Appendix N

TRACKER

Archaeology Services, Inc.

Tracking the Footsteps of the Ancestors

REPORTS OF INVESTIGATIONS

Extended Phase IB Archaeological Survey
for the proposed Shops at Riverhead
Township of Brookhaven, Suffolk County, New York

January 2007

Prepared for:

Heritage Riverhead Retail Developers, LLC,
West Hartford, Connecticut
GreenbergFarrow, Dedham, Massachusetts

Prepared by:

Alfred G. Cammisa, RPA
Felicia Cammisa, Alexander Padilla

Report #: 482

TRACKER ARCHAEOLOGY SERVICES, INC.
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MANAGEMENT SUMMARY

PR#:
none known

Involved agencies:
Riverhead, NY

Phase:
Phase IB

Location:
Town of Riverhead
Suffolk County

Survey Area:
Width: about 1100 feet (335 meters) east-west
Length: about 900 feet (274 m) north-south.
Acres Surveyed: about 26 acres (10.7 hectares)

USGS:
Riverhead, NY

Survey overview:
ST no. & interval: 384
ST's at 50 ft (15m) intervals

Results:
No prehistoric or historic remains.

Results of Architectural Survey:
No. Of buildings/structures/cemeteries in project area: 1
No. Of buildings/structures/cemeteries adjacent to project area: 1
No. Of previously determined NR listed or eligible buildings/structures/cemeteries/districts: none
No. Of identified eligible buildings/structures/cemeteries/districts: none

Authors:
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Felicia Cammisa, B.A.
Alexander Padilla, B.A.

Date of Report:
Report completed January, 2007

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INTRODUCTION

Between November 16 and December 8, 2006, TRACKER-Archaeology Services, Inc. conducted an extended Phase IB archaeological survey for the proposed Shops at Riverhead, in the Town of Riverhead, Suffolk County, New York. The purpose of the survey was to provide physical evidence for the presence or absence of archaeological sites on the project area. The current investigations comprise an extended Phase IB field work for the associated extended proposed construction added on to the property after the original Phase IA and IB were completed in 2002 under the development name of "Marquee Plaza" (see Cammisa 2002).

The entire property is about 41 acres in size. However, about 15 acres of the property was subjected to a Phase IB in 2002. The approximate remaining 26 acres, inclusive with parking lot, were part of the current investigations. The property as a whole is bordered to the south by Old Country Road (CR 58) and a commercial property, and to the east, north, and west by commercial properties.

The work was performed by TRACKER-Archaeology Services, Inc. of Monroe, New York. Field work was conducted by field director, Jean Cascardi, B.A., and field technicians, Michelle Cotty, B.A. and Elaine Peiffer, B.A. Report preparation by Alfred Cammisa, M.A., Felicia Cammisa, B.A, and Alexander Padilla, B.A.

The work was performed for Heritage Riverhead Retail Developers, LLC, West Hartford, Connecticut and GreenbergFarrow, Dedham, Massachusetts.

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 approximately 15 meter intervals to observe for any above ground features, such as berms, depressions, or rock configurations which might be evidence for historic or prehistoric features. Photographs were taken of the property.

Shovel Testing
Shovel tests (ST's) were excavated at approximately 15 meter intervals across the project area.

Each ST measured about 30 to 40 cm. in diameter and was dug into the underlying subsoil (B horizon) 10 to 20 cm. when possible. All soils were screened through 1/4 inch wire mesh and observed for artifacts. Shovel test pits were flagged in the field.

Soil stratigraphy was recorded according to texture and color. Soil color was matched against the Munsell color chart for soils. Notes were transcribed in a notebook.

FIELD RESULTS

Field testing of the project area included the excavation of 384 ST's. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered. A large asphalt parking lot was on the project area.

Stratigraphy
Stratigraphy across the project area consisted of the following:

A/O horizon - 2 to 14 cm. thick of root mat, leaf litter and humus.

A horizon - 4 to 36 cm. thick of 10YR4/2 dark grey brown sand.

B horizon - 10 to 18 cm. dug into of 10YR5/6 yellow sand.

CONCLUSIONS AND RECOMMENDATIONS

During the course of the Phase IB survey, 384 ST's were excavated. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered. No further archaeological work is recommended.

BIBLIOGRAPHY

Cammisa, Alfred G.
2002 *Phase I Archaeological Investigation for the proposed Marquee Plaza, Riverhead, Suffolk County, New York*. TRACKER-Archaeology Services #179. Ms. On file with Town of Riverhead.

United States Geologic Survey
1945 *Riverhead, New York* quadrangles, 7.5 minute series (rev.1980).

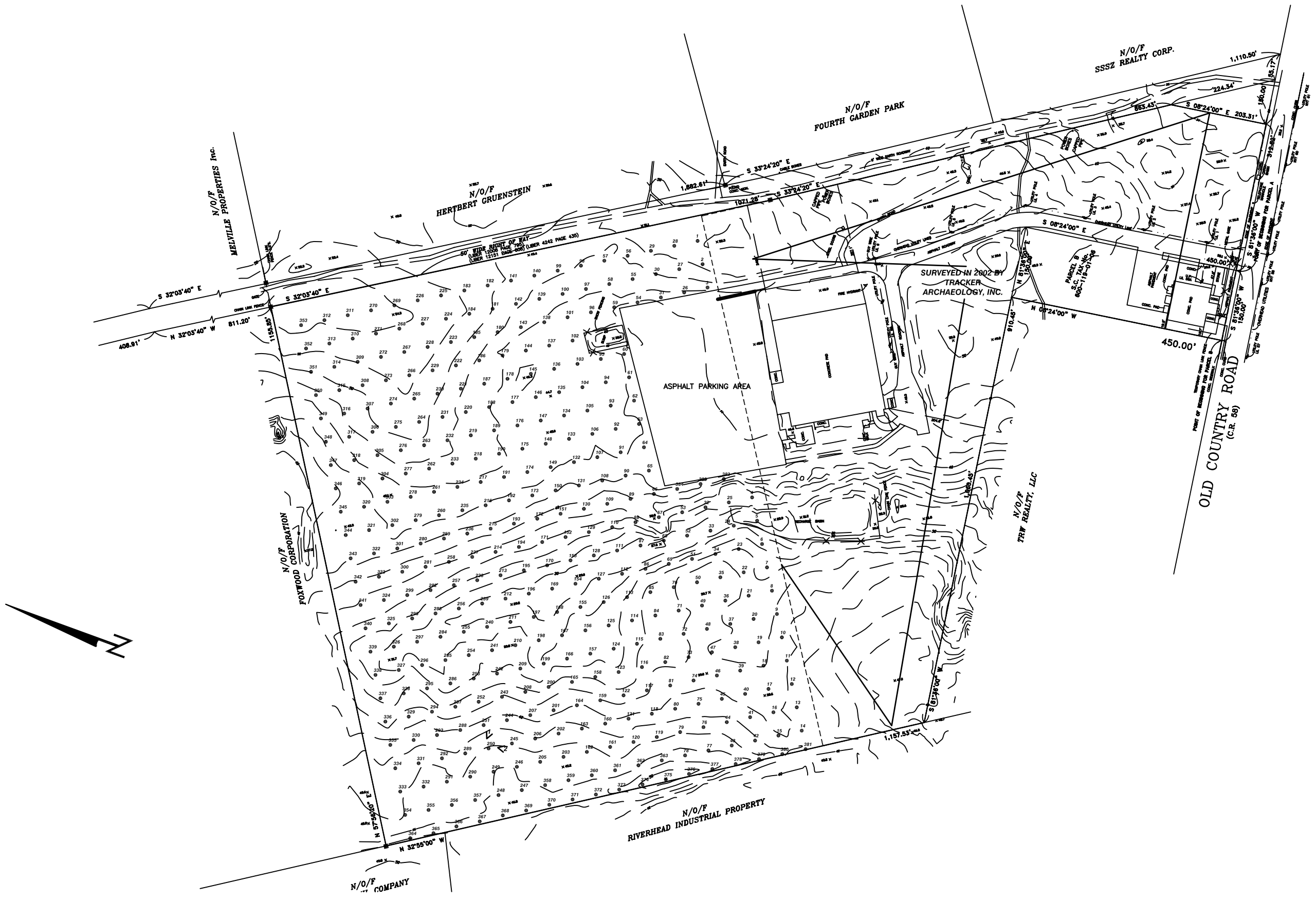


FIGURE 2: LOCATION OF SHOVEL TESTS

- NEGATIVE SHOVEL TEST
- V PHOTO ANGLE

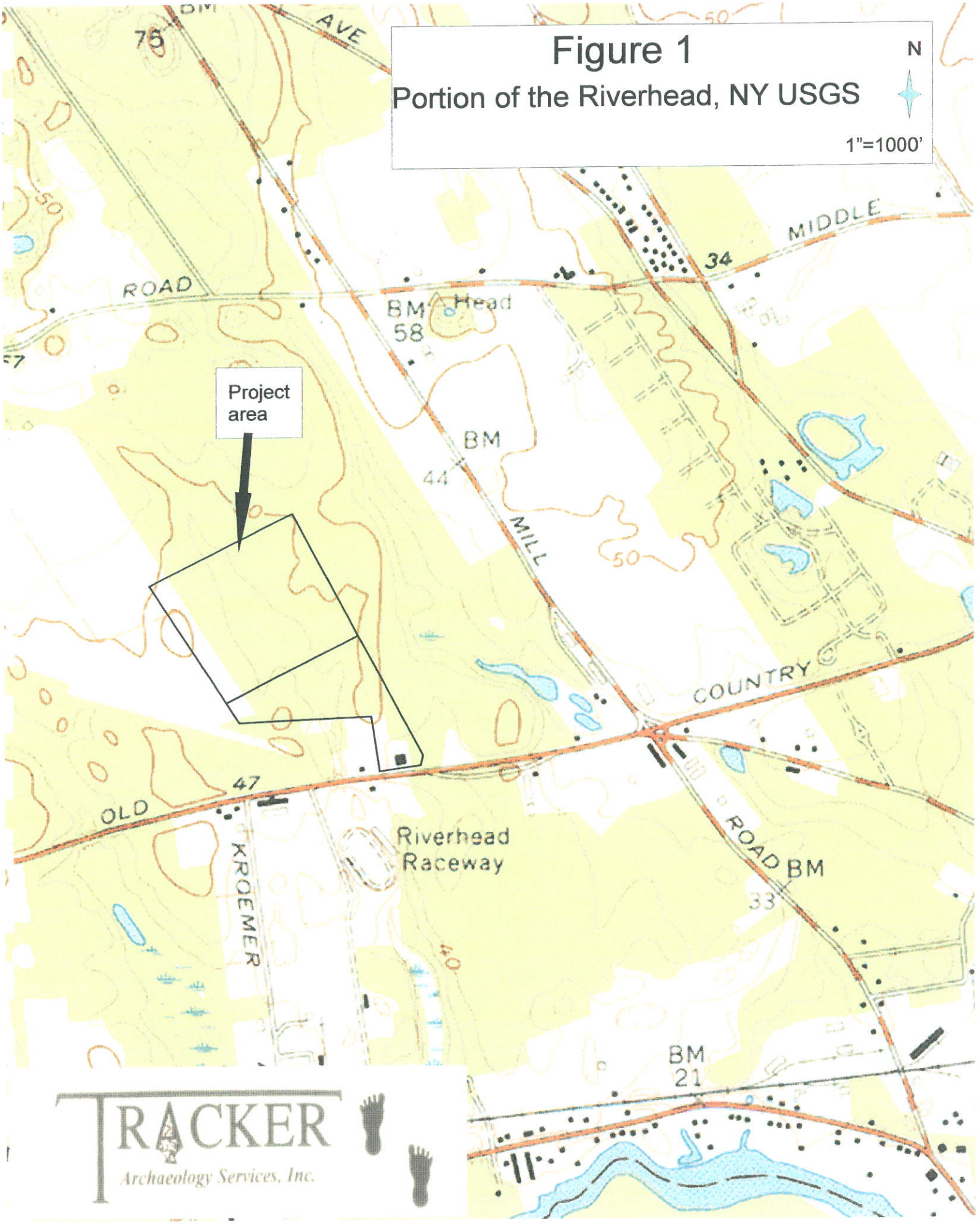
SCALE: 1 INCH = 100 FEET

200' 150' 100' 50' 0 100' 200'

PROJECT NAME: SHOPS AT RIVERHEAD

TRACKER
Archaeology Services, Inc.
"Treading the Footsteps of the Ancestors"

APPENDIX 1



TRACKER
Archaeology Services, Inc.

Photo 1

Looking east
from ST 250

Photo 2

Looking south from ST 250

APPENDIX 2

SHOVEL TESTS

STP	LV	DEPTH(CM)	TEXTURE	COLOR	HOR.	COMMENTS
1	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
2	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-16	Sa	10YR4/2	A	NCM
	3	16-28	Sa	10YR5/6	B	NCM
3	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-32	Sa	10YR4/2	A	NCM
	3	32-45	Sa	10YR5/6	B	NCM
4	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-22	Sa	10YR4/2	A	NCM
	3	22-40	Sa	10YR5/6	B	NCM
5	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-40	Sa	10YR5/6	B	NCM
6	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-28	Sa	10YR4/2	A	NCM
	3	28-47	Sa	10YR5/6	B	NCM
7	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-16	Sa	10YR4/2	A	NCM
	3	16-30	Sa	10YR5/6	B	NCM
8	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-19	Sa	10YR4/2	A	NCM
	3	19-29	Sa	10YR5/6	B	NCM
9	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-21	Sa	10YR4/2	A	NCM
	3	21-33	Sa	10YR5/6	B	NCM
10	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-26	Sa	10YR4/2	A	NCM
	3	26-38	Sa	10YR5/6	B	NCM
11	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-34	Sa	10YR4/2	A	NCM
	3	34-46	Sa	10YR5/6	B	NCM
12	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
13	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM

14	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-17	Sa	10YR4/2	A	NCM
	3	17-34	Sa	10YR5/6	B	NCM
15	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
16	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-25	Sa	10YR4/2	A	NCM
	3	25-37	Sa	10YR5/6	B	NCM
17	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-22	Sa	10YR4/2	A	NCM
	3	22-32	Sa	10YR5/6	B	NCM
18	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-29	Sa	10YR4/2	A	NCM
	3	29-49	Sa	10YR5/6	B	NCM
19	1	0-13	Rootmat,leaves,humus		A/O	NCM
	2	13-27	Sa	10YR4/2	A	NCM
	3	27-40	Sa	10YR5/6	B	NCM
20	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
21	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-19	Sa	10YR4/2	A	NCM
	3	19-31	Sa	10YR5/6	B	NCM
22	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
23	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-17	Sa	10YR4/2	A	NCM
	3	17-30	Sa	10YR5/6	B	NCM
24	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-37	Sa	10YR4/2	A	NCM
	3	37-50	Sa	10YR5/6	B	NCM
25	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-24	Sa	10YR4/2	A	NCM
	3	24-37	Sa	10YR5/6	B	NCM
26	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
27	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-25	Sa	10YR4/2	A	NCM
	3	25-37	Sa	10YR5/6	B	NCM

28	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-32	Sa	10YR4/2	A	NCM
	3	32-44	Sa	10YR5/6	B	NCM
29	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
30	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-21	Sa	10YR4/2	A	NCM
	3	21-33	Sa	10YR5/6	B	NCM
31	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-24	Sa	10YR4/2	A	NCM
	3	24-35	Sa	10YR5/6	B	NCM
32	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-32	Sa	10YR4/2	A	NCM
	3	32-45	Sa	10YR5/6	B	NCM
33	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-22	Sa	10YR4/2	A	NCM
	3	22-40	Sa	10YR5/6	B	NCM
34	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-17	Sa	10YR4/2	A	NCM
	3	17-30	Sa	10YR5/6	B	NCM
35	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-15	Sa	10YR4/2	A	NCM
	3	15-30	Sa	10YR5/6	B	NCM
36	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-19	Sa	10YR4/2	A	NCM
	3	19-36	Sa	10YR5/6	B	NCM
37	1	0-13	Rootmat,leaves,humus		A/O	NCM
	2	13-20	Sa	10YR4/2	A	NCM
	3	20-32	Sa	10YR5/6	B	NCM
38	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-17	Sa	10YR4/2	A	NCM
	3	17-30	Sa	10YR5/6	B	NCM
39	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-20	Sa	10YR4/2	A	NCM
	3	20-32	Sa	10YR5/6	B	NCM
40	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
41	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM

42	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-22	Sa	10YR4/2	A	NCM
	3	22-32	Sa	10YR5/6	B	NCM
43	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
44	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-17	Sa	10YR4/2	A	NCM
	3	17-28	Sa	10YR5/6	B	NCM
45	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-21	Sa	10YR4/2	A	NCM
	3	21-32	Sa	10YR5/6	B	NCM
46	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-16	Sa	10YR4/2	A	NCM
	3	16-26	Sa	10YR5/6	B	NCM
47	1	0-13	Rootmat,leaves,humus		A/O	NCM
	2	13-29	Sa	10YR4/2	A	NCM
	3	29-49	Sa	10YR5/6	B	NCM
48	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-11	Sa	10YR4/2	A	NCM
	3	11-30	Sa	10YR5/6	B	NCM
49	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-17	Sa	10YR4/2	A	NCM
	3	17-30	Sa	10YR5/6	B	NCM
50	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-35	Sa	10YR4/2	A	NCM
	3	35-46	Sa	10YR5/6	B	NCM
51	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-25	Sa	10YR4/2	A	NCM
	3	25-38	Sa	10YR5/6	B	NCM
52	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-19	Sa	10YR4/2	A	NCM
	3	19-31	Sa	10YR5/6	B	NCM
53	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-23	Sa	10YR4/2	A	NCM
	3	23-34	Sa	10YR5/6	B	NCM
54	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-38	Sa	10YR4/2	A	NCM
	3	38-48	Sa	10YR5/6	B	NCM
55	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM

56	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
57	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
58	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-22	Sa	10YR4/2	A	NCM
	3	22-32	Sa	10YR5/6	B	NCM
59	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
60	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-36	Sa	10YR4/2	A	NCM
	3	36-48	Sa	10YR5/6	B	NCM
61	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
62	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
63	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-23	Sa	10YR4/2	A	NCM
	3	23-35	Sa	10YR5/6	B	NCM
64	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-25	Sa	10YR4/2	A	NCM
	3	25-27	Sa	10YR5/6	B	NCM
65	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-19	Sa,fill	10YR4/2	A	NCM
	3	19-32	Sa	10YR5/6	B	NCM
66	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
67	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-16	Sa	10YR4/2	A	NCM
	3	16-32	Sa	10YR5/6	B	NCM
68	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
69	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-17	Sa	10YR4/2	A	NCM
	3	17-28	Sa	10YR5/6	B	NCM

70	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
71	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
72	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-34	Sa	10YR4/2	A	NCM
	3	34-45	Sa	10YR5/6	B	NCM
73	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-22	Sa	10YR4/2	A	NCM
	3	22-33	Sa	10YR5/6	B	NCM
74	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-14	Sa	10YR4/2	A	NCM
	3	14-30	Sa	10YR5/6	B	NCM
75	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-18	Sa	10YR4/2	A	NCM
	3	18-40	Sa	10YR5/6	B	NCM
76	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-15	Sa	10YR4/2	A	NCM
	3	15-28	Sa	10YR5/6	B	NCM
77	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-17	Sa	10YR4/2	A	NCM
	3	17-30	Sa	10YR5/6	B	NCM
78	1	0-13	Rootmat,leaves,humus		A/O	NCM
	2	13-16	Sa	10YR4/2	A	NCM
	3	16-29	Sa	10YR5/6	B	NCM
79	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM
80	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
81	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-32	Sa	10YR5/6	B	NCM
82	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-27	Sa	10YR4/2	A	NCM
	3	27-37	Sa	10YR5/6	B	NCM
83	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-33	Sa	10YR4/2	A	NCM
	3	33-44	Sa	10YR5/6	B	NCM

84	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-20	Sa	10YR4/2	A	NCM
	3	20-32	Sa	10YR5/6	B	NCM
85	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-40	Sa	10YR5/6	B	NCM
86	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-26	Sa	10YR4/2	A	NCM
	3	26-38	Sa	10YR5/6	B	NCM
87	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-24	Sa	10YR4/2	A	NCM
	3	24-35	Sa	10YR5/6	B	NCM
88	2	0-60,fill	Sa	10YR4/2	A	NCM
89	1	0-14	Rootmat,leaves,humus		A/O	NCM
	2	14-50	Sa	10YR4/2	A	NCM
	3	50-51	Sa	10YR5/6	B	NCM
90	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-32	Sa	10YR4/2	A	NCM
	3	32-44	Sa	10YR5/6	B	NCM
91	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-35	Sa	10YR4/2	A	NCM
	3	35-47	Sa	10YR5/6	B	NCM
92	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-34	Sa	10YR4/2	A	NCM
	3	34-45	Sa	10YR5/6	B	NCM
93	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-12	Sa	10YR4/2	A	NCM
	3	12-25	Sa	10YR5/6	B	NCM
94	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
95	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-21	Sa	10YR4/2	A	NCM
	3	21-32	Sa	10YR5/6	B	NCM
96	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-35,fill	Sa	10YR4/2	A	NCM
97	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-28	Sa	10YR4/2	A	NCM
	3	28-39	Sa	10YR5/6	B	NCM

98	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-23	Sa	10YR4/2	A	NCM
	3	23-33	Sa	10YR5/6	B	NCM
99	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
100	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-18	Sa	10YR4/2	A	NCM
	3	18-32	Sa	10YR5/6	B	NCM
101	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-16	Sa	10YR4/2	A	NCM
	3	16-27	Sa	10YR5/6	B	NCM
102	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-11	Sa	10YR4/2	A	NCM
	3	11-28	Sa	10YR5/6	B	NCM
103	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-21	Sa	10YR4/2	A	NCM
	3	21-31	Sa	10YR5/6	B	NCM
104	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-32	Sa	10YR5/6	B	NCM
105	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-17	Sa	10YR4/2	A	NCM
	3	17-29	Sa	10YR5/6	B	NCM
106	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-19	Sa	10YR4/2	A	NCM
	3	19-29	Sa	10YR5/6	B	NCM
107	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-13	Sa	10YR4/2	A	NCM
	3	13-24	Sa	10YR5/6	B	NCM
108	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-16	Sa	10YR4/2	A	NCM
	3	16-32	Sa	10YR5/6	B	NCM
109	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-15	Sa	10YR4/2	A	NCM
	3	15-26	Sa	10YR5/6	B	NCM
110	1	0-16	Rootmat,leaves,humus		A/O	NCM
	2	16-33	Sa	10YR4/2	A	NCM
	3	33-47	Sa	10YR5/6	B	NCM
111	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM

112	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-26	Sa	10YR4/2	A	NCM
	3	26-39	Sa	10YR5/6	B	NCM
113	1	0-16	Rootmat,leaves,humus		A/O	NCM
	2	16-32	Sa	10YR4/2	A	NCM
	3	32-44	Sa	10YR5/6	B	NCM
114	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
115	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-24	Sa	10YR4/2	A	NCM
	3	24-35	Sa	10YR5/6	B	NCM
116	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
117	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-13	Sa	10YR4/2	A	NCM
	3	13-25	Sa	10YR5/6	B	NCM
118	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-18	Sa	10YR4/2	A	NCM
	3	18-28	Sa	10YR5/6	B	NCM
119	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
120	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-21	Sa	10YR4/2	A	NCM
	3	21-32	Sa	10YR5/6	B	NCM
121	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
122	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-31	Sa	10YR4/2	A	NCM
	3	31-46	Sa	10YR5/6	B	NCM
123	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-19	Sa	10YR4/2	A	NCM
	3	19-29	Sa	10YR5/6	B	NCM
124	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-27	Sa	10YR4/2	A	NCM
	3	27-38	Sa	10YR5/6	B	NCM
125	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM

126	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-36	Sa	10YR4/2	A	NCM
	3	36-47	Sa	10YR5/6	B	NCM
127	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-31	Sa	10YR4/2	A	NCM
	3	31-44	Sa	10YR5/6	B	NCM
128	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
129	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
130	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-27	Sa	10YR4/2	A	NCM
	3	27-40	Sa	10YR5/6	B	NCM
131	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-28	Sa	10YR4/2	A	NCM
	3	28-38	Sa	10YR5/6	B	NCM
132	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-22	Sa	10YR4/2	A	NCM
	3	22-42	Sa	10YR5/6	B	NCM
133	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-23	Sa	10YR4/2	A	NCM
	3	23-33	Sa	10YR5/6	B	NCM
134	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-16	Sa	10YR4/2	A	NCM
	3	16-28	Sa	10YR5/6	B	NCM
135	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-15	Sa	10YR4/2	A	NCM
	3	15-40	Sa	10YR5/6	B	NCM
136	1	0-13	Rootmat,leaves,humus		A/O	NCM
	2	13-30	Sa	10YR4/2	A	NCM
	3	30-41	Sa	10YR5/6	B	NCM
137	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-27	Sa	10YR4/2	A	NCM
	3	27-37	Sa	10YR5/6	B	NCM
138	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-16	Sa	10YR4/2	A	NCM
	3	16-27	Sa	10YR5/6	B	NCM
139	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-27	Sa	10YR4/2	A	NCM
	3	27-40	Sa	10YR5/6	B	NCM

140	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
141	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-15	Sa	10YR4/2	A	NCM
	3	15-28	Sa	10YR5/6	B	NCM
142	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-28	Sa	10YR4/2	A	NCM
	3	28-39	Sa	10YR5/6	B	NCM
143	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
144	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-23	Sa	10YR4/2	A	NCM
	3	23-34	Sa	10YR5/6	B	NCM
145	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM
146	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-25	Sa	10YR4/2	A	NCM
	3	25-35	Sa	10YR5/6	B	NCM
147	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-33	Sa	10YR4/2	A	NCM
	3	33-44	Sa	10YR5/6	B	NCM
148	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-22	Sa	10YR4/2	A	NCM
	3	22-35	Sa	10YR5/6	B	NCM
149	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-26	Sa	10YR4/2	A	NCM
	3	26-39	Sa	10YR5/6	B	NCM
150	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-29	Sa	10YR4/2	A	NCM
	3	29-40	Sa	10YR5/6	B	NCM
151	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-21	Sa	10YR4/2	A	NCM
	3	21-32	Sa	10YR5/6	B	NCM
152	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-23	Sa	10YR4/2	A	NCM
	3	23-33	Sa	10YR5/6	B	NCM

153	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-31	Sa	10YR4/2	A	NCM
	3	31-41	Sa	10YR5/6	B	NCM
154	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
155	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-30	Sa	10YR4/2	A	NCM
	3	30-41	Sa	10YR5/6	B	NCM
156	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
157	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
158	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-19	Sa	10YR4/2	A	NCM
	3	19-29	Sa	10YR5/6	B	NCM
159	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-15	Sa	10YR4/2	A	NCM
	3	15-28	Sa	10YR5/6	B	NCM
160	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-16	Sa	10YR4/2	A	NCM
	3	16-30	Sa	10YR5/6	B	NCM
161	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-17	Sa	10YR4/2	A	NCM
	3	17-29	Sa	10YR5/6	B	NCM
162	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-14	Sa	10YR4/2	A	NCM
	3	14-24	Sa	10YR5/6	B	NCM
163	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-29	Sa	10YR4/2	A	NCM
	3	29-49	Sa	10YR5/6	B	NCM
164	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-30	Sa	10YR4/2	A	NCM
	3	30-41	Sa	10YR5/6	B	NCM
165	1	0-13	Rootmat,leaves,humus		A/O	NCM
	2	13-33	Sa	10YR4/2	A	NCM
	3	33-43	Sa	10YR5/6	B	NCM
166	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-35	Sa	10YR4/2	A	NCM
	3	35-46	Sa	10YR5/6	B	NCM

167	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-33	Sa	10YR4/2	A	NCM
	3	33-47	Sa	10YR5/6	B	NCM
168	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
169	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-25	Sa	10YR4/2	A	NCM
	3	25-35	Sa	10YR5/6	B	NCM
170	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-28	Sa	10YR4/2	A	NCM
	3	28-38	Sa	10YR5/6	B	NCM
171	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-35	Sa	10YR4/2	A	NCM
	3	35-45	Sa	10YR5/6	B	NCM
172	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-15	Sa	10YR4/2	A	NCM
	3	15-28	Sa	10YR5/6	B	NCM
173	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
174	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-14	Sa	10YR4/2	A	NCM
	3	14-27	Sa	10YR5/6	B	NCM
175	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
176	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-16	Sa	10YR4/2	A	NCM
	3	16-26	Sa	10YR5/6	B	NCM
177	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-13	Sa	10YR4/2	A	NCM
	3	13-24	Sa	10YR5/6	B	NCM
178	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-15	Sa	10YR4/2	A	NCM
	3	15-26	Sa	10YR5/6	B	NCM
179	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
180	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-24	Sa	10YR4/2	A	NCM
	3	24-35	Sa	10YR5/6	B	NCM

181	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
182	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-21	Sa	10YR4/2	A	NCM
	3	21-32	Sa	10YR5/6	B	NCM
183	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-15	Sa	10YR4/2	A	NCM
	3	15-28	Sa	10YR5/6	B	NCM
184	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-17	Sa	10YR4/2	A	NCM
	3	17-32	Sa	10YR5/6	B	NCM
185	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-16	Sa	10YR4/2	A	NCM
	3	16-30	Sa	10YR5/6	B	NCM
186	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-19	Sa,gravel	10YR4/2	A	NCM
	3	19-30	Sa,cobbles	10YR5/6	B	NCM
187	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-21	Sa	10YR4/2	A	NCM
	3	21-32	Sa	10YR5/6	B	NCM
188	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
189	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
190	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-26	Sa	10YR4/2	A	NCM
	3	26-38	Sa	10YR5/6	B	NCM
191	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
192	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-21	Sa	10YR4/2	A	NCM
	3	21-31	Sa	10YR5/6	B	NCM
193	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-17	Sa	10YR4/2	A	NCM
	3	17-28	Sa	10YR5/6	B	NCM
194	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM

195	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
196	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
197	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-30	Sa	10YR4/2	A	NCM
	3	30-40	Sa	10YR5/6	B	NCM
198	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-22	Sa	10YR4/2	A	NCM
	3	22-34	Sa	10YR5/6	B	NCM
199	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-28	Sa	10YR4/2	A	NCM
	3	28-37	Sa	10YR5/6	B	NCM
200	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
201	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-22	Sa	10YR4/2	A	NCM
	3	22-33	Sa	10YR5/6	B	NCM
202	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-17	Sa	10YR4/2	A	NCM
	3	17-29	Sa	10YR5/6	B	NCM
203	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-20	Sa	10YR4/2	A	NCM
	3	20-32	Sa	10YR5/6	B	NCM
204	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-38,fill	Sa	10YR4/2	A	NCM
205	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-24	Sa	10YR4/2	A	NCM
	3	24-34	Sa	10YR5/6	B	NCM
206	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-19	Sa	10YR4/2	A	NCM
	3	19-29	Sa	10YR5/6	B	NCM
207	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-22	Sa	10YR4/2	A	NCM
	3	22-33	Sa	10YR5/6	B	NCM
208	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM

209	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-33	Sa	10YR4/2	A	NCM
	3	33-45	Sa	10YR5/6	B	NCM
210	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-27	Sa	10YR4/2	A	NCM
	3	27-38	Sa	10YR5/6	B	NCM
211	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-31	Sa	10YR4/2	A	NCM
	3	31-41	Sa	10YR5/6	B	NCM
212	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-23	Sa	10YR4/2	A	NCM
	3	23-33	Sa	10YR5/6	B	NCM
213	1	0-13	Rootmat,leaves,humus		A/O	NCM
	2	13-22	Sa	10YR4/2	A	NCM
	3	22-33	Sa	10YR5/6	B	NCM
214	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-17	Sa	10YR4/2	A	NCM
	3	17-29	Sa	10YR5/6	B	NCM
215	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
216	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-18	Sa	10YR4/2	A	NCM
	3	18-28	Sa	10YR5/6	B	NCM
217	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-22	Sa	10YR4/2	A	NCM
	3	22-32	Sa	10YR5/6	B	NCM
218	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-21	Sa	10YR4/2	A	NCM
	3	21-33	Sa	10YR5/6	B	NCM
219	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-26	Sa	10YR4/2	A	NCM
	3	26-36	Sa	10YR5/6	B	NCM
220	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-16	Sa	10YR4/2	A	NCM
	3	16-30	Sa	10YR5/6	B	NCM
221	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-10	Sa	10YR4/2	A	NCM
	3	10-20	Sa	10YR5/6	B	NCM
222	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-13	Sa	10YR4/2	A	NCM
	3	13-26	Sa	10YR5/6	B	NCM

223	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-12	Sa	10YR4/2	A	NCM
	3	12-23	Sa	10YR5/6	B	NCM
224	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-18	Sa	10YR4/2	A	NCM
	3	18-28	Sa	10YR5/6	B	NCM
225	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-14	Sa	10YR4/2	A	NCM
	3	14-26	Sa	10YR5/6	B	NCM
226	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-18	Sa	10YR4/2	A	NCM
	3	18-28	Sa	10YR5/6	B	NCM
227	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-14	Sa	10YR4/2	A	NCM
	3	14-28	Sa	10YR5/6	B	NCM
228	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-12	Sa	10YR4/2	A	NCM
	3	12-25	Sa	10YR5/6	B	NCM
229	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
230	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-26	Sa	10YR4/2	A	NCM
	3	26-39	Sa	10YR5/6	B	NCM
231	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-12	Sa	10YR4/2	A	NCM
	3	12-23	Sa	10YR5/6	B	NCM
232	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
233	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-22	Sa	10YR4/2	A	NCM
	3	22-33	Sa	10YR5/6	B	NCM
234	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-23	Sa	10YR4/2	A	NCM
	3	23-34	Sa	10YR5/6	B	NCM
235	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-23	Sa	10YR4/2	A	NCM
	3	23-35	Sa	10YR5/6	B	NCM
236	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-22	Sa	10YR4/2	A	NCM
	3	22-33	Sa	10YR5/6	B	NCM

237	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-23	Sa	10YR4/2	A	NCM
	3	23-34	Sa	10YR5/6	B	NCM
238	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-17	Sa	10YR4/2	A	NCM
	3	17-27	Sa	10YR5/6	B	NCM
239	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM
240	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-17	Sa	10YR4/2	A	NCM
	3	17-28	Sa	10YR5/6	B	NCM
241	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-22	Sa	10YR4/2	A	NCM
	3	22-34	Sa	10YR5/6	B	NCM
242	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
243	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
244	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-22	Sa	10YR4/2	A	NCM
	3	22-32	Sa	10YR5/6	B	NCM
245	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
246	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-27	Sa	10YR4/2	A	NCM
	3	27-37	Sa	10YR5/6	B	NCM
247	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
248	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-24	Sa	10YR4/2	A	NCM
	3	24-35	Sa	10YR5/6	B	NCM
249	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-19	Sa	10YR4/2	A	NCM
	3	19-29	Sa	10YR5/6	B	NCM
250	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-17	Sa	10YR4/2	A	NCM
	3	17-27	Sa	10YR5/6	B	NCM

251	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-22	Sa	10YR4/2	A	NCM
	3	22-32	Sa	10YR5/6	B	NCM
252	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-24	Sa	10YR4/2	A	NCM
	3	24-34	Sa	10YR5/6	B	NCM
253	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-35	Sa	10YR4/2	A	NCM
	3	35-46	Sa	10YR5/6	B	NCM
254	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
255	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-30	Sa	10YR4/2	A	NCM
	3	30-40	Sa	10YR5/6	B	NCM
256	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-17	Sa	10YR4/2	A	NCM
	3	17-27	Sa	10YR5/6	B	NCM
257	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
258	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
259	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-16	Sa	10YR4/2	A	NCM
	3	16-30	Sa	10YR5/6	B	NCM
260	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-16	Sa	10YR4/2	A	NCM
	3	16-26	Sa	10YR5/6	B	NCM
261	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-18	Sa	10YR4/2	A	NCM
	3	18-28	Sa	10YR5/6	B	NCM
262	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
263	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-16	Sa	10YR4/2	A	NCM
	3	16-28	Sa	10YR5/6	B	NCM
264	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-23	Sa	10YR4/2	A	NCM
	3	23-33	Sa	10YR5/6	B	NCM

265	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-22	Sa	10YR4/2	A	NCM
	3	22-40	Sa	10YR5/6	B	NCM
266	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-12	Sa	10YR4/2	A	NCM
	3	12-29	Sa	10YR5/6	B	NCM
267	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-16	Sa	10YR4/2	A	NCM
	3	16-28	Sa	10YR5/6	B	NCM
268	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-17	Sa	10YR4/2	A	NCM
	3	17-27	Sa	10YR5/6	B	NCM
269	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-16	Sa	10YR4/2	A	NCM
	3	16-28	Sa	10YR5/6	B	NCM
270	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
271	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-24	Sa	10YR4/2	A	NCM
	3	24-35	Sa	10YR5/6	B	NCM
272	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
273	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
274	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-17	Sa	10YR4/2	A	NCM
	3	17-27	Sa	10YR5/6	B	NCM
275	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-26	Sa	10YR4/2	A	NCM
	3	26-36	Sa	10YR5/6	B	NCM
276	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-16	Sa	10YR4/2	A	NCM
	3	16-28	Sa	10YR5/6	B	NCM
277	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-24	Sa	10YR4/2	A	NCM
	3	24-37	Sa	10YR5/6	B	NCM
278	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-17	Sa	10YR4/2	A	NCM
	3	17-28	Sa	10YR5/6	B	NCM

279	1	0-13	Rootmat,leaves,humus		A/O	NCM
	2	13-29	Sa	10YR4/2	A	NCM
	3	29-49	Sa	10YR5/6	B	NCM
280	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM
281	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-16	Sa	10YR4/2	A	NCM
	3	16-26	Sa	10YR5/6	B	NCM
282	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-17	Sa	10YR4/2	A	NCM
	3	17-27	Sa	10YR5/6	B	NCM
283	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
284	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-25	Sa	10YR4/2	A	NCM
	3	25-35	Sa	10YR5/6	B	NCM
285	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
286	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-18	Sa	10YR4/2	A	NCM
	3	18-28	Sa	10YR5/6	B	NCM
287	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
288	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-30	Sa	10YR4/2	A	NCM
	3	30-43	Sa	10YR5/6	B	NCM
289	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
290	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
291	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-15	Sa	10YR4/2	A	NCM
	3	33-44	Sa	10YR5/6	B	NCM
292	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-16	Sa	10YR4/2	A	NCM
	3	16-28	Sa	10YR5/6	B	NCM

293	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-13	Sa	10YR4/2	A	NCM
	3	13-30	Sa	10YR5/6	B	NCM
294	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-16	Sa	10YR4/2	A	NCM
	3	16-32	Sa	10YR5/6	B	NCM
295	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-17	Sa	10YR4/2	A	NCM
	3	17-32	Sa	10YR5/6	B	NCM
296	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-19	Sa	10YR4/2	A	NCM
	3	19-31	Sa	10YR5/6	B	NCM
297	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
298	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-33	Sa	10YR4/2	A	NCM
	3	33-43	Sa	10YR5/6	B	NCM
299	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-18	Sa	10YR4/2	A	NCM
	3	18-32	Sa	10YR5/6	B	NCM
300	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-28	Sa	10YR4/2	A	NCM
	3	28-39	Sa	10YR5/6	B	NCM
301	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
302	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM
303	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-23	Sa	10YR4/2	A	NCM
	3	23-34	Sa	10YR5/6	B	NCM
304	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-22	Sa	10YR4/2	A	NCM
	3	22-33	Sa	10YR5/6	B	NCM
305	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-24	Sa	10YR4/2	A	NCM
	3	24-34	Sa	10YR5/6	B	NCM
306	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-15	Sa	10YR4/2	A	NCM
	3	15-33	Sa	10YR5/6	B	NCM

307	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-30	Sa	10YR4/2	A	NCM
	3	30-40	Sa	10YR5/6	B	NCM
308	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-23	Sa	10YR4/2	A	NCM
	3	23-35	Sa	10YR5/6	B	NCM
309	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-27	Sa	10YR4/2	A	NCM
	3	27-39	Sa	10YR5/6	B	NCM
310	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-24	Sa	10YR4/2	A	NCM
	3	24-34	Sa	10YR5/6	B	NCM
311	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
312	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-23	Sa	10YR4/2	A	NCM
	3	23-33	Sa	10YR5/6	B	NCM
313	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
314	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-37	Sa	10YR4/2	A	NCM
	3	37-50	Sa	10YR5/6	B	NCM
315	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-32	Sa	10YR4/2	A	NCM
	3	32-43	Sa	10YR5/6	B	NCM
316	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
317	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-29	Sa	10YR4/2	A	NCM
	3	29-41	Sa	10YR5/6	B	NCM
318	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-19	Sa	10YR4/2	A	NCM
	3	19-34	Sa	10YR5/6	B	NCM
319	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
320	1	0-14	Rootmat,leaves,humus		A/O	NCM
	2	14-27	Sa	10YR4/2	A	NCM
	3	27-38	Sa	10YR5/6	B	NCM

321	1	0-2	Rootmat,leaves,humus		A/O	NCM
	2	2-12	Sa	10YR4/2	A	NCM
	3	12-26	Sa	10YR5/6	B	NCM
322	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-22	Sa	10YR4/2	A	NCM
	3	22-35	Sa	10YR5/6	B	NCM
323	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-22	Sa	10YR4/2	A	NCM
	3	22-34	Sa	10YR5/6	B	NCM
324	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-21	Sa	10YR4/2	A	NCM
	3	21-32	Sa	10YR5/6	B	NCM
325	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-23	Sa	10YR4/2	A	NCM
	3	23-34	Sa	10YR5/6	B	NCM
326	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-23	Sa	10YR4/2	A	NCM
	3	23-35	Sa	10YR5/6	B	NCM
327	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-15	Sa	10YR4/2	A	NCM
	3	15-30	Sa	10YR5/6	B	NCM
328	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-28	Sa	10YR4/2	A	NCM
	3	28-43	Sa	10YR5/6	B	NCM
329	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-14	Sa	10YR4/2	A	NCM
	3	14-24	Sa	10YR5/6	B	NCM
330	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-15	Sa	10YR4/2	A	NCM
	3	15-30	Sa	10YR5/6	B	NCM
331	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-28	Sa	10YR4/2	A	NCM
	3	28-40	Sa	10YR5/6	B	NCM
332	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-17	Sa	10YR4/2	A	NCM
	3	17-28	Sa	10YR5/6	B	NCM
333	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-17	Sa	10YR4/2	A	NCM
	3	17-27	Sa	10YR5/6	B	NCM
334	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM

335	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-16	Sa	10YR4/2	A	NCM
	3	16-28	Sa	10YR5/6	B	NCM
336	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-23	Sa	10YR4/2	A	NCM
	3	23-35	Sa	10YR5/6	B	NCM
337	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-15	Sa	10YR4/2	A	NCM
	3	15-30	Sa	10YR5/6	B	NCM
338	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-12	Sa	10YR4/2	A	NCM
	3	12-23	Sa	10YR5/6	B	NCM
339	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM
340	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-25	Sa	10YR4/2	A	NCM
	3	25-36	Sa	10YR5/6	B	NCM
341	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
342	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-21	Sa	10YR4/2	A	NCM
	3	21-32	Sa	10YR5/6	B	NCM
343	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-22	Sa	10YR4/2	A	NCM
	3	22-36	Sa	10YR5/6	B	NCM
344	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
345	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-29	Sa	10YR4/2	A	NCM
	3	29-39	Sa	10YR5/6	B	NCM
346	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-28	Sa	10YR4/2	A	NCM
	3	28-50	Sa	10YR5/6	B	NCM
347	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-23	Sa	10YR4/2	A	NCM
	3	23-35	Sa	10YR5/6	B	NCM
348	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM

349	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-25	Sa	10YR4/2	A	NCM
	3	25-40	Sa	10YR5/6	B	NCM
350	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-29	Sa	10YR4/2	A	NCM
	3	29-40	Sa	10YR5/6	B	NCM
351	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-12	Sa	10YR4/2	A	NCM
	3	12-25	Sa	10YR5/6	B	NCM
352	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-21	Sa	10YR4/2	A	NCM
	3	21-35	Sa	10YR5/6	B	NCM
353	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-18	Sa	10YR4/2	A	NCM
	3	18-30	Sa	10YR5/6	B	NCM
354	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-15	Sa	10YR4/2	A	NCM
	3	15-27	Sa	10YR5/6	B	NCM
355	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-24	Sa	10YR4/2	A	NCM
	3	24-34	Sa	10YR5/6	B	NCM
356	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
357	1	0-11	Rootmat,leaves,humus		A/O	NCM
	2	11-26	Sa	10YR4/2	A	NCM
	3	26-37	Sa	10YR5/6	B	NCM
358	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-14	Sa	10YR4/2	A	NCM
	3	14-24	Sa	10YR5/6	B	NCM
359	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-16	Sa	10YR4/2	A	NCM
	3	16-26	Sa	10YR5/6	B	NCM
360	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-13	Sa	10YR4/2	A	NCM
	3	13-23	Sa	10YR5/6	B	NCM
361	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-18	Sa	10YR4/2	A	NCM
	3	18-29	Sa	10YR5/6	B	NCM
362	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-13	Sa	10YR4/2	A	NCM
	3	13-23	Sa	10YR5/6	B	NCM

363	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-14	Sa	10YR4/2	A	NCM
	3	14-30	Sa	10YR5/6	B	NCM
364	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-16	Sa	10YR4/2	A	NCM
	3	16-29	Sa	10YR5/6	B	NCM
365	1	0-4	Rootmat,leaves,humus		A/O	NCM
	2	4-14	Sa	10YR4/2	A	NCM
	3	14-24	Sa	10YR5/6	B	NCM
366	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-15	Sa	10YR4/2	A	NCM
	3	15-26	Sa	10YR5/6	B	NCM
367	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-16	Sa	10YR4/2	A	NCM
	3	16-29	Sa	10YR5/6	B	NCM
368	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-17	Sa	10YR4/2	A	NCM
	3	17-30	Sa	10YR5/6	B	NCM
369	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-18	Sa	10YR4/2	A	NCM
	3	18-31	Sa	10YR5/6	B	NCM
370	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-17	Sa	10YR4/2	A	NCM
	3	17-27	Sa	10YR5/6	B	NCM
371	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM
372	1	0-8	Rootmat,leaves,humus		A/O	NCM
	2	8-31	Sa	10YR4/2	A	NCM
	3	31-41	Sa	10YR5/6	B	NCM
373	1	0-5	Rootmat,leaves,humus		A/O	NCM
	2	5-8	Sa	10YR4/2	A	NCM
	3	8-16	Sa	10YR5/6	B	NCM
374	1	0-10	Rootmat,leaves,humus		A/O	NCM
	2	10-22	Sa	10YR4/2	A	NCM
	3	22-33	Sa	10YR5/6	B	NCM
375	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-15	Sa	10YR4/2	A	NCM
	3	15-26	Sa	10YR5/6	B	NCM
376	1	0-12	Rootmat,leaves,humus		A/O	NCM
	2	12-20	Sa	10YR4/2	A	NCM
	3	20-30	Sa	10YR5/6	B	NCM

377	1	0-7	Rootmat,leaves,humus		A/O	NCM
	2	7-17	Sa	10YR4/2	A	NCM
	3	17-28	Sa	10YR5/6	B	NCM
378	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-19	Sa	10YR4/2	A	NCM
	3	19-30	Sa	10YR5/6	B	NCM
379	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-16	Sa	10YR4/2	A	NCM
	3	16-30	Sa	10YR5/6	B	NCM
380	1	0-3	Rootmat,leaves,humus		A/O	NCM
	2	3-17	Sa	10YR4/2	A	NCM
	3	17-29	Sa	10YR5/6	B	NCM
381	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-20	Sa	10YR4/2	A	NCM
	3	20-32	Sa	10YR5/6	B	NCM
382	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-27	Sa	10YR4/2	A	NCM
	3	27-42	Sa	10YR5/6	B	NCM
383	1	0-9	Rootmat,leaves,humus		A/O	NCM
	2	9-20	Sa	10YR4/2	A	NCM
	3	20-31	Sa	10YR5/6	B	NCM
384	1	0-6	Rootmat,leaves,humus		A/O	NCM
	2	6-19	Sa	10YR4/2	A	NCM
	3	19-33	Sa	10YR5/6	B	NCM

OFFICE OF PARKS · RECREATION · HISTORIC PRESERVATION
NEW YORK STATE
Bernadette Castro
Commissioner

New York State Office of Parks, Recreation and Historic Preservation
Historic Preservation Field Services Bureau
Peebles Island, PO Box 189, Waterford, New York 12188-0189 518-237-8643

June 19, 2002

Shana M. Lacey
Nelson Pope & Voorhis, LLC
572 West Whitman Road
Melville, New York 11747-2188

Dear Ms. Lacey:

Re: SEQRA
Riverhead Marquee Plaza/CR 58/Old Country Rd
Riverhead, Suffolk County
02PR01068

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Parks, Recreation and Historic Preservation Law, Section 14.09.

Based upon this review, it is the OPRHP's opinion that your project will have No Impact upon cultural resources in or eligible for inclusion in the State and National Registers of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Ruth L. Pierpont

Ruth L. Pierpont
Director

RLP:cmp

TRACKER
Archaeology Services, Inc.

REPORTS OF INVESTIGATIONS

Phase I Archaeological Investigation
for the proposed Marquee Plaza
Riverhead, Suffolk County, New York

May 2002

Prepared for:

Nelson, Pope & Voorhis, LLC
Melville, New York

Prepared by:

Alfred G. Cammisa

Report #: 179

TRACKER ARCHAEOLOGY SERVICES, INC.
62 Pickerel Road
Monroe, NY 10950

25 Ava Court
North Babylon, NY 11703

NELSON, POPE & VOORHIS, LLC
ENVIRONMENTAL • PLANNING • CONSULTING
CHARLES J. VOORHIS, CEP, AICP • ARTHUR J. KOERBER, P.E. • VINCENT G. DONNELLY, P.E.
VICTOR BERTI, P.E. • JOSEPH P. EPIFANIA, P.E. • ROBERT G. NELSON, JR., P.E.
PAUL M. RACZ, P.L.S.

May 21, 2002

Ms. Ruth L. Pierpont, Director
NYS Office of Parks, Recreation & Historic Preservation
Peebles Island; Field Service Bureau
Post Office Box 189
Waterford, 12188-0189
Phone: (518) 237-8643
Fax: (518) 233-9049

Re: Phase I Cultural Resource Assessment
Riverhead Marquee Plaza, Riverhead
Town of Riverhead, Suffolk County
NP&V No. 00447

Dear Ms. Pierpont:

Attached, please find two (2) copies of the completed Phase I Archaeological Investigation for the above referenced site. This matter is being forwarded directly to your office for review, as there is a pending special permit application with the Town of Riverhead.

Please note that the report involved a detailed Phase I documentary study which concluded the following:

"No further archaeological work is recommended"

Please review this report at your earliest convenience, and forward a letter indicating your concurrence with the conclusions and recommendations of the professional archaeologist as noted in the report.

Thank you for your assistance, and please feel free to call should you have any questions.

Very truly yours,

NELSON, POPE & VOORHIS, LLC

Shana M. Lacey

cc: Stuart Stein, applicant w/report

572 WALT WHITMAN ROAD, MELVILLE, NY 11747-2188
(631) 427-5665 • FAX (631) 427-5620 • www.nelsonpope.com

TRACKER
Archaeology Services, Inc.

REPORTS OF INVESTIGATIONS

Phase I Archaeological Investigation
for the proposed Marquee Plaza
Riverhead, Suffolk County, New York

May 2002

Prepared for:

Nelson, Pope & Voorhis, LLC
Melville, New York

Prepared by:

Alfred G. Cammisa

Report #: 179

TRACKER ARCHAEOLOGY SERVICES, INC.

62 Pickerel Road
Monroe, NY 10950

25 Ava Court
North Babylon, NY 11703

ABSTRACT

During April, 2002, TRACKER-Archaeology Services, Inc. conducted a Phase I archaeological investigation for the proposed Marquee Plaza in Riverhead, New York. Documentary evidence had revealed that the property was situated in a location that indicated a moderate potential for the recovery of prehistoric sites and a low potential for historic sites.

The project area is approximately 15 acres in size inclusive with previously developed areas. The field survey consisted of the excavation of 175 shovel test pits across the project area. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered. No further archaeological work is recommended.

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INTRODUCTION

Between April 6 and 26, 2000, TRACKER-Archaeology Services, Inc. conducted a Phase IA documentary study and a Phase IB archaeological survey for the proposed Marquee Plaza in Riverhead, Suffolk County, New York.

The purpose of the 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 pertinent archival information, maps, and documents.

The prehistoric and historic site file search was conducted at the New York State Historic Preservation Office in Waterford, New York by the firm of Edward V. Curtin, consulting archaeologist. Various historic or archaeological web sites were visited to review any pertinent site information. Research institutions utilized included: the New York State Archives at Stony Brook, North Babylon Public Library and the library at TRACKER.

The purpose of the survey was to recover physical evidence for the presence or absence of archaeological sites on the property. This was accomplished through subsurface testing and ground surface reconnaissance.

The study area is bounded on the south by Old Country Road (C.R. 58) and a commercial property, on the west and east by commercial properties, and on the north by vacant private land and commercial property. The size of the project area is approximately 15 acres in size inclusive with previously developed areas.

The study was completed by TRACKER-Archaeology Services, Inc. of North Babylon, New York. Prehistoric and historic research was conducted by Alfred Cammisa, M.A. Phase IB field work was completed by Robby Menke, B.A., Alexander Padilla, B.A. and Alfred Cammisa. Photographs by Alfred Cammisa. Report preparation was by Alfred Cammisa. Editing was by Felicia Cammisa, B.A. Text on Word Perfect 8. Topographic assistance with Terrain Navigator 5.

The study was completed for Nelson, Pope & Voorhis, LLC of Melville, New York.

ENVIRONMENT

Geology
The project area is located in the southeast portion of New York State in the eastern part of Suffolk County. This portion of New York lies in the Atlantic Coastal Plains Physiographic Province. The coastal plain slopes gently eastward and is actually a strip of recently emerged sea bottom. The soils in this region consist largely of sand, clay and marl (a mixture of clay, finely fragmented shell and calcite). This region of Suffolk County appears to lie on a glacial outwash plain between the two moraines of Long Island (Schuberth 1968: cover map, 9, 184-187; Soren and Jensen 1974; Van Diver 1985:70; Sirkin 1995:102).

Soils and Topography
Soils on the property consist of Carver and Plymouth sands 0 to 3 percent slopes and 3 to 15 percent slopes (Warner, et al. 1975:map 44, pg. 67).

The Carver series consists of deep, excessively drained, coarse textured soils. Native vegetation is white oak, black oak, scrub oak, and pitch pine. The 0 to 3 percent slopes are found mainly on outwash plains. The 3 to 15 percent slopes are found on rolling moraines and the side slopes of drainage channels on outwash plains. Areas on the study area appear to be developed in two spots, although no cut and fill soils are designated (Warner et al. 1975: 66-67).

Elevations on the study area ranged from approximately 50 feet to 40 feet above mean sea level.

Hydrology
A freshwater pond is situated approximately 600 feet east of the project property. The Peconic River is approximately 1800 feet south of the property. An intermittent drainage was situated approximately 300 feet west of the study area. It appears it has since been filled in.

Vegetation
The predominant forest community inhabiting the Coastal Plain in this vicinity (Cape Cod to the Carolinas) was the Northern Pine-Oak Forest. These forests are maintained largely by the effects of frequent forest fires. Were it not for these fires which the pine species have adapted to, these forests would slowly change to Mesic, dominated by oak, hickory and red maple. Northern Pine-Oak forests occur on sandy or otherwise poor soils that are overly dry. They generally have lower species diversity than bottomland forests (Kricher 1988: 16-17, 65-66). The region is due to the excessive drainage of overly sandy soils on the Coastal Plain.

Prior to the intensive utilization of the area by Euro-American populations, the primary vegetation cover in, and around, the project area probably consisted of pitch pine, virginia pine, bear oak, blackjack oak, chinkapin oak, scarlet oak, post oak, black oak, and eastern red cedar. The understory was most likely of bearberry, huckleberry, inkberry, broom crowberry, lowbush blueberry, sheep laurel, and wild raisin (Kricher 1988: 65; Little 1984: 298, 397).

At the time of the Phase IB field work the project area consisted of a pine and oak forest with the intrusion of an old Hazeltine factory and associated asphalt parking lots, roads, and a sump/recharge basin. The remains of a middle to late twentieth century building and another associated asphalt parking lot were also situated on the property along Old Country Road.

PREHISTORIC POTENTIAL

New York can be divided up into three broad cultural groupings or time zones, briefly described as:

Paleoindian Period, circa 10000 to 8000 B.C. These people lived in small, widely scattered bands, hunting large grazing mammals such as mammoth and barrens ground caribou in a park-tundra habitat, large browsing mammals such as mastodon, caribou, woodland musk ox, moose elk, etc. in a boreal habitat, and any small game or plant food that could be gathered. They had a small inventory of chipped stone tools, with the fluted spear or javelin point as the principal item. They generally camped along large waterways.

Archaic Period, circa 8000 to 1000 B.C. These people lived by hunting, fishing and gathering wild foods and shellfish in a habitat of mixed coniferous-deciduous forest. These people lived in both small inland camps near small streams or marshes and in large recurrently occupied fishing camps near large bodies of water. They lived in a more species rich environment and exploited it with a larger and more varied tool industry, including the atalatal, or spear thrower.

Woodland Period, circa 1000 B.C. to 1600 A.D. These people also lived by hunting, fishing and wild food and shellfish gathering. In addition, they developed a system of horticulture based on corn, beans, and squash as the primary cultigens. They lived in both small camps, either temporary or recurrent, and much larger villages which were sometimes palisaded for protection. They made and used pottery, copper tools, smoking pipes, the bow and arrow, and in general, had a larger and more varied tool industry than the preceding cultures.

A prehistoric site file search was conducted at the New York State Historic Preservation Office (NYSHPO). The search included a 2 mile radius around the study area. The following sites were recorded:

NYSM Sites	NYSHPO Sites	Site Description
7821	A10306.000684	Merrick Pond, Merrits Pond: Surface area where blank and worked flakes were recovered.
5486		no further information.

An archaeological survey was conducted directly across the road from the study area and no prehistoric sites were recovered

(Cammisa 2000).

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

-The study area is situated approximately 600 feet from a freshwater pond, 300 feet from an old intermittent drainage, and 1800 feet north of the Peconic River.

-The study area is situated on level terrain with well drained soils.

-Two prehistoric sites were reported in the vicinity of the study area, however they were found along large bodies of water such as the Peconic River and Merrits Pond. A prehistoric archaeological survey conducted across the road and utilizing 25 to 50 foot STP intervals encountered no prehistoric sites.

In our opinion, the study area has a moderate potential for the recovery of prehistoric sites. The type of site encountered would likely be a small procurement site from the Woodland or Archaic prehistoric periods.

HISTORIC POTENTIAL

Seventeenth Century

At the time of European contact and settlement, the study area was likely occupied by the Aquebogue people. The Aquebogue were probably a branch or village of the larger Yannocock tribe (Stone nd: map; Stone-Levine 1980: 161).

Riverhead had numerous reports of wigwams, 2 of which were situated along the Peconic River in the vicinity of the study area (Stone nd:map).

In 1649 land was "purchased" from the Indians (Bayles 1982:1). It might be noted that the Native Americans had no practice of loaning or renting use of their traditionally occupied territories for periods of time. The distinction between selling and renting or loaning use of the land was probably blurred to the advantage of the newcomers as their population outstripped that of the original inhabitants. The migratory settlement patterns of the Indians was also advantageous to the settlers. The colonists were able to appropriate lands, usually the most fertile, during a season or year the natives were camped elsewhere (Cammisa 1984:75).

The first settlement in the Town was established in 1690. A grist mill was built about 5 years later. The settlers described the soils in Riverhead as being largely unfertile. However, there was a bit of a geographic difference. The soils along the southern part of Town, which includes the study area, are commonly reported as light and sandy. Soils along the northern part of the Town were loamier and more fertile proportionately (Thompson 1918 273-275; Bayles 1982:1; Bayles 1962:282).

Eighteenth Century

Population growth was slow during this century with the addition of only 4 or 5 dwellings. Several mills were established along the Peconic River and included a grist mill, a fulling mill, and a saw mill and later a woolen factory and a planning and moulding mill. These were located at Upper Mills about a mile from the village and within the general vicinity of the study area (Bayles 1982: 11; Thompson 1918:275).

Suffolk County courts were moved to Riverhead Town in 1729 (Bayles 1962: 289).

Cordwood as fuel was an early thriving industry in the Town. A pine-oak forest, particularly on the sandy soils along the southern part of the Town, provided the natural resource (Thompson 1918: 273-274).

Native American wigwams were still being used and reported during

this time. The wigwams were likely reported during the 1740's by Reverend Horton. They were probably domed shaped, with sapling poles set in a circle about 10 to 20 feet in diameter. The poles were bent to form an arch and reinforced with horizontal poles along the outside of the frame. It was then thatched with grass and an animal skin acted as the door. Usually a bench ran around the inside of the wigwam and served as bed, chair, table, and closest. A hearth was placed in the middle of the floor and smoke escaped through a daub vent in the roof (Stone 1993:6; Stone nd: map).

By the end of the Revolution, agriculture in Riverhead was at a low point. People went to Coram or Middle Island to buy grain (Bailey 1949: 200).

In 1792, Riverhead Town separated from Southold Town. Before, Riverhead had been part of Southold (Thompson 1918: 273).

Upstream from Upper Mills, a forge was constructed for iron bar manufacturing in 1797 (Bayles 1982: 11.

Nineteenth Century

By 1800 Riverhead farmers began to use "bunkers" as fertilizer to assist in soil fertility. Judge Woodhull first used wood ashes as fertilizer in 1825 which was later copied by other farmers. As a result of the use of fertilizers during this century, farm land in Riverhead proved more productive. Although there were less farms in the southern part of the Town, a prosperous community of farmers developed along the northern portion of Riverhead. Cranberries were raised in marshes which abounded in the western part of Town while small fruits, garden vegetables and root crops were more commonly grown in the eastern part of the town (Bayles 1982:1; Bailey 1949:200).

Before 1825 mail was delivered to Riverhead by horseback. By about 1825, mail was brought in by a 1 horse wagon and later on by stagecoach. The route was along the Middle Country Road from Jamaica. The Long Island Rail Road was operating by 1844 and at this time mail was transported via this means of transport (Bailey 1949:198).

As late as 1833 there appeared to be no reported white (Euro-American) dwellings in the South Jamesport area. Instead, a small remnant of Miamogue villagers (Indians) still lived there (Bailey 1949: 190).

The 1836 Colton map shows Middle Country Road (turns into Old Country Road) and the Peconic River west of Riverhead village. No structures are apparent on, or adjacent to, the study area. Early mill sites are shown along the Peconic River (Figure 3).

The 1858 Chace map shows the Peconic River and the Long Island Railroad. Old Country Road and Middle Road are faintly depicted on

this map. The nearest structure is the J. Wells structure, but this is on Middle Road. No structures are on, or adjacent to, the study area (Figure 4).

Hallets paper mill started circa 1871. Paper at this time was made from oats, wheat, and rye straw (Bayles 1962: 298).

The 1896 Hyde map shows the study area along Old Country Road with no structures on, or adjacent, to it. Middle Road is seen to the north with the J. Wells structure (from previous map) some distance from the project parcel. No structures are depicted on Old Country Road at all (Figure 5).

Twentieth Century

The 1903 U.S.G.S. Riverhead quadrangle map shows no structures on, or adjacent to, the project area. A dirt road appears along the eastern edge of the property and this is still in place. The other dirt road along the western border was not noticed during the site visit (Figure 6).

The 1906 Hyde map shows no structures on Old Country Road, or any close to the project parcel (Figure 7).

Riverhead village's development was gradual. By the early part of this century the village had approximately 70 dwellings (Thompson 1918: 275).

An historic site file search was conducted at the New York State Historic Preservation Office (NYSHPO). The search included a 2 mile radius around the study area. The following sites were recorded:

NYSM Sites	NYSHPO Sites	Site Description
	A10302.000551	Solomon Townsend Forge/Jeremiah Petty Forge. In 1797 Jeremiah Petty established a forge which was later acquired by Solomon Townsend (see 10306.000418).
	A10303.000120 DO5	Upper Mills, Riverhead. Formerly 3 mills, 1 remains, in use as substation as of 1973. Much material in Peconic River.

	A10306.000418	Old Forge and Swezey Ice House. Solomon Townsend, iron manufacture founded a forge around the time of the Revolution and produced anchors and chains. His father produced the chain that was stretched across the Hudson to stop the British.

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

-Euro-American industrial sites are listed in the vicinity of the project area, however, they are situated along the Peconic River, 1800 feet to the south.

-No Contact Period Native American sites are situated in the nearby area.

-No historic structures were noted on, or adjacent to, the project area according to the historic maps reviewed. Old Country Road did not witness much settlement during the time reviewed on historic maps.

In our opinion, the study area has a low potential for the recovery of historic sites.

FIELD METHODS

Walkover-Reconnaissance

Any exposed ground surfaces were subjected to a close quarters walkover. Covered ground terrain was reconnoitered at about 15 meters or less intervals for any above ground features such as berms, depressions, or rock configurations which might be evidence for a prehistoric or historic site. Photographs were taken of the study area, including topographic/vegetation, areas of impact, work in progress, etc.

Shovel Testing

Shovel testing was conducted across the project area at about 15 meter intervals on average.

Each shovel test pit (STP) measured about 30 to 40 cm. in diameter and was dug into the underlying subsoil (B horizon) 10 to 20 cm. or more when possible. All soils were screened through 1/4 inch wire mesh and observed for artifacts. All STP's were flagged in the field with surveyor ribbon and the STP number on it. All STP'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 were transcribed on pre-printed field forms and in a notebook.

FIELD RESULTS

Field testing of the project property consisted of the excavation of 175 STP's across the property. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered.

Stratigraphy
Soils across the project area were generally uniform and consisted of:

A/O horizon - approximately 5 to 8 cm. thick of root mat, humus, and leaf litter.

A horizon - approximately 2 to 16 cm. thick of 10YR 4/2 dark gray brown sand.

B horizon - approximately 10 to 20 cm. dug into of 10YR5/6 yellow brown sand.

Features on the property are associated with a middle to late twentieth century development of the land. Features include: the Hazeltine factory, asphalt roads and parking lots, dirt trails leading to a utility shed and electric boxes, a fenced-in recharge basin, water valves, and antenna. This previously developed area was hidden from view of Old Country Road.

In addition, the remains of a middle to late twentieth century metal building and associated asphalt road and parking lot were situated along Old Country Road.

CONCLUSIONS AND RECOMMENDATIONS

The Phase IA archaeological documentary study determined that the property had a moderate potential for the recovery of prehistoric cultural remains and low potential for historic remains.

However, the Phase IB archaeological survey recovered no historic artifacts or features. No prehistoric artifacts or features were recovered. No further archaeological work is therefore recommended.

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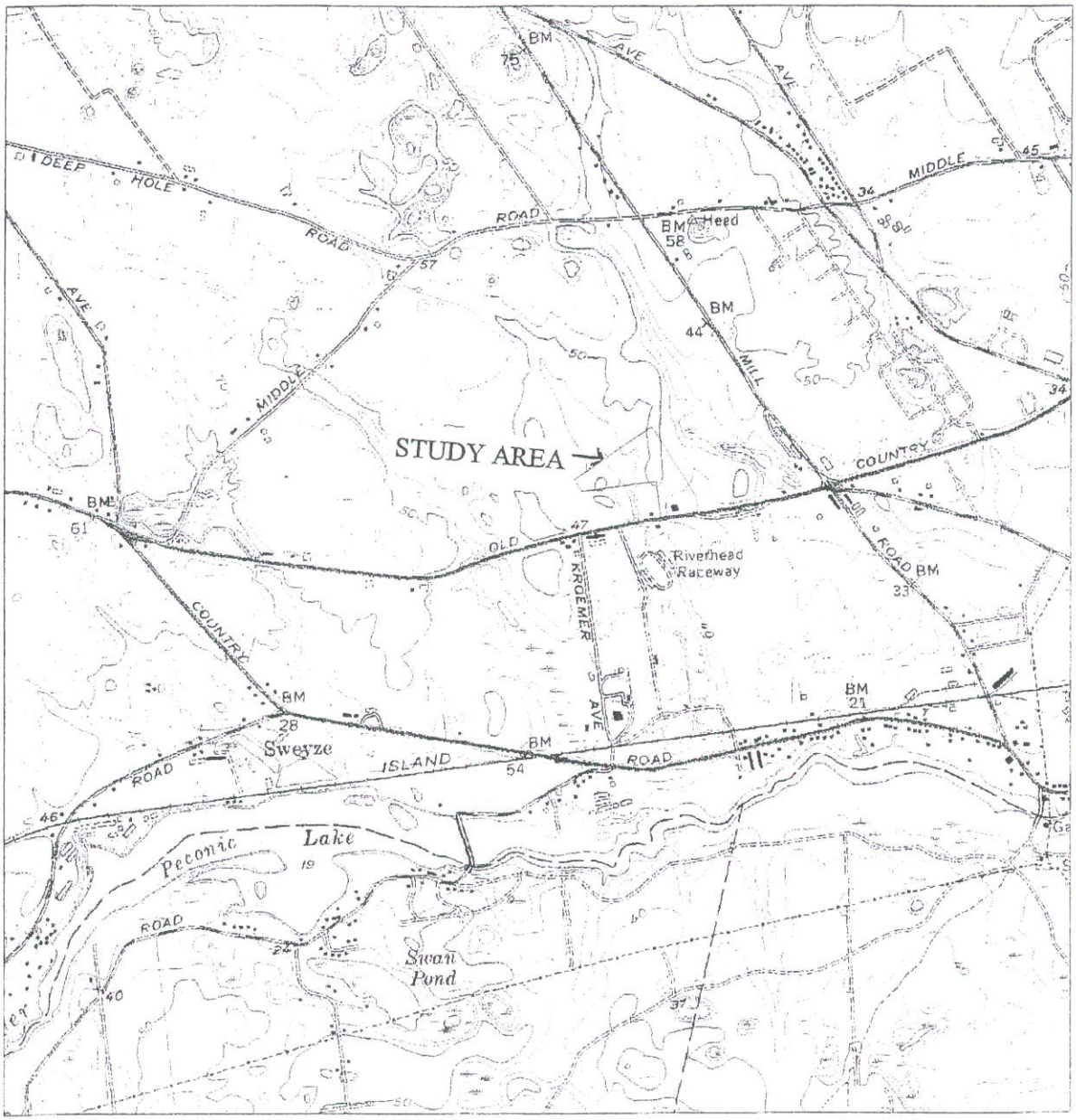
United States Geological Survey
1956 *Riverhead, New York* quadrangle map, 7.5 minute series.

1903 *Riverhead, New York* quadrangle map, 15 minute series.

APPENDIX 1

FIGURE 1

LOCATION MAP

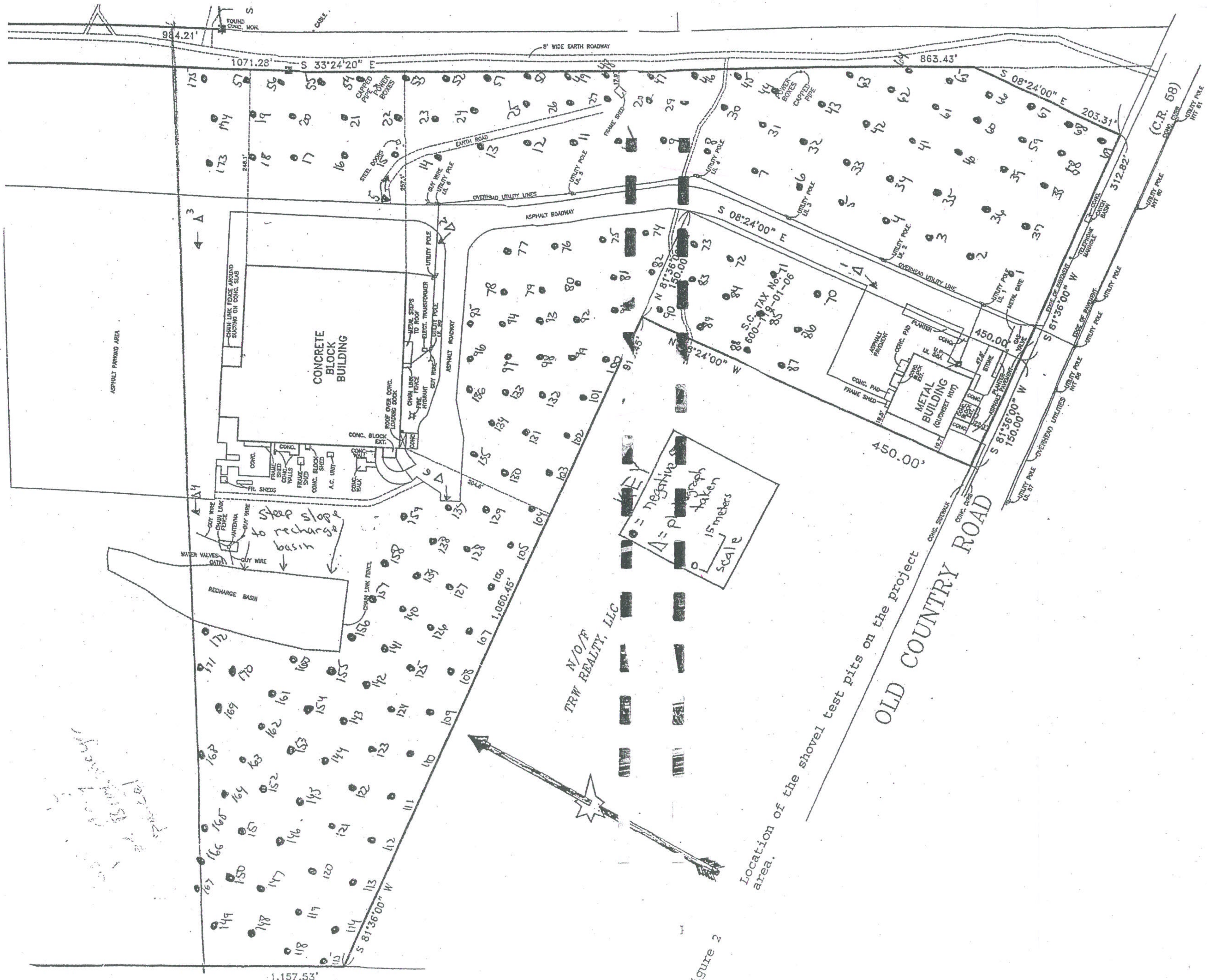


Source: USGS Topographic Map, Riverhead 7.5 Minute Quadrangle
Scale: 1" = 2,000'

NORTH

NP&V

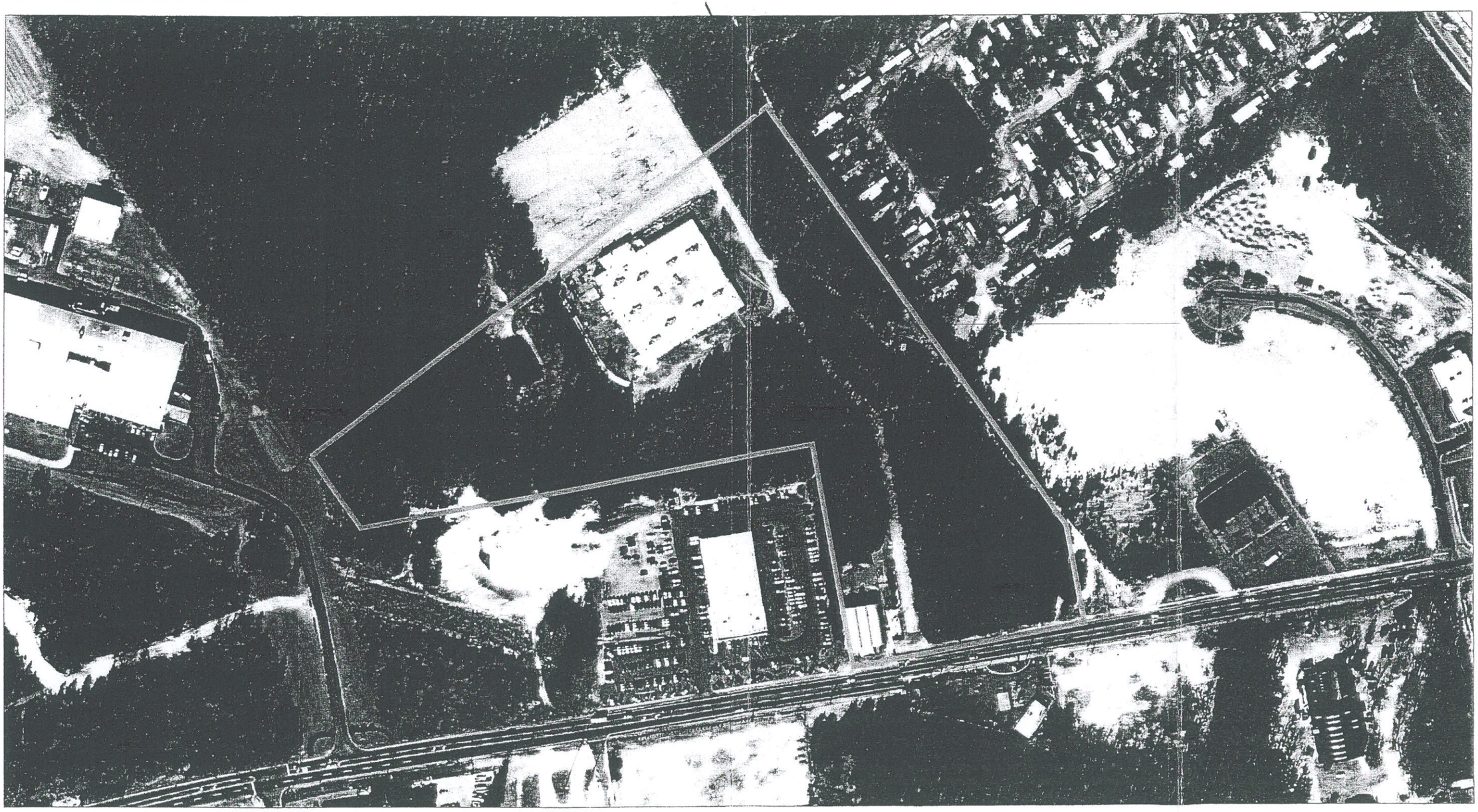
Figure 1 Location of the study area shown on a portion of the U.S.G.S. 7.5 minute series, Riverhead, New York quadrangle map.


OLD COUNTRY ROAD
(C.R. 58)
CONCRETE BLOCK BUILDING
METAL BUILDING (QUONSET HUT)
RECHARGE BASIN
ASPHALT PARKING AREA
ASPHALT ROADWAY
EARTH ROAD
8' WIDE EARTH ROADWAY
OVERHEAD UTILITY LINES
N/O/F TRW REALTY, LLC
S.C. TAX NO. 600-119-01-06
Steep slope to recharge basin
KEY
= negative
Δ = photograph taken
15 meters scale
1071.28'
S 33°24'20" E
863.43'
S 08°24'00" E
203.31'
312.82'
450.00'
S 81°36'00" W
150.00'
1,060.45'
1,157.53'

Location of the shovel test pits on the project area.

Figure 2

FIGURE 1
AERIAL PHOTOGRAPH



Source: Spring 1999 Aerial Photograph, GeoMaps
Scale: 1" = 200'

NORTH

NELSON POPE & VOORHIS, LLC
ENVIRONMENTAL • PLANNING • CONSULTING

Figure 8 Aerial photograph of project parcel.

Figure 3 Portion of the 1836 Colton map.

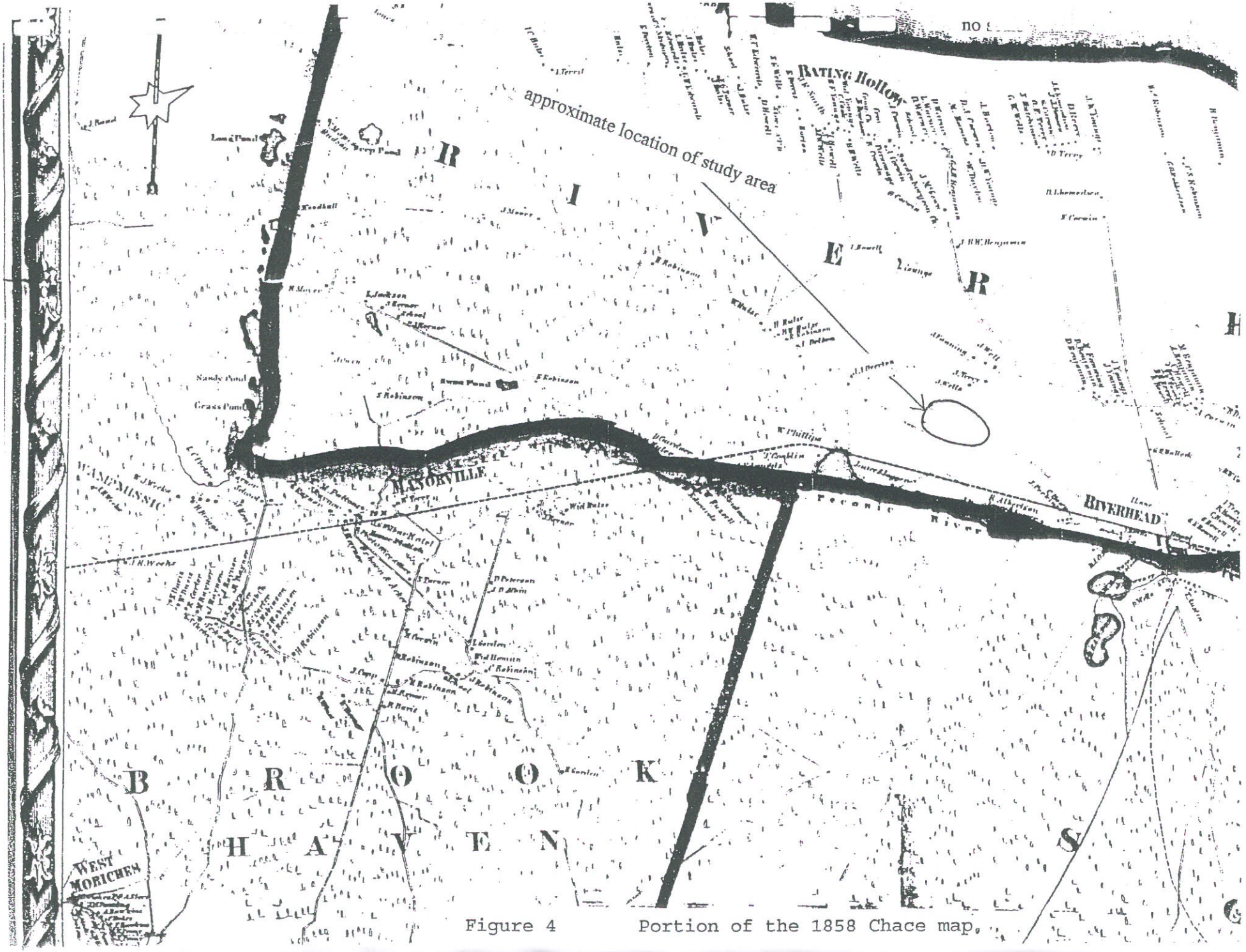
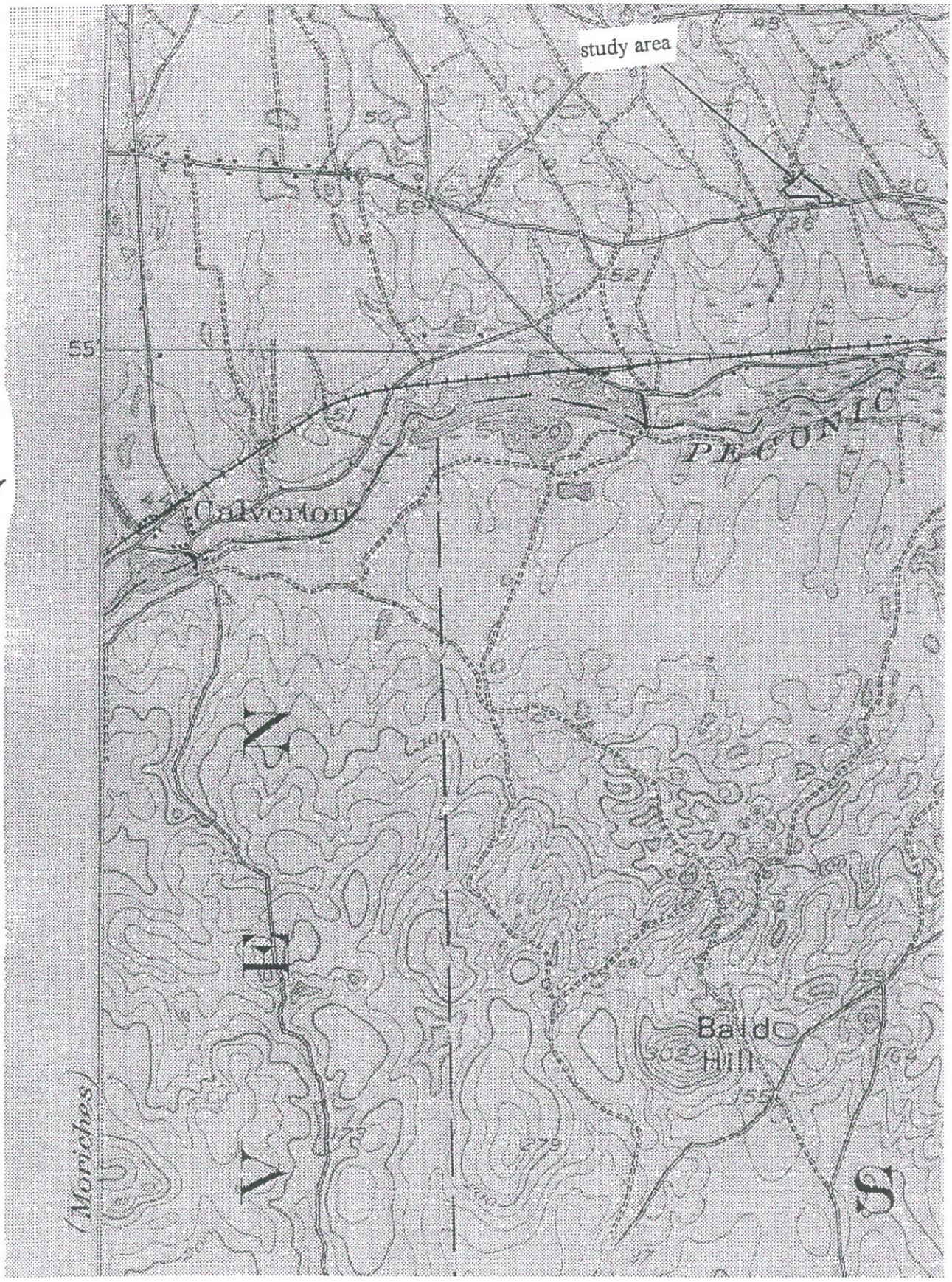


Figure 4 Portion of the 1858 Chace map.

Figure 6 Portion of the 1903 U.S.G.S. Riverhead, New York, 15 minute series, quadrangle map.



1 cm. = 250 meters

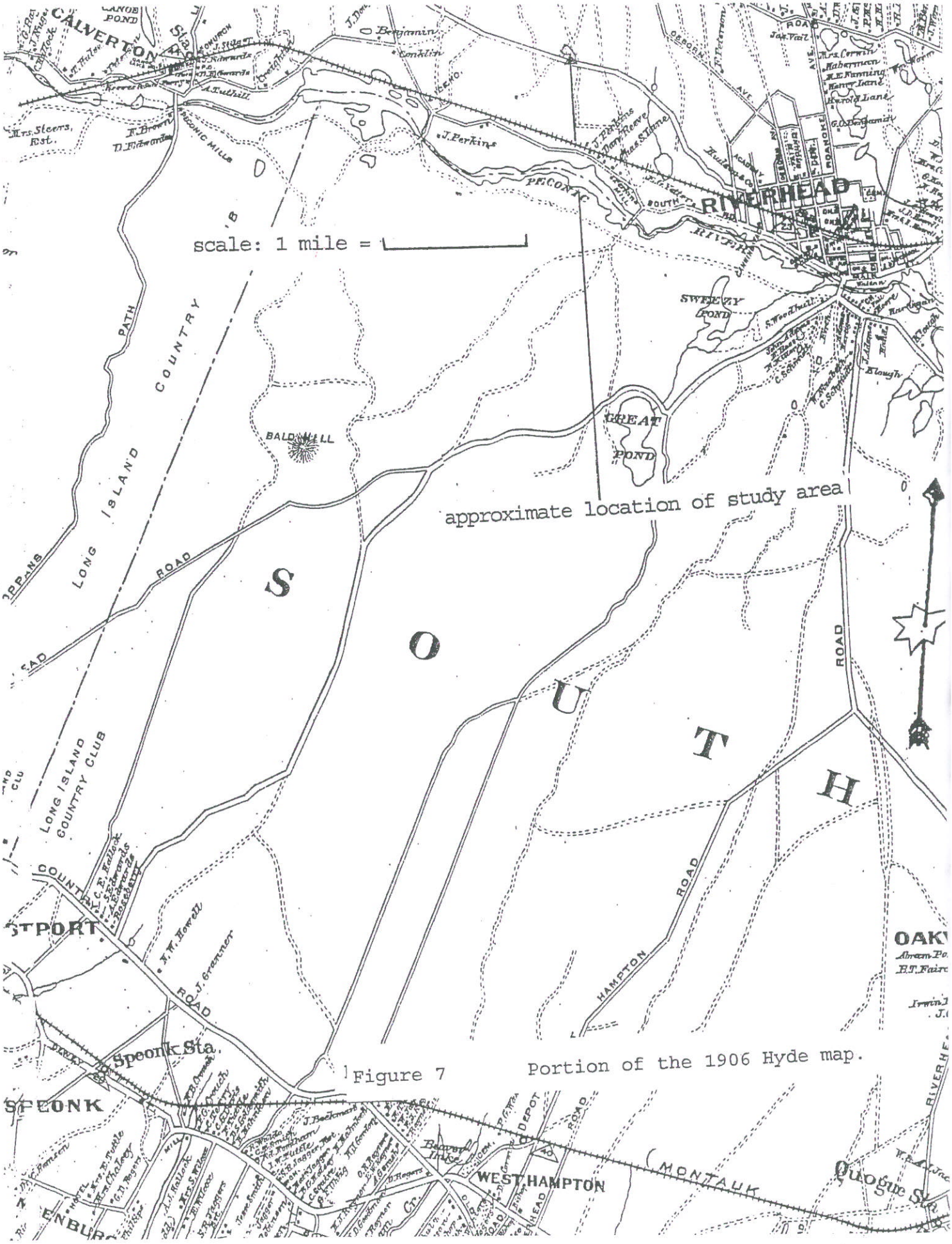


Figure 7 Portion of the 1906 Hyde map.

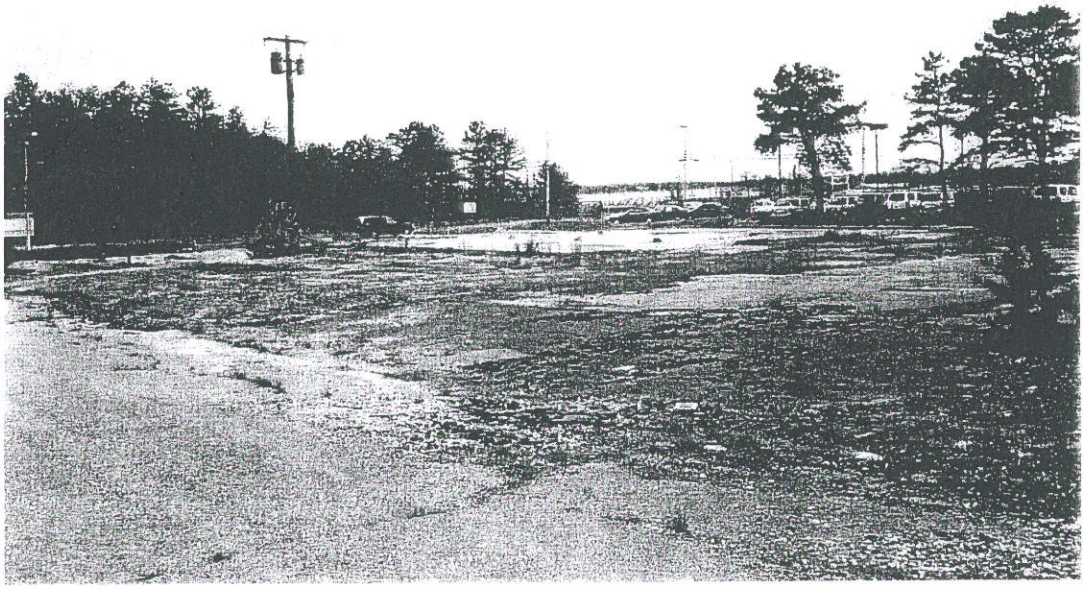


Plate 1 Looking southwest along asphalt road toward Old Country Road at remains of middle to late twentieth century metal building and parking lot depicted on Figure 2.

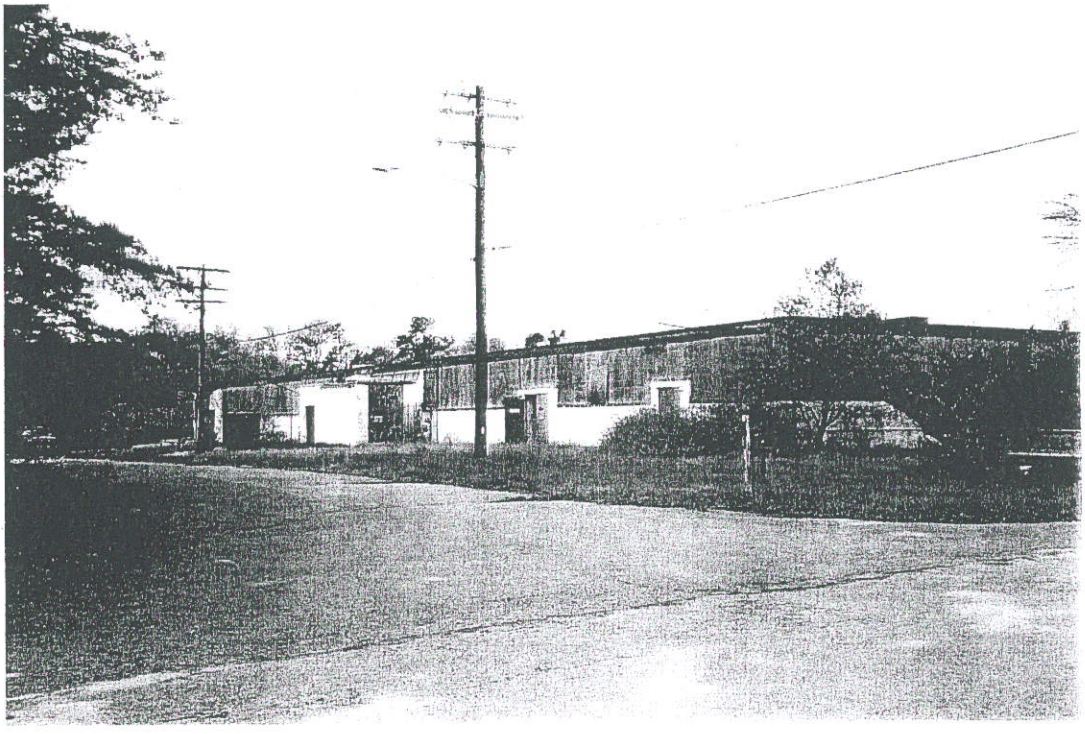


Plate 2 Looking northwest at abandoned Hazeltine factory and roads.

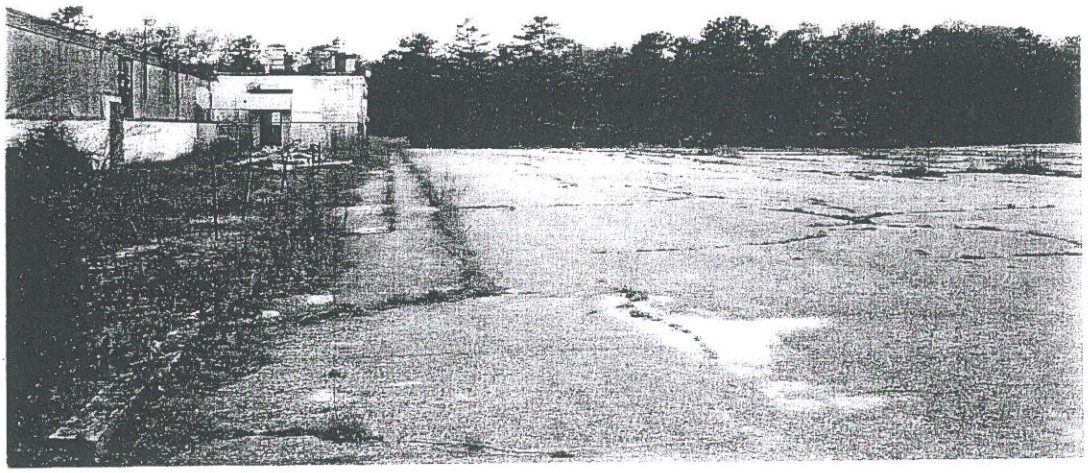


Plate 3 Looking west along rear of Hazeltine building and asphalt parking lot.

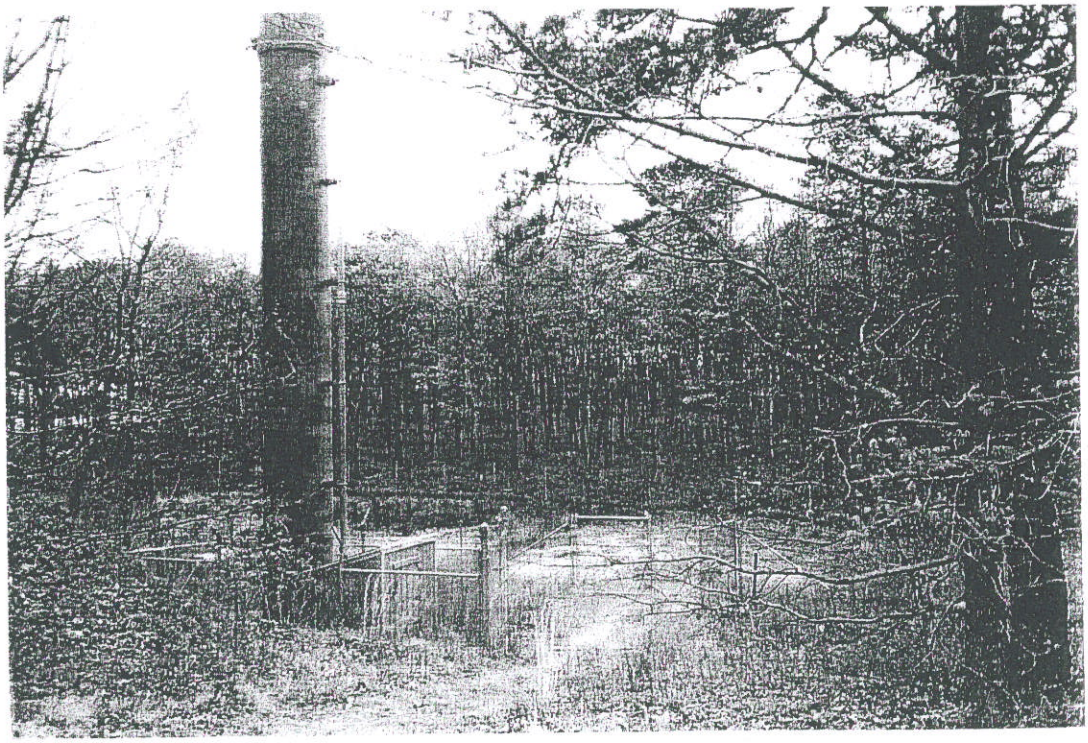


Plate 4 Looking west from parking lot behind Hazeltine building at recharge basin.

Plate 5 Looking east at dirt road connecting utility shed.

Plate 6 Looking west at forested area of project property west of Hazeltine building.

APPENDIX 2

Shovel Test Pits

STP	Lv	Depth(cm)	Texture	Color	Hor.	Comments
1	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	sand (S)	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
2	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-18	S	10YR4/2	A	NCM
	3	18-27	S	10YR5/6	B	NCM
3	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-18	S	10YR4/2	A	NCM
	3	18-27	S	10YR5/6	B	NCM
4	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-16	S	10YR4/2	A	NCM
	3	16-27	S	10YR5/6	B	NCM
5	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-16	S	10YR4/2	A	NCM
	3	16-27	S	10YR5/6	B	NCM
6	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-28	S	10YR5/6	B	NCM
7	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
8	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-28	S	10YR5/6	B	NCM
9	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
10	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-22	S	10YR4/2	A	NCM
	3	22-31	S	10YR5/6	B	NCM
11	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-20	S	10YR4/2	A	NCM
	3	20-32	S	10YR5/6	B	NCM
12	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-32	S	10YR5/6	B	NCM

13	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-20	S	10YR4/2	A	NCM
	3	20-32	S	10YR5/6	B	NCM
14	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-20	S	10YR4/2	A	NCM
	3	20-32	S	10YR5/6	B	NCM
15	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
16	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-20	S	10YR4/2	A	NCM
	3	20-32	S	10YR5/6	B	NCM
17	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-29	S	10YR5/6	B	NCM
18	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-29	S	10YR5/6	B	NCM
19	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
20	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
21	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
22	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
23	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
24	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
25	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-22	S	10YR4/2	A	NCM
	3	22-36	S	10YR5/6	B	NCM
26	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-22	S	10YR4/2	A	NCM

	3	22-36	S	10YR5/6	B	NCM
27	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-36	S	10YR5/6	B	NCM
28	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-8	S	10YR4/2	A	NCM
	3	8-19	S	10YR5/6	B	NCM
29	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
30	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
31	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
32	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
33	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
34	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
35	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
36	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-18	S	10YR4/2	A	NCM
	3	18-30	S	10YR5/6	B	NCM
37	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
38	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM
39	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM

40	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
41	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-21	S	10YR4/2	A	NCM
	3	21-34	S	10YR5/6	B	NCM
42	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-21	S	10YR4/2	A	NCM
	3	21-33	S	10YR5/6	B	NCM
43	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-19	S	10YR4/2	A	NCM
	3	19-34	S	10YR5/6	B	NCM
44	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
45	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
46	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-30	S	10YR5/6	B	NCM
47	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
48	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM
Note: near shed.						
49	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-24	S	10YR4/2	A	NCM
	3	24-34	S	10YR5/6	B	NCM
50	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-24	S	10YR4/2	A	NCM
	3	24-34	S	10YR5/6	B	NCM
51	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-24	S	10YR4/2	A	NCM
	3	24-34	S	10YR5/6	B	NCM
52	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM

53	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
54	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-16	S	10YR4/2	A	NCM
	3	16-29	S	10YR5/6	B	NCM
55	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-21	S	10YR4/2	A	NCM
	3	21-31	S	10YR5/6	B	NCM
56	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-21	S	10YR4/2	A	NCM
	3	21-31	S	10YR5/6	B	NCM
57	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM
58	1	0-8	rootmat,leaves,humus		A/O	NCM
	2	8-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
59	1	0-8	rootmat,leaves,humus		A/O	NCM
	2	8-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
60	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
61	1	0-8	rootmat,leaves,humus		A/O	NCM
	2	8-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
62	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
63	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-16	S	10YR4/2	A	NCM
	3	16-29	S	10YR5/6	B	NCM
64	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-16	S	10YR4/2	A	NCM
	3	16-28	S	10YR5/6	B	NCM
65	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-28	S	10YR5/6	B	NCM
66	1	0-6	rootmat,leaves,humus		A/O	NCM

	2	6-12	S	10YR4/2	A	NCM
	3	12-25	S	10YR5/6	B	NCM
67	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-12	S	10YR4/2	A	NCM
	3	12-25	S	10YR5/6	B	NCM
68	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-12	S	10YR4/2	A	NCM
	3	12-25	S	10YR5/6	B	NCM
69	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-12	S	10YR4/2	A	NCM
	3	12-29	S	10YR5/6	B	NCM
70	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-20	S	10YR4/2	A	NCM
	3	20-33	S	10YR5/6	B	NCM
71	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-27	S	10YR5/6	B	NCM
72	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-30	S	10YR5/6	B	NCM
73	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-15	S	10YR4/2	A	NCM
	3	15-29	S	10YR5/6	B	NCM
74	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-27	S	10YR5/6	B	NCM
75	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-18	S	10YR4/2	A	NCM
	3	18-28	S	10YR5/6	B	NCM
76	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
77	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-28	S	10YR5/6	B	NCM
78	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM
79	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM

80	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM
81	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
82	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM
83	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-20	S	10YR4/2	A	NCM
	3	20-31	S	10YR5/6	B	NCM
84	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
85	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-20	S	10YR4/2	A	NCM
	3	20-31	S	10YR5/6	B	NCM
86	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-27	S	10YR5/6	B	NCM
87	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-10	S	10YR4/2	A	NCM
	3	10-22	S	10YR5/6	B	NCM
88	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-29	S	10YR5/6	B	NCM
89	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
90	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-20	S	10YR4/2	A	NCM
	3	20-30	S	10YR5/6	B	NCM
91	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
92	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-20	S	10YR4/2	A	NCM
	3	20-30	S	10YR5/6	B	NCM
93	1	0-7	rootmat,leaves,humus		A/O	NCM

	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
94	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
95	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-7	S	10YR4/2	A	NCM
	3	7-19	S	10YR5/6	B	NCM
96	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-7	S	10YR4/2	A	NCM
	3	7-17	S	10YR5/6	B	NCM
97	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-12	S	10YR4/2	A	NCM
	3	12-24	S	10YR5/6	B	NCM
98	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-12	S	10YR4/2	A	NCM
	3	12-24	S	10YR5/6	B	NCM
99	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-24	S	10YR4/2	A	NCM
	3	24-37	S	10YR5/6	B	NCM
100	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-24	S	10YR4/2	A	NCM
	3	24-34	S	10YR5/6	B	NCM
101	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-26	S	10YR4/2	A	NCM
	3	26-38	S	10YR5/6	B	NCM
102	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-26	S	10YR4/2	A	NCM
	3	26-38	S	10YR5/6	B	NCM
103	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-28	S	10YR5/6	B	NCM
104	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-28	S	10YR5/6	B	NCM
105	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-28	S	10YR5/6	B	NCM
106	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-9	S	10YR4/2	A	NCM
	3	9-19	S	10YR5/6	B	NCM

107	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-14	S	10YR4/2	A	NCM
	3	14-24	S	10YR5/6	B	NCM
108	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-14	S	10YR4/2	A	NCM
	3	14-24	S	10YR5/6	B	NCM
109	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
110	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-9	S	10YR4/2	A	NCM
	3	9-22	S	10YR5/6	B	NCM
111	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-9	S	10YR4/2	A	NCM
	3	9-29	S	10YR5/6	B	NCM
112	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	S	10YR4/2	A	NCM
	3	15-27	S	10YR5/6	B	NCM
113	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	S	10YR4/2	A	NCM
	3	15-27	S	10YR5/6	B	NCM
114	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	S	10YR4/2	A	NCM
	3	20-32	S	10YR5/6	B	NCM
115	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	S	10YR4/2	A	NCM
	3	20-32	S	10YR5/6	B	NCM
116	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	S	10YR4/2	A	NCM
	3	20-32	S	10YR5/6	B	NCM
117	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-7	S	10YR4/2	A	NCM
	3	7-20	S	10YR5/6	B	NCM
118	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-12	S	10YR4/2	A	NCM
	3	12-25	S	10YR5/6	B	NCM
119	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-12	S	10YR4/2	A	NCM
	3	12-25	S	10YR5/6	B	NCM
120	1	0-6	rootmat,leaves,humus		A/O	NCM

	2	6-15	S	10YR4/2	A	NCM
	3	15-27	S	10YR5/6	B	NCM
121	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-15	S	10YR4/2	A	NCM
	3	15-27	S	10YR5/6	B	NCM
122	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-27	S	10YR5/6	B	NCM
123	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
124	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-15	S	10YR4/2	A	NCM
	3	15-27	S	10YR5/6	B	NCM
125	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-29	S	10YR5/6	B	NCM
126	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-28	S	10YR5/6	B	NCM
127	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-28	S	10YR5/6	B	NCM
128	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-29	S	10YR5/6	B	NCM
129	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-28	S	10YR5/6	B	NCM
130	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
131	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	S	10YR4/2	A	NCM
	3	17-28	S	10YR5/6	B	NCM
132	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
133	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-14	S	10YR4/2	A	NCM
	3	14-27	S	10YR5/6	B	NCM

134	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
135	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-14	S	10YR4/2	A	NCM
	3	14-27	S	10YR5/6	B	NCM
136	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-14	S	10YR4/2	A	NCM
	3	14-27	S	10YR5/6	B	NCM
137	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-14	S	10YR4/2	A	NCM
	3	14-27	S	10YR5/6	B	NCM
138	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
139	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-23	S	10YR4/2	A	NCM
	3	23-33	S	10YR5/6	B	NCM
140	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-23	S	10YR4/2	A	NCM
	3	23-32	S	10YR5/6	B	NCM
141	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-31	S	10YR5/6	B	NCM
142	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-23	S	10YR4/2	A	NCM
	3	23-32	S	10YR5/6	B	NCM
143	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-23	S	10YR4/2	A	NCM
	3	23-33	S	10YR5/6	B	NCM
144	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
145	1	0-8	rootmat,leaves,humus		A/O	NCM
	2	8-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
146	1	0-8	rootmat,leaves,humus		A/O	NCM
	2	8-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
147	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM

	3	19-29	S	10YR5/6	B	NCM
148	1	0-8	rootmat,leaves,humus		A/O	NCM
	2	8-18	S	10YR4/2	A	NCM
	3	18-29	S	10YR5/6	B	NCM
149	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-26	S	10YR5/6	B	NCM
150	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-15	S	10YR4/2	A	NCM
	3	15-25	S	10YR5/6	B	NCM
151	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-15	S	10YR4/2	A	NCM
	3	15-25	S	10YR5/6	B	NCM
152	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-25	S	10YR4/2	A	NCM
	3	25-37	S	10YR5/6	B	NCM
153	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-25	S	10YR4/2	A	NCM
	3	25-37	S	10YR5/6	B	NCM
154	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-16	S	10YR4/2	A	NCM
	3	16-29	S	10YR5/6	B	NCM
155	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-16	S	10YR4/2	A	NCM
	3	16-29	S	10YR5/6	B	NCM
156	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-30	S	10YR5/6	B	NCM
157	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-30	S	10YR5/6	B	NCM
158	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	S	10YR4/2	A	NCM
	3	18-30	S	10YR5/6	B	NCM
159	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-30	S	10YR5/6	B	NCM
160	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-16	S	10YR4/2	A	NCM
	3	16-29	S	10YR5/6	B	NCM

161	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-16	S	10YR4/2	A	NCM
	3	16-29	S	10YR5/6	B	NCM
162	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-24	S	10YR4/2	A	NCM
	3	24-34	S	10YR5/6	B	NCM
163	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-14	S	10YR4/2	A	NCM
	3	14-24	S	10YR5/6	B	NCM
164	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-14	S	10YR4/2	A	NCM
	3	14-24	S	10YR5/6	B	NCM
165	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
166	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-16	S	10YR4/2	A	NCM
	3	16-27	S	10YR5/6	B	NCM
167	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-16	S	10YR4/2	A	NCM
	3	16-27	S	10YR5/6	B	NCM
168	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-16	S	10YR4/2	A	NCM
	3	16-27	S	10YR5/6	B	NCM
169	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-16	S	10YR4/2	A	NCM
	3	16-27	S	10YR5/6	B	NCM
170	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-13	S	10YR4/2	A	NCM
	3	13-25	S	10YR5/6	B	NCM
171	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-15	S	10YR4/2	A	NCM
	3	15-25	S	10YR5/6	B	NCM
172	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-31	S	10YR5/6	B	NCM
173	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-19	S	10YR4/2	A	NCM
	3	19-29	S	10YR5/6	B	NCM
174	1	0-7	rootmat,leaves,humus		A/O	NCM

	2	7-17	S	10YR4/2	A	NCM
	3	17-31	S	10YR5/6	B	NCM
175	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-17	S	10YR4/2	A	NCM
	3	17-31	S	10YR5/6	B	NCM