



TR4: Technical Report
Soil Investigation
Must be typewritten.

☒ Orient and affix BIS job number label here ☒

1 Location Information Required for all applications.

House No(s) 99-71 Street Name RAU COURT

Borough QUEENS Block 14231 Lot 1357 BIN 4296284 CB No. 410

Work on Floor(s) OSP, 001 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 Mobile Telephone

E-Mail presciniti@haks.net 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: 2

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.

SEE ATTACHED Report

5 Test Report <i>Required for all applications.</i>					
Date	Boring/ Test Pit #	Feet Below Curb	Soil Description	Class Number	Remarks
03-16-16	1	0-2	Silty sand and concrete debris		SEE ATTACHED REPORT
03-16-16	1	2-4	Sand		SEE ATTACHED REPORT
03-16-16	1	4-6	Sand		SEE ATTACHED REPORT
03-16-16	1	6-8	Peat		SEE ATTACHED REPORT
03-16-16	1	8-10	Organic clay		SEE ATTACHED REPORT
03-16-16	1	10-12	Peat		SEE ATTACHED REPORT
03-16-16	2	0-2	Silty sand and concrete debris		SEE ATTACHED REPORT
03-16-16	2	2-4	Silty sand		SEE ATTACHED REPORT
03-16-16	2	4-6	Sand		SEE ATTACHED REPORT
03-16-16	2	6-8	Sand		SEE ATTACHED REPORT
03-16-16	2	8-10	Sand		SEE ATTACHED REPORT
03-16-16	2	10-12	Sand and organics		SEE ATTACHED REPORT
03-16-16	2	12-14	Sand and organics		SEE ATTACHED REPORT

6 Statements and Signatures <i>Required for all applications.</i>	
<p>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.</p> <p>Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both.</p> <p>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.</p>	<p>Name (please print) Philip L Resciniti</p> <p>Signature _____ Date 06-30-2016</p> <div style="text-align: center;">  </div> <p style="text-align: center;">P.E. / R.A. Seal <i>(apply seal, then sign and date over seal)</i></p>

Approvals - Internal Use Only			
Examined and Recommended for Approval		Approved	
Examiner Name		Borough Commissioner Signature	Date
Signature	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: **Morley & Glynn**

HSA: **ASTM 1586**

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Mobilization Date: March 16, 2016

Completion Date: March 16, 2016

UTIS Report #: TBD

GEOTECHNICAL DRILLING REPORT

Client: Institute for Building Technology & Safety (IBTS) **UTIS Drilling Crew** R. Morley / K. Glynn
45207 Research Place, Ashburn VA 20147 (NYC Office) **Developer:** NA
Project: APP-018630 **G.C. Representative:** NA
Job Location: 99-71 Rau Court, Hamilton Beach, Queens NY

Reference Drawings By: NY Land Surveying **Rev #:** None **Revision Date:** NA
Have reference drawings been approved by ARC/ENG: ☒ Yes ☐ No **Approval Date:** March 11, 2016
Samples (Type): (2) Soil Borings w/ SPT **Weather & Temp °F:** Clear 45 °F

Construction Activities: (Indicate activities monitored)

On March 16, 2016 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 with groundwater detected at 2 feet deep at the time of drilling

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?

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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	16 7 41 24	MISC. NYC-BC Class NA	Brown Fine Sand with Silt and Trace of Concrete and Debris and Fill Material	Sample 1
2- 4 FEET BLG	7 7 5 5	SP NYC-BC Class 6	Brown Fine Sand	Sample 2
4 -6 FEET BLG	5 5 6 5	SP NYC-BC Class 6	Brown Fine Sand	Sample 3
6 -8 FEET BLG	3 2 2 2	PT NYC-BC Class 6	Organic Soil- Peat	Sample 4
8 -10 FEET BLG	2 2 2 3	SP NYC-BC Class 6	Grey Organic Clay	Sample 5
10-12 FEET BLG	3 4 3 7	SP NYC-BC Class 6	Grey Organic Clay w/ Peat	Sample 6

Groundwater Detected at: 2' at: 12:00 PM

NOTE: Test Boring was terminated due to excessive hole collapse from high water table

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GEOTECHNICAL DRILLING REPORT

BORING# 1 (N Value Matrix)

Depth of Drilling (or) Sampling	Blows Per (6")	'N' Value	Bearing Capacity
0 – 2 FEET BLG	16 7 41 24	-	0.0
2 - 4 FEET BLG	7 7 5 5	12	0.0
4 -6 FEET BLG	5 5 6 5	11	0.0
6 -8 FEET BLG	3 2 2 2	4	0.0
8-10 FEET BLG	2 2 2 3	4	0.0
10-12 FEET BLG	3 4 3 7	7	0.0

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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	7 43 23 18	MISC. NYC-BC Class NA	Brown Fine Sand with Silt and Trace of Concrete and Debris and Fill Material	Sample 1
2- 4 FEET BLG	27 16 7 5	MISC. NYC-BC Class NA	Brown Fine Sand with Silt and Trace of Concrete and Debris and Fill Material	Sample 2
4 -6 FEET BLG	4 4 5 5	SP NYC-BC Class 6	Brown Fine Sand	Sample 3
6 -8 FEET BLG	2 2 2 1	SP/ PT NYC-BC Class 6	Brown Fine Sand w/ Trace of Organic Soil- Peat	Sample 4
8 -10 FEET BLG	2 3 3 7	SP/ PT NYC-BC Class 6	Brown Fine Sand w/ Trace of Organic Soil- Peat	Sample 5
10-12 FEET BLG	8 8 9 12	SP/ PT NYC-BC Class 6	Brown Fine Sand w/ Trace of Organic Soil- Peat	Sample 6

Groundwater Detected at: 2 at: 1:24 PM

NOTE: Test Boring was terminated due to excessive hole collapse from high water table

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March 16, 2016

Completion Date:

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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	7 43 23 18	-	0.0
2 - 4 FEET BLG	27 16 7 5	23	0.0
4 -6 FEET BLG	4 4 5 5	9	0.0
6 -8 FEET BLG	2 2 2 1	4	0.0
8 - 10 FEET BLG	2 3 3 7	6	0.0
10-12 FEET BLG	8 8 9 12	17	0.0

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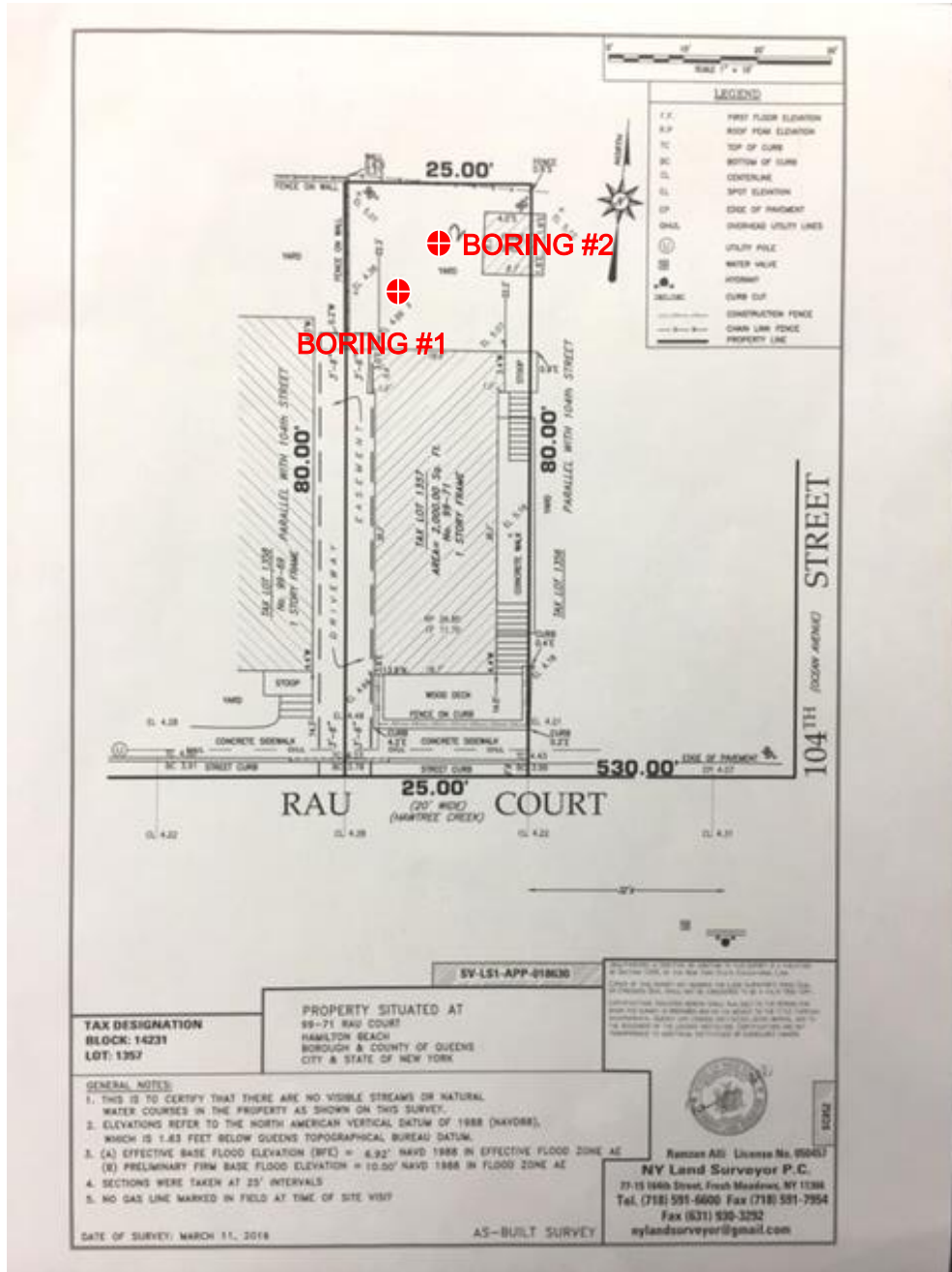
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GEOTECHNICAL DRILLING REPORT

Boring Plan



The Field Representative of Universal Testing is on the site solely to observe/identify operations of the contractor(s), observe conformance with contract documentation/specifications and report those daily findings to the client. The presence and activities therein does NOT relieve the contractor(s) obligation to meet contractual, specification and code requirements. The contractor retains sole responsibility for site safety, methods/means, sequences of construction and frequency of inspections, testing, engineering and general observation therein. This report relates only to the items and/or exact test and/or inspected located and is confidential property of Universal and its client(s). Information contained in this report may not be published or reproduced without written permission from the Universal group; failure to do so may result in legal obligations on your part. Questions or comments please call us at: 1.855.UTEST47

REV C. 05/08