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FINAL REPORT  
PHASE 1B ARCHAEOLOGICAL SURVEY  
OF THE PROPOSED BAISLEY PARK TRIANGLE  
QUEENS COUNTY, NEW YORK

USF

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Prepared for:  
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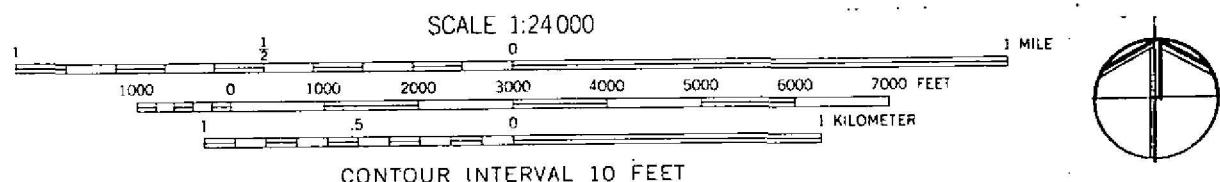
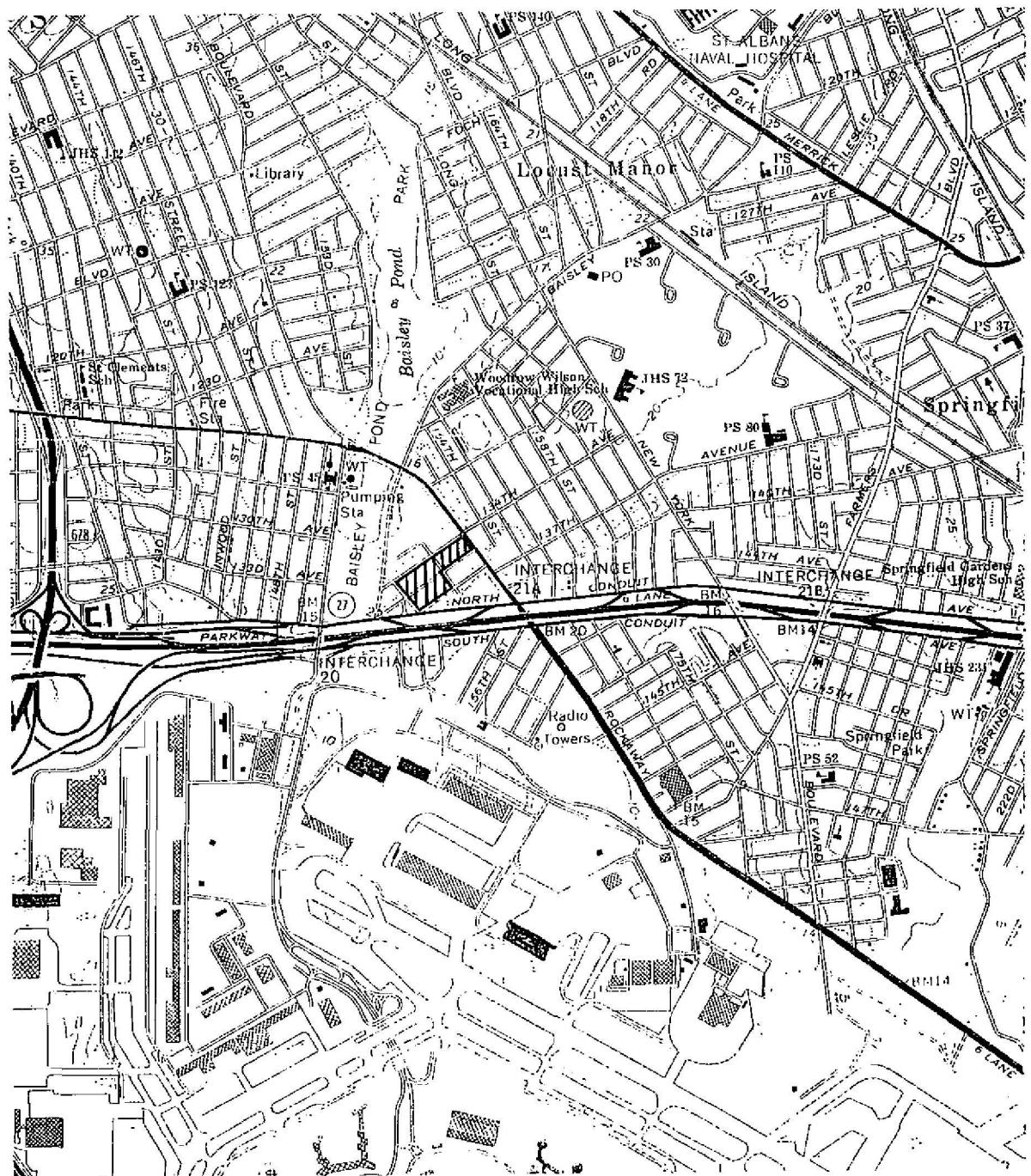


Figure 1 Location of the project area shown on portion of U.S.G.S. 7.5 minute series Jamaica, N.Y. quadrangle, 1966 photo=: revised 1979. Project area blocks indicated by hatchure.



## INTRODUCTION

From November 3rd through November 9th, 1993, Greenhouse Consultants Incorporated conducted a Phase IB archaeological survey of the proposed Baisley Park Triangle housing project in Queens, New York. The purpose of the field testing was to determine the presence or absence of archaeological remains, particularly prehistoric, within the project area.

The survey was completed by Greenhouse Consultants Incorporated for R. W. Hall General Contractor, Inc. of Jamaica, New York. Field investigations were conducted by Alfred Cammisa, Felicia Burgos Cammisa and James Quinn. The final report was compiled by Alfred Cammisa and William I. Roberts IV, who acted as co-principal investigators. Paula Crowley acted as Laboratory Director.

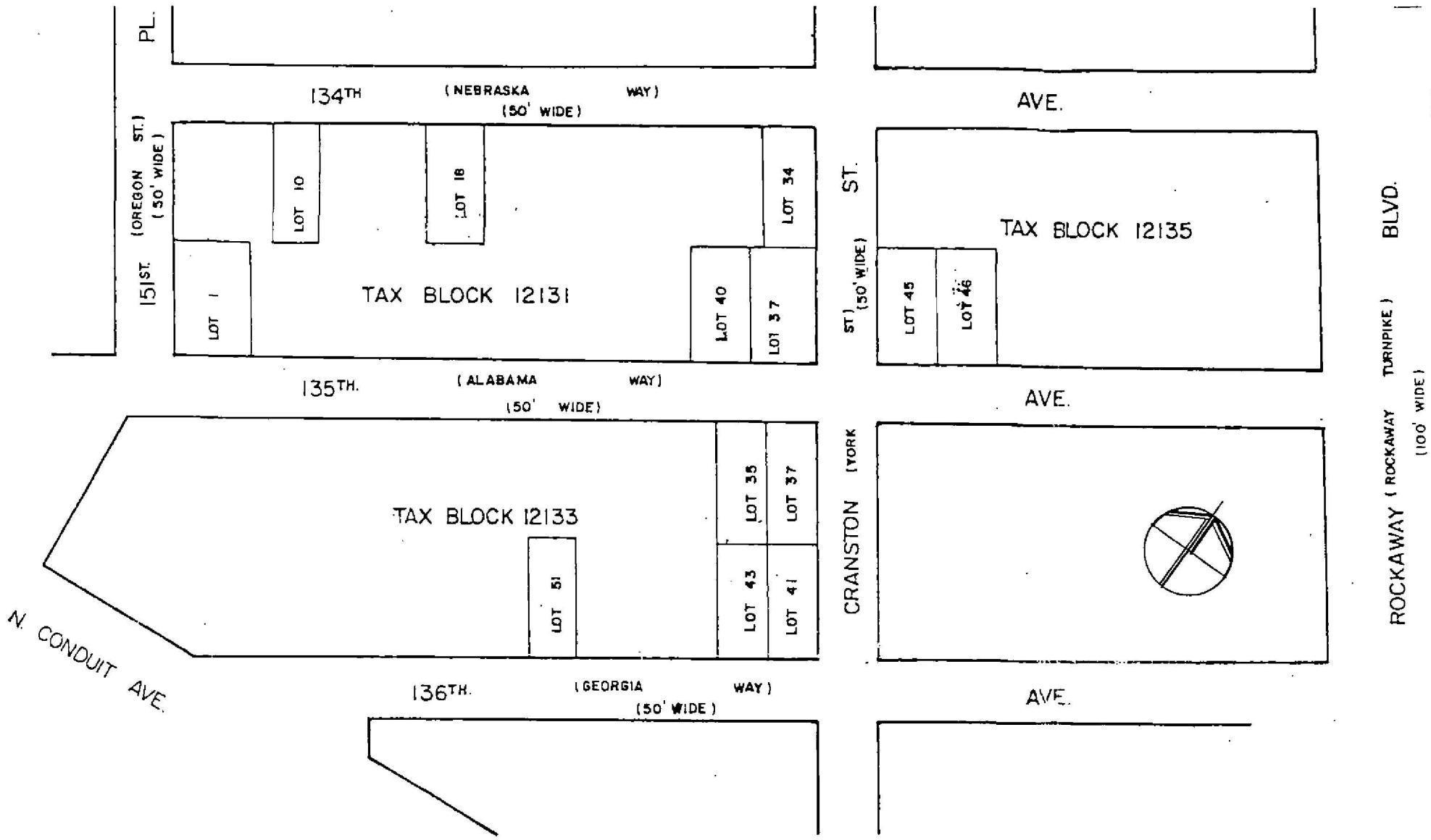


Figure 2 Location of project area lots within Blocks 12131, 12133 and 12135. Taken from the 1992 Builders' Pavement Plan by Erlandsen-Crowell & Shaw. Map not to scale.



## GEOGRAPHY AND PHYSICAL SETTING

The project area is located in the southeastern part of Queens County in the southeastern part of New York State (see Figure 1). This portion of the state lies in the Atlantic Coastal Plains Province (Schuberth 1968: cover map). This region of the Queens County lies south of the Harbor Hill Moraine and north of Jamaica Bay on a glacial outwash deposit (Van Diver 1985: 70; Fuller 1914: 53). Elevation in the area generally extends from about 13.26 to 15.46 feet above mean sea level. This area is relatively flat with virtually no slope.

The project area consists of thirteen lots between 136th and 134th Streets and between Rockaway Boulevard and 151st Place. The Blocks and Lots include Block 12135: Lots 45 and 46; Block 12133: Lots 35, 37, 41, 43 and 51; and Block 12131: Lots 1, 10, 18, 34, 37 and 40 (Figure 2).

No soil survey was available for this part of New York. However, the soil survey for the nearby, adjacent Nassau County lists the area's major soil component as Urban land-Riverhead complex, 0-3 percent slopes. This consists of about 65 percent urbanized areas, 20 percent Riverhead soils and 15 percent other soils (Wulforst 1987: 46). Where Riverhead soils are present they are summarized as follows: surface layer, 0 to 3 inches, dark brown sandy loam; subsoil, 3 to 8 inches, strong brown fine sandy loam, followed by 8 to 17 inches, yellow brown fine sandy loam, followed by 17 to 24 inches, yellow brown sandy loam followed by 24 to 35 inches, brownish yellow loamy sand; the substratum is 35 to 52 inches of brownish yellow sand followed by 52 to 60 inches, brownish yellow gravelly sand (Wulforst 1987: 47).

The Baisley Park Triangle project area is situated between two streams. The stream draining Baisley Pond is approximately 600 feet distant to the west, and a second stream draining land east of Baisley Pond is approximately 400 feet distant to the southeast. Both streams could have supplied fresh water to prehistoric people in or near the project area. Baisley Pond itself is approximately 0.4 miles to the north of the project area. Teeth from a mastodon were found in a layer of peat within the pond during 1858 (Roberts 1993: 4).

Prior to the intensive utilization of the area by Euro-American populations, the primary vegetation cover probably consisted of hardwoods of oak, beech and maple mixed with varying amounts of pine (Wulforst 1987: 86). Immediately to the south, once extensive tidal marshes had existed, south to Jamaica Bay (Fuller 1914: 184-185).

At the time of the Stage 1B investigations, the area consisted of a residential neighborhood in an urban setting. Virtually all the lots showed signs of recent, land-moving disturbances. Block 12131, Lots 1, 34, 37, and 40 had house foundations built into the ground (Plate 6). The same was true of Block 12133, Lots 35, 37, 41 and 43 (Plates 2 and

3). The other lots, Block 12131 Lots 10 and 18, Block 12133, Lot 51 and Block 12135, Lots 45 and 46 did not have foundations built into the ground. Block 12131, Lot 10 contained a large ditch (Plate 9) with an undulating surface, a result of recent land-moving activity. Lot 1 had a large pile of recent backdirt left next to the house foundation from which it was undoubtedly excavated (Plate 12). Block 12135, Lots 45 and 46 were largely buried under mounds of recent backdirt from the house foundations created across the street (Plate 1) (R.W. Hall personnal communication, 1993). Block 12131, Lot 18 and Block 12133, Lot 51 had little if no evidence of recent land-moving disturbances. Where no house foundations or piles of backdirt obscured the surface, the vegetation consisted of weeds and some grass.

## FIELD METHODS

Shovel testing was attempted at 25 feet intervals. However, because of the obstructing house foundations and associated earth moving disturbances, the ideal was not always accomplished. In addition, much of the subsurface in the project area consisted of very hardpacked earth and wood debris which also made it difficult to dig by hand. The area was also expected to contain approximately two feet of fill, based on project area maps and the Final Maps of the Borough of Queens, Sections 139 and 140, 1919 and 1920. For instance, the contour line encompassing the project area shown on the 1919 and 1920 Section Maps, establishes an elevation of approximately 10 to 14 feet. The elevations listed on the current project area maps shows an elevation range from about 13.26 to 15.46 feet. For these reasons, assistance from backhoe trenching was used to assist the subsurface sampling.

Between one to four shovel tests were excavated in each of the lots for a total of 35 shovel tests for the entire area. Additional tests were attempted if a previous unit had been impeded by hardpacked earth or dense wood debris. All completed tests were excavated into the B horizon. The width of the units varied from about 1.5 to 2 feet (Plate 5).

Trenches were dug with the use of a standard backhoe or a bobcat (Plates 7, 8, and 10). Twelve trenches were excavated for the entire area, wherever it was logistically possible, considering the above mentioned impacts. The size of the trenches varied from about 17 to 38 feet in length. The width of the trenches also varied from about 1.6 to 2.8 feet. The trenches were excavated down to the surface of the A horizon where they were examined for intact features or artifacts. They were then further excavated into the top of the B horizon and examined for features and/or artifacts. The trenches were then excavated into the sterile portion of the B horizon and the side walls further examined. They averaged 2.5 to 3.5 feet deep. Two trenches, Trench #7 in Lot 35 and Trench #12 in Lot 1, were dug down to depths of 8 and 6.5 feet, respectively (Plates 3, 4, and 12). This procedure was done to break through the particularly thick modern dump and to test for the possibility of hydraulic fill. Six shovel tests were dug in the bottom of trenches # 1,5,7,9,10 and 11.

Shovel tests (ST's)and backhoe trenches (BT's) were situated as-folows:

Block 12135	Lot 45	ST's 8, 9, 10	BT 5
	Lot 46	none (covered with about 5 to 15 feet of backdirt)	
Block 12131	Lot 1	ST 19	BT 12
	Lot 10	ST's 20, 21, 22, 35	BT 11

	Lot 18	ST's 23, 24, 25, 26, 27, 34	BT 10
	Lot 34	ST's 1 and 5	BT 4
	Lot 37	ST's 2, 3, 4, 7	BT's 1 and 3
	Lot 40	ST 6	BT 2
Block 12133	Lot 35	ST's 15, 16, 17	BT 7 and 8
	Lot 37	ST 12	
	Lot 41	ST 14	
	Lot 43	ST's 11, 13, 18	BT 6
	Lot 51	ST's 28, 29, 30, 31, 32, 33	BT 9

See Figures 3 through 5 for the locations of the shovel tests and backhoe trenches.

Soil from the shovel tests was screened through  $\frac{1}{4}$ -inch mesh. Soil from the backhoe trenches was likewise screened, with samples taken approximately every five feet or less. Archaeologists wore gloves when screening through the oil contaminated soil.

Pedestrian surveys were conducted over the project area including the bottoms of the house foundations. This survey was to check for the possibility that prehistoric artifacts may have fallen in the course of the builder's excavation for those foundations.

Any artifacts or potential artifacts were collected and brought to the laboratory for processing and analysis. Obvious twentieth century garbage and undiagnostic artifacts, such as window-glass, modern bottle glass, unidentifiable metal debris, rubber, plywood, concrete, aluminum foil, aluminum siding, wire nails, plastic debris, sewer pipe, flowerpot, coal, crushed clam shell, charcoal, ash, modern tile, unmarked whiteware, chicken bone and tree branches, were noted and discarded.

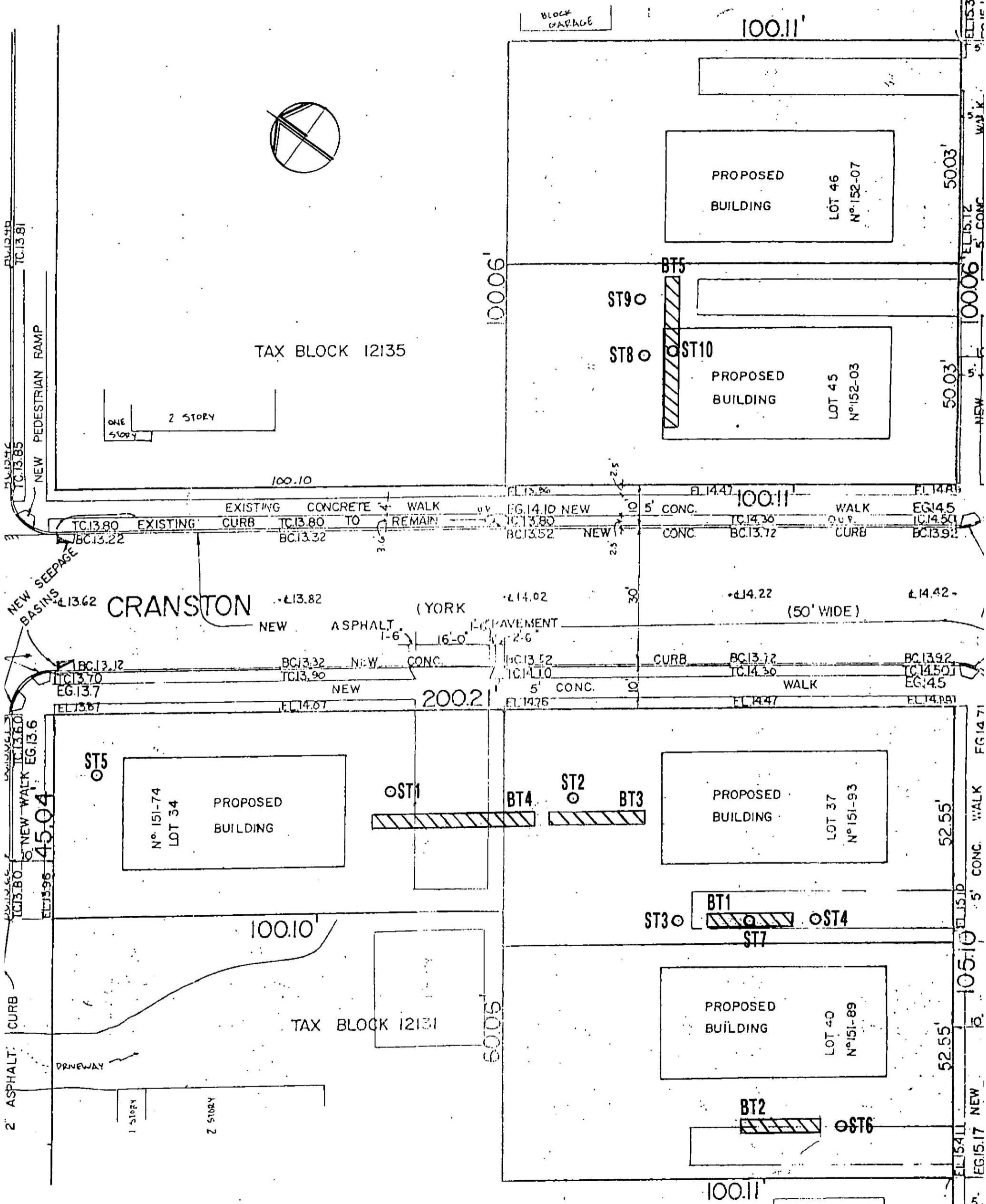


Figure 3 Locations of Shovel Tests and Backhoe Trenches within Block 12135 Lots 45 and 46; and Block 12131 Lots 34, 37 and 40. Scale: 20 feet = 1 inch. Taken from 1992 plans by Erlandsen-Crowell & Shaw.

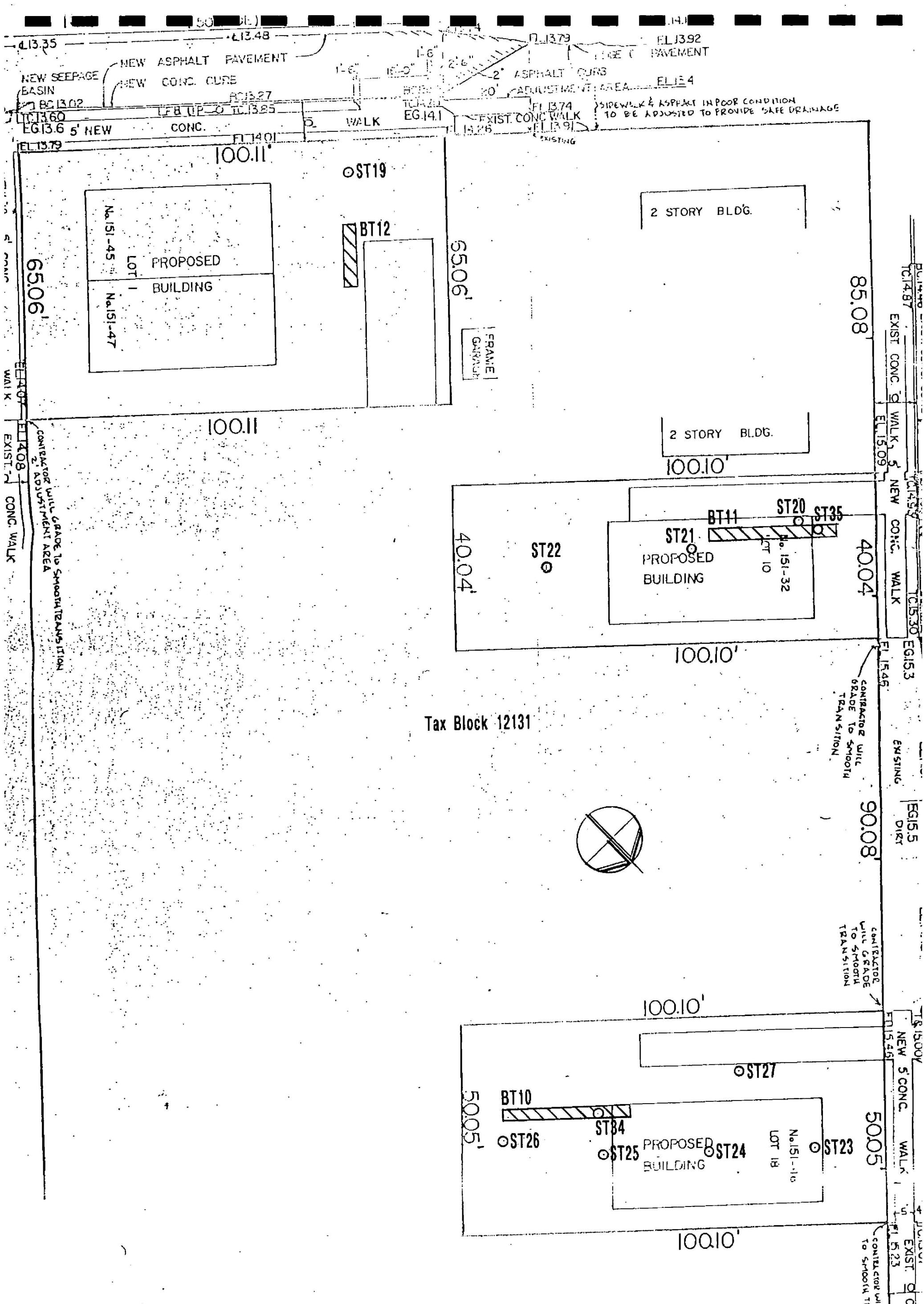


Figure 4 Locations of Shovel Tests and Backhoe Trenches within Block 12131 Lots 1, 10 and 18. Scale: 20 feet = 1 inch. Taken from 1992 plans by Erlandsen-Crowell & Shaw.

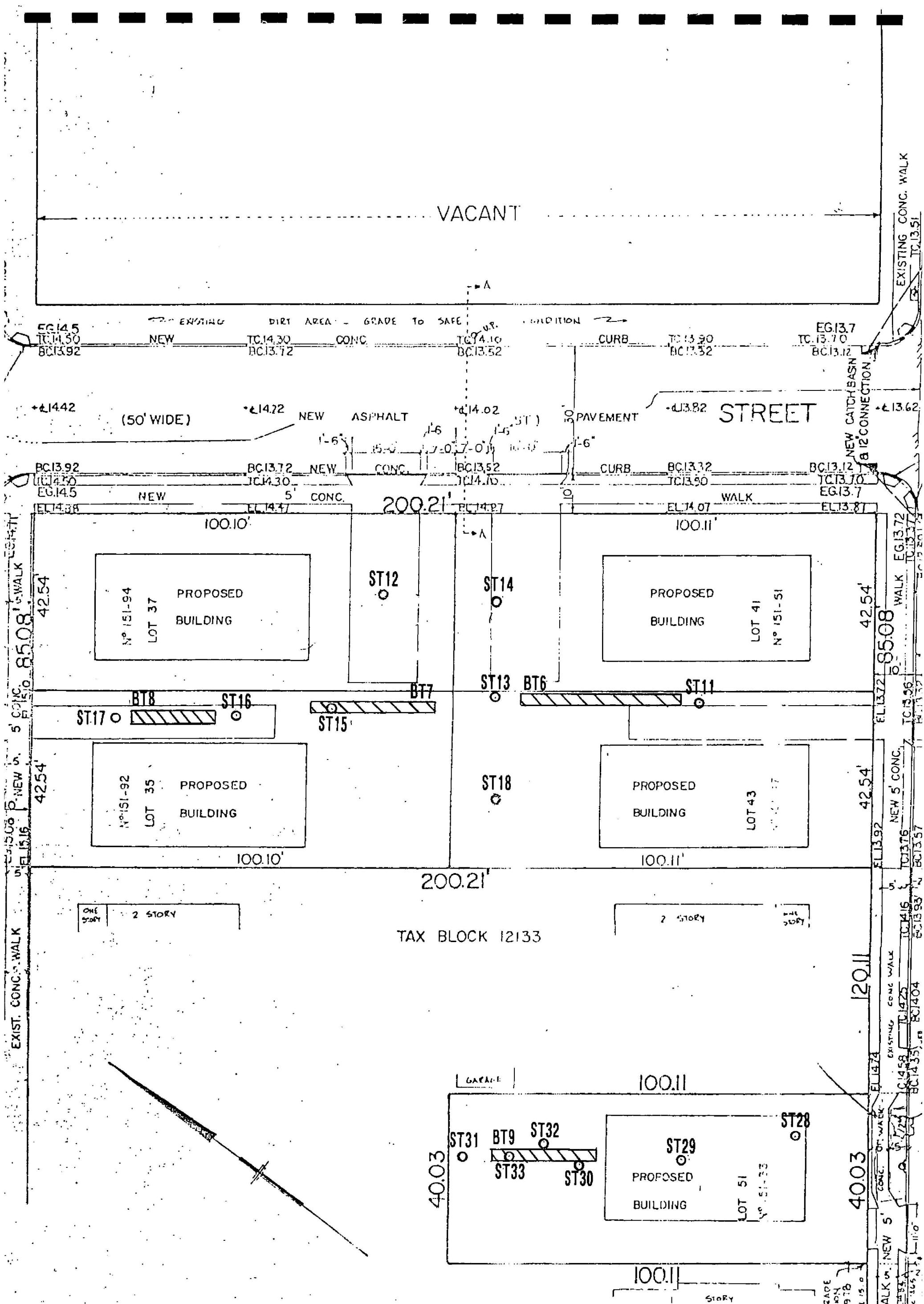


Figure 5 Locations of Shovel Tests and Backhoe Trenches within Block 12133  
Lots 35, 37, 41, 43 and 51. Scale: 20 feet = 1 inch. Taken  
From 1992 plans by Erlandsen-Crowell & Shaw.

## STRATIGRAPHY

Stratigraphy in the twelve project area lots investigated is summarized by the following tables. These are given on a lot by lot basis.

## Block 12135

Lot 45	0 - 0.7 feet	10YR4/4	sand-overburden
	0.7 - 1.0 feet	10YR 2/1	hardpacked loamy sand (including modern debris)
	1.0 - 2.0 feet	7.5YR5/8	A horizon sand
	2.0 - 4.4 feet	10YR6/6	B Horizon fine sand with gravel

## Block 12131

Lot 1	0 - 0.5 - 1.3 feet	10YR4/6 to 10YR5/8	sand overburden
	0.5 - 1.3 - 2.7 feet	10YR2/1 to 10YR3/2	hardpacked loamy sand (including modern debris)
	2.7 - 4.5 feet	7.5YR5/8	A Horizon hardpacked sand (including modern debris)
	4.5 - 6.0 feet	7.5YR5/8	B horizon coarse sand with gravel
	6.0 - 6.5 feet	10YR6/6	B Horizon coarse sand with heavy gravel

Lot 10	0 - 0.2 - 1.0 feet	10YR3/2 (sometimes mottled with 10YR4/6 and 10YR5/8)	compact loamy sand (including modern debris and sometimes mixed with overburden or B Horizon) A Horizon
	0.2 - 1.0 to 0.9 - 3.8 feet	7.5YR5/8 to 10YR5/8	loam sandy to compact sand (including modern debris) B Horizon
	3.8 - 4.7 feet	10YR6/6	coarse sand with heavy gravel B Horizon



Lot 18	0 - 0.5 - 1.0 feet	10YR3/2 to 10YR2/1	loamy sand (sometimes compact) (including modern debris) A Horizon
	0.5 - 1.0 - 3.6 feet	10YR5/8 to 7.5YR5/8	sand and loamy sand B Horizon
Lot 34	0 - 0.5 feet	10YR5/6 to 10YR3/2	loamy sand, overburden
	0.5 - 0.6 feet	10YR2/1 to 10YR3/2	hardpacked loamy soil (including modern debris) A Horizon
	0.6 - 1.0 - 2.3 feet	10YR4/2 to 10YR5/6	hardpacked loamy sand (impacted with some A Horizon mixing) B Horizon
	1.0 - 2.3 - 3.1 feet	10YR5/8 to 7.5YR5/8	loamy sand B Horizon
	3.1 - 3.3 feet	10YR6/6	coarse sand B Horizon
Lot 37	0 - 0.3 - 0.9 feet	10YR5/6 10YR5/8	loamy sand, overburden
	0.3 - 0.9 to 0.6 - 1.8 feet	10YR2/1	hardpacked loamy sand (including modern debris) A Horizon
	0.6 - 1.8 to 1.9 - 2.7 feet	10YR5/5	hardpacked loamy sand (including modern debris) B Horizon
	1.9 - 2.7 to 3.0 feet	7.5YR5/8	sand with gravel B Horizon



## Lot 40

0 - 0.6 feet	10YR5/8	loamy sand, overburden
0.6 - 1.9 feet	10YR2/1	hardpacked loamy sand (including modern debris)
		A Horizon
1.9 - 2.9 feet	10YR5/8	hardpacked sand
		B Horizon
2.9 - 3.3 feet	7.5YR5/8	sand with gravel
		B Horizon

## Block 12133

## Lot 35

0 - 0.6 - 1.0 feet	10YR4/6	sand overburden
0.6 - 1.0 to	10YR3/2	hardpacked loamy sand
0.9 - 4.5 feet		(including modern debris)
		A Horizon
0.9 - 1.3 - 2.3 feet	10YR5/8	hardpacked loamy sand
		B Horizon
2.3 - 4.5 to	7.5YR5/8	sand with gravel
2.5 - 6.0 feet		B Horizon
6.0 - 8.0 feet	10YR6/6	sand with gravel
		B Horizon

## Lot 37

0 - 0.9 feet	10YR5/8	hardpacked sand, overburden
0.9 - 1.0 feet	10YR3/2	hardpacked sand (including modern debris)
		A Horizon
1.0 - 1.7 feet	10YR5/8	hardpacked loamy sand
		B Horizon
1.7 - 2.4 feet	10YR5/8	loamy sand
		B Horizon
2.4 - 2.7 feet	10YR6/8	sand
		B Horizon



Lot 41	0 - 0.7 feet	10YR4/6	sand, overburden
	0.7 - 2.1 feet	10YR4/6	hardpacked sand (mottled with 10YR2/1 streaks) B Horizon (impacted with A Horizon mixing)
	2.1 - 2.8 feet	10YR5/8	sand with gravel B Horizon
Lot 43	0 - 0.4 - 1.3 feet	10YR6/6 to 10YR4/6	sand, overburden
	0.4 - 1.3 to 0.6 - 1.3 feet	10YR3/1 to 10YR3/2	hardpacked loamy sand (including modern debris) A Horizon
	0.6 -1.3 - 2.3 feet	10YR5/8	hardpacked sand to loamy sand with gravel B Horizon
	2.3 - 2.7 feet	7.5YR5/8	sand with gravel B Horizon
Lot 51	0 - 0.7 - 2.3 feet	10YR3/2 and 10YR2/1 and 10YR 3/4	loamy sand (sometimes compact) (including modern debris) A Horizon
	0.7 -2.3 - 3.6 feet	7.5YR5/8	compact sand (some inclusion of modern debris) Possible plow zone
	3.6 - 5.0 feet	10YR6/6	sand with gravel B Horizon



## ARTIFACT ANALYSIS

A total of eight artifacts were brought back to the Greenhouse Consultants' laboratory as having potential for information on historic manufacturing time range and activities conducted in the project area. The material was washed in room temperature water and slow air dried on drying racks within the laboratory.

The artifacts came from three contexts: 3013.02 (2), 3020.01 (4) and 3031.02 (2). Context 3013.02 had two pieces of white graniteware, one a plain rimsherd, the second decorated in an underglaze blue transfer print. Context 3020.01 contained four plain clay marbles. Context 3031.02 contained a sherd of white graniteware decorated in an underglaze transfer print blue. The second artifact was a piece of pearlware, again decorated in an underglaze transfer print blue.

The clay marbles can not be assigned to any specific historic period due to their lack of stylistic or technological attributes. The white graniteware ceramics present a similar case. The pearlware ceramic is datable from the end of the eighteenth to the first part of the nineteenth centuries, with transfer printing datable from 1787 to 1840 (Brown 1982: 5,7; South 1972; and Hume 1969: 128-30).

## RESULTS

No prehistoric artifacts were encountered. Initial results yielded the possibility of historic artifacts.

The shovel testing initially affirmed the lack of prehistoric artifacts and the overwhelming presence of modern debris impacting the A Horizon and extending into upper portions of the B Horizon (Plates 3, 5, and 11). The backhoe trenching basically confirmed the shovel test results.

To summarize the stratigraphy chapter, the depth of the A Horizon ranged from 0 to 2.7 below surface, the B Horizon ranged from 0.2 to deeper than 8.0 feet below surface. The A Horizon was generally a 10YR3/1 or 3/2 hardpacked loamy sand. The B1 Horizon was generally 10YR to 7.5YR5/8 hardpacked sand and loamy sand. The B2 Horizon was generally 10YR6/6 sand with gravel.

We believe that some of the original A Horizon may have been stripped off. We had expected to find a plowed Horizon (Ap) in at least part of the project area, based on the background research (Roberts 1993: 8). The A Horizon is very thin in some places and thick in other areas where modern trash is abundant. The remnant of this A horizon exists as a modern dump, containing such garbage as window glass, modern bottle glass, metal debris, rubber, plywood, concrete, aluminum foil, aluminum siding, wire nails, plastic debris, sewer pipe, flowerpot, coal, crushed clam shell, ash, tile, charcoal, modern ceramics, chicken bone, and tree branches. Also in the top layer were four ceramic marbles from Shovel Test 20, Context 3020.01, in Lot 10 on Block 12131. Although these marbles could be of nineteenth century origin, they continued to be available during the twentieth century. Lenses of shell were found in Block 12131, Lots 37 and 40, Shovel tests 4 and 6. They amounted to small lenses, about several inches long by a couple of inches wide and intermixed with modern artifacts such as window glass and wire nails. Any lenses of shell remains were carefully inspected for artifacts, features, fire cracked rock or any identifying agents of prehistoric value. None were found. The stratum also contains, in most areas, an oil-based smell. The smell was, at least in lots bordering Cranston Street (Block 12133: Lots 43, 41, 37 and 35 and Block 12131: Lots 34, 37 and 40 and Block 12135: Lots 45 and 46), quite powerful. Two sherds of white graniteware were recovered from layer 2 in Shovel Test 13, Context 3013.02 (Block 12133, Lot 43). This layer consisted of compact loamy sand from 0.4 to 0.6 feet below grade. These sherds of nineteenth century ceramics probably represent domestic debris disposed in fields, so this layer must include a remnant of the former plowzone. The same is true of layer 2 in Shovel Test 31, Context 3031.02 (Block 12133, Lot 51), a compact sand from 1.2 to 2.4 feet below grade. This layer produced one sherd of pearlware and one sherd of white graniteware. Some

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upper portions of the B Horizon contained such debris as: window glass, plastic and tile. The A and upper portions of the B horizons were often hardpacked, probably due to heavy equipment rolling across it.

Approximately 90 percent of the project area had been affected by the recent building of house foundations and associated earth moving, making it difficult to place backhoe trenches. House foundations measured approximately 50 feet by 28 feet and were set 5 feet into the ground. Other associated earth moving disturbances included backdirt and other dumping, earth stripping and ditch digging. The portion of the site which was not recently disturbed did not yield any potentially significant prehistoric or historic artifacts.

## CONCLUSIONS AND RECOMMENDATIONS

Although the project area lies in a archaeologically sensitive zone for prehistoric sites, no prehistoric artifacts or features were encountered. The project area had been heavily impacted, both during the past part of the twentieth century and again, recently. If a prehistoric site had been situated here, it has undoubtedly been destroyed with the disturbances to the A and upper portions of the B soil horizons in the past. Recent earth moving activities make it difficult to judge the extent of the former disturbances. A few nineteenth or late eighteenth century ceramic sherds were found on Block 12133. These must represent a remnant of the former plowzone from the Stoothoff farm. The Stoothoffs owned this farm from 1815 through 1895 (Roberts 1993: 9). While some of the former plowzone was evidently stripped off this land, at least some remnants remain. The ceramics found were probably evidence of the disposal of refuse from the farm in the fields. Since no structures or other features from the nineteenth century were found, and very few nineteenth century artifacts were recovered, we are not considering these deposits to be a potentially significant historic site. No further work is recommended for this project.



Plate 1 Block 12135, Lot 45 & 46 looking north



Plate 2 Block 12133, Lot 41 & 43 looking west



Plate 3 Block 12133, Lot 35 looking north at BT 7



Plate 4 Block 12133, Lot 35 looking at west wall of BT 7



Plate 5 Block 12131, Lot 37 facing south, ST 3



Plate 6 Block 12131, Lot 37 looking north



Plate 7 Block 12133, Lot 51 looking north at BT 9



Plate 8 Block 12131, Lot 18 looking south at BT 10



Plate 9 Block 12131, Lot 10 looking west at wall in ditch



Plate 10 Block 12131, Lot 10 looking north at BT 11



Plate 11 Block 12131, Lot 1 looking east at Earth Wall  
cut by backhoe for house foundation



Plate 12 Block 12131, Lot 1 looking east at BT 12



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Maps

Erlandsen-Crowell and Shaw

1992 *Project Area Plans, sheets 1-4. Jamiaca, New York*

City of New York, Borough of Queens, Office of the President, Topographical Bureau

1919 *Final Maps of the Borough of Queens, Section 139.*

1920 *Final Maps of the Borough of Queens, Section 140.*

United States Geological Survey

1966 *Jamaica, N.Y. Quadrangle. 7.5 minute series topographic map.*

Photorevised 1979.



## APPENDIX I

### Field Forms

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : <u>Baptist Church</u>		COORDINATES : Block 12131 (2.25) Lot 37			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
AC	AC	✓	✓	11-2-93	ST 1
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .6	modified & hard packed sand	10YR 5/6 10YR 7/8	mod. glass	
2	.6 - 1.6	modified & hard packed sand	10YR 7/8 10YR 4/6	mod. glass	
3	1.6 - 2.3	hard pack sand vert. 1/2 inch Amish brick	10YR 7/8	natural brick PVC pipe, concrete	
4	2.3 - 3	sand	10YR 5/8	natural	
5	3.1 - 2.3	brownish yellow coarse sand	10YR 4/6	natural	
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Black vertical cut streaks down ~1.5' shows disturbance. This being Lot 37 the vertical cut streaks down ~1.5' shows disturbance. This being Lot 37 the vertical cut streaks down ~1.5' shows disturbance. This being Lot 37					
Cross Refs :					
Plan	Photos ✓				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : <u>Baptist Pond Park</u>		COORDINATES : Block 12131 / Lot 37			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
AC	AC	FBC JQ	Y4 "min	11-3-93	ST 2
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 3	Loose Loamy sand with some gravel	10YR 6/8	modern; unpaved area; construction material	Fill
2	.3 - 1.6	Hard-packed Loamy sand	10YR 8/11	construction material; unpaved area; construction material	Contamination with different types of fill
3	.6 - 1.9	Hard-packed Loamy sand	10YR 4/6	wire mesh metal frags; concrete	Fill
4	1.7 - 1.9	Hard-packed Loamy sand	10YR 8/11	modern; unpaved area; discarded	Fill
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Provide to Continue survey to soil compaction area large tests. 22' South of ST 2 is foundation (Lot 34). Size of unit 11'8" x 9' in diameter. Vegetation consisted of weeds, overgrown grass, poison ivy.					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Bristley Ford Park		COORDINATES : Block 12131 / Lot 37			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
AC	JQ FBC		Y4 mesh	11-3-93	ST 3
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 0.9	mottled loose loamy sand	104E416 518	modern window glass, container pieces, discarded	Fill
2	.9 - 1.2	Hard packed oil contaminated loamy sand	104R 211	modern glass, container pieces, discarded	Fill
3	1.2 - 1.3	Hard packed loamy sand	104R 410	modern window glass, discarded	Fill
4	1.3 - 2.4	Hard packed loamy sand	104R 518	N.C.M	Fill / disturbed bed 3 horizon
5	2.4 - 3.0	Loose with some debris	104R 518	N.C.M.	undisturbed
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Size of ST 2.1 X 1.8 ST 3 located between foundations (lot 37) and lot 40. Vegetation: Weeds, rice weeds, grass, sassafras. Area has been stripped of soil by tractor.					
Cross Refs :					
Plan	Photos ✓ #14				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Bristley Ford Park		COORDINATES : Block 12131 / Lots 37 & 40			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
AC		FBC JQ	Y4 mesh	11-3-93	ST 4
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 1.5	loose loamy sand with gravel	104R 518	modern window glass, plastic containers	fill
2	.45 - 1.3	Hard packed loamy sand	104R 412	container pieces, modern window glass, discarded	Fill
3	1.3 - 1.5	Hard packed loamy sand	104F416 518	ash, shell, modern window glass, discarded	Fill
4	1.5 - 1.7	Hard packed contaminated loamy sand	104R 211	modern container pieces, discarded	Fill
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Size of ST 2.0 X 1.6 Unable to continue digging due to compaction of soil. Vegetation: grass, weeds, discarded. ST 4 located between 2 foundations (lot 37 & 40)					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : B91st, Fort		COORDINATES : Block 12131 / Lot 34			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	AC		11-3-93	ST 5

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .5	medium sand	10YR 2/2 10YR 3/2	mod. glass cinder	10% Fm. st.
2	.5 - 1.3	gravelly or silty sand	10YR 3/2 10YR 3/2	mod. gravelly cinder	-10% cinder
3	1.3 - 2.9	loamy sand	10YR 5/2	silica	
4					
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

Cross Refs :

Plan

Section

Photos

Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Basilev Pond Park		COORDINATES : Block 12131 / Lot 43			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	JQ FBC		1/4" mesh	11-2-93

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .4	Loamy sand intergravel	10YR 5/2	modern silica cinder ash	excavated area Till
2	.4 - 1.9	Hard packed contaminated loamy sand	10YR 2/1	modern silica cinder ash	contaminated area
3	1.9 - 2.9	Hard packed sand	10YR 5/2	10% silica	-1/2 silica ash, construction
4	2.9 - 3.6	Loamy sand intergravel	10YR 5/2	N.C.M.	Subsoil Erosion
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.) 5120 ft unit 1.9 x 1.7

Vegetation: Weeds, Potwood, grass.  
Area has been disturbed by building, gas line company installation of foundations.

Cross Refs :

Plan

Section

Photos

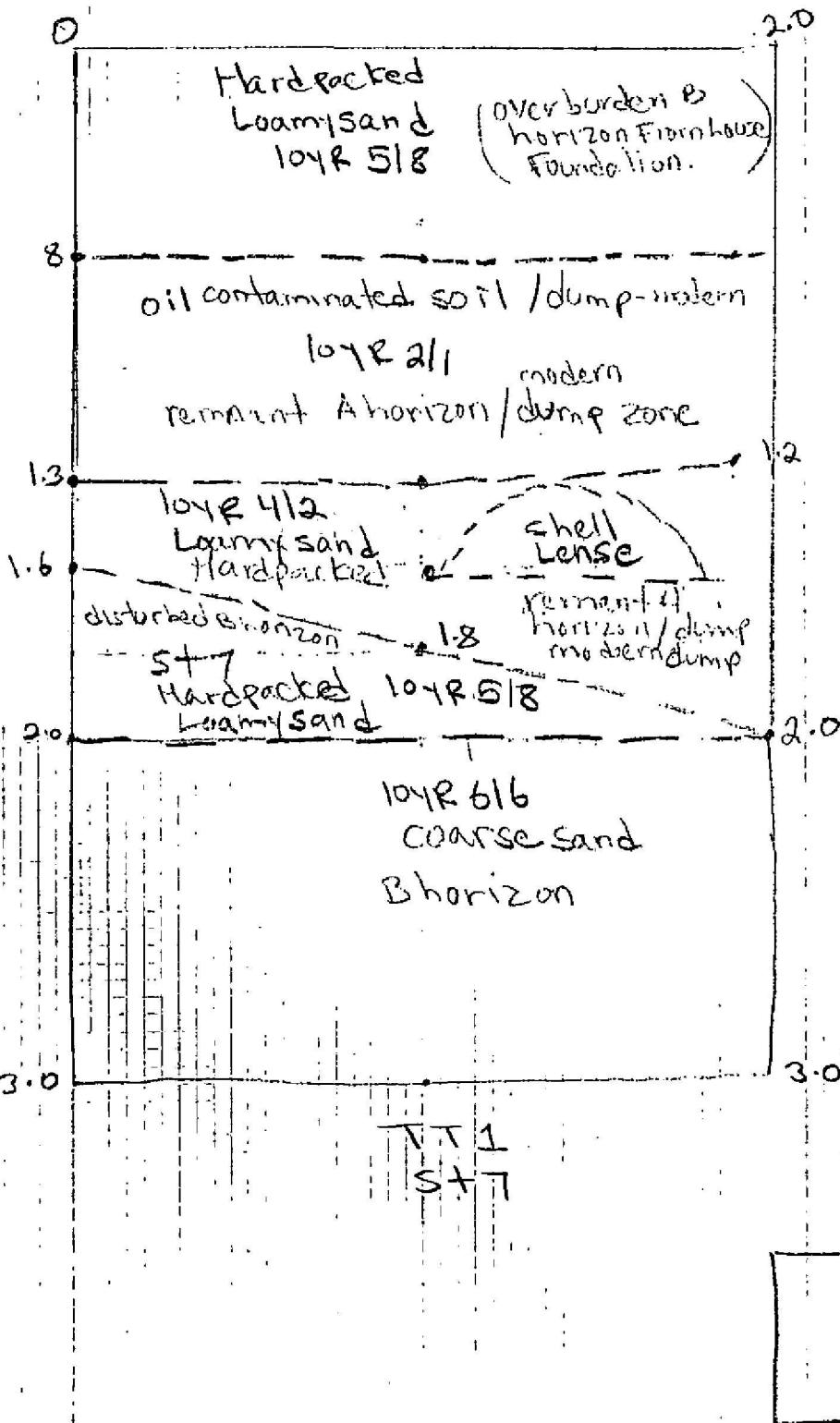
Notebook

Site W-1

Bensley Landfill

between  
Block 12131 Lots 13 7 & 40

St 7



SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Basiley Road		COORDINATES : Bx 151 S 17 E 17			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	FEC J.R.	Y4"	11-2 13	ST 7
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	1.6 - 2.0	Hair & Pottery Lining (no w/) Some charcoal	101 R 2/2	Modern Worn Plastic Article	Antler
2	2.0 - 3.0	Brick & Pottery Snow Melt Charcoal	7-5 YR 2/2	Slate Sands	E - 11
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Vegetation : grass weeds, 12' N.E. of test.					
ST 7 (one end of test trench). Beginning 1.6					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Basiley Road		COORDINATES : Bx 151 S 17 E 17			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	J.R.	Y4"	11-2 13	ST 7
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 1.7	Soil			Modern Worn
2	1.7 - 2.1	Brick 1" dia.	101 R 2/2	Brick Worn	Charcoal
3	2.1 - 2.8	Soil	101 R 2/2		
4	2.8 - 3.2	Brick	101 R 2/2		
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Soil					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT :		COORDINATES : 12125 5075			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
Ac	FEC	JD	Y4	1-2-12	ST-1

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .7	Lev. sand	WHR Y14	Wood Glass	Screened
2	.7 - 1.4	Dark brown Material	WHR Y14	Window glass	Fill
3	1.4 - 2	Light brown	WHR Y14	Wood	
4	2.3 - 2.6	Sand	WHR Y14	Wood	
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)  
 A lot of artifacts found. Some small bone fragments.  
 1-21.

Cross Refs :	
Plan	Photos
Section	Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT :		COORDINATES : 12125 5075			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
Ac	FEC	JD	Y4	1-2-12	ST-10

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	2.1 - 4.4	Fine sand layered	WHR Y16	Wood	
2					
3					
4					
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)  
 st location in TTS. Very flat area

Cross Refs :	
Plan	Photos
Section	Notebook

Southern Blot 135

59

57

0

0.1000 dilution  
Rabbit serum  
dilution 1:10000  
Antisera dilution

15E18

15E11

Chorion

23E201

3E6

3E9

Sp1

Sp2

Sp3

Sp4

10E6/6

Sp5

Sp6

10E6/6

Sp7

Sp8

1

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : <i>Baileys</i>		COORDINATES : Block 12133 / Lot 43			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	EQ FBC	Y4	11-4-93	JT 11
STRATIGRAPHY.:					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 1.3	loose sand	104R 5/6	modern window frames, tin cans, plastic shoe covers	Mottled w/ 104R/21 staining along unit
2	1.3 - 2.6	compact loamy sand	104R 4/6	NCM	Mottled w/ 104R/21 sting unit
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) SIZE OF UNIT 2.6X2.2 * pieces animal bone - all modern material were located in unit 4 was discarded (plastic, pieces of plate, pieces of shell) still located between lot 41 & 43. B horizon impacted by fill.					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : <i>Baileys Park</i>		COORDINATES : 435.6			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC		✓	11-4-93	ST 12
STRATIGRAPHY.:					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .9	loose fine sand	104R 5/6		overlaid by 2nd horizon located near boundary
2	.9 - 1.0	loose fine sand	104R 5/6		compact A horizon
3	1.0 - 1.7	moderately loamy sand	104R 5/6		moderately loamy sand
4	1 - 2.4	loamy sand	104R 5/6		
5	2.5 2.8	loamy sand	104R 5/6		
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) SIZE OF UNIT 1.7X1.7					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : 25' N 41' W KIC		COORDINATES : 25°N 41°W KIC 12133 25' N 41' W Posthole 11 N 11 E 43			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	FBC JG	Y4	11-4-93	ST13
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .4	Loose Sand	loyp 6/6	no cult. material 2-3 cm top	not tested by C16 F11
2	.4 - .6	Hard packed loamy sand	loyp 3/1	worn material 3-4 mm bottom	disturbed C profile fill
3	.6 - 1.2	Hard packed sand (whitish)	loyp 5/2	N.C.M	disturbed E horizon
4	2.2 - 2.9	Loose soil 2-3 mm bottom	7.5yk -12	N.C.M	stable E horizon
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Vtg - W USA; 25' N 41' W Posthole 11 N 11 E 43 Size of unit 2.0 x 1.8 Level 1 - overburden from E horizon.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : BAKER POND		COORDINATES : 25°N 41°W KIC 12133 / Lot 41			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	JQ FBC	Y4	11-4-93	ST13
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 1.7	Soil Sand	loyp 4/6	N.C.M	overburden top 2.5m level
2	1.7 - 2.1	Hard packed	loyp 4/6	N.C.M	medium soil sample
3	2.1 - 2.8	Coarse sand (worn)	7.5yk 5/6	N.C.M	stable E horizon
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Size 1.9 x 1.9 Area has been strip mined (8' topsoil removed and discarded). 25' N 41' W Posthole 11 N 11 E 41.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Bay - Sand		COORDINATES : Lot 35 11-4-83			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	FEC	Y41	11-4-83	ST15
STRATIGRAPHY.:					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 1.0	Loose Sand	10YR3/1	N.C.M	200g dry sand 3 horizon from bottom of test
2	1.0 - 1.3	Hard Packed Loamy Sand	10YR2/2	Wet sand wettest part near bottom	dominated by fine gravel
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) S16 located between 35 & 37 - large area of hard packed soil 12x18' garage. 1.9 x 1.9 ST15 25' North of ST14 & 25' South of Lot 37.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Bay - Sand		COORDINATES : Block 12133 / Lot 35			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	FEC JW	Y41	11-4-83	ST15
STRATIGRAPHY.:					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 1.7	Sand	10YR4/4	N.C.M	100g dry sand 1.5m to top of hard packed layer
2	1.7 - 2.0	Plate packed Loamy Sand	10YR 5/2	N.C.M	prob. dredge fill
3	2.0 - 2.2	Hard packed Loamy Sand	10YR 5/2	N.C.M	"
4	2.2 - 2.5	Coarse Sand Gravel	10YR 5/2	N.C.M	gravel gravel
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) ST16 between 35 & 37. ground has been stripped. ST16 located between lots 35 & 37 and 22' south of ST17.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : B.E.P.			COORDINATES : Block 12133 S.E. 35		
SITE :	SUPERVISOR : A.C.	EXCAVATOR : E.C.	SCREENED ?	DATE : 14-7-93	TEST TYPE AND NO. : ST 17

## **STRATIGRAPHY. :**

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .6	Sand	104E 4/6	modern unexcavated artifacts	overlying strata w/ 312
2	.6 - 1.9	Fragipane Loamy Sand	104E 3/6	N.C.M.	soil-like fill
3	1.9 - 2.5	Fragipane Sand	104E 3/6	N.C.M.	" A - 2 cm
4	-3-3.1	" loam & sand intermixed"	104E 5/6	N.C.M.	304E 1 5.9. C.
5					
6					
7					
8					

- Give depths relative to ground surface

**General Notes :** (Note if cult. material retained, and if soil samples are taken.) CIR 2000-27-14X19  
Beneath vegetation, over soil.

\* Observations from Princeton University, 15 km NW of Princeton,  
Princeton County, June. Site located 22' NNE of ST 16.

**Cross Refs :**

Plan

## Section

Photos

## Notebook

**SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests**

PROJECT : <u>B-24 Bank</u>	COORDINATES : <u>Block 12183 L-10</u>				
SITE :	SUPERVISOR : <u>X</u>	EXCAVATOR : <u>FEC</u>	SCREENED ? <u>Y</u>	DATE : <u>11-4-92</u>	TEST TYPE AND NO. : <u>ST18</u>

## STRATIGRAPHY. :

LAYER	DEPTH •	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .7	Sand	10% 416	Mod. 10 S. 120?	... 11-11
2	.7 - .9	Lenses of Loamy Sand	10% 316	Mod. 10 S. 120?	... 11-11 mod. fine grained. Full
3	.9 - 2.3	Wet Loamy Sand	10% 516	Mod. 10 S. 120?	WET, GOOD
4	2.3 - 2.7	Coarse Loamy Sand	10% 16	H. r.	... 11-11
5					
6					
7					
8					

\* Give depths relative to ground surface

**General Notes :** (Note if cult. material retained, and if soil samples are taken.) **Site 12X1-9**  
also has been sampled in previous  
excavations. Surface soil  
Vegetation - grass, weeds.

**Cross Refs :**

Plant

## Section

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : <u>Bailey Pond Park</u>		COORDINATES : Lot 1 Bi 12131			
SITE :	SUPERVISOR : <u>AC</u>	EXCAVATOR : <u>FBC</u> <u>JQ</u>	SCREENED ? <u>✓</u>	DATE : <u>11-5</u>	TEST TYPE AND NO. : <u>ST 19</u>
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .5	mottled sand	10YR 4/6 10YR 5/6	modern debris	
2	.5 - 1.0	bumpy sand hard rock	10YR 4/2	"	
3	1.0 - 1.5	very hard pink calcareous sand	10YR 2/1		(in pen stroke)
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) ST. 213 x 2.4 wide Backhoe trench for foundation wall shows this lot to be imported down into the B horizon, approx 4.5'					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : <u>Bailey Pond Park</u>		COORDINATES : Lot 10			
SITE :	SUPERVISOR : <u>AC</u>	EXCAVATOR : <u>FBC</u> <u>JQ</u>	SCREENED ? <u>Y41 mesh</u>	DATE : <u>11-8-93</u>	TEST TYPE AND NO. : <u>ST 20</u>
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1.0	Slightly loamy compact sand	10YR 4/6 4/6	modern debris	modified with 10YR 2/1 and 5/6 P11 - A horizon
2	1.0-2.6	Sand w/ gravel	10YR 5/6	NCR SUS 50/1	B horizon
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Size 0FST + 2.2 x 1/2 ST 20 Located 24' west of East fence & 18.5' south of North fence vegetation: weed, grass, Pokeweed, leaf mulch. No foundation has been put in this lot.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Balsley Pond Park		COORDINATES : Lot 10			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	FBC JQ	Y41	11-8-93	ST21
STRATIGRAPHY.:					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 1.0	Disturbed layer loamy sand	loose medium yellowish	Indistinct debris discarded	"
2	1.0 - 1.9	Slightly compact loamy sand	154R 518	on top window glass discarded	B horizon
3	1.9 - 2.5	Coarse sand w/ gravel	101P 515	gravel	"
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.)					
St located in trench dug by backhoe. A horizon fell back into the hole. St 22 - located 33' south of St 21.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Balsley Pond Park		COORDINATES : Lot 10 / Block			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	FBC JQ	Y41	11-8-93	ST22
STRATIGRAPHY.:					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 2	Loamy sand	101E 3/2	moderately coarse gravel	"
2	2 - 9	Slightly compact sand	154R 518	N.C.M	B horizon
3	.9 - 1.7	Coarse sand w/ gravel	101E 6/6	N.C.M	"
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.)					
General Notes : (Note if cult. material retained, and if soil samples are taken.) St located in trench dug by backhoe. A horizon fell back into the hole. St 22 - located 33' south of St 21.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Parsley Pond Park		COORDINATES : Lot 18 / Block			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	
	AC	FBC JQ	Y4"	11-8-93	
TEST TYPE AND NO. : St 23					
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1.1	wood dump Loamy sand	10YR 211	modern garbage	Fill
2					
3		- Impeded by Roots			
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Impenetrable - large root, cannot proceed w/o digging. X window glass, pieces of rubber, metal fragments, plastic - discarded. St 23 located 25' south of St 22.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Parsley Pond Park		COORDINATES : Lot 18			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	
	AC	FBC JQ	1/4" mesh	11-8-93	
TEST TYPE AND NO. : St 24					
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1.0	Loamy sand	10YR 211		modern window glass, records, root - discarded
2					
3					
4		- Impeded by large Roots and modern garage			
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) SIZE 30 X 18 Vegetation consists overgrown weeds and grass. A horizon = living horizon St 24 located 25' south of St 23.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Balsley Pond		COORDINATES : Lot 18 / Block			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	JQ FBC	Y4"	11-8-93	ST25
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 1	Sod			
2	.1 - .5	compact loamy sand	104R312	Terracotta, windowglass	discarded
3	.5 - .8	compact loamy sand	104R314	N.C.M	
4	.8 - 2.8	loose loamy sand Ratt stains	7154R 50	N.C.M	B horizon
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) N.C.M - no cultural material. Vegetation: grass, weeds, Pokeweed. ST25 located 25' South of ST24.					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Balsley Pond Park		COORDINATES : Lot 18			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	FBC JQ	Y4" mesh	11-8-93	ST26
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .6	Loamy sand	104R 312	modern window glass	disturbed layer.
2	.6 - 2.7	Loamy sand w/ gravel	7154R 518	N.C.M	subsoil horizon
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) ST 26 located 23' East of west fence Vegetation: Pokeweed, grass, weeds.					
Size of Unit 2.0 x 18'					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : S-100-3-2-5		COORDINATES : L-2418			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE : 11-8-13 TEST TYPE AND NO. : ST-07	
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1	Loamy sand	tan 3/6	soil clay	wood charred burnt
2	-1-1.4	Loamy sand with wood charred	tan 3/6	soil clay	wood charred burnt
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) could not continue digging - interrupted by rock - no soil soil stuck to shovel - hard - 11-8-13					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : B-100-3-0		COORDINATES : L-2418			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE : 11-8-13 TEST TYPE AND NO. : ST-08	
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1	Loamy sand	tan 3/6	soil clay	wood charred burnt
2	-1-1.4	Loamy sand with wood charred	tan 3/6	soil clay	wood charred burnt
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) could not continue digging - interrupted by rock - no soil soil stuck to shovel - hard - 11-8-13					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Baisley Pond Park		COORDINATES : Lot S1			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
AC	FBC JQ	Y4" mesh	Y4"	11-8-93	S129
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .4	Loamy sand	10YR 3/4	modern window glass discarded	
2	.4 - 1.2	Compacted Loamy sand	10YR 3/4	modern garbage discarded	Wood dump Trash dump
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Size 1.7 X 1.7 Vegetation : overgrown weeds and grass. Some artifacts: pieces of asphalt, brick, green container glass, metal pipes, concrete pieces of asphalt, brick, green container glass, metal pipes, concrete discarded.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Baisley Pond Park		COORDINATES : Lot S1			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
AC	FBC JQ	Y4"	Y4"	11-8-93	S130
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .6	Compacted Loamy sand	10YR 3/4	modern garbage	mixed w/ 3/4
2	.6 - 1.3	Hard packed Loamy sand	10YR 3/4	modern garbage	wood dump
3		No. 1 Porous loam			shovel
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) Size 1.6 X 1.6 modern artifacts included : pieces of asphalt, weeds, grass, metal pieces, lost discarded. vegetation - same as at S129.					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Brinsley Pond Park		COORDINATES : Lot 51			
SITE :	SUPERVISOR : AC	EXCAVATOR : FBC AC	SCREENED ? : Y 4" mesh	DATE : 11-8-93	TEST TYPE AND NO. : ST 31
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1.2	Trash level Wood debris, Inorganic	1042 312	garbage	
2	1.2-2.4	Slight compact Sand	1042 512	Paved ceramic	BIM 3"
3	2.4-2.8	coarse sand	7154R 512	N.C.M	
4		/	/	/	
5		/	/	/	
6		/	/	/	
7		/	/	/	
8		/	/	/	
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) ST 2000 - 1.7 X 1.5' 1/2' below ground consist of overgrown weeds and grass. ST 31 located 25' North of ST 30.					
Cross Refs :					
Plan	Photos				
Section	Notebook				

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Brinsley Pond Park	COORDINATES : Lot 51				
SITE :	SUPERVISOR : AC	EXCAVATOR : FBC JR	SCREENED ? : Y 4" mesh	DATE : 11-8-93	TEST TYPE AND NO. : ST 32
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1.7	Soil Posthole Wetland	1042 312	mod. 11 garbage	mod. 11 garbage 1" thick
2					
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) ST 32 1.7 X 1.5' Unstable (post) due to compaction & sand roots.					
Cross Refs :					
Plan	Photos				
Section	Notebook				

## SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT :		COORDINATES : Lot 12			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	FBC	Y	10-2-85	3433

## STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	15-6	soil	7-8 ft brown	modern no artifacts	
2	3.5-3.0	loam	10-12 ft brown	10-11	
3					
4					
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

located in TTQ marble east wall.

## Cross Refs :

Plan

Photos

Section

Notebook

## SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT :		COORDINATES : Lot 12			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
		FBC	Y	10-2-85	3434

## STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	6.0-6.0	soil	10-12 brown	modern no artifacts	
2	3.0-2.5	coarse sand	10-12 brown		
3					
4					
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

located in TTQ marble east wall.  
screened backfill with screen.

## Cross Refs :

Plan

Photos

Section

Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : <u>H. M. Fredrick</u>		COORDINATES : <u>Lat 10</u>			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	<u>AC</u>	<u>FEC 52</u>	<u>Y4"</u>	<u>11-9-73</u>	<u>ST 35</u>
STRATIGRAPHY :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	3.3 - 3.5	Coarse sand with some silt	Tan grey	Very	3 horizon
2	3.7 - 4.7	Coarse sand with some silt	Tan grey	Very	"
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.) <u>Soil sample T11</u>					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Balsley Pond Park		COORDINATES : 121311/Lot 37			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	Backhoe	Y4" mesh	11-3-93	TT1

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .8	Hard packed Loamy sand	104R 518	Modern fragments - discarded	overlaid horizon
2	.8 - 1.3	Contaminated Loamy sand	104R 211	modern fragments	Modern dump
3	1.3 - 1.6	Loamy sand Hard packed	104R 410	Modern debris	shell fence crushed
4					
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

17' long X 2.8 wide  
scratched backfill every 5 feet. encountered modern artifacts -  
discarded

Cross Refs :

Plan

Photos

Section

Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

Near

PROJECT : Balsley Pond Farm		COORDINATES : Lot 40 / Block 12131			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	Backhoe	Y4" mesh	11-3-93	TT2

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .6	loose Loamy Sand	104R 518	modern fragments	overburden overburden concrete discarded
2	.6 - 1.8	Hard packed Contaminated Loamy sand	104R 211		↓ F11
3	1.8 - 2.7	Hard packed sand	104R 518	N.C.M	disturbed horizon
4	2.7 - 3.0	Coarse Gravel 104R 518		N.C.M	natural
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

17' long X 2.8 wide  
scratched backfill every 5 feet. Encountered modern  
artifacts - discarded

Cross Refs :

Photos

Section

Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Baileys Pond Park		COORDINATES : Block 12131/Lot 37		
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :
	AC	Backhoe	Y4" mesh	11-3-93
				TEST TYPE AND NO. : TT3

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .4	hard packed loamy sand	loamy 516	mod. glass	FILL
2	.4 - .8	moistened hard packed loamy sand	loamy 516	mod. glass	FILL
3	.8 - 1.9	hard packed loamy sand	loamy 516	N.C.M.	disturbed 2' x 2'
4	1.9 - 3.0	Sand w/ gravel	75% R 516	N.C.M.	interral 6' x 2'
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

21' long x 2.8'  
Screened back dirt every 5 feet. Encountered modern artifacts.  
Artifacts discarded

Cross Refs :

Plan

Section

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Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Baileys Pond Park		COORDINATES : Block 12131/Lot 34		
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :
	AC	Backhoe	Y4" mesh	11-3-93
				TEST TYPE AND NO. : TT4

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .35	Loose Loamy Sand w/ some nails	loamy 516		Modern washing 11-3-93
2	.35 - .6	Hard packed loamy sand	loamy 516		Soil w/ 11-3-93
3	.6 - 1.0	Hard packed loamy sand	loamy 516		Soil 11-3-93
4	1.0 - 2.0	COARSE SAND	75% R 516	N.C.M.	3' hole 11-3-93
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

36' long x 2.8'  
Encountered modern artifacts.  
Screened back dirt every 5 feet.  
Discarded.

Cross Refs :

Plan

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SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Bawley Pond Park		COORDINATES : lot 45 / Block 12133		
SITE :	SUPERVISOR : AC	EXCAVATOR : Backhoe	SCREENED ? : Y4"	DATE : 11-3-93 TEST TYPE AND NO. : TTS

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .7	Loose sand wet	lo4R 4/4	modern garbage	overburden
2	.7 - 1.0	Hard packed contaminated soil - trashy	lo4R 211	Crusted window glass fragments	Fill
3	1.0 - 2.0	Sand	754R 518	NCM	few - few fragments
4	2.0 - 2.2	Coarse sand	lo4R 518	NCM	few - few fragments
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

34' long X 21.8 wide  
Screened back dirt every 5 feet. window glass, container glass,  
plastic, plastic discarded.

Cross Refs :

Plan

Section

Photos

Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Bawley Pond Park		COORDINATES : Block 12133 / lots 43		
SITE :	SUPERVISOR : AC	EXCAVATOR : Backhoe	SCREENED ? : Y4"	DATE : 11-4-93 TEST TYPE AND NO. : TT6

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - .9	Loose sand	lo4R 6/6	modern garbage	overburden B horizon
2	.9 - 1.3	Hard packed Loam/Soil	lo4R 311	modern garbage	Fill
3	1.3 - 2.0	Hard packed sand/clayey	lo4R 518	NCM	331... 332 3 - 0.1 - 2.0
4	2.0 - 3.0	Loose loamy sand/clayey	754R 518	NCM	3 - 0.1 - 2.0
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

38' long X 24' wide  
screened every 5 feet of back dirt. Encountered modern  
artifacts - discarded.

Cross Refs :

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## SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Baileyston Pond Park		COORDINATES : Block 12133/Lot 35			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	Backhoe	Y/N fresh	11-4-93	TT7

## STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - +3	Sand moderately water-saturated	Tan & 416	moderately fresh	0.11' disturbed 8' max top
2	-2 - 4.5	Water-saturated Foamy sand mud	Tan & 312	moderately water-saturated	FII / Arrowhead
3	4.5 - 6.0	Sandy silt	Tan & 518	N.C.M.	moderately water-saturated
4	5.0 - 8.0	Coarse sand mud	Tan & 63	N.C.M.	moderately water-saturated
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

13.6' long x 2.8 wide ~ 3' deep.  
 Screened back dirt, trees, rotten wood, no dense artifacts,  
 Some trash, plastic, litter discarded

Cross Refs :

Plan

Section

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Notebook

## SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Baileyston Pond Park		COORDINATES : Lot 35			
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	Backhoe	Y/N fresh	11-4-93	TT8

## STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - +7	Sand	Tan & 416	moderately fresh	"moderately disturbed"
2	.7 - 1.2	moderately loamy sand	Tan & 512	N.C.M.	FII
3	1.2 - 2.0	moderately loamy sand	Tan & 512	N.C.M.	moderately disturbed
4	2.0 - 2.6	coarse sand	Tan & 512	N.C.M.	moderately disturbed
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

20' X 2.4 wide  
 Striated surface ~ 1' thick.

Cross Refs :

Plan

Section

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SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Brushy Pond		COORDINATES : Lot 51			
SITE :	SUPERVISOR : AC	EXCAVATOR : Backhoe	SCREENED ? <u>Y</u> / <u>N</u>	DATE : 11-9-93	TEST TYPE AND NO. : TT9
STRATIGRAPHY. :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-2.3	compact loamy sand	104R 312	windrows mud	Fill
2	2.3-3.0	loamy sand	104R 312	N.C.M.	
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.)					
<p>TT9 = 25 long x 1.6 wide</p> <p>Screened backfill for artifacts. This is a spoil pile.</p> <p>11' of TT9 broken into 7' &amp; 3' piles</p>					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Engleboro		COORDINATES : Lot 112			
SITE :	SUPERVISOR : AC	EXCAVATOR : Backhoe	SCREENED ? <u>Y</u> / <u>N</u>	DATE : 11-9-93	TEST TYPE AND NO. : TT10
STRATIGRAPHY. :					
LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 0.9	Loamy sand, slightly compact	104R 312	fine-grained yellowish plastic - sandy	Fill / Abutment
2	0.9-2.3	Sand	104R 312	N.C.M.	
3					
4					
5					
6					
7					
8					
* Give depths relative to ground surface					
General Notes : (Note if cult. material retained, and if soil samples are taken.)					
<p>modest finds. Fluvial with plastic discarded.</p> <p>30' x 24' wide</p>					
Cross Refs :					
Plan		Photos			
Section		Notebook			

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Benistey Pond Park			COORDINATES : Lot 10		
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	Buckhoe	Y4" mesh	11-9-73	TT11

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1.0	Loamy sand	104R 318	Trashed - Human frags	DNA evidence Mixed with Litter
2	1.0-3.2	Loamy sand	104R 318	N.C.M.	2-3 mm fragments
3	cut 3.2-3.5	3.5 begins			
4					
5					
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

31' long X 2.8'  
Screen account for Buckhoe site, found undecayed hair  
Aluminum siding, aluminum foil, plastic, route 100

Cross Refs :

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SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Benistey pond Park			COORDINATES : Lot 1		
SITE :	SUPERVISOR :	EXCAVATOR :	SCREENED ?	DATE :	TEST TYPE AND NO. :
	AC	Buckhoe	Y4" mesh	11-9-73	TT12

STRATIGRAPHY :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-1.3	Sand	104R 318	137 mm. 30+	Human bone/ Bones
2	1.3-2.7	Impenetrable Loamy sand	104R 318	10-15 mm. 30-40 mm.	Human
3	2.7-4.5	Loamy sand Loam + 30% silt	104R 318	10-15 mm. 30-40 mm.	30-40 mm. Human
4	4.5-6.0	Soil + humus	104R 318	10-15 mm.	Human
5	6.2-6.5	Soil + humus	104R 318	N.C.M.	Human
6					
7					
8					

\* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

Screened back earth, window glass, 10 cm. 30-40 mm. Human  
Human hair, CONCRETE - discarded  
An iron bar bent over 5 ft. long, 10 cm. 30-40 mm.

Cross Refs :

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## APPENDIX II

### Artifact Inventory

## Baisley Pond Artifact Inventory      Page    1

Cat#	Context	Gp	Cl	Mat	Identity	Count	Comments	Reference	Range
1	3013.02	01	01	004	White graniteware	1	Rim		
2	3013.02	01	01	004	White graniteware	1	Underglaze transfer print blue		
3	3020.01	09	03	047	Clay marbles	4			
4	3031.02	01	01	004	White graniteware	1	Underglaze transfer print blue		
5	3031.02	01	01	003	Pearlware	1	Underglaze transfer print blue	Brown 1982:5,7; South 1972, Hume 1969:128-30	1787-1840
						8			