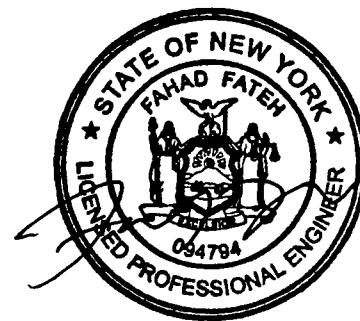


SIEVE ANALYSIS BORING NO. _____ BELOW GROUND SURFACE	
% PASSED	% RETAINED BY NO. 4 SIEVE
% PASSED	% RETAINED BY NO. 40 SIEVE
% PASSED	% RETAINED BY NO. 60 SIEVE
% PASSED	% RETAINED BY NO. 200SIEVE
SIEVE ANALYSIS BORING NO. _____ BELOW GROUND SURFACE	
% PASSED	% RETAINED BY NO. 4 SIEVE
% PASSED	% RETAINED BY NO. 40 SIEVE
% PASSED	% RETAINED BY NO. 60 SIEVE
% PASSED	% RETAINED BY NO. 200SIEVE
SIEVE ANALYSIS BORING NO. _____ BELOW GROUND SURFACE	
% PASSED	% RETAINED BY NO. 4 SIEVE
% PASSED	% RETAINED BY NO. 40 SIEVE
% PASSED	% RETAINED BY NO. 60 SIEVE
% PASSED	% RETAINED BY NO. 200SIEVE

BORING B-1						
DEPTH FT.	SPOON BLOWS PER ½ FT.		SOIL CLASSIFICATION	HOLLOW STEM AUGER	MATERIAL	REMARKS
GROUND SURFACE						
0-2	6	7	6		ORGANIC MATERIAL ,SANDY CLAY , SILT WITH BROKEN BRICKS	UNCONTROLLED FILL
2-4	11	12	3b		SANDY CLAY (SC)	NATURAL FILL
4-6	13	13	3b		SANDY CLAY PEBBLES (SC	NATURAL FILL
6-8	16	13	3b		SANDY CLAY PEBBLES (SC	NATURAL FILL
8-10	16	15	3b		FINE SAND WITH GRAVEL (SW)	NATURAL FILL
10-12	14	16	3b		FINE SAND WITH GRAVEL (SW)	NATURAL FILL
12-14	18	14	3b		FINE SAND WITH GRAVEL (SW)	NATURAL FILL
14-16	16	16	3b		FINE SAND (SW	NATURAL FILL
16-18	19	23	3a		COARSE SAND WITH GRAVEL (SW	NATURAL FILL
18	26	28	3a		HIT ROCK 18FT SPOON REFUSAL	NATURAL FILL



PLOT PLAN



GROUND WATER TABLE (G.W.T) AS NOTED ON BORING LOGS, IS ONLY THE FIRST INDICATION OF WATER ENCOUNTERED BY OUR DRILLERS.				
D.B.A.				
HRF SERVICES CORP				
107-34 156TH STREET; SUITE 1 JAMAICA, NY 11433				
CLIENT: _____				
PROJECT LOCATION: 241-21 BRADDOCK AVENUE, QUEENS 11426				
DATES OF BORINGS: 7/23/19	DRAWING DATE: 7/23/19	DRAWING NUMBER	BLOCK: 7989 LOTS: 3	SHEET NO 2 OF 2

CLASS OF MATERIAL	DESCRIPTION	ALLOWABLE BEARING TONS/SQ. FT.
CLASS 1a	HARD SOUND ROCK	60
CLASS 1b	MEDIUM HARD ROCK	40
CLASS 1c	INTERMEDIATE ROCK	20
CLASS 1d	SOFT ROCK	8
CLASS 2a	DENSE SAND GRAVEL AND GRAVEL	10
CLASS 2b	GRAVEL AND GRAVEL SOIL (SOIL GROUPS GW,GP, GM & GC & GROUPS SW, SP & SM CONTAINING MORE THAN 10% GRAVEL)	6
CLASS 3a	DENSE GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)	6
CLASS 3b	MEDIUM GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)	3
CLASS 4a	CLAYS AND CLAY SOILS (SOIL GROUPS SC, CL & H)	5
CLASS 4b	HARD	3
CLASS 4c	STIFF	2
	MEDIUM	
CLASS 5a	SILTS AND SILT SOILS (SOIL GROUPS ML & MH)	3
CLASS 5b	DENSE	1.5
	MEDIUM	
CLASS 6	ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANAR SOILS AND VAVED SOILS	SEE 1804.2.1
CLASS 7	CONTROLLED AND UNCONTROLLED FILLS	SEE 1804.2.2

COMPACTION RELATED TO SPOON BLOWS PER FOOT			
SAND		SILT & CLAY	
LOOSE	15 OR LESS	SOFT	10 OR LESS
MEDIUM	16 TO 39	MEDIUM	11 TO 29
DENSE	40 OR MORE	HARD	30 OR MORE

SOIL DESCRIPTIONS ARE IN ACCORD WITH THE UNIFIED SOILS CLASSIFICATION SYSTEM AND N.Y.C. BUILDING CODE C26-1103.

ALL BORING ELEVATIONS ARE REFERENCED TO EXISTING GROUND LEVEL AS ZERO ELEVATION.

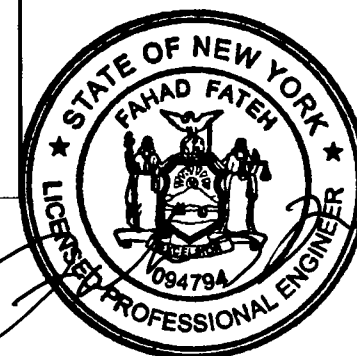
"N"	STANDARD PENETRATION TEST (2" SPOON, 140 lb HAMMER, 30" FALL)
N = 17 BLOWS PER FOOT	SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT

NOTE: ALL THE FIELD SAMPLES WILL BE HELD 30 DAYS FROM THE DATE OF THIS REPORT IN OUR LABORATORY UNLESS OTHERWISE DIRECTED BY THE CLIENT IN WRITING.

	<u>SIZE</u>	<u>O.D.</u>	<u>CORE DIAMETERS</u>
☐	AX	1-7/8"	1-1/8"
☐	BX	2-3/8"	1-5/8"
☐	NX	2-15/16"	2-1/8"
☐	AXM	1-7/8"	1-1/8"
☐	NXM	2-15/16"	2-1/8"
☐	B	2"	1-3/8"

300 LBS. ON 2-1/2" CASING - 18" DROP
140 LBS. ON 2" SPOON - 30" DROP
SPOON - SPLIT SAMPLER - 2" O.D. - 1-3/8" I.D. (24" LONG)

MAJOR DIVISIONS		GROUP SYMBOLS	TYPICAL NAMES
1	2	3	4
COARSE-GRAINED SOILS MORE THAN HALF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE THE NO. 200 SIEVE SIZE IS ABOUT THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO.4 SIEVE SIZE	CLEAN GRAVELS (LITTLE OR NO FINES)	GW WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GP POORLY GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO.4 SIEVE SIZE	CLEAN SANDS (LITTLE OR NO FINES)	GM SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURE.
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GC CLAYEY GRAVELS, GRAVEL SAND-CLAY MIXTURES.
			SW WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE THE NO. 200 SIEVE SIZE IS ABOUT THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE	SILTS & CLAYS LIQUID LIMIT IS LESS THAN 50	SP POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.	SP POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
		SM SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	SM SILTY SANDS, SAND-SILT MIXTURES.
	SILTS & CLAYS LIQUID LIMIT IS LESS THAN 50	SC CLAYEY SANDS, SAND-CLAY MIXTURES.	SC CLAYEY SANDS, SAND-CLAY MIXTURES.
		ML INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.	ML INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
		CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.	CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.
	SILTS & CLAYS LIQUID LIMIT IS GREATER THAN 50	OL ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY.	OL ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY.
		MH INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS.	MH INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS.
		CH INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.	CH INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
		OH ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS.	OH ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS.
	HIGHLY ORGANIC SOILS	Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS.



107-34 156TH STREET; SUITE 1
JAMAICA,NY 11433

PROJECT LOCATION: 241-21 BRADDOCK AVENUE, QUEENS 11426

DATES OF BORINGS: 7/23/19	DRAWING DATE: 7/23/19	DRAWING NUMBER	BLOCK: 7989 LOTS: 3	SHEET NO 1 OF 2
----------------------------------	------------------------------	----------------	------------------------	--------------------