



NOTES

- SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
- SOIL DESCRIPTIONS ARE IN ACCORD WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
- GROUND WATER TABLE WAS MEASURED INSIDE THE DRILL CASING AT THE COMPLETION OF EACH BOREHOLE.
- GROUND WATER WHERE ENCOUNTERED AT THIS SITE IS PERCHED IN SOME AREAS AND NOT CONSIDERED RELIABLE.
- SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
- SOIL SAMPLES WERE OBTAINED USING A CENTRAL MINE EQUIPMENT (CME) AUTOMATIC TRIP HAMMER.
- STAKEOUT AND ELEVATIONS BY OTHERS.

UNIFIED SOIL CLASSIFICATION		
SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS	
1a THRU 1d	BED ROCK	
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 MIXTURE	
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, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY	
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS	
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	
PT	PEAT AND OTHER HIGHLY ORGANIC SOILS	

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

CLASS OF MATERIALS (Notes 1 and 3)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (PSF)
	1. BEDROCK (NOTES 2 and 7)	
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST	80	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,330
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	769
2. SANDY GRAVELS AND GRAVELS (GW, GP) (NOTES 3, 4, 8, and 9)		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC) (NOTES 4, 6, 8, and 9)		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH) (NOTES 4, 6, 8, and 9)		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML and MH) (NOTES 4, 6, and 9)		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE 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

COMPACTION RELATED TO SPOON BLOW/FOOT		STANDARD PENETRATION TEST	
SOIL	"N"	SOIL & CLAY	STANDARD PENETRATION TEST
LOOSE	15 OR LESS	SOFT	10 OR LESS
MEDIUM	16 TO 39	MEDIUM	11 TO 29
DENSE	40 OR MORE	HARD	30 OR MORE

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BORING PLAN (Subsurface Investigation)

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