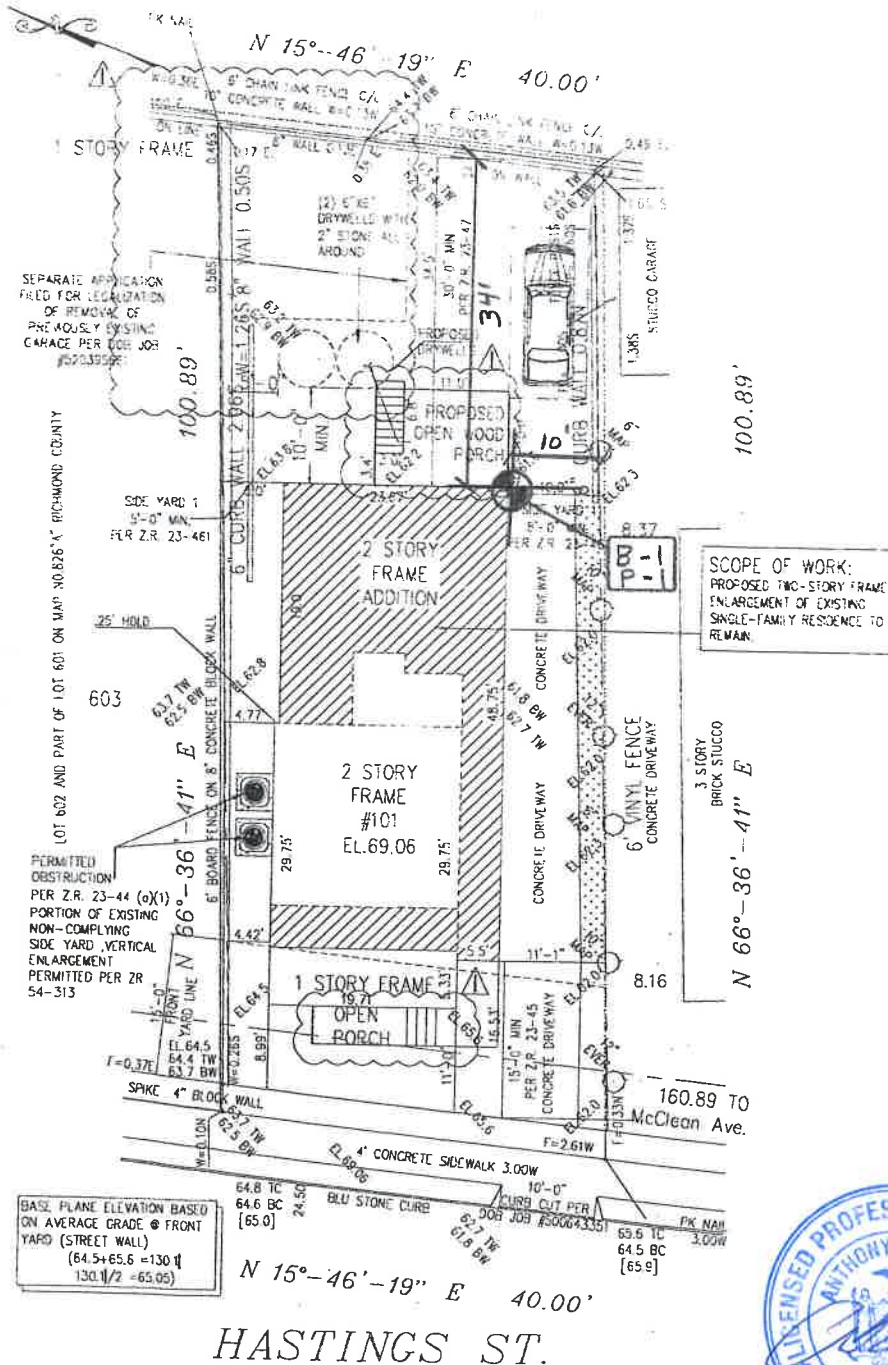


Block: 3103
Lot: 4
Staten Island, NY



Plan Showing Location of Boring for Drywell & Building and
Soil Percolation Test
Scale: 1" = 20'

A Tech Engineering NYC, PLLC
4442 Arthur Kill Road, S.I., NY 10309
718-948-2785

A Tech Engineering NYC, P.L.L.C.
4442 Arthur Kill Rd. S.I.N.Y.
10309 (718) 948-2785

Client: Merins Sadiku

Project: Block: 3103 Lot: 4

Address: 101 Hastings Street, Staten Island,
NY

Boring No. P-1 (Percolation Test)

Page: 1 of 1

Drilling Start Date: 11/16/20

Drilling End Date: 11/16/20

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):

DTW During Drilling (ft): N/A

DTW After Drilling (ft): N/A

Ground Surface Elev. (ft):

Location (Lat, Long):

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0										0
5										5
10										10
15										15
20										20
25										25
30										30
35										35
40										40

The system was saturated with water through a 6" casing. Steady percolation rate achieved was 14.2 inches per minute at 25 ft. below grade.

(25') Percolation Test Conducted at 25'



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. Percolation tests are per LL 103/89 & RS16, p. 113.

A Tech Engineering NYC, P.L.L.C.
4442 Arthur Kill Rd. S.I.N.Y.,
10309 (718) 948-2785

Client: Merins Sadiku

Project: Block: 3103 Lot: 4

Address: 101 Hastings Street, Staten Island,
NY

BORING LOG

Boring No. B-1 (Drywell/Building)

Page: 1 of 1

Drilling Start Date: 11/16/20

Drilling End Date: 11/16/20

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):

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT					SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)	N Value ROD%			
0									(0') ORGANIC SOIL (OL)		0
									(1') Clayey SAND (SC); Fine, Silty Sand and Clay	(1.0') SC 4c (9-65)	
5				SS	7	2.00	15				5
					8						
10				SS	8	1.83	18		(9') Poorly graded SAND (SP); Sand	(9.0') SP 3b (7-65)	10
					10						
15				SS	12	1.83	23				15
					11						
20				SS	12	1.66	26				20
					14						
25				SS	13	2.00	27				25
					14				(25') Boring terminated		
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 SPT blow counts.



BORING AND WELL LOG LEGEND

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