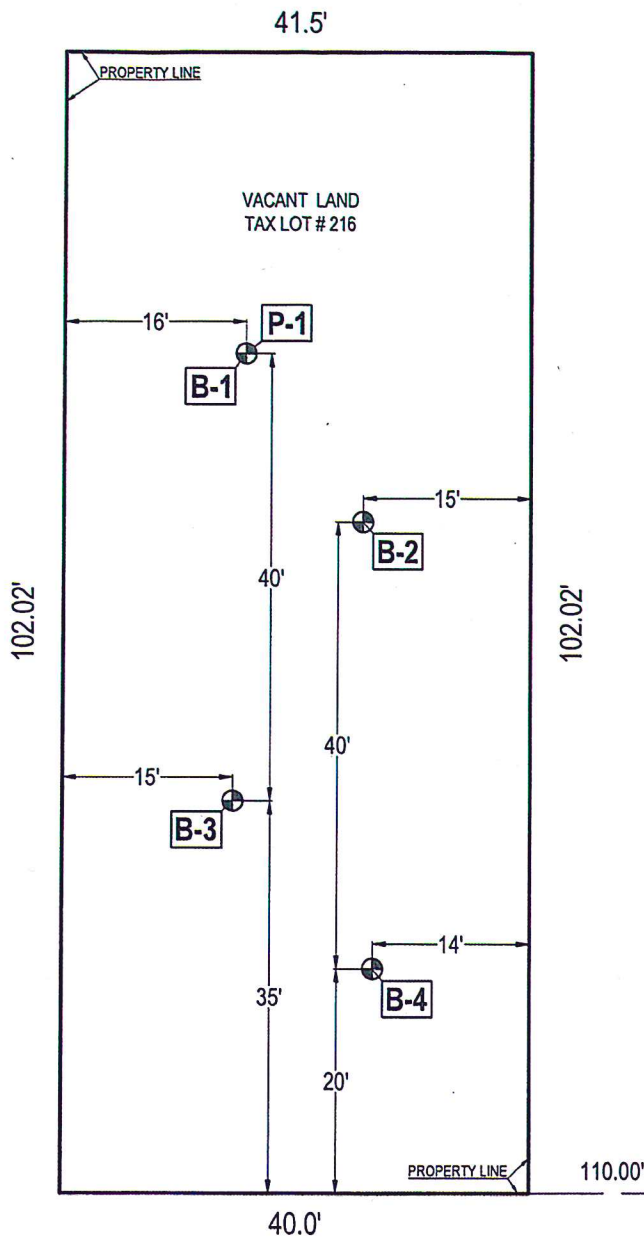




1. BORING LOCATIONS ARE AS PER DIRECTIONS OF THE CLIENT. SEE SITE PLAN.
2. PROPERTY LINE DIMENSIONS ARE AS PER CLIENT AND FOR GENERAL INFORMATION PURPOSES ONLY, AND MAY NOT MATCH THOSE ON THE DEED OR TAX MAP.
3. BORINGS PERFORMED IN ACCORDANCE WITH PROCEDURES ESTABLISHED IN SECTION 1802.5 OF NYC BUILDING CODE AND COMPLY TO REQUIREMENTS OF SECTION 1704.7.4 OF NYC BUILDING CODE.
4. - DENOTES TEST LOCATION AND CARRIES A TAG CORRESPONDING TO THE PERFORMED TEST(S).
5. DEPTHS ARE SHOWN FROM THE GROUND LEVEL IN THE GIVEN POINT WHERE THE BORING WAS TAKEN. DIFFERENCES IN ELEVATION HAVE NOT BEEN CALCULATED.
6. GROUND WATER LEVEL NOTED LIKE THIS .
7. UNLESS A WELL POINT IS INSTALLED, WATER LEVEL REPORTED OCCURS AT THE TIME THE BORING WAS TAKEN AND MAY NOT BE THAT OF THE ACTUAL WATER TABLE. FLUCTUATIONS IN GROUND WATER LEVEL CAUSED BY TIDAL AND SEASONAL CHANGES HAVE NOT BEEN CONSIDERED.
8. IDENTIFICATIONS, DESCRIPTIONS AND CLASSIFICATIONS OF SOIL ARE TRUE TO THE BEST OF OUR KNOWLEDGE AND ARE BASED ON VISUAL EXAMINATION OF THE RECOVERED SOIL SAMPLES AT THE INDICATED LEVELS.
9. BORINGS WERE INSPECTED UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER AND ARE REASONABLY REPRESENTATIVE OF SUBSURFACE CONDITIONS, BUT MAY NOT NECESSARILY SHOW ACTUAL CONDITIONS BETWEEN BORINGS.

DATUM NOTE: ALL ELEVATIONS REFER TO THE BOROUGH OF STATEN ISLAND DATUM, WHICH IS 3.192 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK AS ESTABLISHED BY THE U.S. COAST & GEODETIC SURVEY.



POST AVENUE

DUBOIS AVENUE



SITE PLAN

(NOT TO SCALE)

THIS REPORT IS SUBMITTED WITH THE SPECIFIC UNDERSTANDING THAT THE SOLE LIABILITY OF PROFESSIONAL SOLUTIONS GROUP INC., ITS ASSOCIATES, SUBCONTRACTORS, 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 PREDICATED UPON THIS LIMITATION OF LIABILITY, WHICH IS THE ESSENCE OF THIS AGREEMENT. IF THESE TERMS ARE NOT ACCEPTABLE, THE CLIENT MUST NOTIFY PROFESSIONAL SOLUTIONS GROUP INC., IN WRITING BY CERTIFIED MAIL - RETURN RECEIPT REQUESTED, WITHIN FIVE (5) DAYS. PROFESSIONAL SOLUTIONS GROUP INC., ITS ASSOCIATES, SUBCONTRACTORS, ENGINEERS, 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 THEIR OWN RISK.

DRAWN	GAS	CHECKED	AAS
APPROVED (SEAL)			
			
PROFESSIONAL SOLUTIONS GROUP, INC.  P. O. Box 3015 Astoria, NY 11103 T: 718.505.8000 Office@PSGNYC.com www.PSGNYC.com F: 718.507.2224			
PROJECT		JN1972	
SUBSURFACE INVESTIGATION AT: 13 DUBOIS AVENUE STATEN ISLAND, NY 10310			
SITE PLAN, TEST LOCATIONS, GENERAL NOTES			
DATE	SCALE	SHEET	
06/07/2018	N.T.S.	1 OF 6	
DRAWING No.			
B - 001.00			

BORING B-1			
BORING DONE: 05-05-2018			
DEPTH	SOIL & ROCK DESCRIPTION & CLASSIFICATION	SAMPLE	BLOWS PER 6" OF SPOON

ELEVATION: 2' ABOVE EXISTING CURB LEVEL ±

	--- FILL --- SAND - SILT - GRAVEL - - WOOD - CONCRETE <u>7</u>	1	13 12 12 7	2.0
	CLAYEY SILT - TRACE GRAVEL <u>5b</u>			Depth 3'-0"
5	MEDIUM TO FINE CLAYEY SAND - - LITTLE GRAVEL - COBBLES <u>3b</u>			Depth 4'-0"
	CLAYEY FINE SAND - - LITTLE GRAVEL & COBBLES <u>4b</u>	2	15 12 14 18	5.0 7.0
				Depth 6'-0"
10	MEDIUM TO FINE SAND - - SOME SILT - SOME GRAVEL - - COBBLES <u>3a</u>	3	24 20 16 19	10.0 12.0
				Depth 14'-0"
15	MEDIUM TO FINE CLAYEY SAND - - LITTLE GRAVEL <u>4b</u>	4	18 17 10 7	15.0 17.0
				Depth 18'-0"
20	MEDIUM TO FINE SAND - - LITTLE SILT - - LITTLE GRAVEL - - COBBLES <u>3a</u>	5	24 24 26 26	20.0 22.0
				Depth 20'-0"
				Depth 24'-0"
25	COARSE TO MEDIUM SILTY SAND - - LITTLE GRAVEL - - COBBLES <u>3a</u>	6	27 22 20 23	25.0 27.0
				Depth 24'-0"
30		7	26 20 18 22	30.0 32.0
				Depth 32'-0"

END OF BORING B-1
(1 OF TOTAL 4)

TYPICAL EQUIPMENT	Unless otherwise noted: Size of sample spoon 2 x 24 inches Weight of spoon hammer 140 lbs. Sample hammer drop 30 inches	Hollow augers, diameter 3.25 inches or Size of casing 3.0 inches Weight of driver hammer 300 lbs. Casing hammer drop 18 inches
----------------------	--	---

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, SILT OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAH 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

DRAWN	GAS	CHECKED	AAS
APPROVED (SEAL)			
			

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PROJECT JN1972
SUBSURFACE INVESTIGATION AT:
13 DUBOIS AVENUE
STATEN ISLAND, NY 10310

BORING LOG B-1

DATE	SCALE	SHEET
06/07/2018	N.T.S.	2 OF 6

DRAWING No. **B - 101.00**

BORING B-2			
BORING DONE: 06-05-2018			
DEPTH	SOIL & ROCK DESCRIPTION & CLASSIFICATION	SAMPLE	BLOWS PER 6" OF SPOON
ELEVATION: 2' ABOVE EXISTING CURB LEVEL ±			
	--- FILL --- SAND - SILT - GRAVEL - BRICK - WOOD <u>7</u>	1	14 10 8 9
	CLAYEY SILT <u>5b</u>		
5	CLAYEY FINE SAND - TRACE GRAVEL <u>4b</u>	2	15 13 16 16
	MEDIUM TO FINE CLAYEY SAND - - LITTLE GRAVEL & COBBLES <u>4b</u>		
10	MEDIUM TO FINE SILTY SAND - - SOME GRAVEL - - COBBLES <u>3a</u>	3	20 15 16 22
15	MEDIUM TO FINE CLAYEY SAND - - SOME GRAVEL <u>4a</u>	4	17 18 16 16
20	MEDIUM TO FINE SAND - - SOME SILT - - LITTLE GRAVEL <u>3a</u>	5	21 26 19 16
25	COARSE TO MEDIUM SILTY SAND - - SOME GRAVEL - - COBBLES <u>3a</u>	6	27 19 21 29
30		7	29 17 21 31

END OF BORING B-2
(2 OF TOTAL 4)

TYPICAL EQUIPMENT	Unless otherwise noted:	Hollow augers, diameter	3.25 inches or
Size of sample spoon	2 x 24 inches	Size of casing	3.0 inches
Weight of spoon hammer	140 lbs.	Weight of driver hammer	300 lbs.
Sample hammer drop	30 inches	Casing hammer drop	18 inches

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	SILT 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 PLASTICITY, 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

DRAWN	GAS	CHECKED	AAS
APPROVED (SEAL)			
			

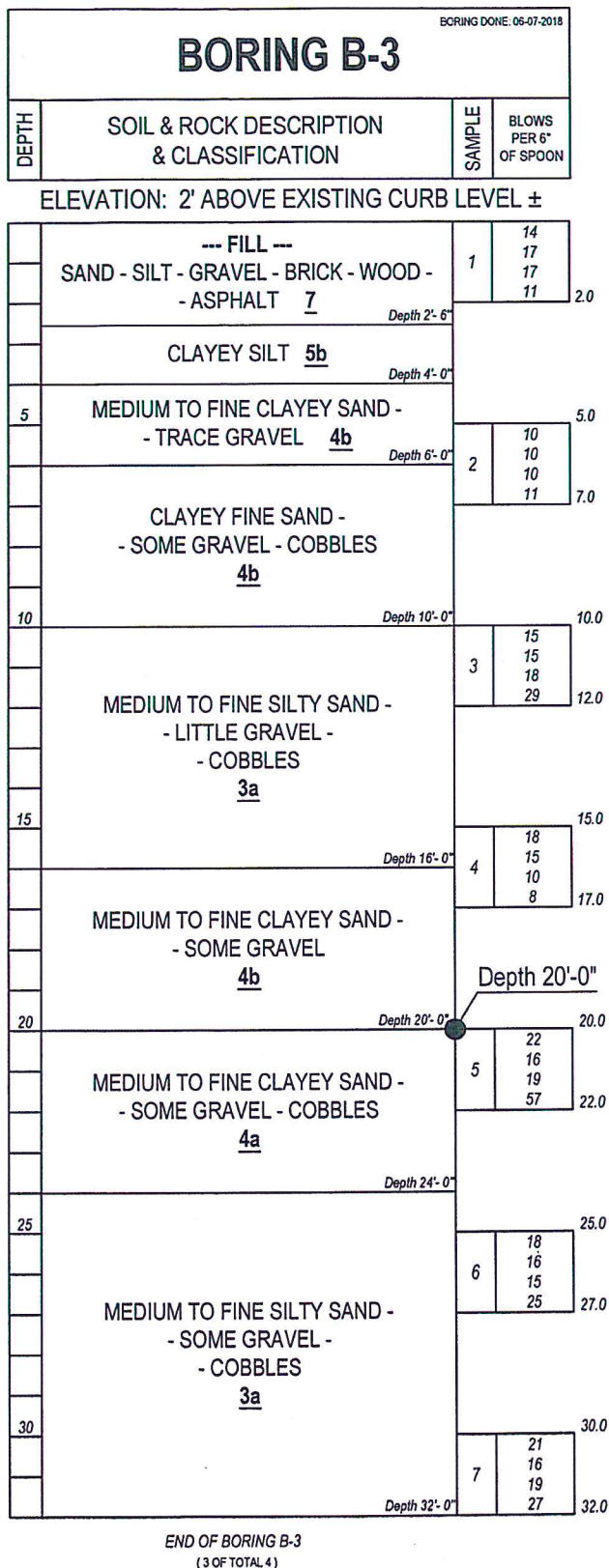
PROFESSIONAL SOLUTIONS GROUP, INC.
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T: 718.505.8000 F: 718.507.2224

PROJECT JN1972
SUBSURFACE INVESTIGATION AT:
13 DUBOIS AVENUE
STATEN ISLAND, NY 10310

BORING LOG B-2

DATE	SCALE	SHEET
06/07/2018	N.T.S.	3 OF 6

DRAWING No. **B - 102.00**



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 PLASTICITY, 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/SQFT
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

DRAWN	GAS	CHECKED	AAS
APPROVED (SEAL)			
			
PROFESSIONAL SOLUTIONS GROUP, INC. P. O. Box 3015 office@PSGNYC.com Astoria, NY 11103 www.PSGNYC.com T: 718.505.8000 F: 718.507.2224			
PROJECT		JN1972	
SUBSURFACE INVESTIGATION AT: 13 DUBOIS AVENUE STATEN ISLAND, NY 10310			
BORING LOG B-3			
DATE	SCALE	SHEET	
06/07/2018	N.T.S.	4 OF 6	
DRAWING No.			
B - 103.00			

TYPICAL EQUIPMENT	Unless otherwise noted:		Hollow augers, diameter	3.25 inches or
	Size of sample spoon	2 x 24 inches	Size of casing	3.0 inches
	Weight of spoon hammer	140 lbs.	Weight of driver hammer	300 lbs.
	Sample hammer drop	30 inches	Casing hammer drop	18 inches

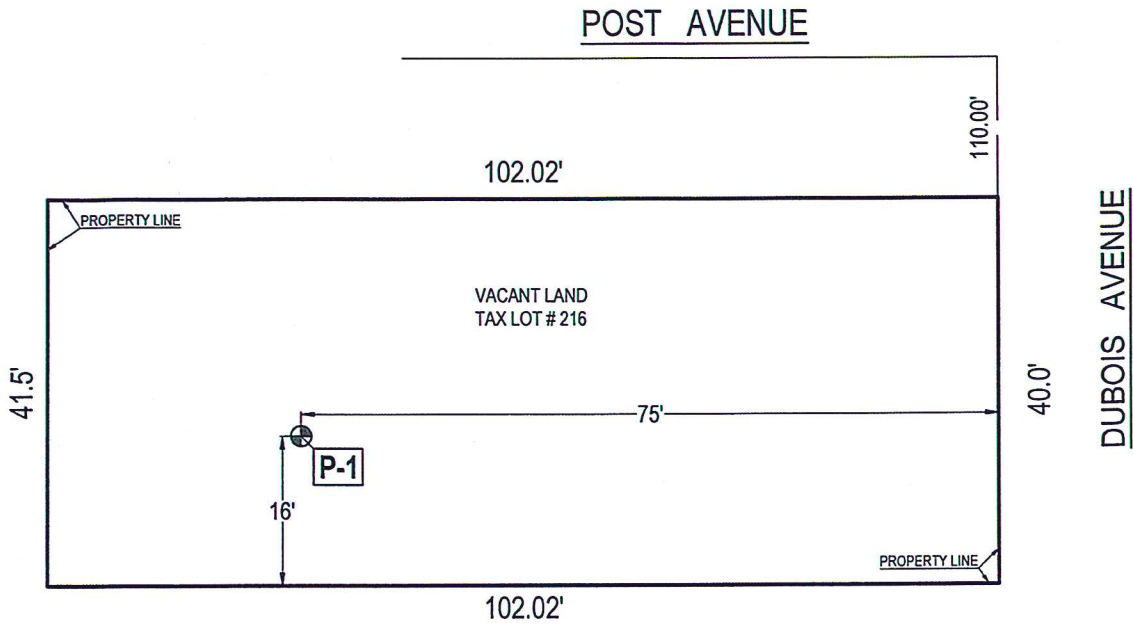
BORING B-4			
BORING DONE: 06-07-2018			
DEPTH	SOIL & ROCK DESCRIPTION & CLASSIFICATION	SAMPLE	BLOWS PER 6" OF SPOON
ELEVATION: 2' ABOVE EXISTING CURB LEVEL ±			
	--- FILL --- SAND - SILT - GRAVEL - BRICK - ROOTS <u>7</u>	1	6 8 3 3
	Depth 3'-0"		2.0
5	CLAYEY FINE SAND - LITTLE GRAVEL <u>4b</u>		
	Depth 5'-0"		5.0
	MEDIUM TO FINE CLAYEY SAND - - LITTLE GRAVEL - - COBBLES <u>4b</u>	2	11 10 10 8
	Depth 9'-0"		7.0
10	MEDIUM TO FINE SILTY SAND - - SOME GRAVEL <u>3b</u>		
	Depth 12'-0"	3	9 8 5 7
			12.0
15	CLAYEY FINE SAND - - LITTLE GRAVEL <u>4b</u>		
	Depth 16'-0"	4	29 11 14 14
			17.0
20	MEDIUM TO FINE CLAYEY SAND - - SOME GRAVEL <u>4b</u>		
	Depth 20'-0"		20.0
	MEDIUM TO FINE CLAYEY SAND - - TRACE GRAVEL - - COBBLES <u>4a</u>	5	14 17 14 12
			22.0
25			
	Depth 26'-0"	6	23 18 16 19
			27.0
30	MEDIUM TO FINE SILTY SAND - - LITTLE GRAVEL - - COBBLES <u>3a</u>		
	Depth 32'-0"	7	44 25 19 30
			32.0
END OF BORING B-4 (4 OF TOTAL 4)			

TYPICAL EQUIPMENT	Unless otherwise noted:		Hollow augers, diameter	3.25 inches or
	Size of sample spoon	2 x 24 inches	Size of casing	3.0 inches
	Weight of spoon hammer	140 lbs.	Weight of driver hammer	300 lbs.
	Sample hammer drop	30 inches	Casing hammer drop	18 inches

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 PLASTICITY, 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

DRAWN	GAS	CHECKED	AAS
APPROVED (SEAL)			
			
PROFESSIONAL SOLUTIONS GROUP, INC. P. O. Box 3015 office@PSGNYC.com Astoria, NY 11103 www.PSGNYC.com T: 718.505.8000 F: 718.507.2224			
PROJECT		JN1972	
SUBSURFACE INVESTIGATION AT: 13 DUBOIS AVENUE STATEN ISLAND, NY 10310			
BORING LOG B-4			
DATE	SCALE	SHEET	
06/07/2018	N.T.S.	5 OF 6	
DRAWING No.			
B - 104.00			



SITE PLAN

(NOT TO SCALE)

PERCOLATION TEST P-1

FALLING HEAD TEST	TIME (SECONDS) IN WHICH WATER IN A 3-INCH DIAMETER PIPE DROPPED ONE FOOT	55
CONSTANT HEAD TEST	GALLONS PER MINUTE NEEDED TO MAINTAIN A CONSTANT HEAD OF WATER AT THE TOP OF A 3-INCH DIAMETER PIPE	0.40
GROUND WATER ABSORPTION TEST	GALLONS OF WATER PER MINUTE THE GROUND IS CAPABLE OF ABSORBING THROUGH A 3-INCH PIPE	0.40

TEST PERFORMED AT A DEPTH OF 14'-00" FROM GRADE THROUGH A 3-INCH DIAMETER PIPE

ELEVATION: 2' ABOVE EXISTING CURB LEVEL ±

DRYWELL BORING				
TYPICAL EQUIPMENT	Unless otherwise noted:		Hollow augers, diameter	3.25 inches or
	Size of sample spoon	2 x 24 inches	Size of casing	3.0 inches
	Weight of spoon hammer	140 lbs.	Weight of driver hammer	300 lbs.
	Sample hammer drop	30 inches	Casing hammer drop	18 inches

DRAWN GAS CHECKED AAS
APPROVED (SEAL)



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PROJECT JN1972

SUBSURFACE INVESTIGATION AT:
**13 DUBOIS AVENUE
STATEN ISLAND, NY 10310**

PERCOLATION TEST P-1

DATE	SCALE	SHEET
06/07/2018	N.T.S.	6 OF 6

DRAWING No.

B - 201.00