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PHASE I ARCHAEOLOGICAL SURVEY INVESTIGATIONS

SR404A, BRIDGEVILLE INTERIM BYPASS RECONSTRUCTION

SUSSEX COUNTY, DELAWARE

DELDOT PROJECT ** DELDOT ARCHAEOLOGICAL SERIES NO. **

FHWA FEDERAL AID PROJECT **

By

Ian Burrow and Susan Ferenbach

HUNTER RESEARCH, INC.

Submitted To

**U.S. DEPARTMENT OF TRANSPORTATION
Federal Highway Administration**

and

**DELAWARE DEPARTMENT OF STATE
Division of Historical and Cultural Affairs
State Historic Preservation Office**

Prepared For

**DELAWARE DEPARTMENT OF TRANSPORTATION
Division of Planning
Location and Environmental Studies Office**

**Eugene E. Abbott
Director of Planning**

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ABSTRACT

This management summary describes Phase I archaeological investigations at three locations on the project alignment for the proposed Bridgeville Interim Bypass (SR404A) in Sussex County, Delaware. Background research indicated that no prehistoric sites had been identified on the alignment, but that one historic house foundation (the Newton Property) had been noted in previous surveys. A total of 89 shovel tests and two-one-meter square excavation units were completed at the three locations. A small number of prehistoric artifacts were located at the Coked Hat area (3). Investigations at the Newton Property House site indicated that this was a late-19th or early 20th-century building. It was considered that neither this or the prehistoric materials were potentially significant and no further work is recommended.

**PHASE I ARCHAEOLOGICAL SURVEY INVESTIGATIONS
SR404A, BRIDGEVILLE INTERIM BYPASS RECONSTRUCTION,
SUSSEX COUNTY, DELAWARE
PARENT AGREEMENT 728-1, TASK 728-1-16 92-112-02**

MANAGEMENT SUMMARY

A. Introduction

From October 15th to October 25th, 1996 Hunter Research Inc. conducted a Phase I archaeological field survey in connection with the proposed reconstruction of the Bridgeville Interim Bypass (SR404A) in Sussex County (Figures 1 and 2). Fieldwork was restricted to three locations along the project alignment. Two of the three locations are at minor stream crossings on either side of Road 582. The third location is at the Cocked Hat intersection where Road 582 and Road 583 meet. These locations were selected on the basis of sensitivity assessments and the results of previous surveys (Catts et al. 1991; Cultural Heritage Research Services 1992; Catts et al. 1994). Fieldwork was preceded by background research on historic and prehistoric resources in the project area.

B. Background Research

General background research comprised a review of pertinent secondary literature and historic maps (Beers 1868; Bevan 1929; Hancock 1976; McCarter and Jackson 1882; Reed 1947; Scharf 1888), and a review of previous cultural resource information. There are no previously known prehistoric sites on the project alignment. The 1991 study (Catts et al. 1991) provided a general context and sensitivity assessment from which the testing locations could be derived. The CHRS architectural survey provided background data for the identified house foundation [7S-B-78] on the Newton Property, and this location was briefly discussed in Catts et al. (1994: 76, 79). No buildings are shown on the earliest detailed and accurate map of the project area (Beers 1868, Figure 3).

Limited primary research was undertaken on the Newton property and foundation. The exact date for the construction of this house remains unclear. The 1868 Beers map shows no structures in this area, but by 1955 two buildings are shown on the Greenwood U.S.G.S. quadrangle map. Road papers, c.1850, show this area to be woodland owned by William Cannon with no standing structures (Robinson Tenant House-Road Papers, circa 1850-Segment 13: as reproduced by Catts et al., 1994). O. A. Newton purchased the land from Joseph L. Cahall, trustee to the estate of N. W. McMillan (Sussex County Deed 131 290) in 1899. McMillan's name appears on the 1868 Beers map southwest of the location of the foundation (Figure 3). None of the reviewed deeds provided information on structures on the property. All that can be stated at this point is that the house site probably dates to after 1868.

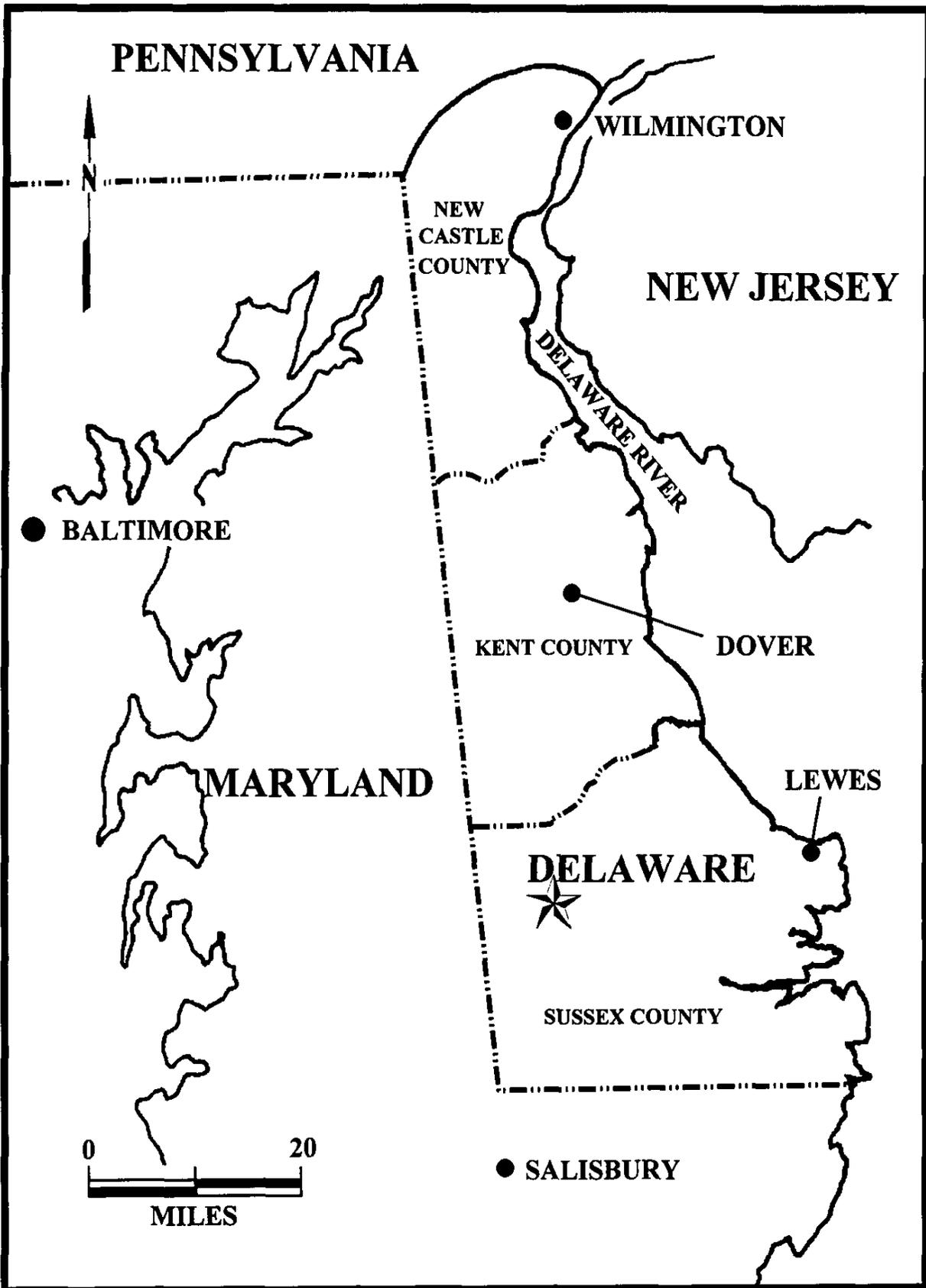


Figure 1. General Location of Project Area (starred).

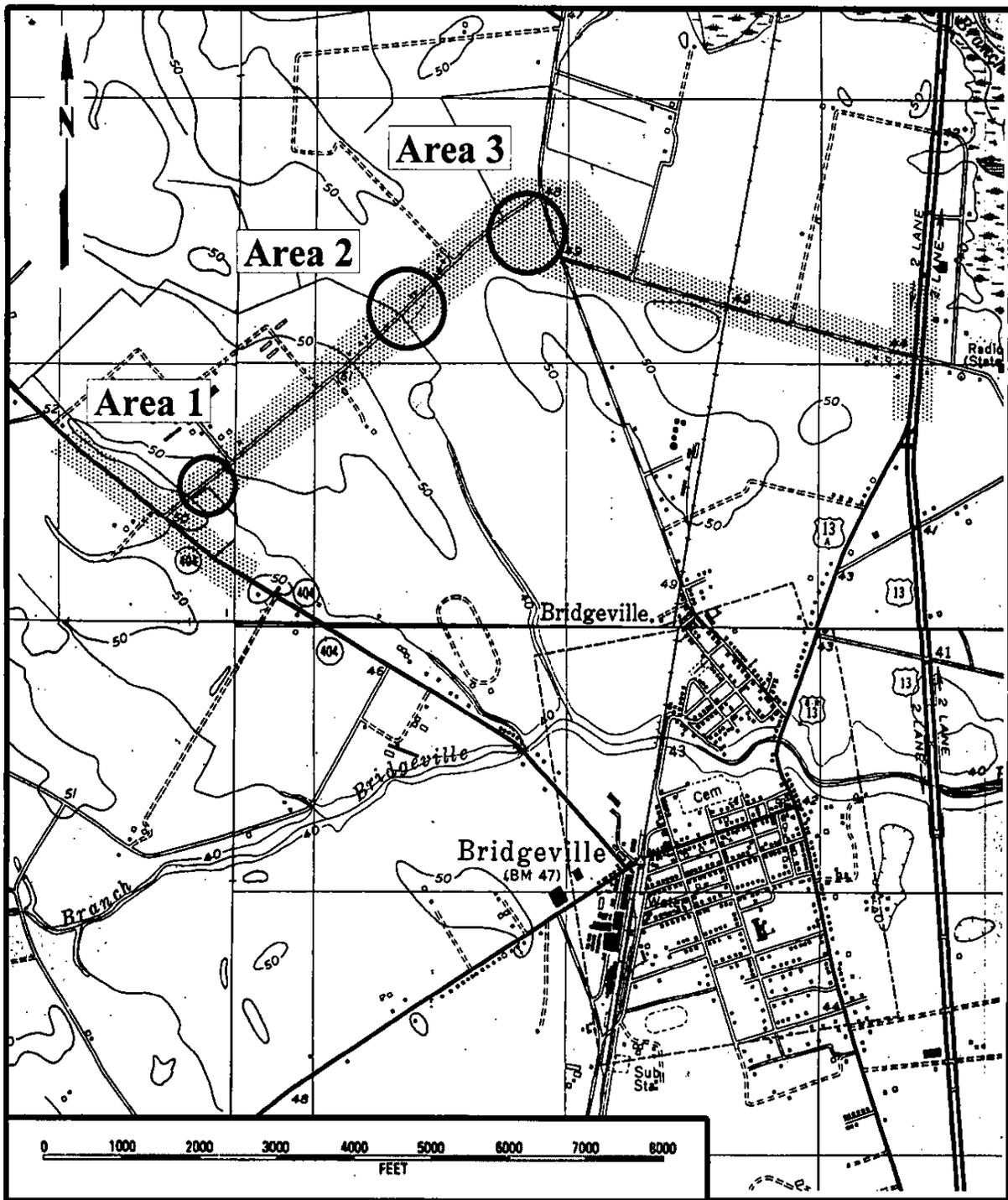


Figure 2. Detailed Location of Project Area (shaded). Source: USGS 7.5' Topographic Series Greenwood, Del, Quadrangle (1955 [Photorevised 1981]), Hickman, Del. -MD., Quadrangle (1955 [Photorevised 1983]), Seaford East, Del., Quadrangle (1955 [Photorevised 1983]) and Seaford West, Del., Quadrangle (1955). Areas of Subsurface Tests Circled.

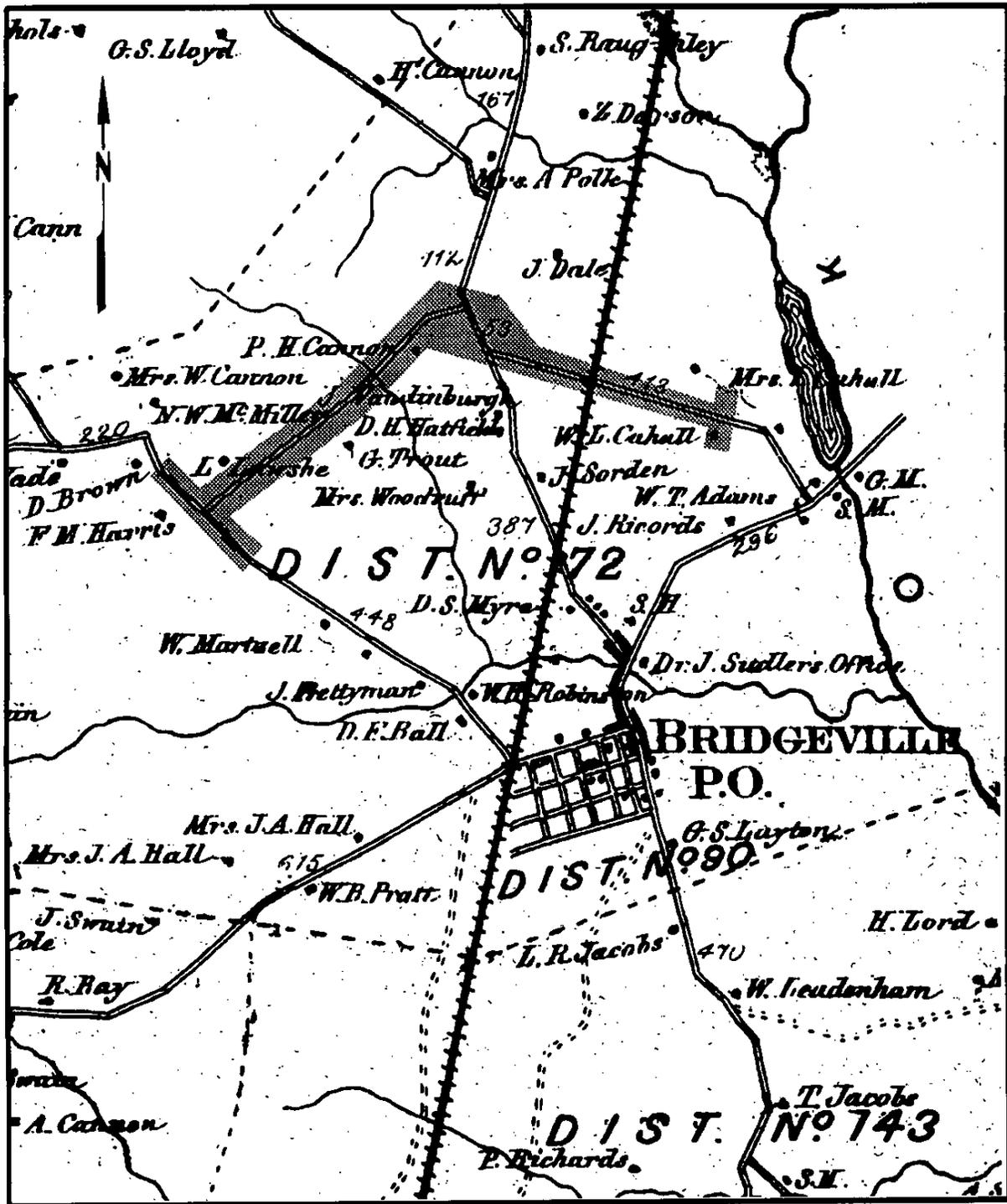


Figure 3. Beers, D.G. Northwest Fork Hundred. Atlas of the State of Delaware. 1868. Scale 1 inch: 3,000 feet (approximately). Project Area Shaded.

The property has remained in the ownership of the heirs of O.A. Newton and now belongs to Elizabeth E. Newton, Robert F. Rider and the Bank of Delaware (Sussex County Deed 883 41). The Newtons had one of the most diversified businesses in Delaware in the late 19th and early 20th centuries. By the late 1940's they owned three companies: O. A. Newton and Son Co., O. A. Newton and Son, and the Newton Chemical and Supply Co. These companies were involved in farm machinery repair, manufacturing fruit grading equipment and spray chemicals for fruit, raising poultry, operating a feed mill and running an orchard with 300 acres of apples and peaches (Reed 1947:435).

Personal communications with Edna Hopkins, who lives in the house north of the Newton property foundation (7S-B-78), revealed that the house burned down about twenty years ago (1976), after the tenants, the Anderson family, moved out. 5-8636

C. Field Investigations

1. Field Methods

A total of 89 shovel tests and two one-meter-square excavation units were excavated in advance of the reconstruction of the Bridgeville Interim Replacement (SR404A). In the vicinity of Station 7.00 (Area 1), 12 shovel tests were excavated at 50-foot intervals on both sides of Road 582 on either side of a minor drainage (Figure 4). Between Stations 36.5 and 43.5 (Area 2), 30 shovel tests were excavated at 50-foot intervals along a single transect on each side of Road 582 on both sides of another drainage (Figures 5 and 6). Two one-meter-square units were excavated in the vicinity of the foundation site 7S-B-78 (one within the foundation and one unit southeast of the foundation, bisecting ST# 24). In the vicinity of the proposed intersection improvements at Cocked Hat (Area 3), 48 shovel tests were excavated at 50-foot intervals along five east-west transects spaced 100 feet apart (Figure 7). All tests were excavated by hand and screened through 1/4-inch mesh hardware cloth.

2. Prehistoric Resources

No prehistoric features were found within the limits of the project areas. A few artifacts were found within the Cocked Hat area (see below).

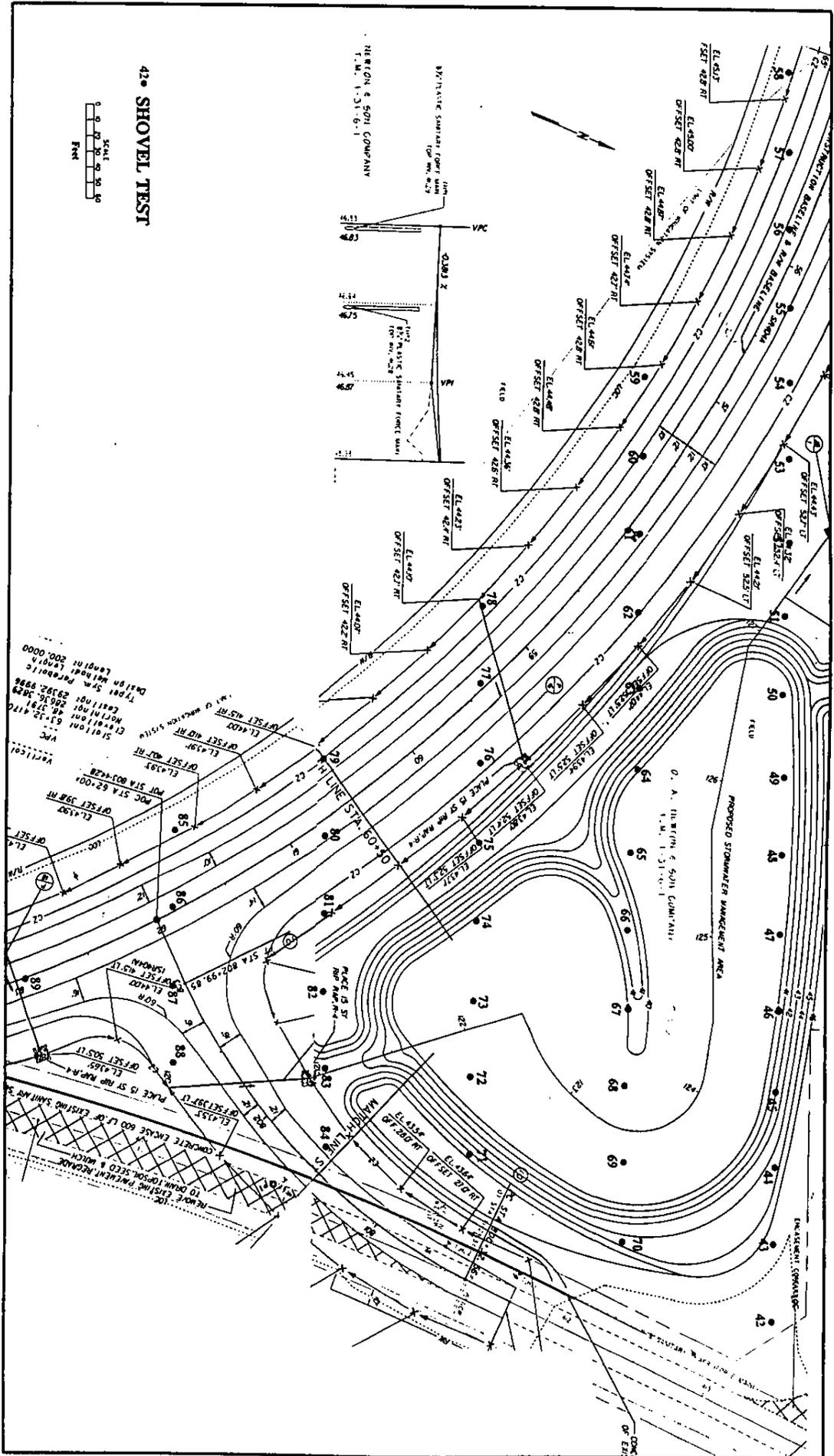


Figure 7. Project Plans Showing Locations of Subsurface Tests in Area 3.

3. Historic Resources

No cultural features were found within the project area limitations of Area 1 and Area 2. Excavation Unit 1 incorporated Shovel Test 24 and was located to the southeast of the Newton property foundation but within the project limits. No cultural features were found. Excavation Unit 2 was situated within the foundation in the northwest corner of the house. The Newton property foundation lies outside the proposed limit of construction. The cement block foundation measures 30 feet by 12 feet and has a central brick chimney. An electrical outlet box was discovered in the yard, so this house probably had an electricity supply. There was an indoor pitcher pump and no indoor septic.

An intact structure similar to the Newton property foundation was found on Road 583 leading into the town of Bridgeville near the railroad tracks. It was a brown tarpaper shack with a central brick chimney and appeared to have the same dimensions as the Newton foundation. A kitchen and parlor are possibly located downstairs and two bedrooms upstairs, with two attached porches. The large amount of asbestos shingle discovered within the Newton foundation suggest that the structure was probably built or renovated in the early decades of the 20th century (McAlester and McAlester 1990).

Excavation Unit 1 (Figure 8)

Excavation Unit 1 was manually excavated to a depth of 36 centimeters below the ground surface onto the top of a sterile sandy clay (Context 5). A shovel was employed to open a window into the lower sediments and below Context 5 was an undisturbed mottled clay [6]. Overlying Context 5 was a mottled sand with some gravel [4] and the artifacts recovered included a fragment of heavily corroded iron and a large quantity of asbestos shingle. A sandy loam plowzone [1] covered Context 4 and contained an aqua bottle neck, brick fragments and pork chop bones. Contexts 1 and 4 contained artifacts from the demolition of the Newton house.

Excavation Unit 2 (Figure 9)

Excavation Unit 2 was manually excavated to a depth of 24 centimeters below the ground surface down to the top of Context 8, a sterile mottled clay. Overlying Context 8 was a clay deposit [5] with demolition debris on top. Above the clay was a humus layer [1] that contained a large quantity of melted glass, wire nails, coal, burnt wood and asbestos tile. It can be presumed that this portion of the house was once the kitchen due to the recovery of a refrigerator motor, vent plate and insulation plus canning jars. The builders' trench [4, 3 & 6] was excavated to a depth of 48 centimeters below the ground surface to the top of the concrete footing [7], and cut context 5. The cement of the footing had no stones in the matrix and was pinkish rather than the grey/blue of a commercial grade cement. Context 3, a silty clay, contained faunal remains, building materials and burnt wood. Below Context 3 was a mottled gritty clay [6] that had some fauna and brick fragments. Contexts 1, 3 and 6 abut the three

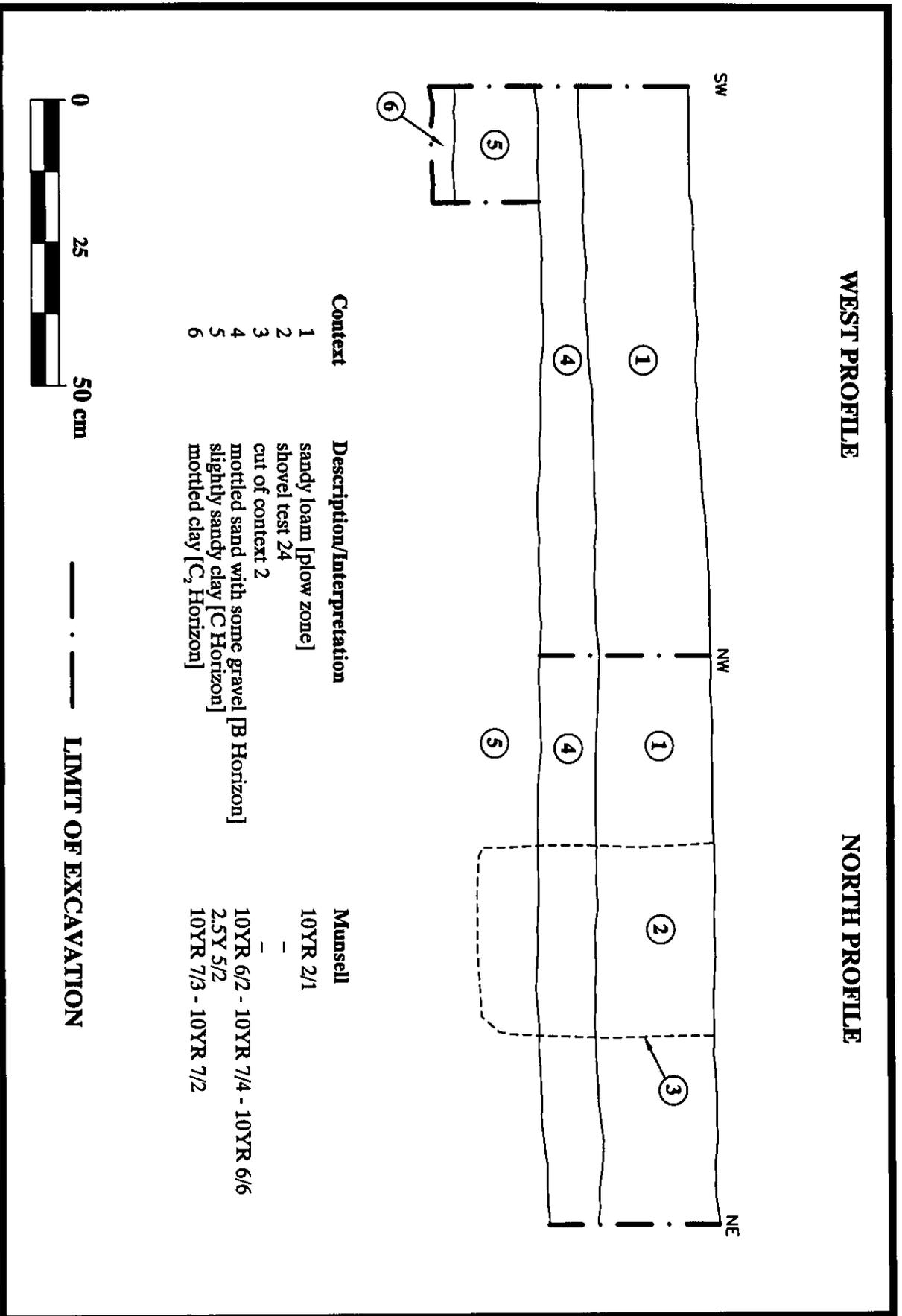


Figure 8. Excavation Unit 1, West and North Profiles.

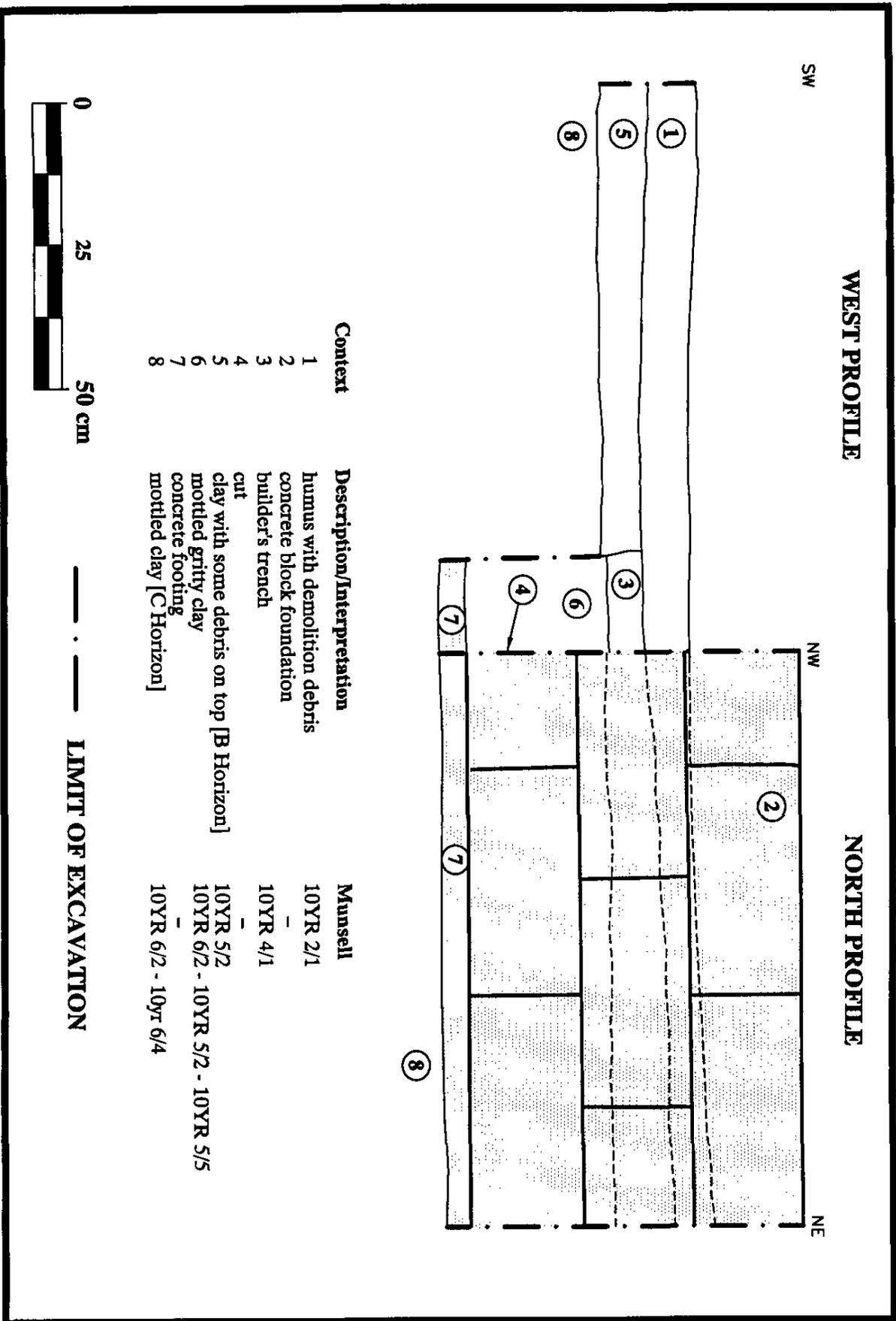


Figure 9. Excavation Unit 2, West and North Profiles.

block high concrete foundation [2]. There were no sill anchors or devices to attach the sill to the block wall.

The Cocked Hat site (Area 3), had a concentration of coal fragments and some brick fragments on the surface in the vicinity of ST#s 74-76. This could be remnants of a possible small agricultural structure.

D. Artifact Analysis

1. Prehistoric Artifacts

One prehistoric artifact, a possible quartz shatter, was recovered from the surface of Shovel Test # 74, located in the Cocked Hat area. Also in the Cocked Hat area near Road 583, two thermally altered rocks were observed.

2. Historic Artifacts

A moderate quantity of 20th century artifacts were recovered from the plowzone in most of the shovel tests and all but a few were discarded due to their recent origins. These artifacts consisted mostly of modern vessel glass, brick fragments, coal and plastic. Artifacts relating to the Newton house consisted of asbestos tile, burnt wood, melted bottle glass, faunal remains and wire nails of which a small sample was retained.

E. Conclusions and Recommendations

The survey of these three locations has not revealed the presence of any potentially significant prehistoric resources. Historic material is similarly considered not to be potentially significant. The Newton property house site appears to be the foundation of a type of later-19th or early 20th-century house type of which examples remain in the area. Archaeologically it does retain some integrity, in that there is a recognizable builders' trench for the concrete foundation, and some associated stratigraphy, but the low informational yield likely from this material excludes it from consideration for eligibility under criterion D. The other criteria do not appear applicable on the basis of research undertaken, and the site is not considered significant.

It may be worth noting that this house may have been moved to this location, perhaps from Bridgeville, and possibly after WW II. This is a known phenomenon in the area (Glenn Mellin: personal communication). The shoddy workmanship of the foundation (no sill anchors or devices to attach the sill to the blockwall, the footing did not contain stones in the matrix and was pinkish colored instead of grey/blue showing that it was not of commercial grade cement) could be because it was built by the occupants.

It is concluded that no further archaeological work is merited on the project alignment investigated in this study.

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Sussex County Court House

N. d. Sussex County Deeds. On file, Sussex County Court House, Georgetown,
 Delaware.

APPENDIX A
SUMMARY OF SUBSURFACE TESTING

APPENDIX A

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth From To	Soil Description	Munsell Color	Cultural Materials
1	1	0-36cm	sandy loam; plowzone	10YR 4/2	-
	2	36-65cm	mottled medium sand; C	10YR 7/2 w/10YR 6/4	-
2	1	0-37cm	sandy loam; plowzone	10YR 4/2	historic ceramics; glass*
	2	37-94cm	sand & gravel; C	10YR 7/2 w/10YR 6/4	-
3	1	0-29cm	sandy clay loam; fill	10YR 4/1	glass*
	2	29-43cm	mottled compact clay; fill	10YR 5/1 w/10YR 4/1 w/10YR 5/6	-
	3	43-87cm	clay loam; old plowzone	10YR 4/1	-
	4	87-93cm	mottled wet sand; C	10YR 6/1 w/10YR 6/2	-
4	1	0-35cm	sandy loam; plowzone	10YR 4/1	glass*
	2	35-50cm	sand; C	10YR 6/1	-
5	1	0-22cm	sandy loam; plowzone	10YR 4/1	fuel/waste*
	2	22-33cm	mottled medium sand; C	10YR 7/2 w/10YR 6/4	-
6	1	0-25cm	sandy loam; plowzone	10YR 4/1	glass*
	2	25-45cm	medium sand; C	10YR 6/1	-
7	1	0-25cm	sandy loam; plowzone	10YR 4/1	-
	2	25-37cm	medium sand; C	10YR 6/1	-
8	1	0-26cm	sandy loam; plowzone	10YR 4/1	-
	2	26-39cm	medium sand; C	10YR 6/1	-
9	1	0-30cm	sandy loam; plowzone	10YR 4/1	metal*; bldg. materials*
	2	30-40cm	compact medium sand w/gravel; C	10YR 6/1	-
10	1	0-25cm	loam; plowzone	10YR 5/2	-
	2	25-70cm	mottled sandy clay; C	10YR 6/1 w/10YR 5/6	-
11	1	0-25cm	loam; plowzone	10YR 5/2	-
	2	25-45cm	sandy clay; C1	10YR 6/1	-
	3	45-70cm	clay; C2	10YR 5/2	-

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth From To	Soil Description	Munsell Color	Cultural Materials
12	1	0-30cm	sandy loam; plowzone	10YR 5/2	-
	2	30-42cm	compact sand w/gravel; C	10YR 6/1	-
13	1	0-25cm	sandy loam; plowzone	10YR 4/2	fuel/waste*
	2	25-55cm	mottled clay sand; C	10YR 6/1 w/10YR 5/6 w/10YR 3/3	-
14	1	0-28cm	sandy loam; plowzone	10YR 4/1	inorganic*
	2	28-50cm	mottled sandy clay; C	10YR 6/1 w/10YR 6/4 w/10YR 5/6	-
15	1	0-50cm	sandy loam; plowzone	10YR 4/1	metal*; glass*; inorganic*
	2	50-70cm	slightly clay sand; C	10YR 7/2	-
16	1	0-43cm	sandy loam; plowzone	10YR 4/1	inorganic*
	2	43-50cm	clay sand; C	10YR 5/1	-
17	1	0-40cm	sandy loam; plowzone	10YR 4/1	bdg. materials*
	2	40-55cm	mottled clay sand; C	10YR 6/2 w/10YR 6/6	-
18	1	0-65cm	sandy loam; fill	10YR 4/2	-
	2	65-85cm	clay loam; plowzone	10YR 4/1	-
	3	85-90cm	mottled clay sand; C	10YR 6/2 w/10YR 7/2 w/10YR 5/6	-
19	1	0-30cm	sandy loam; plowzone	10YR 4/2	-
	2	30-50cm	clay sand; C	10YR 6/1	-
20	1	0-10cm	loam; A	10YR 4/2	-
	2	10-30cm	sandy clay; C1	10YR 6/1	-
	3	30-40cm	mottled fine sand clay; C2	10YR 6/1 w/10YR 7/1 w/10YR 5/6	-
21	1	0-12cm	sandy loam; A	10YR 4/2	-
	2	12-38cm	mottled fine sand clay; C	10YR 5/6 w/10YR 7/1 w/10YR 6/1	-

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth From To	Soil Description	Munsell Color	Cultural Materials
22	1	0-20cm	sandy loam; A	10YR 4/2	glass*
	2	20-30cm	sandy loam; B	10YR 5/2	-
	3	30-45cm	mottled slightly sandy clay; C	10YR 6/1 w/10YR 7/1 w/10YR 5/6	-
23	1	0-30cm	sandy loam; A	10YR 4/2	metal*; glass*; fuel/waste*; inorganic*
	2	30-45cm	sandy clay; B	10YR 5/1	-
	3	45-80cm	mottled slightly sandy clay; C	10YR 6/1 w/10YR 5/6	-
24	1	0-20cm	sandy loam; plowzone	10YR 4/2	-
	2	20-28cm	mottled sand; fill	10YR 6/2 w/10YR 7/4 w/10YR 6/6	bdg. materials*
	3	28-43cm	sandy clay; B	10YR 5/1	-
25	1	0-25cm	sandy loam; plowzone	10YR 4/2	glass*; fuel waste*
	2	25-35cm	clay loam; B	10YR 5/3	-
	3	35-45cm	mottled clay loam; C	10YR 7/1 w/10YR 6/1 w/10YR 5/6	-
26	1	0-20cm	clay loam; plowzone	10YR 4/2	glass*; bldg. materials*; fuel/waste*
	2	20-26cm	sandy clay; B	2.5Y 6/2	-
	3	26-50cm	mottled slightly sandy clay; C	10YR 6/1 w/10YR 5/6	-
27	1	0-20cm	mottled clay loam	10YR 4/1 w/10YR 7/4	-
	2	20-45cm	clay sand	10YR 7/4	-
28	1	0-30cm	clay loam	10YR 4/1	glass*
	2	30-47cm	mottled clay loam	10YR 7/1 w/10YR 6/1 w/10YR 5/6	-
29	1	0-21cm	sandy loam; plowzone	10YR 4/1	-
	2	21-46cm	wet sand; plowzone mixed w/B	10YR 4/1	-
	3	46-64cm	wet slightly clay sand; C	10YR 6/1	-

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth		Soil Description	Munsell Color	Cultural Materials
		From	To			
30	1	0-25cm		clay loam; plowzone	10YR 4/1	bdg. materials*
	2	25-55cm		mottled sandy clay	10YR 7/1 w/10YR 6/1 w/10YR 5/6	-
31	1	0-25cm		clay loam; plowzone	10YR 4/1	glass*; bdg. materials*
	2	25-79cm		mottled slightly sandy clay; C	10YR 7/1 w/10YR 6/1 w/10YR 5/6	-
32	1	0-28cm		sandy loam; plowzone	10YR 4/1	glass*; inorganic*
	2	28-32cm		sandy clay; C	10YR 7/2	-
33	1	0-32cm		clay loam; plowzone	10YR 4/1	bdg. materials*
	2	32-50cm		sandy clay; C	10YR 7/2	-
34	1	0-20cm		loam; plowzone	10YR 4/1	historic ceramics
	2	20-60cm		mottled sandy clay; C	10YR 6/2 w/10YR 7/2 w/10YR 5/6	-
35	1	0-16cm		loam; plowzone	10YR 4/1	-
	2	16-30cm		mottled sandy clay; C	10YR 6/2 w/10YR 7/2 w/10YR 5/6	-
36	1	0-25cm		loam; plowzone	10YR 4/1	-
	2	25-40cm		mottled sandy clay; C	10YR 6/2 w/10YR 7/2 w/10YR 5/6	-
37	1	0-25cm		loam; plowzone	10YR 4/1	fauna; glass; glass*
	2	25-40cm		mottled sandy clay; C	10YR 6/2 w/10YR 7/2 w/10YR 5/6	-
38	1	0-25cm		loam; plowzone	10YR 6/2 w/10YR 7/2 w/10YR 5/6	bdg. materials*; glass*
	2	25-40cm		mottled sandy clay; C	10YR 6/2 w/10YR 7/2 w/10YR 5/6	-

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth From To	Soil Description	Munsell Color	Cultural Materials
39	1	0-25cm	loam; plowzone	10YR 4/1	bldg. materials*; fuel/waste*
	2	25-40cm	mottled sandy clay; C	10YR 4/1 w/10YR 7/2 w/10YR 5/6	-
40	1	0-25cm	loam; plowzone	10YR 4/1	bldg. materials*
	2	25-40cm	mottled sandy clay; C	10YR 6/2 w/10YR 7/2 w/10YR 5/6	-
41	1	0-23cm	sandy clay loam; plowzone	10YR 4/1	-
	2	23-70cm	mottled sandy clay; C	10YR 6/2 w/10YR 7/2 w/10YR 5/6	-
42	1	0-30cm	clay loam; plowzone	10YR 4/1	glass*
	2	30-60cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
43	1	0-30cm	clay loam; plowzone	10YR 4/1	metal*; glass*; fuel/waste*
	2	30-50cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
44	1	0-30cm	clay loam; plowzone	10YR 4/1	glass*; bldg. materials*
	2	30-50cm	mottled sandy clay; B	10YR 6/1 w/10 YR 6/6	-
45	1	0-30cm	clay loam; plowzone	10YR 4/1	-
	2	30-55cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
46	1	0-30cm	clay loam; plowzone	10YR 4/1	glass*; bldg. materials*
	2	30-55cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
47	1	0-31cm	clay loam; plowzone	10YR 4/1	-
	2	31-58cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
48	1	0-25cm	clay loam; plowzone	10YR 4/1	-
	2	25-45cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth From To	Soil Description	Munsell Color	Cultural Materials
49	1	0-25cm	clay loam; plowzone	10YR 4/1	glass*
	2	25-45cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
	3	45-75cm	mottled sandy clay; C	2.5Y 6/2 w/2.5Y 6/4 w/2.5Y 6/6	-
	4	75-140cm	mottled clay sand; C	10YR 7/1 w/10YR 7/2 w/10YR 5/6	-
50	1	0-25cm	clay loam; plowzone	10YR 4/1	organic*
	2	25-40cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
51	1	0-25cm	clay loam; plowzone	10YR 4/1	-
	2	25-50cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
52	1	0-25cm	clay loam; plowzone	10YR 4/1	-
	2	25-50cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
53	1	0-25cm	clay loam; plowzone	10YR 4/1	-
	2	25-40cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
54	1	0-25cm	clay loam; plowzone	10YR 4/1	-
	2	25-30cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
55	1	0-27cm	clay loam; plowzone	10YR 4/1	-
	2	27-57cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
	3	57-70cm	mottled clay sand; C	10YR 6/1 w/10YR 6/6	-
56	1	0-27cm	clay loam; plowzone	10YR 4/1	glass*; bldg. materials*
	2	27-55cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
57	1	0-30cm	clay loam; plowzone	10YR 4/1	glass*; fauna*
	2	30-42cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth From To	Soil Description	Munsell Color	Cultural Materials
58	1	0-30cm	clay loam; plowzone	10YR 4/1	-
	2	30-35cm	mottled sandy clay; B	10YR 6/1 w/10YR 6/6	-
59	1	0-25cm	clay loam; plowzone	2.5Y 5/2	fuel/waste*
	2	25-40cm	sandy clay	2.5Y 6/4	-
60	1	0-26cm	clay loam; plowzone	2.5Y 5/2	-
	2	26-43cm	mottled sandy clay; B	2.5Y 6/4 w/10YR 5/6	-
	3	43-80cm	clay sand; C	2.5Y 6/4 w/10YR 7/1 w/10YR 6/8	-
61	1	0-25cm	clay loam; plowzone	10YR 4/2	-
	2	25-40cm	sandy clay; B	2.5Y 6/3	-
62	1	0-25cm	clay loam; plowzone	10YR 4/2	-
	2	25-40cm	sandy clay; B	2.5Y 6/3	-
63	1	0-25cm	clay loam; plowzone	10YR 4/2	-
	2	25-34cm	sandy clay; B	10YR 6/4	-
64	1	0-25cm	clay loam; plowzone	10YR 4/2	-
	2	25-40cm	sandy clay; B	2.5Y 6/4	-
65	1	0-25cm	clay loam; plowzone	10YR 4/2	glass*; inorganic*; fuel/waste*;
	2	25-40cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/4	-
66	1	0-25cm	clay loam; plowzone	10YR 4/2	fuel/waste*
	2	25-40cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/4	-
67	1	0-25cm	clay loam; plowzone	10YR 4/2	metal*
	2	25-60cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/4	-
	3	60-80cm	mottled slightly clay sand; C	10YR 6/2 w/10YR 6/4	-
68	1	0-15cm	clay loam; plowzone 1	10YR 4/2	glass*
	2	15-35cm	clay loam; plowzone 2	10YR 4/1	-
	3	35-55cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/6	-

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth From To	Soil Description	Munsell Color	Cultural Materials
69	1	0-20cm	clay loam; plowzone 1	10YR 4/2	-
	2	20-35cm	clay loam; plowzone 2	10YR 4/1	-
	3	35-50cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/6	-
70	1	0-20cm	clay loam; plowzone 1	10YR 4/2	glass*
	2	20-25cm	clay loam; plowzone 2	10YR 4/1	-
	3	25-50cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/6	-
71	1	0-20cm	clay loam; plowzone 1	10YR 4/2	glass*
	2	20-30cm	clay loam; plowzone 2	10YR 4/1	-
	3	30-45cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/6	-
72	1	0-25cm	clay loam; plowzone	10YR 4/2	bldg. materials*; fuel/waste*
	2	25-40cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/6	-
73	1	0-27cm	clay loam; plowzone	10YR 4/2	bldg. materials*; fuel/waste*
	2	27-40cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/6	-
74	1	0-25cm	clay loam; plowzone	10YR 4/2	prehistoric lithic; fuel/waste*
	2	25-40cm	sandy clay; B	10YR 6/2 w/10YR 6/6	-
75	1	0-27cm	clay loam; plowzone	10YR 4/2	fuel/waste*
	2	27-50cm	mottled sandy clay; B	10YR 6/2 w/10YR 6/6	-
76	1	0-23cm	clay loam; plowzone	10YR 4/2	fuel/waste*
	2	23-50cm	sandy clay; B	2.5Y 6/4	-
77	1	0-20cm	clay loam; plowzone	10YR 4/2	-
	2	20-60cm	sandy clay; B	2.5Y 6/4	-
	3	60-80cm	mottled clay sand; C	2.5Y 6/4 5/6	-
78	1	0-25cm	clay loam; plowzone	10YR 4/2	fuel/waste*
	2	25-50cm	sandy clay; B	2.5Y 6/4	-

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: SHOVEL TESTS

ST #	Layer#	Depth From To	Soil Description	Munsell Color	Cultural Materials
79	1	0-27cm	clay loam; plowzone	10YR 4/2	glass*; fuel/waste*
	2	27-40cm	sandy clay; B	10YR 6/2	-
80	1	0-28cm	clay loam; plowzone	10YR 4/2	-
	2	28-50cm	mottled sandy clay; B	10YR 6/2 w/10YR 5/6	-
81	1	0-25cm	clay loam; plowzone	10YR 4/2	fuel/waste*
	2	25-40cm	sandy clay; B	2.5Y 6/4	-
82	1	0-20cm	clay loam; plowzone	10YR 4/2	-
	2	20-40cm	sandy clay; B	2.5Y 6/4	-
83	1	0-23cm	clay loam; plowzone	10YR 4/2	-
	2	23-35cm	sandy clay; B	10YR 7/1	-
	3	35-53cm	mottle clay sand; C	10YR 6/1 w/10YR 6/4	-
84	1	0-26cm	clay loam; plowzone	10YR 4/2	glass*; fuel/waste*
	2	26-42cm	clay sand; B	10YR 6/1	-
	3	42-56cm	mottled sandy clay; C	10YR 7/2 w/10YR 6/6	-
85	1	0-23cm	clay loam; plowzone	10YR 4/2	-
	2	23-45cm	sandy clay; B	10YR 6/2	-
86	1	0-27cm	clay loam; plowzone	10YR 4/2	bldg. materials*
	2	27-60cm	mottled sandy clay; B	10YR 7/1 w/10YR 5/6	-
87	1	0-27cm	clay loam; plowzone	2.5Y 4/2	-
	2	27-50cm	mottled sandy clay; B	10YR 7/1 w/10YR 5/6	-
88	1	0-27cm	clay loam; plowzone	2.5Y 4/2	-
	2	27-50cm	mottled sandy clay; B	10YR 7/1 w/10YR 5/6	-
89	1	0-28cm	clay loam; plowzone	2.5Y 4/2	glass*
	2	28-50cm	mottled sandy clay; B	10YR 7/1 w/10YR 5/8	-
*Discarded in field					

APPENDIX A (Cont.)

SUMMARY OF SUBSURFACE TESTING: EXCAVATION UNITS

Unit	Context	Soil Description/Interpretation	Munsell Color	Cultural Materials
1	1	sandy loam; plowzone	10YR 4/2	glass; fauna; bldg. materials*
	2	this context is st-24	-	-
	3	cut of st-24	-	-
	4	mottled sand w/some gravel	10YR 6/2 w/10YR 7/4 w/10YR 6/6	metal*; bldg. materials*
	5	slightly sandy clay; C1	2.5Y 5/2	-
	6	mottled clay; C2	10YR 7/3 w/10YR 7/2	-
2	1	humus w/demolition debris	10YR 2/1	glass*; metal*; fauna; bldg. materials*; fuel/waste*; organic*
	2	concrete foundation wall	-	-
	3	silty clay w/debris; builder's trench	10YR 4/1	fauna; bldg. materials; bldg. materials*; organic*
	4	cut of context 3, 6 & 7	-	-
	5	clay w/some debris on top; B or C1	10YR 5/2	metal*; fauna; bldg. materials*; organic*
	6	mottled gritty clay; builder's trench	10YR 6/2 w/10YR 5/2 w/10YR 5/5	fauna; bldg. materials*
	7	concrete footing in bottom of builder's trench	-	-
	8	mottled clay; C1 or C2	10YR 6/2 w/10YR 6/4	-
*Discarded in field				

APPENDIX B
ARTIFACT INVENTORY

APPENDIX B
ARTIFACT INVENTORY

Shovel Test: 2

Context: 1

CERAMICS

Whiteware

1 sherd

Indeterminate

one surface undecorated, opposite surface missing

Total Artifacts in Context: 1

Total Artifacts in Unit: 1

Shovel Test: 9

Context: 1

BUILDING MATERIALS

Brick

1 frag

*Indeterminate**

Weight: 1.00g

Total Artifacts in Context: 1

Total Artifacts in Unit: 1

Shovel Test: 24

Context: 2

BUILDING MATERIALS

Brick

1 frag

Indeterminate

glazed

Weight: 872.00g

Total Artifacts in Context: 1

Total Artifacts in Unit: 1

APPENDIX B (CONT.)

Shovel Test: 34

Context: 1

CERAMICS

Ironstone

1	sherd	<i>Indeterminate</i> undecorated
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Total Artifacts in Context: 1

Total Artifacts in Unit: 1

Shovel Test: 37

Context: 1

FAUNA

Shell

1	frag	<i>Oyster</i> Weight: 1.00g
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GLASS

Flat

1	frag	<i>Windowlight</i> aqua, thin walled
---	------	---

Total Artifacts in Context: 2

Total Artifacts in Unit: 2

Shovel Test: 39

Context: 1

BUILDING MATERIALS

Brick

1	frag	<i>Indeterminate*</i> Weight: 9.00g
---	------	--

Total Artifacts in Context: 1

Total Artifacts in Unit: 1

APPENDIX B (CONT.)

Shovel Test: 74

Context: 1

LITHICS

Quartz

1	frag	<i>Debitage</i> white
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Total Artifacts in Context: 1

Total Artifacts in Unit: 1

Excavation Unit: 1

Context: 1

BUILDING MATERIALS

Brick

1	frag	<i>Drainpipe*</i> Weight: 5.00g
2	frags	<i>Indeterminate*</i> Weight: 62.00g

FAUNA

Mammal

1	frag	<i>Pig</i> cut rib bone fragment
1	frag	<i>Pig</i> cut long bone, exhibits knife marks

GLASS

Vessel

1	frag	<i>Bottle/Jar</i> curved, aqua
---	------	-----------------------------------

Total Artifacts in Context: 6

Total Artifacts in Unit: 6

Excavation Unit: 2

Context: 1

FAUNA

Mammal

2	frags	<i>Indeterminate</i> one vertebra bone fragment, one pelvic bone fragment, probable pig
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Total Artifacts in Context: 2

APPENDIX B (CONT.)

Context: 3

BUILDING MATERIALS

Mortar

2 frags

*Indeterminate**

Weight: 32.00g

FAUNA

Mammal

5 frags

Indeterminate

two long bone fragments, one exhibits knife marks, three rib bone fragments, probable pig

Total Artifacts in Context: 7

Context: 5

FAUNA

Mammal

3 frags

Indeterminate

indeterminate bone fragments, species unidentified

1 frag

Pig

cut leg bone, exhibits teeth marks

Total Artifacts in Context: 4

Context: 6

BUILDING MATERIALS

Brick

1 frag

*Indeterminate**

Weight: 2.00g

FAUNA

Mammal

7 frags

Indeterminate

one vertebra bone fragment, three long bone fragments, three rib bone fragments, probable pig

Total Artifacts in Context: 8

Total Artifacts in Unit: 21

APPENDIX B (CONT.)

Excavation Unit: 2
Context: 6
FAUNA
Mammal

TOTAL ARTIFACTS: 35

* Item Discarded in Lab