

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

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
CLASS 5a	MEDIUM	2
CLASS 5a	SILTS AND SILT SOILS (SOIL GROUPS ML & MH)	3
CLASS 5b	DENSE	1.5
CLASS 5b	MEDIUM	1.5
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 BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
SOIL DESCRIPTIONS ARE IN ACCORD WITH THE UNIFIED SOILS CLASSIFICATION SYSTEM AND N.Y.C. BUILDING CODE C26-1103.
GROUND WATER WAS MEASURED INSIDE THE DRILL CASING OR HOLLOW AUGER AT THE COMPLETION OF EACH BOREHOLE.
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

THIS REPORT IS SUBMITTED WITH THE SPECIFIC UNDERSTANDING THAT THE SOLE LIABILITY OF PHEONIX DRILLING & LABORATORIES, ITS ENGINEERS AND EMPLOYEES FOR ERRORS AND OMISSIONS IS LIMITED TO THE AMOUNT OF THE FEE PAID FOR THIS REPORT. THE USE OF THIS REPORT WILL CONSTITUTE AN ACCEPTANCE BY THE CLIENT OF THIS DISCLAIMER. THE FEE CHARGED FOT THIS REPORT IS PREDICATED UPON THIS LIMITATION OF LIABILITY WHICH IS THE ESSENCE OF THIS AGREEMENT. IF THESE TERMS ARE NOT ACCEPTABLE, CLIENT MUST NOTIFY PHEONIX DRILLING & LABORATORIES IN WRITING BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED, WITHIN FIVE (5) DAYS. PHEONIX DRILLING & LABORATORIES, ITS ENGINEERS AND EMPLOYEES DO NOT ACCEPT ANY LIABILITY OR RESPONSIBILITY FOR PERSONS OTHER THAN THE CLIENT FOR WHOM THIS WORK WAS DIRECTLY PREPARED AND ANY SUCH PERSON, FIRM OR CORPORATION RELIES ON THIS REPORT AT HIS OWN RISK.
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.

TYPE OF CORE BARRELS AND DIAMOND BITS:

	SIZE	O.D.	CORE DIAMETERS
☐	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"

WEIGHT OF HAMMERS:
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)

TYPICAL NAMES		4	
MAJOR DIVISIONS	GROUP SYMBOLS	3	4
		GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.
		GP	POORLY GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.
		GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURE.
		GC	CLAYEY GRAVELS, GRAVEL SAND-CLAY MIXTURES.
		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
		SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
		SM	SILTY SANDS, SAND-SILT 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.
HIGHLY ORGANIC SOILS		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.
		OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY.
		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS.
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
		OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS.
		Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS.



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.
AA SOIL & CONCRETE TESTING
103-17 ROCKAWAY BOULEVARD,
OZONE PARK, NY 11417

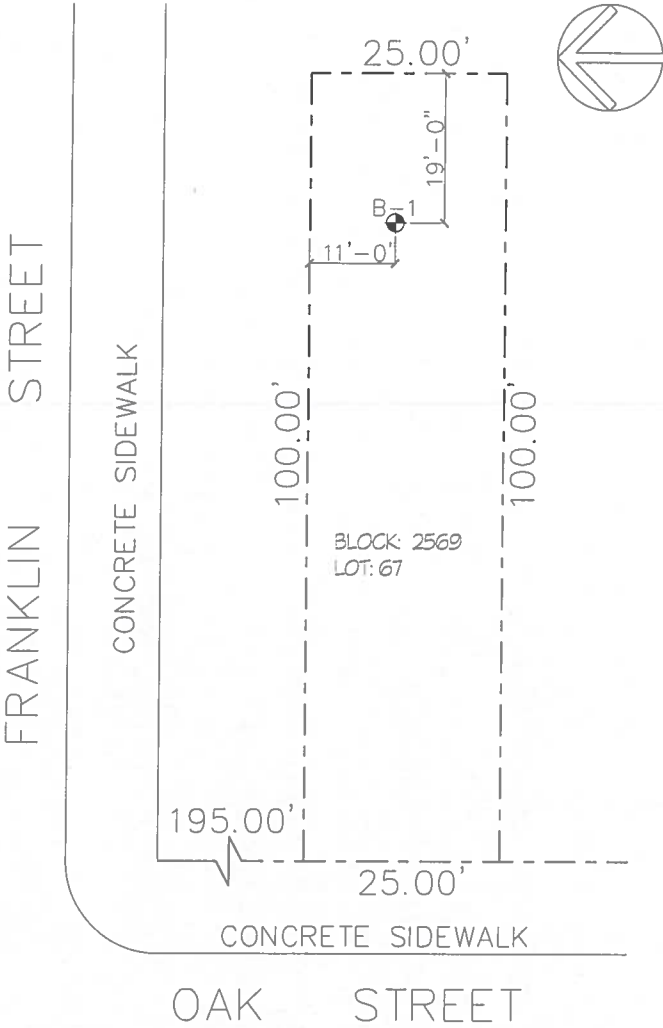
CLIENT: _____

PROJECT LOCATION: 127 OAK STREET, BROOKLYN, NY, 11222

DATES OF BORINGS:	DRAWING DATE:	DRAWING NUMBER	BLOCK: 2569	SHEET NO
06-01-15	06-01-15		LOT: 67	1 OF 2

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
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% 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 MATERIALS, SILT WITH BROKEN BRICKS	UNCONTROLLED FILL
2-4	8	8	3b		FINE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
4-6	4	3	3b		FINE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
6-8	9	10	3b		FINE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
8-10	11	11	3b		FINE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
10-12	12	10	3b		FINE SAND, GRAVEL WITH TRACES OF WATER (SW)	NATURAL FILL
12-14	13	14	3b		FINE SAND, GRAVEL WITH TRACES OF WATER (SW)	NATURAL FILL
14-16	16	16	3b		COARSE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
16-18	17	15	3b		COARSE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
18-20	18	14	3b		COARSE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
20-22	18	16	3b		COARSE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
22-24	18	18	3b		COARSE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL
24-26	14	16	3b		COARSE SAND WITH TRACES OF GRAVEL (SW)	NATURAL FILL



PLOT PLAN

SCALE: 3/32" = 1'-0"



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DATES OF BORINGS	DRAWING DATE	DRAWING NUMBER	BLOCK: 2569 LOT: 67
06-01-15	06-01-15		
			SHEET NO 2 OF 2