

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	3
CLASS 5b	SILTS AND SILT SOILS (SOIL GROUPS ML & MH)	1.5
CLASS 6	DENSE	SEE 1804.2.1
CLASS 7	MEDIUM	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.

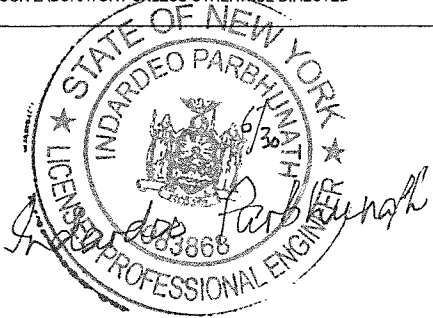
"N"	STANDARD PENETRATION TEST (2" SPOON, 140 lb HAMMER, 30" FALL)
N = 17 BLOWS PER FOOT	SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT

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.
		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.
IP CONCRETE TESTING & INSPECTION INC
101-01 101 AVENUE
QUEENS, NY 11416

CLIENT: _____
PROJECT LOCATION: 1168 52 STREET ,BROOKLYN,NY 11234

DATES OF BORINGS:	DRAWING DATE:	DRAWING NUMBER	BLOCK:5661 LOT:32	SHEET NO 1 OF 2
06-30-2020	06-30-2020			

BORING B-1						
DEPTH FT.	SPOON BLOWS PER ½ FT.		SOIL CLASSIFICATION	HOLLOW STEM AUGER	MATERIAL	REMARKS
GROUND SURFACE						
0-2	5	6	6		ORGANIC MATERIAL , SANDY CLAY ,SILT WITH GRAVEL	UNCONTROLLED FILL
2-4	10	11	3b		BROWN SANDY CLAY(SC	NATURAL FILL
4-6	15	16	3b		BROWN SANDY CLAY WITH PEBBLES(SC	NATURAL FILL
6-8	16	17	3b		BROWN SANDY CLAY WITH PEBBLES(SC	NATURAL FILL
8-10	18	13	3b		BROWN FINE SAND WITH SILT(SM	NATURAL FILL
10-12	18	14	3b		BROWN FINE SAND WITH SILT(SM	NATURAL FILL
12-14	19	20	3a		BROWN COARSE SAND WITH GRAVEL(SM	NATURAL FILL
14-16	21	20	3a		BROWN COARSE SAND WITH GRAVEL(SM	NATURAL FILL
16-18	21	26	3a		BROWN COARSE SAND WITH GRAVEL(SM	NATURAL FILL
18-20	29	28	3a		BROWN COARSE SAND WITH MOISTURE (SM	NATURAL FILL
20-22	29	30	3a		BROWN COARSE SAND WITH MOISTURE (SM	NATURAL FILL
22-24	39	41	3a		BROWN COARSE SAND (SM	NATURAL FILL
24-25	49	59	3a		BROWN COARSE SAND (SM	NATURAL FILL
25.5FT					HIT ROCK 25.5FT SPOON REFUSAL	

BORING B-2						
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 GRAVEL	UNCONTROLLED FILL
2-4	13	14	3b		BROWN SANDY CLAY(SC	NATURAL FILL
4-6	14	17	3b		BROWN SANDY CLAY WITH PEBBLES(SC	NATURAL FILL
6-8	18	15	3b		BROWN SANDY CLAY WITH PEBBLES(SC	NATURAL FILL
8-10	19	18	3b		BROWN SANDY CLAY SC	NATURAL FILL
10-12	17	16	3b		BROWN FINE SAND WITH SILT(SM	NATURAL FILL
12-14	17	18	3b		BROWN FINE SAND WITH SILT(SM	NATURAL FILL
14-16	18	17	3b		BROWN FINE SAND(SM	NATURAL FILL
16-18	22	24	3a		BROWN COARSE SAND WITH GRAVEL(SM	NATURAL FILL
18-20	39	28	3a		BROWN COARSE SAND WITH MOISTURE (SM	NATURAL FILL
20-22	35	39	3a		BROWN COARSE SAND WITH MOISTURE (SM	NATURAL FILL
22-23	44	47	3a		BROWN COARSE SAND WITH GRAVEL (SM	NATURAL FILL
23.5FT					HIT ROCK 23.5FT SPOON REFUSAL	



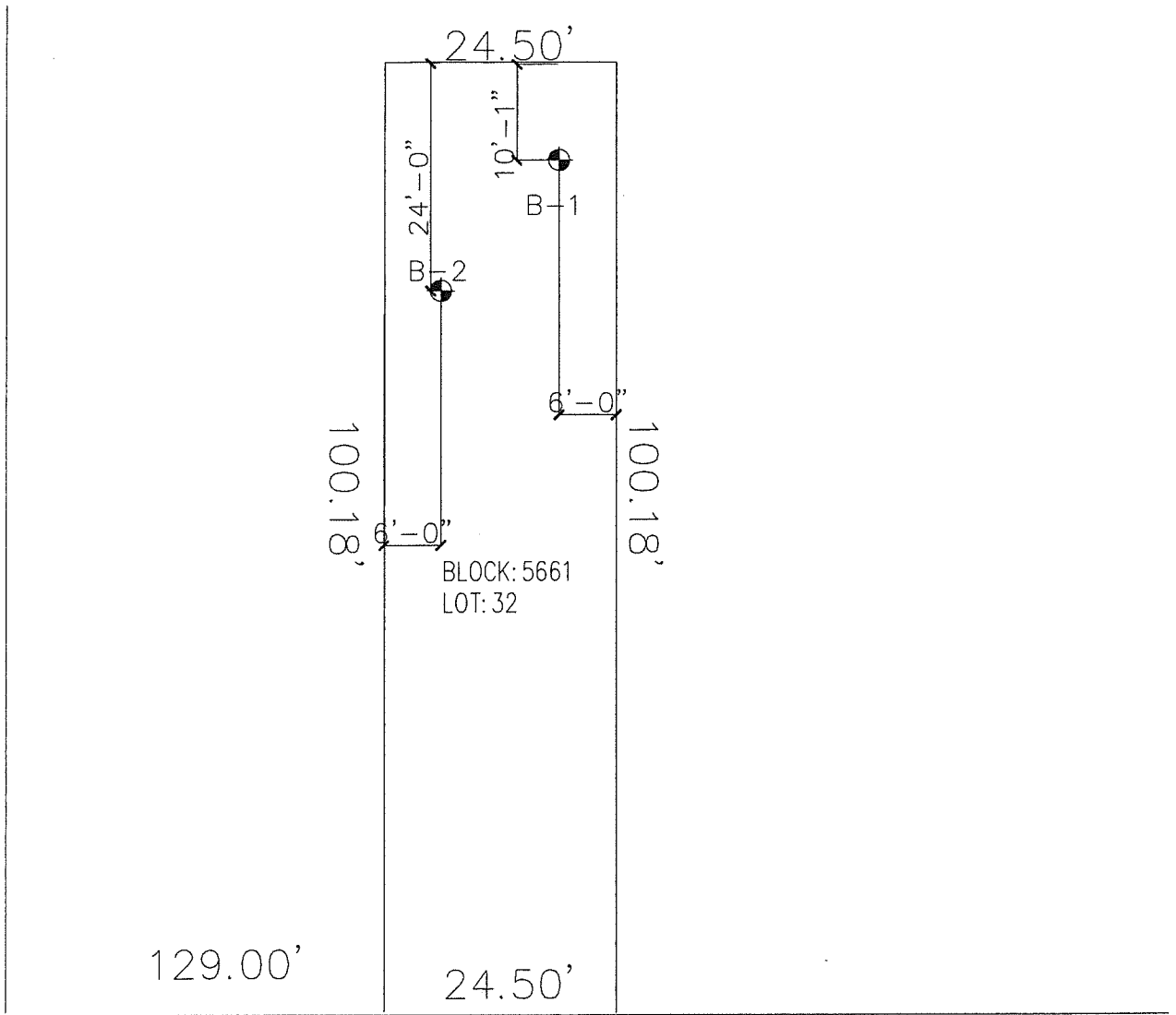
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SIEVE ANALYSIS BORING NO. _____ BELOW GROUND SURGACE	
% PASSED	% RETAINED BY NO. 4 SIEVE
% PASSED	% RETAINED BY NO. 40 SIEVE
% PASSED	% RETAINED BY NO. 60 SIEVE
% PASSED	% RETAINED BY NO. 200SIEVE
SIEVE ANALYSIS BORING NO. _____ BELOW GROUND SURGACE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



12TH AVENUE

CONCRETE SIDEWALK



CONCRETE SIDEWALK

52 STREET

PLOT PLAN

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

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DATES OF BORINGS: 06-30-2020	DRAWING DATE: 06-30-2020	DRAWING NUMBER	BLOCK:5661 LOT:32	SHEET NO 3 OF 3