



1B 5533on USFMap

STAGE 1B ARCHAEOLOGICAL SURVEY BLOCK 5532, LOT 127 BOROUGH OF RICHMOND, NEW YORK

00 DCP 045R

prepared for: Land Planning and Engineering Consultants, P.C. 2178 Forest Avenue Staten Island, New York 10303

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Plate 2 View of debris pile within the project area looking east.

#### LIST OF PERSONNEL

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Paula M. Crowley Laboratory Director Artifact Analyst

Word/Data Processor Co-Author

William Goldsmith Field Supervisor



#### INTRODUCTION

The purpose of this archaeological survey is to document the presence or absence of prehistoric and/or historic archaeological resources within the Block 5532, Lot 127 project area in western Staten Island through the use of physical testing techniques.

The project area is located in western Staten Island, New York, in the vicinity of Greenridge. The property consists of a roughly rectangular parcel located along the south side of Arthur Kill Road west of Ridgewood Avenue. See Figure 1 for a map illustrating the location of the project area.

The Stage 1A archaeological/historical sensitivity evaluation report on this development concluded that this parcel could preserve evidence from both the prehistoric and historic periods. Nine prehistoric sites are known within two miles of this location. The project area includes elevated land near a marsh making this a possible location for a hunting camp. This property was also the probable location of the 1695 French Church (Greenhouse Consultants 2001:8). An archaeological survey consisting of shovel tests on a 50 foot grid pattern, augmented by additional tests should a potential site be discovered, was recommended for all parts of the project area not seriously disturbed.

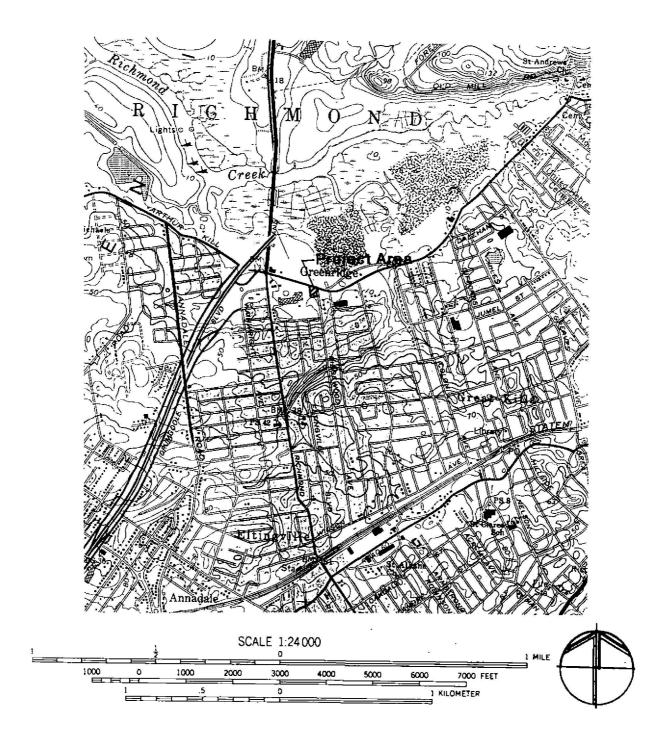


Figure 1 Project area location shown on portion of U.S.G.S. 7.5 minute series Arthur Kill quadrangle, 1966, photorevised 1981.



#### FIELD METHODOLOGY

The purpose of this Stage 1B archaeological survey is to document the presence or absence of potential prehistoric archaeological resources within the Block 5532, Lot 127 project area in Staten Island, New York through the use of physical testing techniques.

The Stage 1B testing of the project area took place on January 14 and 15, 2002. The parcel was investigated by excavating shovel tests along the established grid at fifty foot intervals or as close as possible to these locations. Testing was limited to the proposed development plans. A total of 20 shovel tests were planned. During Stage 1B testing of the project area, all 20 shovel tests were excavated. Obstacles encountered were rocks. Shovel Tests 3005, 3013, 3014 and 3017 were stopped by rocks at 0.3 to 0.8 feet below grade. See Figure 2 for the shovel test locations.

The methodology employed for the shovel tests was straightforward. Roughly square tests approximately 1.5 feet across were excavated until 0.5 feet of the subsoil was explored, or until the test was impeded by obstacles. All soils from the shovel tests were screened through \(\frac{1}{2}\)-inch mesh for the recovery of artifacts. Soils were excavated and recorded by natural stratigraphic deposits. For all of the shovel tests, the strata encountered were measured, described, and recorded in terms of texture, inclusions and Munsell colors. See Appendix 1 for the original survey record forms.

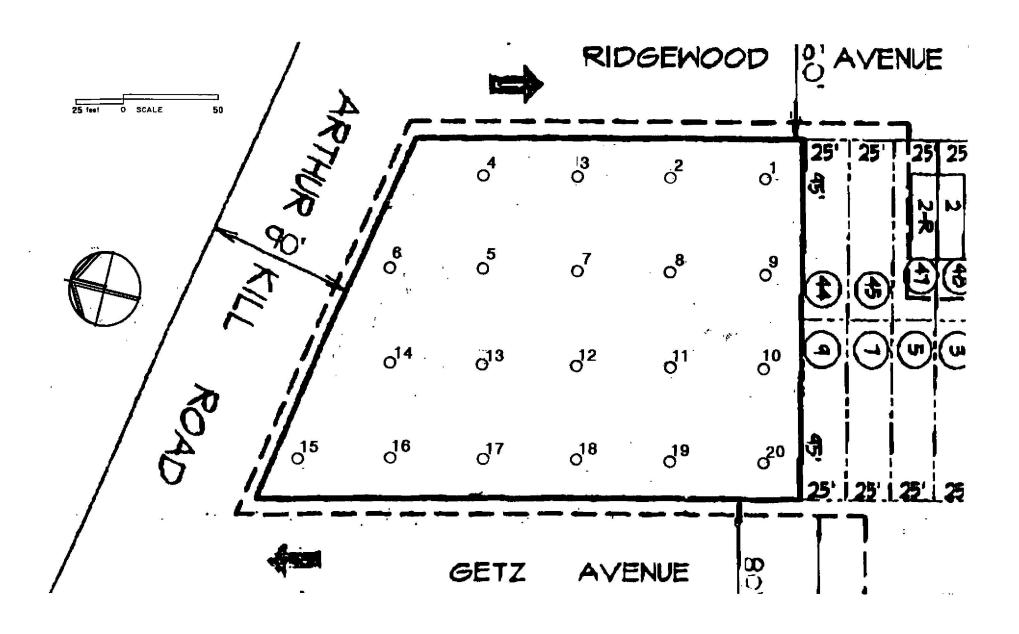


Figure 2 Locations of shovel tests within the project area.



#### STRATIGRAPHIC SUMMARY

A total of 20 shovel tests were completed at Block 5532, Lot 127 on Staten Island, New York during Stage 1B testing. The typical shovel test profile if it had remained undisturbed, would have consisted of three layers: a dark brown sandy loam topsoil overlying an A horizon of brown silty sand, with a B horizon of brown sandy clay. Instead, at this location, the topsoil and A horizon were usually stripped, or if present, existed in a were redeposited showing disturbance in the profile.

Table 1
Summary of Shovel Test Stratigraphy

LAYER	TEXTURE	# OF TESTS	%
Topsoil			
(N=4)	Sandy Ioam	4	100.00%
A Horizon			
(N=6)	Sandy loam	2	33.33%
·	Silty sand	4	66.66%
B Horizon			
(N=17)	Sandy clay	16	94.11%
	Sand	1	5.88%

The topsoil was categorized as a dark brown sandy loam in the four shovel tests where it was present. It was present as the top layer in only two tests: 3005.01 and 3013.01. In two tests it was the second layer, 3003.02 and 3017.02. In test 3003 the redeposited A horizon was the first layer and in 3017 some redeposited B horizon was the top layer. The topsoil had an average thickness of 0.1 tenths of a foot in all tests.

The A horizon was characterized by a brown sandy loam one-third of the time and a brown silty sand two-thirds of the tests. The average thickness of the layer was 0.316 feet. The A horizon was the first layer in half of the tests: 3003, 3006 and 3015.

The B horizon was a brown sandy clay in all tests but one. The B horizon was the first layer in 12 cases, the second layer in 4 tests and the third layer in one instance (3003). The top of this layer was found between 0.0 to 0.4 feet below ground surface. The average amount of exposure of the layer is 0.49 feet.



Topsoil was stripped in four shovel tests. The topsoil and A horizon were stripped in 11 cases. The A horizon was not present in one test (3017). Fill was identified in three instances. In Context 3001.01, a sandy loam fill was the first layer. In Contexts 3014.01 and 3016.01 a gravel fill in black sand was the first layer. Eleven shovel tests (55 percent) had only one layer. Eight tests (40 percent) had two layers. One shovel test (3003) had three layers (5 percent). Four shovel tests ceased during excavation of the second layer because further work was impeded by rocks (3005, 3013, 3014, and 3017).



#### ARTIFACT PROCESSING AND ANALYSIS

Laboratory Methodology

Artifacts recovered from the Stage 1B field testing on Block 5532, Lot 127 on Staten Island, New York were brought to the Greenhouse Consultants laboratory for processing and analysis. Artifacts were washed in room temperature tap water, dried, marked and catalogued. The drying procedure was slow air drying on screens in the laboratory processing area. The artifacts were then labeled with their appropriate context number.

Artifacts were identified using a modified form of the Cultural Material Data Base Taxonomy of the National Park Service. Artifacts were coded for their functional group, class and material. Technological and stylistic manufacturing ranges were assigned when an artifact exhibited a datable attribute. Establishing a range of the manufacture of artifacts provides a time frame for establishing dates after which the refuse deposits were made. This information was recorded on a tyvek label which was inserted with the artifact into a clear polyethylene ziplock bag. The bags were also labeled with context and catalog numbers.

Contexts were assigned series numbers in accordance to the type of data recovery method. The data recovery method used was shovel testing. Shovel testing is identified by the 3000 series. The second layer of Shovel Test 1 would be identified as 3001.02. See Appendix 1 for the context labeling system.

Artifact Analysis

Two shovel tests yielded a total of 2 artifacts. All artifacts recovered were from the historic period. No prehistoric artifacts were found. Artifacts from the shovel tests were from the functional groups of kitchen/domestic.

Container glass	Total	1
3012.03 Container glass	***************************************	1
	Total	1

Both pieces of glass were clear curved shards. Neither piece of glass possessed any characteristics that would distinguish what sort of vessel they had been a part. Both pieces of glass were of recent twentieth century manufacture.



#### RESULTS

No evidence of prehistoric use of Block 5532, Lot 127 was found during the Stage 1B testing. No prehistoric artifacts were recovered, and no prehistoric features were recorded.

No evidence of the 1695 French Church was found during the Stage 1B testing of Block 5532, Lot 127. No artifacts dating to the seventeenth or eighteenth centuries were recovered. No features that could be related to the church were recorded.

The Stage 1B testing did produce two historic period artifacts. These appear to be parts of twentieth century glass containers. The testing showed evidence of disturbance. In most cases the topsoil and A horizon had been removed. Eleven of twenty shovel tests recorded only the subsoil or B horizon. This indicates that any potential that this location had for preserving archaeological remains has been destroyed.



#### **CONCLUSIONS AND RECOMMENDATIONS**

This final report documents the procedures and results of the Stage 1B testing of the Block 5532, Lot 127 project area, Staten Island, New York. Based on this objective ground testing, it can now be concluded that no potentially significant prehistoric or historic resources were present within the boundaries of the project area. We can now confidently state that additional testing is not necessary and no further work is recommended.



Plate 1 View of the project area looking northwest from Ridgewood Avenue, showing evidence of grading.



Plate 2 View of debris pile within the project area looking east.



#### **BIBLIOGRAPHY**

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2001 Stage 1A Archaeological/Historical Sensitivity Evaluation of Block 5532, Lot
127, Borough of Richmond, New York. Prepared for Land Planning and
Engineering Consultants, P.C. New York, New York: Greenhouse Consultants Inc.

Maps and Atlases

United States Geological Survey

1966 Arthur Kill Quadrangle. 7.5 minute series topographic map. Photorevised



# APPENDIX 1

FIELD RECORD FORMS AND CONTEXT NUMBERING SYSTEM

PROJECT	PIK ST	32,1+12754	COORDINATE	ES: 75 110	A . T RIDERMAN
SITE :	SUPERVISOR :		SCREENED ?	DATE:	TEST TYPE
	Br	130	1/4"	1/14/6=	TEST TYPE 25
STRATIGR	APHY:				
LAYER	DEPTH •	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-0.4'	Samey loam	BM OKBN	Nem	A (Fill)
2	0.4-0.4	Samoy Clay	1/4	4	В
3		1			
4		35° 130° 1			
5				,	
6					
7				· ·	
		· · · · · · · · · · · · · · · · · · ·			
Give depths	relative to ground :	surface	<del>l</del>		
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ection			Notebook		

PROJECT :	R 1532	10T127 S.I.	COORDINATES : 50' NE OF 1				
SITE :	SUPERVISOR :	EXCAVATOR:	SCREENED 1		TEST TYPE AND NO. :		
	BH	Bi	1/4	1/14	2		
STRATIGRA	APHY :						
LAYER	DEPTH •	DESCRIPTION	COLOR	CULT. MAT.	NOTES		
1	0-0.5	Sanoy (/w	1754-414 11 AK BN	NCM	SUBSOIL		
2			,				
3							
4				ļ			
5							
6					/ :		
7		-					
8				/			
Give depth	s relative to ground	d surface		7	/ /		
General Not	es : (Note if cuit.	material retained, and if soil :	amples are take	n.) [ ]	/ /		
	Topsiel + A Stripped						
Cross Refs							
Plan			Photos	/ /.			
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- Kojeci	<u> </u>	4, 67 0-7	COOKDINA	- 70 N	FOF A	
SITE :	SUPERVISOR :	EXCAVATOR:	SCREENED	DATE :	TEST TYPE AND NO. :	
	136	134	yyn	1/14	3	
STRATIGR	APHY:	10.0				
LAYER	DEPTH •	DESCRIPTION	COLOR	CULT. MAT.	NOTES	
1	0-02	Sanon logu	10 yr 4/3 302/01/04	(recent)	, A	
2	0.2:0.3	Sanoy loan Sanoy loan	10 7 3/3 OF AN	NCM	To psil	
3 .	0.3'-0.8'	Sanny Chu	DE BN	NCM	3	
4	2000	-,,				
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• Give depth	s relative to ground	surface	· · · · · · · · · · · · · · · · · · ·			
General Notes: (Note if cult, material retained, and if soil samples are taken.)						
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Plan			Photos			
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bootes	711		COORDINAT			
PROJECT :	14 K 27	22, lot 1275 to	COORDINAT	<u> </u>	FOF3	
SITE :	SUPERVISOR :	EXCAVATOR:	SCREENED ?	DATE :	TEST TYPE AND NO. :	
	Ba	Br	1/411	1/14	4	
STRATIGRA	APHY:				*	
LAYER	DEPTH •	DESCRIPTION	COLOR	CULT. MAT.	NOTES	
1	O-05	Sampy Clay	75yrilly Dr BN	Nem	В	
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4	,				(m	
s	æ		•			
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7			′			
8						
• Give depths	relative to ground	surface	L I			
General Note:	s : (Note if cult, r	naterial retained, and if soil sa	imples are taken,	)	7 Weeks 8	
OSGITZ A + MIZG & T						
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Plan			Photos			
Section			Notebook			

ROJECT :	1311 6	132 127 10	COOKDINA	153: 20' N	W of Y
SITE :	SUPERVISOR :		SCREENED	7 DATE:	TEST TYPE AND NO. :
	30	BU	1/4	14 1/14	5
STRATIGRA	APHY:			1	<u> </u>
LAYER	DEPTH •	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-011	Som on lem	104-3/3 1060 BA	NIM	Topcoil
2	0.11-03	San on lease Sill San o	1040 4/3 BNIDKEN	И	A
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7			/		
8					
Give depths	relative to ground	i surface			
General Notes	: (Note if cult. r	material retained, and if soil sa	amples are taken	i.)	
		Stapped by	Roa	K	
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Plan			Photos		
Section			Notebook		

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

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STRATIGRA	VPHY:			235				
LAYER	DEPTH •	DESCRIPT		COLOR		LT. MAT.	NOTES	
1	0-03	SNA	οη  0 <b>/*</b>	104745	,	)(V1	Px	
2	03'-08	Sanoy	Clay	757-1/1 pk on		ř,	B	
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7	-			,				
8							-	
Give depths	relative to ground	surface		3	***			-
General Notes	: (Note If cult. r	naterial retained	, and if soll sa	mpleş are taken	i.)			
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Cross Refs :	,,,		1		•		_	
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SITE :	SUPERVISOR:	, ]	EXCAVATOR:	SCREENED		DATE:	TEST TYPE AND NO. :
			12.	1/9		1/19	1 7
STRATIGRA	APHY :			•	7.		
LAYER	DEPTH +	DE	SCRIPTION	COLOR	CI	JLT. MAT.	NOTES
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Cross Refs :			•			101	
Plan				Photos			
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PROJECT :	Blk SS	32, 10 T 127 SI	COORDINA	res : 50 chl	-E' M
SITE :	SUPERVISOR :	EXCAVATOR:	SCREENED	TES: 50'SW  DATE: ///4	TEST TYPE
	136	Bu	1/411	1/14	AND NO. :
		1/-	/1	17.7	8
STRATIGRA	NPHY: .			•	
LAYER	DEPTH •	DESCRIPTION	COLOR	CULT. MAT.	NOTES
ĭ	0-6.5	Samby Clas	7.54-4/4 1 1/2 GN	Nem	B
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Section			Notebook		

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LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES	
. 1	E-0.51	Samoy Clay	7.57.44 DK AN	NCM	B	
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6				*		
7			1			
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Typian + A St. pred						
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PROJECT :	Blk 55	32 lot 127	SI	COORDINATES: 50' (W F 9  SCREENED? DATE: TEST TYPE				
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STRATIGRA	VPHY:				-			
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1	0-0.5	Sanoy	Clay ?	544 414 DK BN	Ń	cm	B	2
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	30	Bu	1/41	1/15	AND NO. :	
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STRATIGRA	APHY :				1		
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	BV	BV		1/41		1/15	/3
STRATIGRA	IPHY :			•	7		
LAYER	DEPTH +	τ	DESCRIPTION	COLOR	CI	ULT. MAT.	NOTES
1 .	00.1	7 ( 5 ::	Sanogloan	107 -3/3		NCM	tapsaid
2	01-08	Sill	Samo.	DE BN 10474/3 SN/01-60		и	A
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	10 m	- Bb	1/4.	1 1/15	14
STRATIGE/	VPHY:		1	,	
LAYER	DEPTH •	DESCRIPTION	COLOR	CULT, MAT.	NOTES
1	0-0.1	Sano	109-211 R16	Nom	gravel Fill
2	0-1'-0.5'	Silly an o	109-4/3 BN/060N	11	grand Fill
3					1.
4	-				
5					
6		<u> </u>			
7			1		
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• Give depths	relative to ground s	urface	<del></del>		
General Notes	: (Note if cult. m	aterial retained, and if soil sa	ımples are taken,	)	
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PROJECT :	PROJECT: 13K 5532 101127			COORDINA	COORDINATES : 25' SEOF (FOTZ ADE. F SCREENED? DATE: TEST TYPE AND NO:			
SITE :	SUPERVISOR :		EXCAVATOR:	SCREENED	1	DATE :	TEST TYPE	OF AUTH.
	Bb	,	BV	1/4"		1/15	AND NO. :	
STRATIGR/	APHY:				7		·	1
LAYER	DEPTH •	C	ESCRIPTION	COLOR	C	ULT, MAT.	NOTES	ĺ
1	0-011	(	Car Sura	Dur 4/3		NCM	<u> </u>	
2	0.1-06		Caro	7.5 4-4/1 Oh 3N		d	B	<u>.</u>
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* Give depths	relative to ground	surface	1					
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		<del></del>			
PROJECT	BYK 553	12 101 127	COORDINAT	res: 50'54	20F15
SITE :	SUPERVISOR :		SCREENED	DATE:	TEST TYPE AND NO. :
j	BV	Bu	1/411	1/15	5.51
			1.71	/	16
STRATIGR	APHY:				
LAYER .	DEPTH •	DESCRIPTION	COLOR	CULT. MAT,	NOTES
1	0-01	Samoy Chy	109-2/1 Blh	Nom	grace Fill
2	0.1-0.6	Sanoy Chy	7.54. 914 DL 8N	и	13
3 .				<u> </u>	
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• Give depth	s relative to ground	surface	- E		
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		No Tapso	11 - 8	Tripped	¥
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PROJECT: 1918 1732 101174			2 COORDINATES : 50 5 40 0F 16			
SITE :	SUPERVISOR :	EXCAVATOR:	SCREENED?		TEST TYPE AND NO. :	
	Br	BP	1/411	1/0	17	
STRATIGR	APHY:			¥		
LAYER	DEPTH • DESCRIPTION		COLOR	CULT, MAT.	NOTES	
1 .	0-0.4'	Sanby Clay	7.59.494 16.BN	Nem	B	
2	04'07	Sangy loam	10yr313	11	Topsoil	
3					<i>I</i> ·	
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* Give depths	relative to ground	surface	<u> </u>			
General Note:	: (Note If cult, m	aterial retained, and if soil sa	mples are taken.)	-		
4" 04	1 19012 1201 ils. D. 11 oras	azerial retained, and If soil sa	Rocks	•	,	
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PROJECT :	BIRT	532 lox 127	COORDINATI	Es: 50/30	U 0F/7		
SITE :	SUPERVISOR :	EXCAVATOR:	SCREENED 7	DATE:	TEST TYPE		
	Br	136	1/41	1 1/15	AND NO. :		
	17'	יכו	//		<u> </u>		
STRATIGRA	APHY:		-	1			
LAYER	DEPTH +	DESCRIPTION	COLOR	CULT. MAT.	NOTES		
1	0.0.5	Sanoy Clay	7, SyryH	NCM	B		
2							
3							
4					•		
5							
6		•					
7			1				
8							
• Give depths	relative to ground s	urface					
General Note:	: (Note if cult. ma	aterial retained, and if soil sa	mples are taken.)				
	Tapsoil + A STripped						
Cross Refs :			0.0				
Plan			Photos				
Section			Notebook				

PROJECT :	B/2 55	32 bria7	COORDINATES: 501 SWOF 18				
SITE :	SUPERVISOR :	EXCAVATOR:	SCREENED	DATE:	TEST TYPE AND NO. :		
	pl	BU	1/41	1/15	19		
STRATIGRA	PHY:		- 1	ì			
LAYER .	DEPTH •	DESCRIPTION	COLOR	CULT. MAT.	NOTES		
1	0-05	Samy Chy	DEEN	Nem	B		
2		l 7					
3							
4				2 2 2	<b>1</b> 0		
s	*	,	ĺ		b.		
6				``			
7			,				
8							
Give depths	relative to ground	surface					
General Notes	: {Note if cult. r	naterial retained, and if soil sa	mples are taken	)	U.		
General Notes: (Note If cult. material retained, and If soil samples are taken.)  NO Topson or A" - Strippe o							
Cross Refs :		Σ.					
Ptan			Photos				
Section .			Noțeboak				

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

PROJECT :	B/k 55	34 108 127 S.I.	COORDINATES: 50 SWOF19				
SITE :	SUPERVISOR :	EXCAVATOR:	SCREENED	DATE :	TEST TYPE		
	Br	Bu	1/4	n 1/15	20		
STRATIGRA	APHY:						
LAYER	DEPTH +	DESCRIPTION	COLOR	CULT. MAT.	NOTES		
1	0-0.5	Sanpy Oy	17,5yrth	ivem	13		
2		7 7					
3							
4					·		
5			Superior Sup				
6							
7			7				
В	v			ı.			
Give depths	relative to ground	surface					
General Notes	: (Note if cuit. n	naterial retained, and if soll sa	ımples are takçı	 \.)	· · · · · · · · · · · · · · · · · · ·		
	General Notes: (Note If cult. material retained, and if soil samples are taken.)  A DSW + A ST-PARP						
Cross Refs :	8	•		2	-		
Plan			Photos				
Section —			Notebook				

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# Shovel Test Stratigraphy Summary Block 5532, Lot 127, Staten Island

Context	Munsell	Color	Texture	Depth	Horizon	Comments
2004.04	10/040	D	0-1	004		7
3001.01	10YR4/3 7.5YR4/4	Brown Brown	Sandy loam Sandy clay	0.4-0.9	Fill B	Topsoll stripped
3001.02	7.511(4)4	DIOWII	Sality Clay	0.4-0.9	B	
3002.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Topsoil & A horizon stripped
3003.01	10YR4/3	Brown	Sandy loam	0-0.2	Α	glass
	10YR3/3	Dark brown	Sandy loam	0.2-0.3	Topsoil	
3003.03	7.5YR4/4	Brown	Sandy clay	0.3-0.8	В	
3004.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Topsoil & A horizon stripped
3007.01	1.011(-4-4	DIOWII	Januy Clay	0-0.5	<u> </u>	ropson & A honzon surpped
3005.01	10YR3/3	Dark brown	Sandy loam	0-0.1	Topsoil	
3005.02	10YR4/3	Brown	Silty sand	0.1-0.3	Α	stopped by rock
	10YR4/3	Brown	Sandy loam	0-0.3	Α	topsoil stripped
3006.02	7.5YR4/4	Brown	Sandy clay	0.3-0.8	В	
3007.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Toposil 9 A harizon atrianad
3007.01	7.511544	DICWII	Sarity Clay	0-0.5	B	Topsoil & A horizon stripped
3008.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Topsoil & A horizon stripped
3009.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Topsoil & A horizon stripped
3010.01	7.5YR4/4	Brown	Sandy clay	0-0.5	8	Topsoil & A horizon stripped
3011.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Topsoil & A horizon stripped
3071.01	7.011137	DIOWII	Garay Clay	0-0.5	В	Topsoil & A Horizon stripped
3012.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Topsoil & A horizon stripped; glass
	10YR3/3	Dark brown	Sandy loam	0-0.1	Topsoil	
3013.02	10YR4/3	Brown	Silty sand	0.1-0.8	Α	Stopped by rock
3014.01	10YR2/1	Black	Sand	001	Canual 61	
3014.02	10YR4/3	Brown	Silty sand	0-0.1 0.1-0.5	Gravel fill	stopped by rock
			Omy dorna	0.1 0.0	/···	Stopped by Took
3015.01	10YR4/3	Brown	Silty sand	0-0.1	Α	Topsoil stripped
3015.02	7.5YR4/4	Brown	Sand	0.1-0.6	В	
3016.01		Black	Sand	0-0.1	Gravel fill	Topsoil stripped
3016.02	7.5YR4/4	Brown	Sandy clay	0.1-0.6	В	
3017.01	7.5YR4/4	Brown	Sandy clay	0-0.4	В	No A horizon
3017.02	10YR3/3	Dark brown	Sandy loam	0.4-0.7	Topsoil	Stopped by rocks
3018.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Topsoil & A horizon stripped
		-				
3019.01	7.5YR4/4	Brown	Sandy clay	0-0.5	В	Topsoil & A horizon stripped
3020 04	7.5VP4/4	Braue	Candu alass	005		T
3020.01	7.5YR4/4	Brown	Sandy clay	0-0.5	[B	Topsoil & A horizon stripped