

No.	DRAWINGS/REVISIONS	DATE
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DRILL RIG TYPE: TRUCK MOUNTED
DRILLING METHOD: ROTARY
SAMPLE HAMMER WEIGHT: 140 LBS.
CASING HAMMER WEIGHT: 300 LBS.
CASING DIAMETER: 4"
SAMPLER DIAMETER: 2"

DRAWN	CHECKED	REVIEWED
JG	ERK	GP

DATE: 10/20/2015

SCALE: AS NOTED

JOB NO.: 150303

DRAWING No. B-004.00

SHEET 4 OF 12

Project: 101 Lincoln Avenue Bronx, New York 10454 Boring No.: B-8 Sheet: 1 of 3 Date: 08/03/2015 Ground El: 7.4 Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
5	S-1	39-27-22-16	F	Concrete	
				FILL: Brown fine Sand, little Silt, little fine Gravel with miscellaneous debris	FILL (7)
5	S-2	74-100/4"		Boulders and cobbles	
10	S-3	4-3-7-11	E _s	Dark gray Silt and Clay	MH (5b)
15	S-4	6-5-3-4		Gray fine Sand, some Silt	SM (6)
20	S-5	5-6-6-8		Brown fine Sand, little Silt, little fine Gravel	SM (3b)
25	S-6	0-3-6-5		Brown fine Sand, little Silt	SM (6)
30	S-7	6-10-16-25	G _A	Brown fine Sand, little Silt	SM (3b)
35	S-8	18-23-26-24		Brown fine Sand, little Silt	SM (3a)
40	S-9	15-20-30-32		Brown fine Sand, some Silt	SM (3a)
45	S-10	19-26-26-25		Brown fine Sand, some Silt	SM (3a)
50	S-11	20-23-30-25		Brown fine Sand, some Silt	SM (3a)

PILLORI ASSOCIATES, P.A. Geotechnical Engineering

Project No.: 150303

Project: 101 Lincoln Avenue Bronx, New York 10454 Boring No.: B-8 Sheet: 2 of 3 Date: 08/03/2015 Ground El: 7.4 Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
55	S-11	20-23-30-25		Brown fine Sand, some Silt	SM (3a)
60	S-12	22-25-30-23		Brown fine Sand, some Silt	SM (3a)
65	S-13	20-25-32-28		Brown fine Sand, some Silt	SM (3a)
70	S-14	11-16-35-41		Brown fine Sand, some Silt	SM (3a)
75	S-15	20-25-40-51		Brown fine Sand, some Silt	SM (3a)
80	S-16	23-26-23-27	G _A	Gray fine Sand, trace Silt	SP (3a)
85	S-17	21-25-30-34		Gray fine Sand, trace Silt	SP (3a)
90	S-18	4-6-12-20		Gray fine Sand, trace Silt	SP (3a)
95	S-19	22-20-22-26		Gray to brown Clayey Silt	ML (5a)
100	S-20	15-14-17-29		Gray to brown Clayey Silt	ML (5a)
105	S-21	7-15-27-35		Gray to brown Clayey Silt	ML (5a)

PILLORI ASSOCIATES, P.A. Geotechnical Engineering

Project No.: 150303

Project: 101 Lincoln Avenue Bronx, New York 10454 Boring No.: B-8 Sheet: 3 of 3 Date: 08/03/2015 Ground El: 7.4 Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
105	S-21	7-15-27-35		Gray to brown Clayey Silt	ML (5a)
110	S-22	28-28-42-44	G _A	Gray to brown Clayey Silt	ML (5a)
115	S-23	100/0" RUN=60" 110'-115' REC=37% RQD=26%	D _r	White Decomposed Inwood Marble	(1d)
120		115'-120" RUN=60" 120'-125' REC=27% RQD=0%	R	White Inwood Marble: Hard, slightly weathered, closely to medium jointed	(1b)
125				End of Boring	
130				End of Boring	
135				End of Boring	
140				End of Boring	
145				End of Boring	
150				End of Boring	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering

Project No.: 150303

Project: 101 Lincoln Avenue Bronx, New York 10454 Boring No.: B-9 Sheet: 1 of 2 Date: 08/03/2015 Ground El: 7.4 Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
5	S-1	24-12-7-5	F	Concrete Slab	
				FILL: Brown fine Sand, little Silt, little fine Gravel with concrete fragments	FILL (7)
5	S-2	9-8-5-4		FILL: Brown fine Sand, some Silt, trace fine Gravel	
10	S-3	13-6-7-6	E _s	Brown coarse to fine Sand, little Silt, little medium to fine Gravel	SM (3b)
15	S-4	5-4-3-4		Brown fine Sand, little Silt, trace medium to fine Gravel	SM (6)
20	S-5	10-10-8-7		Brown medium to fine Sand, trace Silt	SP (3b)
25	S-6	5-6-6-8		Brown medium to fine Sand, trace Silt	SP (3b)
30	S-7	7-11-12-12	G _A	Brown medium to fine Sand, trace Silt	SP (3b)
35	S-8	10-16-20-24		Brown medium to fine Sand, trace Silt	SP (3b)
40	S-6	9-17-13-17		Brown coarse to fine Sand, trace Silt	SW (3a)
45	S-7	8-14-21-20		Brown coarse to fine Sand, trace Silt	SW (3a)
50	S-8	15-20-21-16		Gray fine Sand, little Silt, trace coarse to fine Gravel	SM (3a)

PILLORI ASSOCIATES, P.A. Geotechnical Engineering

Project No.: 150303

Project: 101 Lincoln Avenue Bronx, New York 10454 Boring No.: B-9 Sheet: 2 of 2 Date: 08/03/2015 Ground El: 7.4 Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
55	S-8	15-20-21-16		Gray fine Sand, little Silt, trace coarse to fine Gravel	SM (3a)
60	S-9	14-13-21-25		Coarse to fine Gravel, trace fine Sand, trace Silt	GW (2a)
65	S-10	10-7-10-68		Gray fine Sand, some Silt	SM (3b)
70	S-11	9-12-20-18	G _A	Boulders and cobbles from 62" to 64"	SM (3a)
75	S-12	20-20-19-19		Brown fine Sand, little Silt, some fine Gravel	SM (3a)
80	S-13	24-30-51-51		Brown fine Sand, little Silt	SM (3a)
85	S-14	27-26-50-56		Brown fine Sand, little Silt	SM (3a)
90				End of Boring	
95				End of Boring	
100				End of Boring	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering

Project No.: 150303

Project: 101 Lincoln Avenue Bronx, New York 10454 Boring No.: B-10 Sheet: 1 of 3 Date: 08/05/2015 to 08/12/2015 Ground El: 7.4 Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
5	S-1	9-13-15-5	F	FILL: Brown medium to fine Sand, little Silt, trace fine Gravel	FILL (7)
5	S-2	4-7-8-8		FILL: Black medium to fine Sand	
10	S-3	1-2-2-4	E _s	FILL: Tan fine Sand, little Silt, trace fine Gravel	
15	S-4	6-3-3-2		Gray medium to fine Sand, little Silt, trace fine Gravel	SM (6)
20	S-5	4-4-3-2		Tan medium to fine Sand, some Silt	SM (6)
25	S-6	15-19-19-14		Tan medium to fine Sand, some Silt	SP-SM (3a)
30	S-7	10-13-15-17	G _A	Brown coarse to fine Sand, trace Silt, trace fine Gravel	SP-SM (3b)
35	S-8	20-14-11-11		Brown coarse to fine Sand, trace Silt, trace coarse to fine Gravel with boulders and cobbles	SP (3a)
40	S-9	26-14-20-19		Brown coarse to fine Sand, trace Silt, trace coarse to fine Gravel with boulders and cobbles	SP (3a)
45	S-10	11-13-16-22		Brown medium to fine Sand, trace Silt	SP (3b)
50	S-11	12-15-20-17		Gray to brown coarse to fine Sand, trace Silt	SW (3a)

PILLORI ASSOCIATES, P.A. Geotechnical Engineering

Project No.: 150303

PROJECT NAME:

101 LINCOLN AVENUE
BRONX, NEW YORK

CLIENT NAME:

NY DEVELOPERS & MANAGEMENT
1825 65TH STREET
BROOKLYN, NEW YORK

GEOTECHNICAL ENGINEER:

 **PILLORI ASSOCIATES, P.A.**
Geotechnical Engineering

71 Route 95
Laurens Harbor, New Jersey 08079
Tel. 732.335.0059 Fax. 732.335.8515
333 Meadowslands Parkway, Suite 102
Secaucus, New Jersey 07096
Tel. 201.558.0065 Fax. 201.558.1427
email - office@pilloriansociates.com

No. DRAWINGS/REVISIONS DATE

DRILL RIG TYPE: TRUCK MOUNTED
DRILLING METHOD: ROTARY
SAMPLE HAMMER WEIGHT: 140 LBS.
CASING HAMMER WEIGHT: 300 LBS.
CASING DIAMETER: 4"
SAMPLER DIAMETER: 2"

DRAWING TITLE:
**BORING B-10 PAGES 2 AND 3
BORING B-11
BORING B-12 PAGE 1**

DRAWN: JG CHECKED: ERK REVIEWED: GP

DATE: 10/20/2015

SCALE: AS NOTED

JOB NO.: 150303

DRAWING No.: **B-005.00**

SHEET 5 OF 12

Project: **101 Lincoln Avenue** Boring No.: **B-10**
Bronx, New York 10454 Sheet: 2 of 3
Date: 08/05/2015 to 08/12/2015 Ground El: 7.4
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
55	S-11	12-15-20-17		Gray to brown coarse to fine Sand, trace Silt	SW (3a) 53'-0" / -45.6
60	S-12	13-21-27-25		Brown medium to fine Sand, trace Silt	SP (3a)
65	S-13	13-25-22-24			
70	S-14	15-20-19-18		Gray medium to fine Sand, trace Silt, trace coarse Gravel	GA
75	S-15	25-24-32-35			
80	S-16	48-32-27-40		Gray fine Sand, trace Silt	SP (3a)
85	S-17	21-27-34-35			
90	S-18	29-33-35-36		Gray fine Sand, little Silt	SM (3a)
95	S-19	12-16-18-17			
100	S-20	15-18-21-23		Gray to brown Clayey Silt	ML (5a)
	S-21	10-10-20-21			

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-10**
Bronx, New York 10454 Sheet: 3 of 3
Date: 08/05/2015 to 08/12/2015 Ground El: 7.4
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
105	S-21	10-10-20-21		Gray to brown Clayey Silt	ML (5a) 109'-0" / -101.6
110		RUN = 60" 109'-114" REC = 85% RQD = 80%	GA	White Inwood Marble: Hard, slightly weathered, closely to medium jointed	(1b) 114'-0" / -106.6
115				End of Boring	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-11**
Bronx, New York 10454 Sheet: 1 of 3
Date: 07/31/2015 to 08/03/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
5	S-1	15-14-13-20		Concrete Slab	
5	S-2	6-5-4-6	F	FILL: Black coarse to fine Sand, trace Silt, some medium to fine Gravel, with brick fragments	FILL (7) 8'-0" / -20.1
10	S-3	4-4-4-4	Es	Brown medium to fine Sand, little Silt, little fine Gravel with plant fibers	SM (6) 13'-0" / -5.1
15	S-4	1-0-0-0		Brown fine Sand, some Silt	SM (6) 18'-0" / -10.1
20	S-5	4-4-2-2		Tan fine Sand, trace Silt, trace fine Gravel	SP (6)
25	S-6	2-2-3-3		Tan medium to fine Sand, trace Silt	GA
30	S-7	6-12-11-13			
35	S-8	12-14-14-15		Tan fine Sand, trace Silt	SP (3a)
40	S-9	17-19-22-23			
45	S-10	15-18-22-27		Gray fine Sand, trace Silt	SP (3b)
50	S-11	11-13-12-14			

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-11**
Bronx, New York 10454 Sheet: 2 of 3
Date: 07/31/2015 to 08/03/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
55	S-11	11-13-12-14		Gray fine Sand, trace Silt	SP (3b)
60	S-12	10-12-12-15			
65	S-13	11-11-14-16		Tan medium to fine Sand, trace Silt	GA
70	S-14	25-46-40-52			
75	S-15	27-31-29-32		Gray fine Sand, trace Silt	SP (3a)
80	S-16	21-21-26-30			
85	S-17	19-19-21-21		Gray fine Sand, some Silt	SM (3b)
90	S-18	4-7-7-9			
95	S-19	13-14-13-15		Brown fine Sand, some Silt	SM (3b)
100	S-20	WOR-6-9-13			
	S-21	13-25-23-23		Tan fine Sand, trace Silt	SP (3a)

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-11**
Bronx, New York 10454 Sheet: 3 of 3
Date: 07/31/2015 to 08/03/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

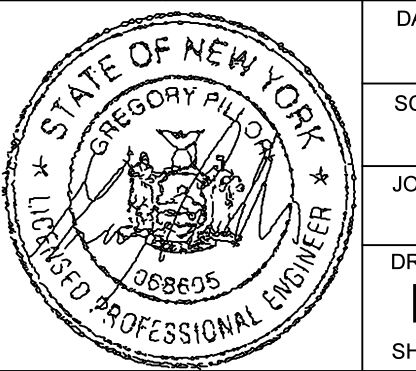
Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
105	S-21	13-25-23-23	GA	Tan fine Sand, trace Silt	SP (3a) 103'-0" / -95.1
110	S-22	82-78-100/5"	Rs	Residual Soil: Gray medium to fine Sand, some medium to fine Gravel	(1d)
115	S-23	RUN = 60" 110'-115" REC = 3% RQD = 0% 100/1"	DR	Cored through boulders & cobbles	(1d) 115'-1" / -107.2
120		RUN = 60" 120'-125" REC = 2% RQD = 0%		White Decomposed Inwood Marble	(1d) 125'-0" / -117.1
125				End of Boring	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-12**
Bronx, New York 10454 Sheet: 1 of 2
Date: 08/18/2015 Ground El: 8.2
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
5	S-1	20-30-33-18	F	FILL: Black to tan medium to fine Sand, little Silt, and medium to fine Gravel with miscellaneous debris	FILL (7) 8'-0" / 0.2
10	S-2	10-5-5-5		Gray Silt and Clay with plant fibers and seashells	MH (6)
15	S-3	3-1-1-1	Es		
20	S-4	1-1-2-3		Tan medium to fine Sand, trace Silt	SP (3b)
25	S-5	7-6-4-5			
30	S-6	5-6-6-5		Tan coarse to fine Sand, trace Silt, trace fine Gravel	SW (3b)
35	S-7	6-6-6-6			
40	S-8	11-8-10-11	GA	Tan fine Sand, little Silt	SM (3b)
45	S-6	11-12-21-16			
50	S-7	19-16-15-18		Tan medium to fine Sand, trace Silt	SP (3a)
	S-8	15-13-20-21			

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303



PROJECT NAME:

101 LINCOLN AVENUE
BRONX, NEW YORK

CLIENT NAME:

NY DEVELOPERS & MANAGEMENT
1825 65TH STREET
BROOKLYN, NEW YORK

GEOTECHNICAL ENGINEER:



71 Route 95
Laurens Harbor, New Jersey 08079
Tel. 732.335.0059 Fax. 732.335.8515
333 Meadowslands Parkway, Suite 102
Secaucus, New Jersey 07096
Tel. 201.558.0065 Fax. 201.558.1427
email - office@pilloriasociates.com

No. DRAWINGS/REVISIONS DATE

DRILL RIG TYPE: TRUCK MOUNTED
DRILLING METHOD: ROTARY
SAMPLE HAMMER WEIGHT: 140 LBS.
CASING HAMMER WEIGHT: 300 LBS.
CASING DIAMETER: 4"
SAMPLER DIAMETER: 2"

DRAWING TITLE:

BORING B-12 PAGE 2
BORINGS B-13 AND B-14

DRAWN: JG CHECKED: ERK REVIEWED: GP

DATE: 10/20/2015

SCALE: AS NOTED

JOB NO: 150303

DRAWING No: B-006.00

SHEET 6 OF 12

Project: **101 Lincoln Avenue** Boring No.: **B-12**
Bronx, New York 10454 Sheet: 2 of 2
Date: 08/18/2015 Ground El: 8.2
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation	
	Number	Blows / 6"	Strata			
55	S-8	15-13-20-21	GA	Tan medium to fine Sand, trace Silt	SP (3a)	
58	S-9	21-26-24-21		Tan coarse to fine Sand, trace Silt		
61	S-10	23-23-22-23		Tan coarse to fine Sand, trace Silt		
64	S-11	15-15-14-18		Gray medium to fine Sand, trace Silt		
67	S-12	32-29-27-23		Gray medium to fine Sand, trace Silt		
70	S-13	23-25-18-19		Gray medium to fine Sand, trace Silt		
73	S-14	20-34-36-35		Gray medium to fine Sand, trace Silt		
82'-0"				End of Boring		-73.8

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-13**
Bronx, New York 10454 Sheet: 1 of 3
Date: 08/19/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation	
	Number	Blows / 6"	Strata			
5	S-1	8-7-7-7	F	13" Concrete	FILL (7)	
10	S-2	3-1-2-3		FILL: Tan medium to fine Sand, little Silt		
15	S-3	WOH-WOH-1-3		Gray Silt and Clay		MH (6)
20	S-4	WOH-1-1-1		Tan coarse to fine Sand, trace Silt		SW (3b)
25	S-5	5-8-7-8		Tan coarse to fine Sand, trace Silt		
30	S-6	8-7-6-6		Tan coarse to fine Sand, trace Silt, little medium Gravel		SM (3b)
35	S-7	8-11-8-11		Tan coarse to fine Sand, trace Silt, little medium Gravel		
40	S-8	5-8-7-10		Tan fine Sand, little Silt		SP (3a)
45	S-9	12-13-14-16		Tan fine Sand, little Silt		
50	S-10	14-17-19-23		Tan fine Sand, trace Silt		

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-13**
Bronx, New York 10454 Sheet: 2 of 3
Date: 08/19/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
55	S-10	14-17-19-23	GA	Tan fine Sand, trace Silt	SP (3a)
58	S-11	10-10-10-11		Tan coarse to fine Sand, trace Silt	SW (3b)
61	S-12	17-14-12-12		Gray fine Sand, trace Silt	SP (3a)
64	S-13	10-14-15-16		Gray fine Sand, trace Silt	
67	S-14	12-19-19-21		Gray to brown Clayey Silt	ML (5b)
70	S-15	24-22-19-22		Gray fine Sand, trace Silt	SP (3b)
73	S-16	8-11-16-19		Gray fine Sand, trace Silt	
76	S-17	13-19-19-23		Tan medium to fine Sand, trace Silt	SP (3a)
79	S-18	9-12-16-18		Tan medium to fine Sand, trace Silt	
82	S-19	6-6-7-8		Tan medium to fine Sand, trace Silt	SP (3a)
85	S-20	12-15-19-21		Tan medium to fine Sand, trace Silt	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-13**
Bronx, New York 10454 Sheet: 3 of 3
Date: 08/19/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
105	S-20	12-15-19-21	GA	Tan medium to fine Sand, trace Silt	SP (3a)
108	S-21	4-2-8-23		Tan medium to fine Sand, trace Silt	SP (3b)
113'-0"				White Decomposed Inwood Marble	(1d)
117'-0"				White Inwood Marble: Hard, slightly weathered, closely to medium jointed	(1b)
125'-0"				White Inwood Marble: Hard, slightly weathered, closely to medium jointed	(1b)
130'-0"				End of Boring	-125.1

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-14**
Bronx, New York 10454 Sheet: 1 of 2
Date: 08/17/2015 Ground El: 7.8
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation		
	Number	Blows / 6"	Strata				
5	S-1	2-4-7-8	F	Concrete	FILL (7)		
10	S-2	4-6-7-9		FILL: Tan coarse to fine Sand, little Silt, little fine Gravel with asphalt fragments			
15	S-3	1-2-1-1	ES	FILL: Black medium to fine Gravel, little Silty Sand with asphalt fragments	MH (6)		
20	S-4	1-0-1-0		Gray Silt and Clay with plant fibers			
25	S-5	2-3-4-5		Tan medium to fine Sand, trace Silt		SP (6)	
30	S-6	6-5-7-11		Tan medium to fine Sand, trace Silt			
35	S-7	7-7-12-16		Red-brown coarse to fine Sand, trace Silt, trace fine Gravel		SP (3b)	
40	S-8	7-5-4-7		Tan coarse to fine Sand, trace Silt			
45	S-9	10-6-6-6		Tan coarse to fine Sand, trace Silt, little medium to fine Gravel		SW (3b)	
50	S-10	12-9-11-11		Tan coarse to fine Sand, trace Silt, little medium to fine Gravel			
55	S-11	9-9-21-17		GA		Gray medium to fine Sand, little to some Silt	SM (3b)
60	S-12	12-23-38-49				Alternating layers of Gray fine Sand, little Silt and red-brown fine Sand, little Silt	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-14**
Bronx, New York 10454 Sheet: 2 of 2
Date: 08/17/2015 Ground El: 7.8
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
55	S-11	9-9-21-17	GA	Alternating layers of Gray fine Sand, little Silt and red-brown fine Sand, little Silt	SM (3b)
60	S-12	12-18-17-21		Tan fine Sand, little Silt	SM (3a)
65	S-13	23-30-34-43		Tan medium to fine Sand, trace Silt	SP (3a)
70	S-14	20-24-23-22		Tan medium to fine Sand, trace Silt	
75	S-15	14-19-24-32		Tan coarse to fine Sand, trace Silt	SW (3a)
80	S-16	15-20-25-34		Tan coarse to fine Sand, trace Silt	
85	S-17	12-23-38-49		Light gray fine Sand, trace Silt	SP (3a)
90				End of Boring	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303



PROJECT NAME:

101 LINCOLN AVENUE
BRONX, NEW YORK

CLIENT NAME:

NY DEVELOPERS & MANAGEMENT
1825 65TH STREET
BROOKLYN, NEW YORK

GEOTECHNICAL ENGINEER:

 **PILLORI ASSOCIATES, P.A.**
Geotechnical Engineering

71 Route 95
Laurens Harbor, New Jersey 08079
Tel. 732.335.0059 Fax. 732.335.8515
333 Meadows Parkway, Suite 102
Secaucus, New Jersey 07096
Tel. 201.558.0065 Fax. 201.558.1427
email - office@pilloriassociates.com

No. DRAWINGS/REVISIONS DATE

DRILL RIG TYPE: TRUCK MOUNTED
DRILLING METHOD: ROTARY
SAMPLE HAMMER WEIGHT: 140 LBS.
CASING HAMMER WEIGHT: 300 LBS.
CASING DIAMETER: 4"
SAMPLER DIAMETER: 2"

DRAWING TITLE:

**BORINGS B-15 AND B-16
BORING B-17W PAGE 1**

DRAWN: JG CHECKED: ERK REVIEWED: GP

DATE: 10/20/2015

SCALE: AS NOTED

JOB NO: 150303

DRAWING No: B-007.00

SHEET 7 OF 12

Project: **101 Lincoln Avenue** Boring No.: **B-15**
Bronx, New York 10454 Sheet: 1 of 2
Date: 08/13/2015 to 8/14/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
5	S-1	18-26-14-17	F	11" Concrete FILL: Tan medium to fine Sand, trace Silt, trace fine Gravel with asphalt fragments	FILL (7)
10	S-2	1-1-1-1	E _S	Dark gray Silt and Clay with plant fibers	MH (6)
15	S-3	1-0-1-1	G _A	Tan medium to fine Sand, trace Silt	SP (6)
20	S-4	5-4-4-3		Tan coarse to fine Sand, trace Silt, little fine Gravel	SW (3b)
25	S-5	5-5-5-5		Tan medium to fine Sand, trace Silt	SP (3b)
30	S-6	4-6-8-7		Red-brown Clayey Silt	ML (5b)
35	S-7	9-9-5-6		Brown coarse to fine Sand, trace to little Silt, little medium to fine Gravel	SW (3b)
40	S-8	8-12-16-25		Red-brown fine Sand, and Silt	SM (3b)
45	S-9	6-14-15-16		Tan coarse to fine Sand, trace Silt, trace fine Gravel	SW (3b)
50	S-10	7-12-14-13		Gray medium to fine Sand, trace Silt	SP (3b)

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-15**
Bronx, New York 10454 Sheet: 2 of 2
Date: 08/13/2015 to 8/14/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
55	S-10	7-12-14-13	G _A	Gray medium to fine Sand, trace Silt	SP (3b)
60	S-11	7-11-15-14		Red-brown medium to fine Sand, little Silt	SM (3b)
65	S-12	9-11-9-12		Gray medium to fine Sand, trace Silt	SP (3b)
70	S-13	13-13-12-17		Tan coarse to fine Sand, trace Silt	SW (3b)
75	S-14	8-13-13-12		Tan coarse to fine Sand, trace Silt	SW (3b)
80	S-15	9-10-13-13		End of Boring	
85	S-16	10-11-11-14		End of Boring	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-16**
Bronx, New York 10454 Sheet: 1 of 3
Date: 08/03/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
5	S-1	12-9-7-6	G _A	Concrete	
10	S-2	4-3-2-1		FILL: Gray coarse to fine Sand, trace Silt, trace fine Gravel with brick fragments	FILL (7)
15	S-3	2-3-3-2		Gray fine Sand, trace Silt	
20	S-4	8-10-4-3		Tan medium to fine Sand, trace Silt	SP (3b)
25	S-5	5-1-2-3		Gray fine Sand, trace Silt	SP (3a)
30	S-6	6-5-6-5		Tan medium to fine Sand, trace Silt	SP (3b)
35	S-7	10-9-10-12		Gray fine Sand, trace Silt	SP (3a)
40	S-8	6-9-8-9		Gray fine Sand, trace Silt	SP (3a)
45	S-9	10-12-13-15		Brown fine Sand, little Silt with alternating layers of brown medium to fine Sand	SP-SM (3a)
50	S-10	16-15-19-18		Gray fine Sand, trace Silt	SP (3a)
55	S-11	14-11-19-26			

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-16**
Bronx, New York 10454 Sheet: 2 of 3
Date: 08/03/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
55	S-11	14-11-19-26	G _A	Brown fine Sand, little Silt with alternating layers of brown medium to fine Sand	SP-SM (3a)
60	S-12	13-11-12-14		Gray fine Sand, trace Silt	SP (3b)
65	S-13	9-8-11-12		Gray to brown fine Sand, trace Silt	SP (3a)
70	S-14	6-6-8-9		Gray to brown fine Sand, some Silt	SM (6)
75	S-15	15-22-24-20		Gray to brown Clayey Silt	ML (5b)
80	S-16	21-21-21-22		Gray to brown fine Sand, trace Silt	SP (3a)
85	S-17	22-20-22-23		Gray to brown fine Sand, some Silt	SM (6)
90	S-18	8-4-5-6		Gray to brown Clayey Silt	ML (5b)
95	S-19	18-10-18-17			
100	S-20	7-9-11-11			
105	S-21	8-9-15-16			

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-16**
Bronx, New York 10454 Sheet: 3 of 3
Date: 08/03/2015 Ground El: 7.9
Contractor: Warren George, Inc. Groundwater Depth: NA

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
105	S-21	8-9-15-16	G _A	Gray to brown Clayey Silt	ML (5b)
110	S-22	18-20-20-22		Gray to brown Clayey Silt	ML (5a)
115	S-23	18-20-17-17		White Decomposed Inwood Marble	(1d)
120	S-24	45-45-56-59		Inwood Marble	(1c)
125	S-25	35-32-29-100/5"		Inwood Marble	(1a)
130		RUN = 60" 123'-128' REC = 58% RQD = 31%		Inwood Marble	(1a)
135		RUN = 60" 128'-133' REC = 82% RQD = 23%		Inwood Marble	(1a)
140		RUN = 60" 133'-138' REC = 95% RQD = 93%		Inwood Marble	(1a)
145				End of Boring	
150				End of Boring	

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

Project: **101 Lincoln Avenue** Boring No.: **B-17W**
Bronx, New York 10454 Sheet: 1 of 3
Date: 08/04/2015 Ground El: 7.7
Contractor: Warren George, Inc. Groundwater Depth: 7'-0"

Depth Feet	SAMPLES			SOIL DESCRIPTION	Classification Depth Elevation
	Number	Blows / 6"	Strata		
5	S-1	27-14-15-16	G _A	Concrete	
10	S-2	16-15-19-18		FILL: Black coarse to fine Sand, trace Silt, little fine Gravel with miscellaneous debris	FILL (7)
15	S-3	7-11-11-12		FILL: Brown fine Sand, little Silt, trace fine Gravel	
20	S-4	3-3-6-6		Gray medium to fine Sand, trace Silt, trace coarse to fine Gravel	SP (3b)
25	S-5	9-9-7-8		Dark brown fine Sand, little Silt, trace fine Gravel	SM (6)
30	S-6	8-6-7-7		Gray to brown fine Sand, trace Silt	SP (3b)
35	S-7	8-8-8-9		Gray to brown fine Sand, trace Silt	SP (3b)
40	S-8	9-11-12-15		Gray to brown fine Sand, trace Silt	SP (3a)
45	S-9	10-11-13-15		Gray to brown fine Sand, trace Silt	SP (3a)
50	S-10	11-15-16-13		Gray to brown fine Sand, trace Silt	SP (3a)
55	S-11	14-15-17-15			

PILLORI ASSOCIATES, P.A. Geotechnical Engineering Project No.: 150303

