



BORING NOTES

1. Soil borings are in accordance with the NYC 2008 Building Code Chapter 17 “Structural Tests and Inspections’ and Chapter 18 “Soils and Foundations”
2. Weight of hammer on 2”x24” split spoon is 140 lbs with a 30 inch drop.
3. Weight of hammer on 2-1/2” casing is 250 lbs with a 24 inch drop.
4. Boring elevations are approximate.
5. NPT blow count is the sum of the second and third 6 inch increment.
6. Water level, if encountered, is noted in the sample remarks, the opening notes of the report and depth in ().
7. These borings were made and carried to the depth indicated. The descriptions and classifications are a true representation of the soils found at the depths shown.

TABLE 1804.1 – ALLOWABLE BEARING PRESSURES

For Notes, see the 2014 Building Code

CLASS OF MATERIALS (Notes 1 and 3)	MAXIMUM ALLOWABLE FOUNDATION PRESS (TSF)
1. Bedrock (Notes 2 & 7)	
1a Hard sound rock - gneiss, diabase, schist.....	60
1b Medium hard rock - marble, serpentine.....	40
1c Intermediate rock - shale, sandstone.....	20
1d Soft rock - weathered rock.....	8
2. Sandy gravel and gravel (GW, GP) (Notes 3, 4, 8 and 9)	
2a Dense.....	10
2b Medium.....	6
3. Granular soils (GC, GM, SW, SP, SM and SC) (Notes 4, 5, 8 and 9)	
3a Dense.....	6
3b Medium.....	3
4. Clays (SC, CL and CH (Notes 4, 6, 8 and 9)	
4a Hard.....	5
4b Stiff.....	3
4c Medium.....	2
5. Silts and silty soils (ML and MH) (Notes 4, 8 and 9)	
5a Dense.....	3
5b Medium.....	1.5
6. Organic silts, organic clays, peats, soft clays, loose granular soils and varved silts.....	See 1804.2.1
7. Controlled and uncontrolled fills.....	See 1804.2.2 or 1804.2.3



TABLE 1804.1 – UNIFIED SOIL CLASSIFICATION

COARSE GRAINED SOILS

BOULDERS – 12 inches or more

COBBLES – 3 inches to 12 inches

GRAVELS – 3/4 inch to 3 inches

Clean Gravels

GW.....Well-graded gravels, gravel-sand mixture, little or no fines

GP.....Poorly graded gravels or gravel-sand mixture, little or no fines

Gravels with Fines

GM.....Silty gravels, gravel and silt mixtures

GC.....Clayey gravels, gravel and clay mixtures

SANDS – 0.075 mm to 4.75 mm

Clean Sands

SW.....Well-graded sands, gravelly sands, little or no fines

SP.....Poorly graded sands or gravelly sands, little or no fines

Sands with Fines

SM.....Silty sands, sand-silt mixtures

SC.....Clayey sands, sand-clay mixtures

FINE GRAINED SOILS – Less than 0.075 mm

SILTS AND CLAYS (Liquid Limit is less than 50)

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 with slight plasticity

SILTS AND CLAYS (Liquid Limit is greater than 50)

OL.....Organic silts and 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

HIGHLY ORGANIC SOILS

PT.....Peat and other highly organic soils