

"N"



N = 21
BLOWS
PER
FOOT

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-45 C ☐	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 1/8"	
☐ BX	2 3/8"	1 3/8"	
☐ NX	2 5/8"	2 1/8"	
☐ AXM	1 3/8"	1 1/8"	
☐ NXM	2 5/8"	2 1/8"	
☐ B	2"	1 3/8"	

WEIGHT OF HAMMERS:

300 lbs on 2 1/2" CASING - 16" 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' ±

[illegible]

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.

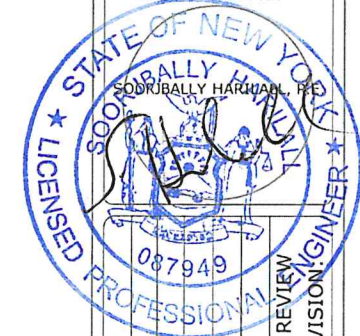
NOTES:

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 Ia 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 (Ic), medium hard rock (Ib), and hard sound rock (Ia) 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 thereof may be increased up to 1/2 where the density of the bearing stratum below the bottom of the footings increases with depth and is not unduly by materials of 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.



PROJECT NAME:
1296-1298 NEW YORK AVE
BROOKLYN

P.E. AFFIX SEAL:



OR REVIEW
REVISION:

DRILLING DATE: 07/27/2020

DRILLER:
ROBERTO

HELPER: EARL

DRAWING DATE:
07/30/2020

DRAWING No.: 9367

DRAWN BY:
A.S.

PAGE: 1 of 2

