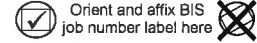




**TR4: Technical Report
Soil Investigation**
Must be typewritten.



1 Location Information *Required for all applications.*

House No(s) 17	Street Name Lois Avenue			
Borough Brooklyn	Block 8900	Lot 126	BIN 3249378	CB No. 315
Work on Floor(s) 1			Apt/Condo No(s)	

2 Applicant Information *Required for all applications.*

Last Name Resciniti	First Name Philip	Middle Initial L
Business Name HAKS	Business Telephone 212-747-1997	
Business Address 40 Wall Street	Business Fax	
City New York	State NY	Zip 10005
E-Mail presciniti@haks.net	Mobile Telephone	
License Number 035930		
☐ P.E. ☒ R.A.		

3 Required Borings / Test Pits *Required for all applications.*

Number of Test Pits as Required as per NYC Construction Codes: 3

4 Plot Diagram *Required for all applications.*

Draw in ink to indicate scale. Show building outline or extension and location of all borings and/or test pits by dimensions. Borings and/or test pits shall be distributed according to the NYC Construction Codes.

5 Test Report *Required for all applications.*

Date	Boring/ Test Pit #	Feet Below Curb	Soil Description	Class Number	Remarks
7/29/14	B1	0' - 2'	Silty sand brown	---	See attached report
7/29/14	B1	2' - 4'	Silty sand brown with some gravel	---	See attached report
7/29/14	B1	4' - 6'	Brown sand	---	See attached report
7/29/14	B1	6' - 8'	Brown sand	---	See attached report
7/29/14	B1	8' - 10'	Brown sand - fine	---	See attached report
7/29/14	B1	10' - 12'	16" sand-fine, 8" org. clay	---	See attached report
7/29/14	B2	0' - 2'	Top soil	---	See attached report
7/29/14	B2	2' - 4'	Silty sand (brown)	---	See attached report
7/29/14	B2	4' - 6'	Brown sand	---	See attached report
7/29/14	B2	6' - 8'	Brown sand - fine	---	See attached report
7/29/14	B2	8' - 10'	Brown sand - fine	---	See attached report
7/29/14	B2	10' - 12'	Fine brown clay, 7" org. clay	---	See attached report

6 Statements and Signatures *Required for all applications.*

I hereby state that the above information is correct and complete to the best of my knowledge and that the above tests were performed in accordance with all Administrative Code Provisions and Departmental Rules, Regulations and Directives.

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both.

It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both.

Name (please print)

Philip Resciniti

10-01-2014

Signature

Date



P.E. / R.A. Seal (apply seal, then sign and date over seal)

Approvals - Internal Use Only

Examined and Recommended for Approval		Approved	
Examiner Name		Borough Commissioner Signature	Date
Signature	Date		



SI-G-005

REV. 08/2011

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www.haks.net

SPECIAL INSPECTION DAILY TIMESHEET

Client: CDM		HAKS Job/Phase #: 2013-11-0269 A 01 Ph 5 task 3		
Date: 7/29/14		Project Name: BIB		
Location of Work: 17 Lois Ave BKLN		Project Description: Soil Boring & Sampling		
Contractor: Universal		Sub-Consultant: -		
Inspector Name: Samir Abdalla		Inspector Certification: P.E.		
Type of Inspection: Soil Investigation				
Time Started 8:00	Start Lunch/Dinner 12	End Lunch/Dinner 1230	Time Completed 430	Hours Worked 8
Equipment Used: Slump Test Dye Penetrant Magnetic Particle Nuclear Moisture Density Gauge Pull-Test Equipment In-Place Density Sand Cone Concrete Coring Equipment Microwave Other: Visual Other: Other: Other: Other: Other:				
Comments:				
No Representative On Site		Contacted Driver to Pick up Cylinders &/or Cubes on:		
WO#:	DOB#:	JOB#:		
FOR CLIENT USE ONLY				
Actual Hours Verified and Approved by Owners Representative				
Name:		Title:		
Signature:		Date:		

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BC 1704.7.4

SOILS – INVESTIGATIONS (BORINGS/TEST PITS)

NYC DOB #:	—	Date of Inspection:	7/29/14
Client:	CDM	Report By:	Samir Abdalla
Project Name:	BIB	HAKS JOB#:	2013-11-0269 A01 ph 5 tsk 3
Project Address:	17 Lois Ave	HAKS PM:	Ahmed Saber
Weather:	P. cloudy	Ambient Temp:	77°
Applicable Codes:			

☒ Continuous Inspection

☐ Periodic Inspection

Soil Investigations (Borings/Test Pits) must be accompanied by a TR-4

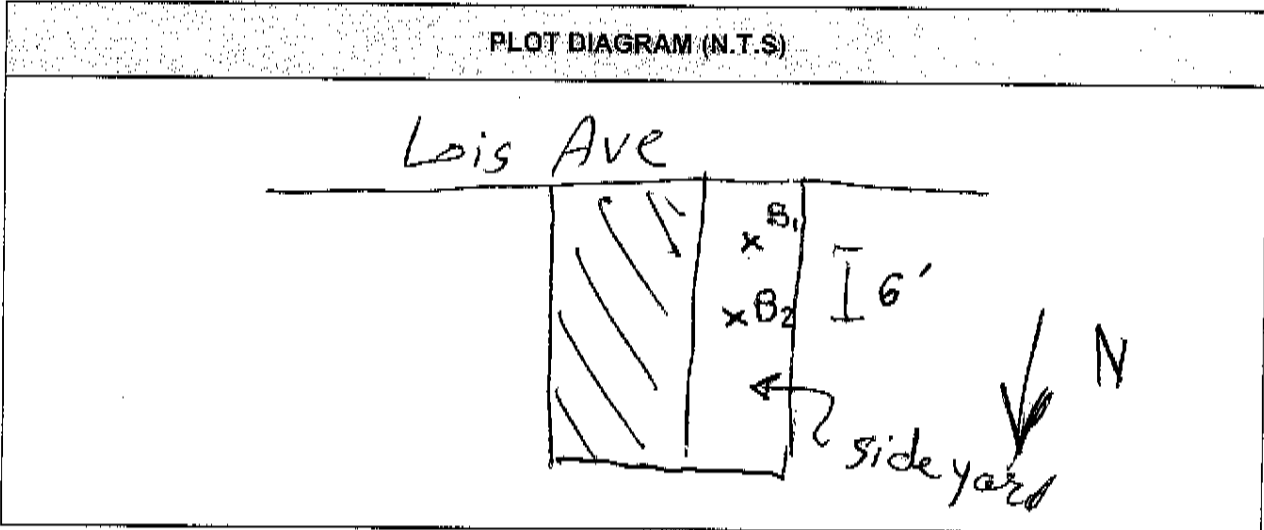
Boring No.	Feet Below Curb	Number of Blows	Recovery	Visual Soil Description	
B ₁	0-2	3-4-4-2	14"	Silty Sand Brown	
	2-4	3-4-5-5	14	" " with some gravel	
	4-6	5-8-6-5	15	Brown Sand	W.T 400
	6-8	4-5-7-5	24"	" "	
	8-10	5-4-2-3	24"	" " fine	
	10-12	3-3-4-3	24"	16" sand-fine, 8" org. clay	End
B ₂	0-2	2-2-3-4	5"	Top soil	
	2-4	1-2-3-5	6"	Silty Sand (Brown), Fly ash	
	4-6	3-5-3-4	17'	Brown Sand	W.T 9-
	6-8	2-3-6-6	24"	" " Fine	
	8-10	6-5-6-3	22"	" "	
	10-12	3-3-4-5	24	7" Fine Brown Sand, 7" org clay	

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BC 1704.7.4

SOILS – INVESTIGATIONS (BORINGS/TEST PITS)

NYC DOB #:	—	Date of Inspection:	7/29/14
------------	---	---------------------	---------



Additional Comments:

Late start due to Missing Equipment (sampling spoon)

ATLEAST (1) OF THE FOLLOWING MUST BE CHECKED:

- Conformance:** ☒ The inspected area(s) are in conformance with the approved project drawings and specifications.
- Work In Progress:** ☐ The inspected area(s) were not completed at the time of inspection;
*Re-Inspection Is Required
- Non-Conformance:** ☐ The inspected area(s) are not in conformance with the approved project drawings and specifications.
*After Correction of the work is performed, a Re-Inspection Is Required

*To the best of my knowledge, work inspected was in accordance with the building department approved plans, specifications and applicable workmanship provisions of the NYC Building Code except as noted above.

Samir Abdalla
Inspector Print Name

Samir Abdalla
Inspector Signature

7/29/14
Inspection Date

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BC 1704.7.4

SOILS – INVESTIGATIONS (BORINGS/TEST PITS)

NYC DOB #:	—	Date of Inspection:	7/29/14
Client:	CDM	Report By:	Samir Abdalla
Project Name:	BIB	HAKS JOB#:	2013-11-0269A01 ph 5 tsk 3
Project Address:	17 Lois Ave	HAKS PM:	Ahmed Saber
Weather:	P. cloudy	Ambient Temp:	77°
Applicable Codes:			

☒ Continuous Inspection

☐ Periodic Inspection

Soil Investigations (Borings/Test Pits) must be accompanied by a TR-4

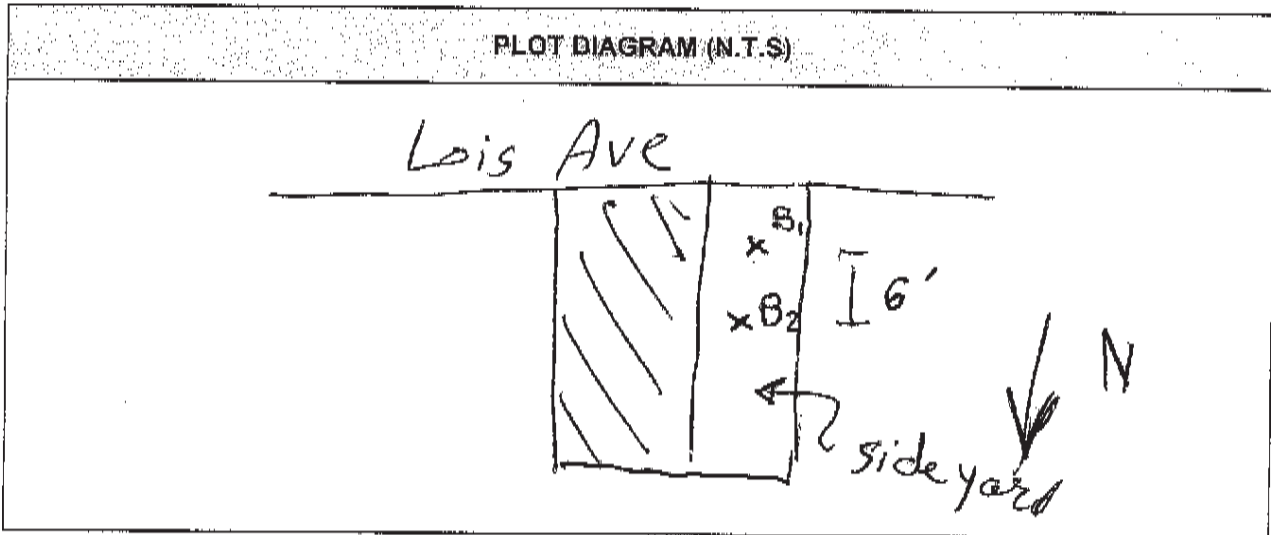
Boring No.	Feet Below Curb	Number of Blows	Recovery	Visual Soil Description	
B ₁	0-2	3-4-4-2	14"	Silty Sand Brown	
	2-4	3-4-5-5	14	" " with some gravel	
	4-6	5-8-6-5	15	Brown Sand	W.T 400
	6-8	4-5-7-5	24"	" "	
	8-10	5-4-2-3	24"	" " fine	
	10-12	3-3-4-3	24"	16" sand-fine, 8" org. clay	End
B ₂	0-2	2-2-3-4	5"	Top soil	
	2-4	1-2-3-5	6"	Silty Sand (Brown), Fly ash	
	4-6	3-5-3-4	17'	Brown Sand	W.T 9-
	6-8	2-3-6-6	24"	" " Fine	
	8-10	6-5-6-3	22"	" "	
	10-12	3-3-4-5	24	7" Fine Brown Sand, 7" org. clay	

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SOILS - INVESTIGATIONS (BORINGS/TEST PITS)

NYC DOB #:	—	Date of Inspection:	7/29/14
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Additional Comments:

Late start due to Missing Equipment (sampling spoon)

ATLEAST (1) OF THE FOLLOWING MUST BE CHECKED:

- Conformance:** ☒ The inspected area(s) are in conformance with the approved project drawings and specifications.
- Work In Progress:** ☐ The inspected area(s) were not completed at the time of inspection;
*Re-Inspection Is Required
- Non-Conformance:** ☐ The inspected area(s) are not in conformance with the approved project drawings and specifications.
*After Correction of the work is performed, a Re-Inspection Is Required

*To the best of my knowledge, work inspected was in accordance with the building department approved plans, specifications and applicable workmanship provisions of the NYC Building Code except as noted above.

Samir Abdalla
Inspector Print Name

Samir Abdalla
Inspector Signature

7/29/14
Inspection Date

U N I V E R S A L

Testing & Inspection Services, Inc.

Drilling & Boring Contractors

Testing Labs

Corporate Headquarters

73 Otis St., W. Babylon, NY 11704

T: 631.491.5252 F: 631.491.5959

Nationally Accredited – AASHTO E329

www.universaltest.com

Rig: Acker Tripod Unit

Crew: Morely & Glenn

HSA: ASTM D1586

Page 1 of 6

Mobilization Date: July 29, 2014

Completion Date: July 29, 2014

UTIS Report #: TBD

GEOTECHNICAL DRILLING REPORT

Client: Institute for Building Technology & Safety (IBTS) **UTIS Drilling Crew** R. Morley / K. Glenn
45207 Research Place, Ashburn VA 20147 (NYC Office) **Developer:** NA
Project: APP- 008377 (Caro Residence) **G.C. Representative:** NA
Job Location: 17 Lois Ave, Brooklyn NY

Reference Drawings By: NY Land Surveyor, PC **Rev #:** None **Revision Date:** NA
Have reference drawings been approved by ARC/ENG: ☒ Yes ☐ No **Approval Date:** June 13, 2014
Samples (Type): Soil Borings w/ SPT **Weather & Temp °F:** Clear 78+ °F

Construction Activities: (Indicate activities monitored)

On July 29, of 2014 Universal Testing & Inspection Services, Inc (Drilling Division) mobilized to the referenced project to Perform soil test borings to ascertain soil type, classification, groundwater detection/ elevation and blow counts. Soil samples Obtained are consistent throughout the site. Groundwater was detected at 4 feet deep.

Method Drilling: ASTM D1586 Standard Test Method for Penetration Test and Split Barrel Sampling of Soil.

Classification of soils was performed utilizing the Unified Soil Classification System and Chapter 18 of the NYC Building Code

Visitors: Ahmed Saber PE

Representing: HAKS Engineering

Forms Attached: ☒ Yes ☐ No Specify form(s) Soil Boring Logs Site Plan Summary

Follow-up from prior report: ☐ Yes ☒ No **Date of prior report:** _____

Non-conformance corrected: NA

What, in particular, should be observed, checked, or tested during the next visit?

UTIS Field Driller: Robert Morley

Date: 6/ 18/ 14

Reviewed By: Kathleen Hand, PE

Date: 6/ 23 /14

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Testing & Inspection Services, Inc. ▪ Drilling & Boring Contractors ▪ Testing Labs

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Page 2 of	6
Mobilization Date:	July 29, 2014
Completion Date:	July 29, 2014
UTIS Report #:	TBD

GEOTECHNICAL DRILLING REPORT

Depth of Drilling (or) Sampling	Blows Per (6") Inches on Sample Split Spoon	Unified Soil Classification Symbol Type	Field Identification and Remarks (e.g.) Soil Type, Color, Groundwater Detection, Etc...	TB # B-1
0 – 2 FEET BLG Tripod	3 4 4 2	Misc.	Top Soil, Grass, Etc...	Sample 1 Recovery 14"
2 - 4 FEET BLG Tripod	3 4 5 5	SP NYC-BC Class	Brown Sand Medium to Fine Sand	Sample 2 Recovery 14"
4 -6 FEET BLG Tripod	5 8 6 5	SP NYC-BC Class 6	Fine Sand with Small Gravel	Sample 3 Recovery 15"
6 -8 FEET BLG Tripod	4 5 7 5	SP NYC-BC Class 6	Fine to Medium Sand (brown in color)	Sample 4 Recovery 24"
8 -10 FEET BLG Tripod	5 4 2 3	SP NYC-BC Class 6	Fine to Medium Sand (Brown in color)	Sample 5 Recovery 24"
10 - 12 FEET BLG Tripod	3 3 4 3	SP/OH NYC-BC Class 6	Fine to Medium Sand (Brown in color) Trace of Clay	Sample 6 Recovery 24"

Groundwater Detected at: 4' +/- at 11:45pm. Note: Boring was terminated due to high groundwater level and test hole collapse.

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Rig:

Acker Tripod Unit

Crew:

Morely & Glenn

HSA:

ASTM D1586

Page 3 of

6

Mobilization Date:

July 29, 2014

Completion Date:

July 29, 2014

UTIS Report #:

TBD

GEOTECHNICAL DRILLING REPORT

BORING # 1 (N Value Matrix)

Depth of Drilling (or) Sampling	Blows Per (6")	'N' Value	Bearing Capacity
0 – 2 FEET BLG	3 4 4 2	8	0.0
2 - 4 FEET BLG	3 4 5 5	9	0.0
4 -6 FEET BLG	5 8 6 5	14	0.0
6 -8 FEET BLG	4 5 7 5	12	0.0
8 -10 FEET BLG	5 4 2 3	6	0.0
10 - 12 FEET BLG	3 3 4 3	7	0.0

← GWT 4'

*Note: Clay, Peat and Silts are not suitable soils for footing Construction

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Rig: **Acker Tripod Unit**

Crew: **Morely & Glenn**

HSA: **ASTM D1586**

Page 4 of 6

Mobilization Date: July 29, 2014

Completion Date: July 29, 2014

UTIS Report #: TBD

GEOTECHNICAL DRILLING REPORT

Depth of Drilling (or) Sampling	Blows Per (6") Inches on Sample Split Spoon	Unified Soil Classification Symbol Type	Field Identification and Remarks (e.g.) Soil Type, Color, Groundwater Detection, Etc...	TB # B-2
0 – 2 FEET BLG Tripod	2 2 3 4	Misc.	Top Soil, Grass, Etc...	Sample 1 Recovery 5"
2 - 4 FEET BLG Tripod	1 2 3 5	SP NYC-BC Class	Brown Sand Medium to Fine Sand	Sample 2 Recovery 6"
4 -6 FEET BLG Tripod	3 5 3 4	SP NYC-BC Class 6	Fine Sand with Small Gravel	Sample 3 Recovery 17"
6 -8 FEET BLG Tripod	2 3 6 6	SP NYC-BC Class 6	Fine to Medium Sand (brown in color)	Sample 4 Recovery 24"
8 -10 FEET BLG Tripod	6 5 6 3	SP NYC-BC Class 6	Fine to Medium Sand (Brown in color)	Sample 5 Recovery 22"
10 - 12 FEET BLG Tripod	3 3 4 3	SP/OH NYC-BC Class 6	Fine to Medium Sand (Brown in color) Trace of Clay	Sample 6 Recovery 24"

Groundwater Detected at: 4' +/- at 12:35pm. Note: Boring was terminated due to high groundwater level and test hole collapse.

U N I V E R S A L

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Rig:

Acker Tripod Unit

Crew:

Morely & Glenn

HSA:

ASTM D1586

Page 5 of

6

Mobilization Date:

July 29, 2014

Completion Date:

July 29, 2014

UTIS Report #:

TBD

GEOTECHNICAL DRILLING REPORT

BORING # 2 (N Value Matrix)

Depth of Drilling (or) Sampling	Blows Per (6")	'N' Value	Bearing Capacity
0 – 2 FEET BLG	2 2 3 4	5	0.0
2 - 4 FEET BLG	1 2 3 5	5	0.0
4 -6 FEET BLG	3 5 3 4	8	0.0
6 -8 FEET BLG	2 3 6 6	9	0.0
8 -10 FEET BLG	6 5 6 3	11	0.0
10 - 12 FEET BLG	3 3 4 3	7	0.0

← GWT 4'

*Note: Clay, Peat and Silts are not suitable soils for footing Construction

