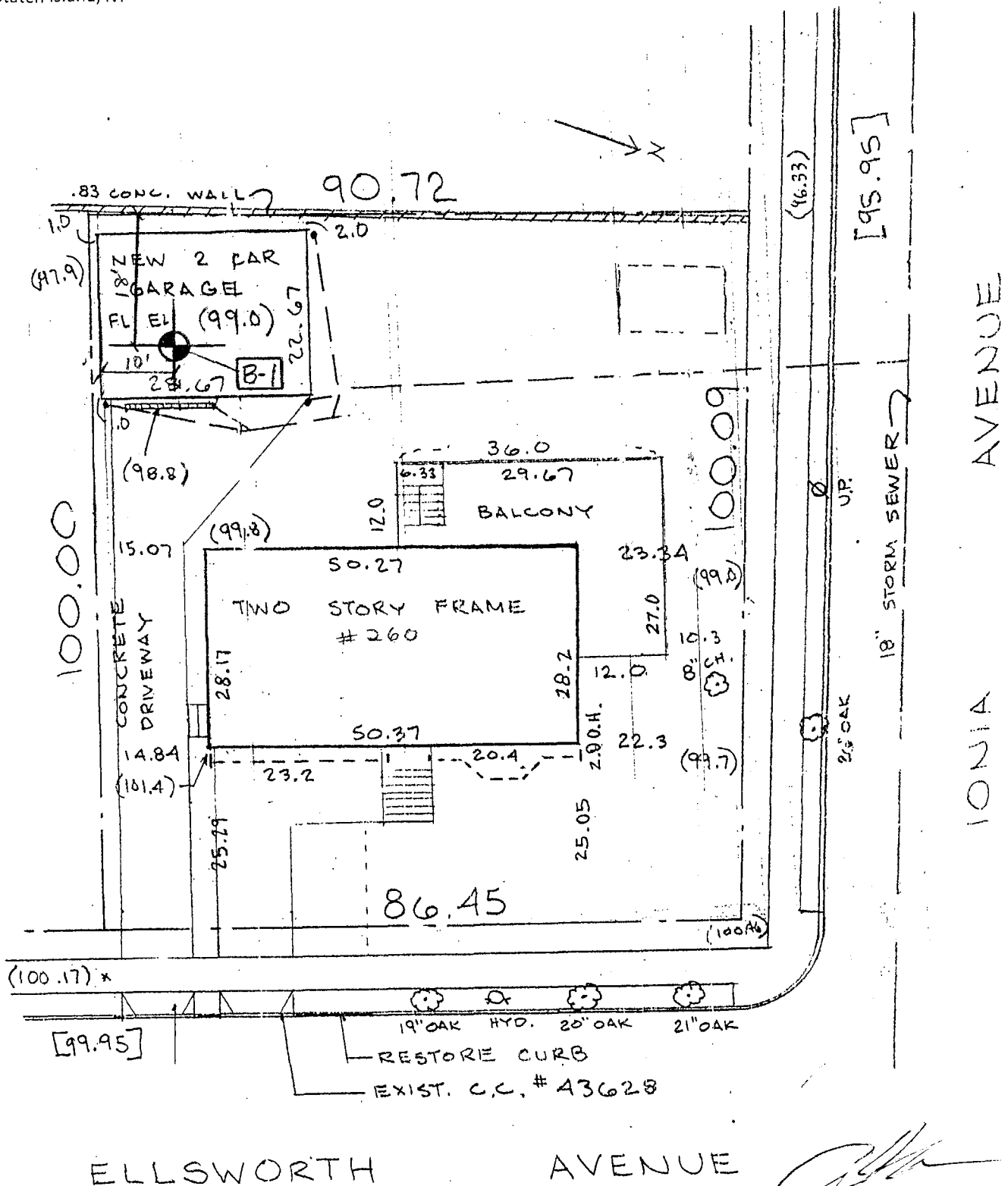


Staten Island, NY

Job Number

Scan Code



A Tech Engineering NYC, PLLC
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A Tech Engineering NYC, P.L.L.C. 4442 Arthur Kill Rd. S.I.N.Y. 10309 (718) 948-2785	Client: Mario & Joanne Parisi Project: Block: 6834 Lot:33 Address: 260 Ellsworth Avenue, Staten Island NY	BORING LOG Boring No. B-1 (Building) Page: 1 of 1
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Drilling Start Date: 9/13/19 Drilling End Date: Drilling Company: Drill Masters Inc. Drilling Method: Hollow Stem Auger Drilling Equipment: Acker Soil XLS Driller: Logged By: Anthony Santoro, P.E.	Boring Depth (ft): 25.0 Boring Diameter (in): Sampling Method(s): Split Spoon DTW During Drilling (ft): N/A DTW After Drilling (ft): N/A Ground Surface Elev. (ft): Location (Lat, Long):
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DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0') Organic		0
								(1') Clayey SAND (SC); Wet, Silty Sand and Clay	(1.0') SC 4c	
									(2.0') Trapped Water Encountered at 2'	
								(4') Clayey SAND (SC); Clay and Some Silty Sand	(4.0') SC 4c	
5						0.00	14			5
						6				
						8		(7') Clayey SAND (SC); Silty Sand, Trace of Clay, Trace of Gravel	(7.0') SC 3b	
10						0.00	24	(10') Clayey SAND (SC); Silty Sand and Clay, Trace of Gravel	(10.0') SC 4b	10
						13				
						11				
15						0.00	23	(14') Clayey SAND (SC); Silty Sand and Clay	(14.0') SC 4b	15
						12				
						11				
20						0.00	20	(18') Clayey SAND (SC); Clay and Trace of Silty Sand	(18.0') SC 4b	20
						10				
						10				
25						0.00	25	(25') Boring terminated		25
						12				
						13				
30										30
35										35
40										40

NOTES: 1. Elevations refer to North American Vertical Datum (NAVD) of 1988. 2. Groundwater can appear/fluctuate due to rain, tides, season, and cresting groundwater on dates other than tested and/or signed herewith. 3. For site specific bearing capacity, refer to blow counts of SPT.

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BORING AND WELL LOG LEGEND

LITHOLOGY	WATER LEVEL WELL/BORING COMPLETION	Sample Type	DESCRIPTION
			ASPHALT CONCRETE BEDROCK IGNEOUS Rock METAMORPHIC Rock SEDIMENTARY Rock Well-graded GRAVEL (GW) Poorly graded GRAVEL (GP) Silty GRAVEL (GM) Clayey GRAVEL (GC) Well-graded GRAVEL with silt (GW-GM) Poorly graded GRAVEL with silt (GP-GM) Well-graded GRAVEL with clay (GW-GC) Poorly graded GRAVEL with clay (GP-GC) Well-graded SAND (SW) Poorly graded SAND (SP) Silty SAND (SM) Clayey SAND (SC) Well-graded SAND with silt (SW-SM) Poorly graded SAND with silt (SP-SM) Well-graded SAND with clay (SW-SC) Poorly graded SAND with clay (SP-SC) SILT (ML) Lean CLAY (CL) Organic SOIL (OL) Elastic SILT (MH) Fat CLAY (CH) Organic SOIL (OH) Organic SOIL (OL/OH) PEAT (PT) Volume Descriptors: Trace = <5% Few = 5-10% Little = 15-25% Some = 30-45% Mostly = >=50% Water Level During Drilling Water Level at End of Drilling/in Completed Well Cap Riser Screen End Plug Annular Seal (Bentonite-Cement Grout, Bentonite Slurry/Chips/Pellets/Powder, Other) Sanitary Seal (Bentonite Slurry/Chips/Pellets/Powder, Other) Filter Pack (Sand, Gravel, Other) Backfill Grab Encore Split Spoon Shelby Tube Core Barrel Direct Push Lab Sample and ID

NOTES:

SOIL GROUPS	UNIFIED SOIL CLASSIFICATION TYPICAL NAMES
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-AND-SILT MIXTURES
GC	CLAYEY GRAVELS, GRAVEL-AND-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 & VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLACTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN 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 BEARING PRESSURES

NYC BUILDING CODE BC1804 (Tab.1804.1)

CLASS OF MATERIALS	DESCRIPTION	MAX ALLOWABLE FOUNDATION PRESSURE TONS/SQ FT
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
2a	SANDY GRAVEL (SOIL GROUPS GW,GP) - DENSE	10
2b	SANDY GRAVEL (SOIL GROUPS GW,GP) - MEDIUM	6
3a	GRANULAR SOILS (SOIL GROUPS GC,GM,SW,SP,SM AND SC) - DENSE	6
3b	GRANULAR SOILS (SOIL GROUPS GC,GM,SW,SP,SM AND SC) - MEDIUM	3
4a	CLAYS AND CLAY SOILS (SOIL GROUPS SC, CL & CH) - HARD	5
4b	CLAYS AND CLAY SOILS (SOIL GROUPS SC, CL & CH) - STIFF	3
4c	CLAYS AND CLAY SOILS (SOIL GROUPS SC, CL & CH) - MEDIUM	2
5a	SILTS AND SILTY SOILS (SOIL GROUPS ML & MH) - DENSE	3
5b	SILTS AND SILTY SOILS (SOIL GROUPS ML & MH) - 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