



CLIENT NAME:
MASANI HOLDING
COMPANY

PROJECT NAME:
883 BRYANT AVENUE
BRONX



No.	DATE:	FOR REVIEW	REVISION

DRILLING DATE:
07/15/2021

DRILLER:
LUIS

HELPER:
FRANK

DRAWING DATE:
07/21/2021

DRAWING No.:
10149

DRAWN BY:
A.S

PAGE:
1 of 2

MAJOR DIVISIONS	GROUP SYMBOLS	TYPICAL NAMES
1	2	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	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 MIXTURES.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	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.
FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE THE NO. 200 SIEVE SIZE IS ABOUT THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE	SANDS WITH FINES (APPROXIMATE AMOUNT OF 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.
	SILTS & CLAYS LIQUID LIMIT IS LESS THAN 50	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.
HIGHLY ORGANIC SOILS	SILTS & CLAYS LIQUID LIMIT IS LESS THAN 50	CH INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
		OH ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS.
HIGHLY ORGANIC SOILS	SILTS & CLAYS LIQUID LIMIT IS LESS THAN 50	Pt PEAT AND OTHER HIGHLY ORGANIC SOILS.

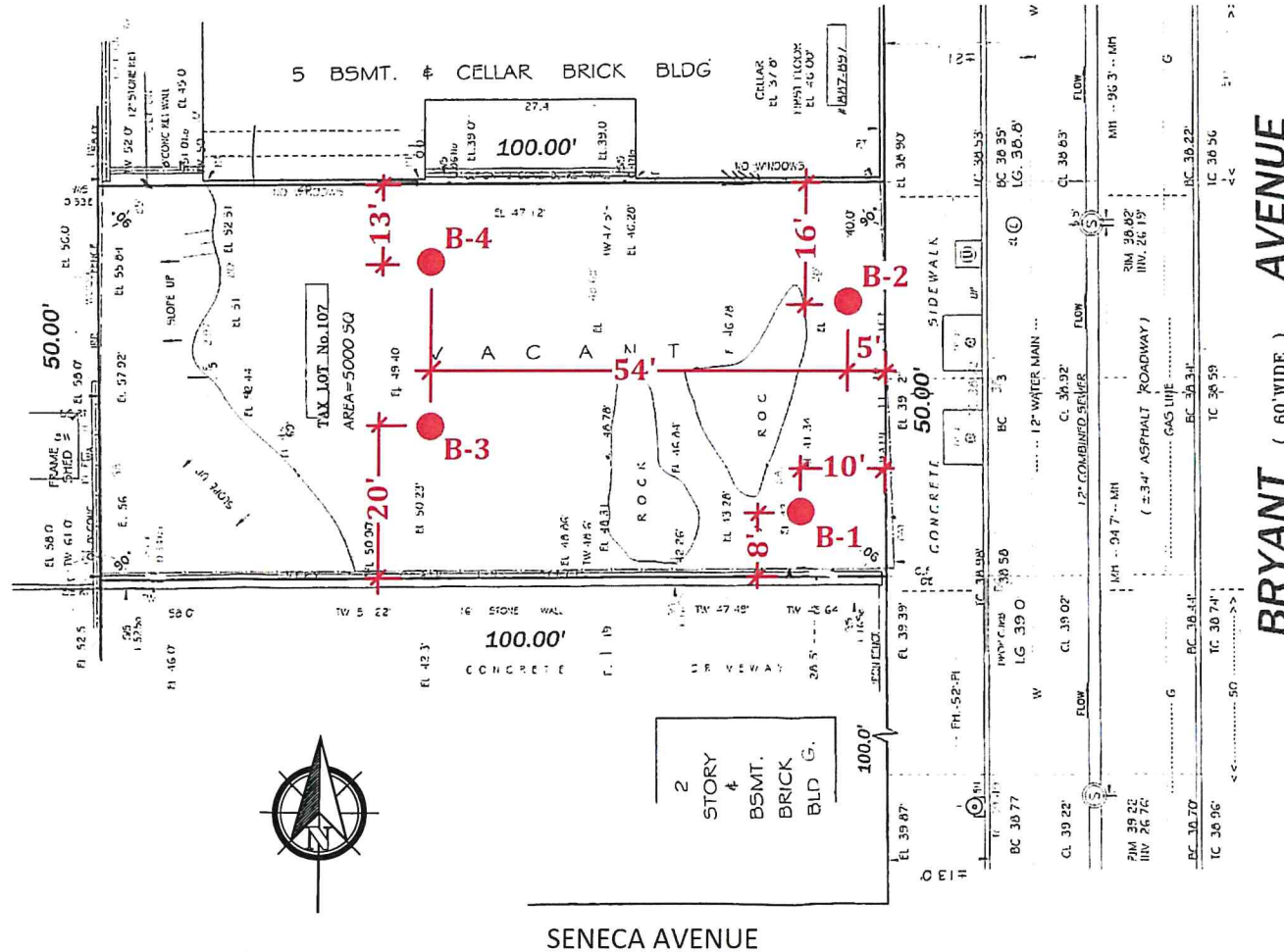
"N"
STANDARD PENETRATION TEST
(2" SPOON, 140 lb HAMMER, 30" FALL)

SPoon BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE, TO OBTAIN BLOWS PER FOOT (N) USE THE 2nd & 3rd 6" INCREMENT

SOIL SAMPLES AND FIELD REPORTS WILL BE DISCARDED AFTER SIX MONTHS.
THIS REPORT IS SUBMITTED WITH THE SPECIFIC UNDERSTANDING THAT THE SOLE LIABILITY OF BIG APPLE TESTING, INC., 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 FOR THIS REPORT IS PREDICTED UPON THIS LIMITATION OF LIABILITY WHICH IS THE ESSENCE OF THIS AGREEMENT. IF THESE TERMS ARE NOT ACCEPTABLE, CLIENT MUST NOTIFY BAT, INC. IN WRITING BY CERTIFY EMAIL RETURN RECEIPT REQUESTED WITHIN FIVE (5) DAYS. BIG APPLE TESTING, INC., 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.

BORING CONTRACTOR'S CERTIFICATION
BIG APPLE TESTING, INC. CERTIFIES AS TO THE ACCURACY OF THE SPOON AND CASING BLOWS AND ELEVATIONS AND METHOD OF BORING.
THE FOLLOWING EQUIPMENT WAS USED:
EQUIPMENT:
CME 55 ☐ CME-45C ☐ ACKER-SCOUT ☒ SENTRY ☐
CME 45 ☐ MOBIL B61 ☐ SIMCO 2800 ☐ TRIPOD ☐
OTHER ☐ NAME OF EQUIPMENT AND MODEL: _____
TYPE OF CORE BARRELS AND DIAMOND BITS
SIZE OD CORE DIAMETERS
☐ AX 1 3/8" 1 3/8"
☐ BX 2 3/8" 1 3/8"
☐ NX 2 3/8" 2 3/8"
☐ AXM 1 3/8" 1 3/8"
☐ NXM 2 3/8" 2 3/8"
☐ 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)
WATER NOTED ON PRINT IS ONLY FIRST INDICATION OF WATER
FOR EXACT RESULTS CALL OUR WELL POINT TEST.
WATER LEVEL MAY FLUCTUATE 5' ±

ALLOWABLE SOIL BEARING PRESURES N.Y.C. BUILDING CODE 2014 TABLE 1804.1			NOTES:
CLASS OF MATERIALS (Notes 1 and 3)	MAXIMUM ALLOWABLE BEARING PRESURE (TSF)	MAXIMUM ALLOWABLE BEARING PRESURE (kPa)	
1. Bedrock (Notes 2 and 7) 1a. Hard sound rock 1b. Medium rock 1c. Intermediate rock 1d. Soft rock	60 40 20 8	5,746 3,830 1,815 766	1. Where there is doubt as to the applicable classification of a soil or rock stratum, the allowable bearing pressure applicable to the lower class of material to which the given stratum might conform shall apply. 2. The tabulated values of allowable bearing pressures apply only for massive rocks, or for sedimentary or foliated rocks where the strata are level or nearly so, and then only if the area has ample lateral support. The allowable bearing pressure for tilted strata and their relation to nearby slopes or excavations shall be evaluated by the engineer responsible for the geotechnical investigation. The tabulated values for Class 1a materials (hard sound rock) may be increased by 25 percent provided the engineer performs additional tests and/or analyses substantiating the increase. 3. For intermediate conditions, values of allowable bearing pressure shall be estimated by interpolation between indicated extremes. 4. Footing embedment in soils shall be in accordance with Section 1805.3 and the width of the loaded area shall not be less than 18 inches (457 mm), unless analysis demonstrates that the proposed construction will have a minimum factor of safety of 2.0 against shear failure of the soil. 5. Estimates of settlements shall govern the allowable bearing pressure, subject to the maximums given in this table, and as provided in Section 1804.2. 6. Allowable bearing pressure of clay soils shall be established on the basis of the strength of such soils as determined by field or laboratory tests and shall provide a factor of safety against failure of the soil of not less than 2.0 computed on the basis of a recognized procedure of soils analysis, shall account for probable settlements of the building and shall not exceed the tabulated maximum values. 7. Allowable bearing pressure may be increased due to embedment of the foundation. The allowable bearing pressure for intermediate rock (1c), medium hard rock (1b), and hard sound rock (1a) shall apply where the loaded area is on the rock surface. Where the loaded area is below the rock surface and is fully confined by the adjacent rock mass and provided that the adjacent rock mass above the bearing surface is of the same rock class or better, and the rock mass has not been shattered by blasting or otherwise is or has been rendered unsound, the allowable bearing pressure may be increased 10 percent of the base value for each 1 foot (0.3 meters) of embedment below the surface of the adjacent rock surface in excess of 1 foot (0.3 meters), but shall not exceed 200 percent of the values. 8. The allowable bearing pressure for soils of Classes 2, 3, 4, and 5 determined in accordance with Notes 3, 4, and 5 above, shall apply where the loaded area is embedded 4 feet (1219 mm) or less in the bearing stratum. Where the loaded area is embedded more than 4 feet (1219 mm) below the adjacent surface of the bearing stratum, and is fully confined by the weight of the adjacent soil, the allowable bearing pressure may be increased 5 percent of the base value for each 1-foot (305 mm) additional embedment, but shall not exceed twice the values. Increases in allowable bearing pressure due to embedment shall not apply to soft rock, clays, silts and soils of Classes 6 and 7. 9. The allowable bearing pressure for soils of Classes 2, 3, 4, and 5 determined in accordance with this table and the notes thereto, may be increased up to 1/3 where the density of the bearing stratum below the bottom of the footings increases with depth and is not underlain by materials of a lower allowable bearing pressure. Such allowable bearing pressure shall be demonstrated by a recognized means of analysis that the probable settlement of the foundation due to compression, and/or consolidation does not exceed acceptable limits for the proposed building. 10. The maximum toe pressure for eccentrically loaded footings may exceed the allowable bearing pressure by up to 25 percent if it is demonstrated that the heel of the footing is not subjected to tension.
2. Sandy gravel and gravel (GW, GP) (Notes 3, 4, 8, and 9) 2a. Dense 2b. Medium	10 6	958 575	
3. Granular soils (GC, GM, SM, SP, SM, and SC) (Notes 4, 5, 8, and 9) 3a. Dense 3b. Medium	6 3	575 281	
4. Clays (SC, CL, and CH) (Notes 4, 6, 8, and 9) 4a. Hard 4b. Stiff 4c. Medium	5 3 2	479 281 192	
5. Silts and silty soils (ML and MH) (Notes 4, 8, and 9) 5a. Dense 5b. Medium	3 1.5	281 144	
6. Nominally Unsatisfactory Bearing Materials: Loose granular soils Soft clay soils Loose silt • All organic silts, organic clays, peats, soft clays, granular soils and varved silts.	See 1804.2.1	See 1804.2.1	
7. Controlled and uncontrolled fills	See 1804.2.2 or 1804.2.3	See 1804.2.2 or 1804.2.3	



PLAN

SCALE: NTS

NOTES

1. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

BORING B-107/15/2021			BORING B-2/P-107/15/2021			BORING B-3/P-207/14/2021			BORING B-407/14/2021		
DEPTH FEET	SPOON BLOWS PER 1/2 FT.	MATERIAL	DEPTH FEET	SPOON BLOWS PER 1/2 FT.	MATERIAL	DEPTH FEET	SPOON BLOWS PER 1/2 FT.	MATERIAL	DEPTH FEET	SPOON BLOWS PER 1/2 FT.	MATERIAL
GROUND SURFACE EL 40.54 FT +/- NAVD88*			GROUND SURFACE EL 41 FT +/- NAVD88*			GROUND SURFACE EL 50.5 FT +/- NAVD88*			GROUND SURFACE EL 49.5 FT +/- NAVD88*		
5	5	9	5	30	49	5	7	11	5	9	19
	15	31		65+			14	27		33	50+
	50+			69+			65+			55+	
	0 to 2 Feet Silty sand, trace rock fragments (SM) Class 3b			0 to 3 Feet Soft rock Class 1d			0 to 2 Feet Silty sand, some rock fragments (SM) Class 3b			0 to 2 Feet Silty sand, some rock fragments (SM) Class 3a	
10	2 to 3 Feet Medium fine sand with soft rock (SP) Class 3a		10	3 to 8 Feet ROLLER BIT		10	2 to 3 Feet Soft rock Class 1d		10	2 to 3 Feet Soft rock Class 1d	
	3 to 9 Feet ROLLER BIT			8 to 13 Feet Soft rock (RUN #1) Class 1d			3 to 9 Feet ROLLER BIT			3 to 9 Feet ROLLER BIT	
15	9 to 14 Feet Medium hard rock (RUN #1) Class 1b		15	RECOVERY=93%,R.Q.D.=20%		15	3 to 13 Feet ROLLER BIT		15	9 to 14 Feet Intermediate rock (RUN#1) Class 1c	
	RECOVERY=93%,R.Q.D.=65%			13 to 18 Feet Medium hard rock (RUN #2) Class 1b			13 to 18 Feet Medium hard rock (RUN #1) Class 1b			RECOVERY=96%,R.Q.D.=41%	
20	14 to 19 Feet Medium hard rock (RUN #2) Class 1b		20	RECOVERY=98%,R.Q.D.=75%		20	RECOVERY=88%,R.Q.D.=51%		20	14 to 19 Feet Medium hard rock (RUN #2) Class 1b	
	RECOVERY=98%,R.Q.D.=80%						18 to 23 Feet Medium hard rock (RUN #2) Class 1b			RECOVERY=95%,R.Q.D.=56%	
25			25			25			25		
30			30			30			30		
35			35			35			35		
40			40			40			40		
45			45			45			45		
50			50			50			50		
55			55			55			55		