5/4	B	NCM

Note: on Davidson ext

228	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
229	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrLo	10YR4/3	A	NCM
	3	20-30	GrLo	10YR5/4	B	NCM
230	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
231	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-6	GrLo	10YR4/3	A	NCM
	3	6-20	GrLo	10YR5/4	B	NCM

Note: on Davidson ext

232	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM

233	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
234	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
235	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrLo	10YR4/3	A	NCM
	3	16-26	GrLo	10YR5/4	B	NCM
236	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
237	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
238	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-18	GrLo	10YR4/3	A	NCM
	3	18-28	GrLo	10YR5/4	B	NCM
239	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	GrLo	10YR4/3	A	NCM
	3	15-25	GrLo	10YR5/4	B	NCM
240	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-6	GrLo	10YR4/3	A	NCM
	3	6-20	GrLo	10YR5/4	B	NCM

Note: on Davidson ext

240	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	GrLo	10YR4/3	A	NCM
	3	15-25	GrLo	10YR5/4	B	NCM
241	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	GrLo	10YR4/3	A	NCM
	3	15-25	GrLo	10YR5/4	B	NCM
242	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	GrLo	10YR4/3	A	NCM
	3	15-25	GrLo	10YR5/4	B	NCM
243	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-6	GrLo	10YR4/3	A	NCM
	3	6-20	GrLo	10YR5/4	B	NCM

Note: on Davidson ext

244	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM
245	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	GrLo	10YR4/3	A	NCM
	3	17-27	GrLo	10YR5/4	B	NCM