

Appendix B

Historical Soil Boring Logs










CONRAIL

Soil Boring/Well Details: 108_MO18E1

Project No: 10236-1
Project: Block 108
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 1.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
0.5				1		Brown GRAVEL, little Sand and Silt.			-1	
1.0						Black GRAVEL, some fine SAND, trace Silt and COPR.				-1
				2		Orange brown SILT, little fine Sand, trace tan gray Sand and Silt, wet.			-2	
3.0						1				-3
3.5										
4.0				4		Dark red brown of SAND, trace Gravel, Silt, and COPR, wet.			-4	
4.5										
5.0				5		Black mf SAND, some Silt, trace Gravel and roots, wet.			-5	
				6		Brown to dark gray Clayey SILT, trace Sand, wet.			-6	
				7		Red brown fine SAND, some Silt, wet.	-7			
				8		Tan brown fine SAND, some Silt, little Gravel (increases with depth), wet.	-8			
				9		Tan brown GRAVEL, trace Sand and Silt, wet.	-9			
				10			-10			

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/14/11
 Date Finish: 12/14/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_MO18E2

Project No: 10236-1
Project: Block 108
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1.0	40	0.0	0.0	1		Brown to black GRAVEL, some Sand, little Silt, trace concrete and COPR.			-1
				2		Dark red brown cf SAND, some to little Silt, trace Gravel and COPR.			-2
				3		Red brown mf SAND, some Gravel, little Silt.			-3
3.0				4		Black cf SAND, some Gravel, little Silt, trace Coal and Ash.			-4
3.5				5		Brown fine SAND and SILT, little Gravel, trace Coal and COPR.			-5
4.0	6	Black mf SAND, some Silt, trace Gravel and Roots.	-6						
4.5	29	0.0	0.0	7		Gray fine SAND, little to trace Silt, trace roots.			-7
5.0				8		Brown mf SAND, little Silt.			-8
				9		Brown fine SAND, little to some Silt, little Gravel.			-9
				10		Red brown fine SAND, some Gravel and Silt.			-10

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/14/11
 Date Finish: 12/14/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 108_MO18N

Project No: 10236-1
Project: Block 108
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
				1		Brown mf SAND, some Silt, little Gravel, trace Roots.		-1	
1.0		44		2		Black cf SAND and GRAVEL, trace Silt.		-2	
1.5				3		CONCRETE, little Sand.		-3	
2.0				4		Dark gray brown cf SAND, little Gravel, trace Silt and COPR.		-4	
3.0				5		Dark gray mf SAND, some Gravel, trace COPR and Silt, moist.		-5	
3.5				6		Black mf SAND, some Silt, little Gravel, trace Plastic, Ash, Wood, and COPR.		-6	
4.0				7		Brown gray fine SAND, some Silt, little Gravel, trace yellow Silt (chrome?)		-7	
4.5				8		Red brown fine SAND and SILT, little to some Gravel.		-8	
5.0				9		Red brown GRAVEL, some Sand, little Silt.		-9	
			25			10			-10
					11				-11

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/14/11
 Date Finish: 12/14/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 108_MO18W1

Project No: 10236-1

Northing: 0

Water Level:

Project: Block 108

Easting: 0

Sampling Method: Geoprobe

Client:

Elevation: 0

Sample Interval: See Log

Location: Jersey City, NJ

Total Depth: 10.0

Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)								
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation							
0.5	26			1		Gray black GRAVEL, little Sand, trace Silt and Wood.			-1								
1.0						Black of SAND, some Gravel, trace Silt and COPR.				-2							
1.5						Brown of SAND, some Silt, little Gravel, trace COPR.					-3						
2.0												-4					
2.5													-5				
3.0														-6			
3.5															-7		
4.0																-8	
4.5																	-9
5.0																	
	45		2		Black fine SAND, some Silt.												
					Gray brown mf SAND, some Clayey Silt, trace Gravel.												
					Red brown mf SAND, some Gravel, little Silt.												
				3		Red brown fine SAND, some Gravel, little Silt.											
						Red brown fine SAND, some Silt, little to some Gravel.											

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/14/11
 Date Finish: 12/14/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M020N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level: ~2'
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Brown SILT, little Sand, little to trace COPR, trace Gravel, trace Roots.		little to trace COPR	
1.0				1		Brown to black of SAND, some Gravel, little Silt, trace COPR.		trace COPR	-1
1.5				2		Brown GRAVEL, little Sand, trace Silt, wet.			-2
2.5		58	0.0	3		Black of SAND and GRAVEL, little Silt, wet.			
3.0				4		Brown f SAND, some Gravel, little Silt, wet.			
3.5				5		Brown f SAND, little Silt, trace Gravel, wet.			
4.0				6		Red-brown f SAND, some Silt, little Gravel, wet.			
REP 121311-1				8					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/13/2011
 Date Finish: 12/13/2011
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_MO20E1

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0	50	50	0.0	1	1	Brown SILT, little to some Sand, trace Gravel and roots.			-1
						Black mf SAND, little Silt, little Gravel, trace COPR.			
1.0						Red brown mf SAND, some Silt, trace Gravel and COPR.			
						Orange brown SILT, little Clay, trace Sand, moist.			
1.5									
2.5									
3.0									
3.5			4	4	Black GRAVEL, ASH, and CINDER, little Sand, trace Silt, plastic and glass.			-4	
4.0					Gray fine SAND, little to some Silt.				
					Yellow mf SAND, little Silt.				
					Light gray fine SAND, little to some brown Silt.			-5	

Drilling Company: EMC, Inc.
Driller: Ryan Zajack
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 12/14/11
Date Finish: 12/14/11
Checked By: GG
Sheet 1 of 1

Soil Boring/Well Details: 107_MO20E2

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Eastng: 0
Elevation: 0
Total Depth: 5.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Brown SILT, some fine Sand and Gravel, trace roots.			
				1		Brown fine SAND, some Silt, trace Gravel.			
1.0									
1.5				2					
							Brown SILT, trace fine Sand and Gravel, wet.	Wet	-2
2.5	46		0.0	3			Black GRAVEL, ASH, and CINDERS, some Sand, trace Silt.		-3
3.0				4			Gray fine SAND, some to little Silt, trace Gravel.		-4
3.5							Gray and brown fine SAND, little Silt.		-5
4.0				5					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/13/11
 Date Finish: 12/13/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_MO20W

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level: ~-3
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Black of SAND, some Gravel, trace Silt. Concrete fragments.			
						Black of SAND, some Silt, trace Gravel and COPR.			
1.0				1		Red brown of SAND, little Gravel, little to trace Silt and COPR, trace Hex.		-1	
1.5						Orange brown SILT, little fine Sand, trace Gravel, wet.		-2	
2.5	38		0.0						
3.0				3				-3	
3.5				4		Black of SAND, some Silt, little Gravel, trace Roots, wet.		-4	
4.0						Gray Silty CLAY, trace Sand, wet.		-5	
				5					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302


Casing Diameter: NA
 Date Start: 12/14/11
 Date Finish: 12/14/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_MO26W2

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)							
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation						
0.5	45.5	0.0	0.0	1		Red brown fine SAND, some Silt, trace Gravel and roots.			-1							
1.0				Red brown Clayey SILT, little fine Sand, trace roots, trace white clay.		-2										
1.5				Brown SILT, trace fine Sand, trace plastic (gravel zone 1.5-1.7).						-3						
2.0				Black GRAVEL, ASH, and CINDERS, little Sand, trace Silt, trace Hex at 2.3.							-4					
2.5				Brown fine SAND, some Silt, little Gravel, trace gray fine Sand								-5				
3.0				Gray fine SAND, some Silt, little Gravel.									-6			
3.5				Brown fine SAND and SILT, trace Gravel.										-7		
4.0				Brown Silty CLAY, little to trace Sand, trace Gravel.											-8	
4.5				Brown Silty CLAY, little Gravel, little to trace Sand.												-9
5.0				Brown SILT, some gray fine Sand, trace Gravel.												
6.0																
7.0	41	0.0	2													
8.0			3													
9.0																
10.0																

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302






Casing Diameter: NA
 Date Start: 12/13/11
 Date Finish: 12/13/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M022N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 3.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Brown SILT, some Sand, trace Gravel, trace Wood.			
						Brown mf SAND, some Silt, trace Gravel, trace Roots.			
1.0		36	0.0	1		Gray to brown SILT, little Sand, trace Gravel.			-1
1.5						Brown to orange-brown clayey SILT, little f Sand, trace Gravel.			-2
2.0				2					
2.5						Brown SILT, little Sand, trace Gravel.			-3
				3					
				4					-4
				5					-5
				6					-6

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/13/11
 Date Finish: 12/13/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M026E1

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 2.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)															
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation														
0.5	46			1		Red-brown SILT, little f Sand, little to trace Gravel.			-1															
1.0				Black of SAND, some Gravel, trace Ash, Cinders, trace Silt, trace Glass.		trace COPR																		
1.5				Orange-brown to red-brown f SAND, little Silt, little Gravel, trace COPR, wet.								-2												
2.0													Yellow-brown cm SAND, trace Gravel, trace COPR.		-3									
2.5				Orange-brown SILT, trace Sand.													-4							
3.0													Black of SAND and GRAVEL, some Ash and Cinders, trace Slag, trace Silt.						-5					
3.5				Brown SILT, some f Sand, trace Gravel.																	-6			
4.0													Gray clayey SILT, little f Sand, trace Gravel.										-7	
4.5				Brown silty CLAY, little f Sand, trace Gravel.																				
5.0													Brown clayey SILT, little f Sand.											
6.0			-10																					
REP 121211-4	42																							

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302


Casing Diameter: NA
 Date Start: 12/12/11
 Date Finish: 12/12/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M026E2

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)																
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation															
0.5	46		0.0	1		Brown SILT, trace f Sand, trace Roots, trace Gravel. Dark red-brown of SAND, some COPR, trace Gravel, trace Silt. Brown SILT, trace f Sand, trace Gravel, wet. Brown c SAND, little Silt, little Gravel. Black cf SAND, little Gravel, trace Silt, trace Ash and Cinders. Brown to Red-brown f SAND, some Silt, little Gravel. Brown to gray clayey SILT, little f Sand, moist.	some COPR (70%)	-1																	
1.0				2				1	Gray f SAND and SILT, trace Gravel.	trace Hexavalent Chromium	-2														
1.5				3							2	Brown silty CLAY, trace Sand, trace Gravel.	-3												
2.0				4									3	Gray to brown silty CLAY, some Silt, trace Gravel.	-4										
2.5				5											2	Brown silty CLAY, trace Sand, trace Gravel.	-5								
3.0				6													3	Gray to brown silty CLAY, some Silt, trace Gravel.	-6						
3.5				7															2	Brown silty CLAY, trace Sand, trace Gravel.	-7				
4.0				8																	3	Gray to brown silty CLAY, some Silt, trace Gravel.	-8		
4.5				9																			2	Brown silty CLAY, trace Sand, trace Gravel.	-9
5.0				10																					3
6.0	REP 121211-3	41	0.0																						

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/12/11
 Date Finish: 12/12/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M026N

Project No: 10236-1

Project: Block 107

Client:

Location: Jersey City, NJ

Northing: 0

Easting: 0

Elevation: 0

Total Depth: 8.5

Water Level:

Sampling Method: Geoprobe

Sample Interval: See Log

Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.5				1		Brown mf SAND, some Silt, trace Gravel, little Roots.			-1
1.0						GRAVEL, little black Sand, Ash and Cinders, trace Silt.			
1.5				2		Brown f SAND, some Silt, trace Gravel.			-2
2.0						Red-brown f SAND, some Gravel and Silt.			
2.5		42		3		Brown f SAND, some Silt, trace Gravel.			-3
3.0				4		Brown to gray Silty Clay, trace to little f Sand.			-4
3.5						Brown to blue SILT, little f Sand, mottled.			
4.0				5					-5
4.5									
5.0				6					-6
6.0				7					-7
		38							
				8					-8
				9					-9
				10					-10

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302




Casing Diameter: NA
 Date Start: 12/13/11
 Date Finish: 12/13/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M026W1

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 1.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)								
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description											
0.5	55			1		Brown SILT, little Sand, trace Gravel, trace Roots.	trace COPR		-1								
1.0						Red-brown cf SAND, little Gravel, trace Silt, trace COPR.											
1.5						Brown SILT, trace Sand, trace Gravel, wet.											
2.0						Brown cf SAND, little to some Gravel, trace Silt, trace Hex. Chrome.											
2.5						1				Black cf SAND and GRAVEL, some Ash and Cinders, trace Slag, trace Silt.							
3.0										Brown to red-brown f SAND and SILT, some Gravel.							
3.5										Gray-brown f SAND, some Silt, trace Gravel.							
4.0										Dark-brown f SAND, some Silt, trace to little Gravel.							
4.5						44						2		Gray Clayey SILT, trace Sand, trace Gravel.			-7
5.0														Gray SILT, some brown f Sand.			
6.0																	
7.0																	
8.0	44			3		Gray SILT, some brown f Sand.			-9								
9.0																	
10.0																	
REP 121211-5																	
				11						-11							

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/12/11
 Date Finish: 12/12/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M028E1

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 3.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)						
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation					
0.0						Dark brown SAND and SILT, trace Gravel, trace Roots.									
0.5				1					Brown mf SAND, little Gravel, trace Silt, trace COPR.	trace COPR		-1			
1.0		36	0.0						Red-brown to brown cf SAND, little to some Gravel, trace to little Silt, trace Concrete, trace COPR.				-2		
1.5				2					Red-brown to gray SILT, trace Gravel.					-3	
2.0															-4
2.5				3											
3.0						-6									
				4			-7								
				5				-8							
				6					-9						
				7						-10					
				8							-11				
						-12									

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/12/11
 Date Finish: 12/12/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M030E1

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 4.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Brown of SAND, some Silt, trace Gravel, trace Roots, trace Wood.			
0.5				1		Brown of SAND, some Gravel, trace Silt, trace Concrete, trace COPR.			
1.0									
1.5				2		Red-brown of SAND and GRAVEL, trace Silt, trace Concrete.			
2.0		29.5	0.0						
2.5				3		Red-brown of SAND, little to some Silt, little to trace Gravel.			
3.0				4		Gray to brown f SAND and SILT, trace Gravel, trace black clayey Silt.			
3.5									
4.0					END OF BORING				
				5					
				6					
				7					
				8					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/12/11
 Date Finish: 12/12/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M032E1

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 4.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Black of SAND, some Gravel, trace Silt, trace Roots.			
0.5				1		CONCRETE and GRAVEL.		-1	
1.0						Red-brown mf SAND, some Gravel, little to some Silt.			
1.5				2		Brown SILT, little f Sand, trace Gravel.		-2	
2.0		34.5							
2.5									
3.0				3		Red Gravel, trace Sand and Silt.		-3	
3.5				4		Brown f SAND and SILT, trace Gravel, trace c Sand, moist.		-4	
4.0									
				5				-5	
				6				-6	
				7				-7	
				8				-8	

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/12/11
 Date Finish: 12/12/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M032E2

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 4.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Brown f SAND and SILT, trace Wood.			
0.5				1		Black f SAND, some Silt, trace Gravel, trace Wood, trace Roots, trace Ash, trace Roof Material.			
1.0						Gray to brown f SAND, little Silt and Gravel, trace COPR.	trace COPR	-1	
1.5									
2.0	34		0.0	2				-2	
2.5						Orange-brown SILT, little Gravel, little Sand.			
3.0				3		CONCRETE.		-3	
3.5				4		Red-brown and gray SILT, little to some f Sand, trace Gravel, trace Clay.		-4	
4.0									
				5			-5		
				6			-6		
				7			-7		
				8			-8		

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302




Casing Diameter: NA
 Date Start: 12/12/11
 Date Finish: 12/12/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_MO28N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Brown mf SAND, some Silt, trace Roots and COPR.			
0.5						Brown GRAVEL, little Sand, trace Silt.			
1.0				1		Brown fine SAND, some Silt, trace Gravel.		-1	
1.5				2				-2	
2.0		36	0.0	2.5					
2.5				3					-3
3.0				3.5					
				4		Brown fine SAND, some Silt.		-4	
				5				-5	

Drilling Company: EMC, Inc.
Driller: Ryan Zajack
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 12/13/11
Date Finish: 12/13/11
Checked By: GG
Sheet 1 of 1

Soil Boring/Well Details: 107_MO30N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Brown SILT, some fine Sand, trace Gravel and roots.			
0.5				1		Brown fine SAND and SILT, trace Gravel and roots, moist.			-1
1.0									
1.5									
2.0		46	0.0	2		Red brown fine SAND, some Silt and Gravel, moist.			-2
2.5						Gray fine SAND and SILT, trace Gravel, moist.			
3.0				3					-3
3.5									
4.0				4					-4
				5					-5

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302






Casing Diameter: NA
 Date Start: 12/13/11
 Date Finish: 12/13/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_MO32N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Eastng: 0
Elevation: 0
Total Depth: 5.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.0						Black GRAVEL, ASH, and CINDERS, little Sand, trace Glass.			
0.5						Red brown mf SAND, some Silt, little Gravel.			
1.0				1				-1	
1.5									
2.0				2		Red brown mf SAND, some Gravel, little Silt.		-2	
2.5		36	0.0						
3.0				3				-3	
3.5				4		Red brown fine SAND, some Silt, trace Gravel.		-4	
4.0									
				5		Red brown fine SAND and dark gray SILT, trace Gravel.		-5	

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

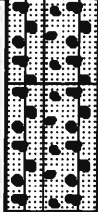



Casing Diameter: NA
 Date Start: 12/13/11
 Date Finish: 12/13/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_MO34N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
				1		Brown fine SAND and SILT, little Gravel, trace roots. Black GRAVEL, ASH, and CINDER, trace Sand, Silt, Glass, Slag.			-1
				2		Red brown fine SAND, some Silt, little to trace Gravel.			-2
		36	0.0	3		Red brown fine SAND, some Gravel, little Silt (gravel layer 1.5-1.8).			-3
3.0				1					
3.5				4		Red brown SILT, some Gravel, little brown fine Sand.			-4
4.0									
4.5									
5.0				5					-5

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/13/11
 Date Finish: 12/13/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 108_M016W_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 7.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			9999			GRAVEL, trace Roots, trace Silt, trace Sand.			
1.0		36	5168	1		Brown SAND and c-f Gravel, trace Silt.			-1
1.5			1436			Brown SAND and m-f GRAVEL, little Silt, trace Cinders and Coal.			-2
2.0			1820	2					
			659			Dark-brown Silty SAND and GRAVEL, some Wood, little Brick, trace Coal and Cinders.			-3
3.0			2011	3					
			1130			Black Silty SAND and GRAVEL, little Cinders, trace Coal and Wood, saturated.			-4
4.0			444	4					
			496			Reddish-brown SILT, some c-m Gravel, trace blue Clay, moist.			-5
5.0			461	5					
			254	6					
6.0			292	2					
			98.2	7					
		47	126		Reddish-brown SILT, some to little c-m Gravel, wet.			-8	
			201	8					
			75.7		Reddish-brown SILT and GRAVEL, moist.			-9	
			151	9					
			9999						
			50.7	3				-10	

Drilling Company: EMC, Inc.
 Driller: Mike Morse
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 07/10/12
 Date Finish: 07/10/12
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 108_M016_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: ~4.5'
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			9999			CONCRETE and black SAND, trace Cinders.			
1.0			9999	1		Dark-brown SAND, some c-f Gravel, trace Wood, trace Cinders, trace Silt.	trace COPR		-1
1.5			896						
2.0			985	2		Light-gray GRAVEL, some Sand.			-2
		32	285						
3.0			120	3		Black SAND, some Gravel, little Silt, trace Coal, trace Cinders.			-3
			117						
4.0			119	4		Brown SILT, little Gravel, saturated.			-4
			175						
5.0			75.8	5		Dark-brown SAND and m-f GRAVEL, little Cinders, trace Coal.			-5
			191						
6.0			38.1	6	Brown Sandy SILT and blue CLAY, some Gravel, moist.			-6	
			56.2						
			57.3	7	Reddish-brown Sandy SILT and GRAVEL, trace Coal.			-7	
		39							
			38.5	8	Yellowish-brown GRAVEL and SAND, little Silt.			-8	
						Reddish-brown Sandy SILT, some Gravel.			
			21.0	9				-9	
			29.0	10				-10	

Drilling Company: EMC, Inc.
 Driller: Mike Morse
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 07/10/12
 Date Finish: 07/10/12
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 108_MO18W2

Project No: 10236-1
Project: Block 108
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 2.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
0.5	48	48	0.9	1		GRAVEL, little Sand, trace Silt.			-1	
1.0				Black cf SAND and GRAVEL, trace Silt, trace COPR.		-2				
				Dark red brown cf SAND, little Gravel and Silt, trace COPR.		-3				
				Orange brown SILT, trace fine Sand, trace Gravel, wet.		-4				
3.0				1		Red fine SAND, some Silt, trace Gravel, wet.				-5
				4		Wood.				-6
4.0				1.7		Black mf SAND, some Silt, trace Gravel, trace Plastic, trace Roots, trace Cinders, wet.				-7
4.5						Brown fine SAND, some Silt, little Gravel, wet.				-8
5.0						Red brown fine SAND, some Silt, little Gravel, wet..				-9
				25						2
			3							

Drilling Company: EMC, Inc.
 Driller: Ryan Zajack
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 12/14/11
 Date Finish: 12/14/11
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M018E2_N

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1.0	22	22	0.0	1		CONCRETE, little Sand, trace Cinders. Reddish-brown SILT, some m-f Gravel, trace Coal.		-1	
1.5				2			-2		
2.0				3			-3		
3.0				4			-4		
4.0				5			-5		
5.0				6			-6		
6.0				7			-7		
				8			-8		
				9			-9		
				10			-10		
	43	43	0.0	1		CONCRETE. Reddish-brown SILT, some Gravel, little yellow Sand.			
			452	2		Reddish-brown silty SAND, some Gravel, moist. Dark-brown silty SAND and GRAVEL, little Coal, trace Cinders.			
			360	3		GRAVEL, little silty reddish-brown Sand. GRAVEL, little gray Sand.			
			121			GRAVEL, some reddish-brown Silt, saturated.			
			265						
			16.7						

Drilling Company: EMC, Inc.
Driller: Mike Morse
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 07/10/12
Date Finish: 07/10/12
Checked By: GG
Sheet 1 of 1

Soil Boring/Well Details: 108_M018W2_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)								
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation							
1.0	34		47.8	1		CONCRETE, some black f Sand, little Topsoil, trace Roots, trace Wood.			-1								
1.5				2		GRAVEL, some gray to light-brown c-f Sand.				-2							
2.0				3		Light-gray GRAVEL, some c-f Sand.					-3						
3.0				4		Brown SAND, some Gravel.						-4					
4.0				5		Dark-brown SAND and GRAVEL.							-5				
5.0				6		Black SAND, little Silt, little Gravel, trace Wood, saturated.								-6			
6.0				7		Brown SILT, some Gravel, trace Coal, moist.									-7		
				8		Black SAND, some Gravel, trace Coal and Cinders.										-8	
				9		Brown SILT, little Gravel, trace Plastic, moist.											-9
				10		Reddish-brown SILT, some c-m Gravel, little Sand, saturated.											
	29		65.5	8													
			271	9													
			37.9	10													

Drilling Company: EMC, Inc.
 Driller: Mike Morse
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 07/10/12
 Date Finish: 07/10/12
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 108_M018N_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level: ~3.5'
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
		41		107		Pale yellowish-brown SAND (TOPSOIL), some Gravel, little Roots.			-1	
				1		CONCRETE.				
				53.5		2	Black c-f SAND, some m-f Gravel, little Cinders and Coal, trace reddish-brown Silt.			-2
				30.7		3	Black silty SAND, little Gravel, little Cinders, trace Coal, saturated.			-3
				875		4	Reddish-brown Silty SAND, little Gravel, trace to little Cinders, trace Coal.			-4
			161	5				-5		
				6				-6		
				7				-7		
				8				-8		

Drilling Company: EMC, Inc.
 Driller: Mike Morse
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 07/10/12
 Date Finish: 07/10/12
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M020N_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: ~-3.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1.0		45	188	1		Yellowish-brown sandy SILT, trace Wood, trace Roots, trace Gravel, saturated.		-1	
1.5			171	2		Brown silty SAND, little Gravel, trace Roots.		-2	
2.0			15.9	3		Reddish-brown GRAVEL, little silty Sand.		-3	
3.0			16.4	4		Reddish-brown SILT, little Gravel, saturated.		-4	
4.0			0.0	5		Reddish-brown/brown SILT, some Gravel, saturated.		-5	
5.0			24.6	6		Yellowish-brown SILT and GRAVEL, moist.		-6	
6.0		40	12.6	7		c-f GRAVEL, some reddish-brown Silt, saturated.		-7	
			5.1	8		c-f GRAVEL, some reddish-brown Silt, saturated.		-8	
			4.2	9		c-f GRAVEL, some reddish-brown Silt, saturated.		-9	
			0.0	10		c-f GRAVEL, some reddish-brown Silt, saturated.		-10	

Drilling Company: EMC, Inc.
 Driller: Mike Morse
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 07/10/12
 Date Finish: 07/10/12
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M022_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 7.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
1.0	37	37	13.5	1		Pale yellowish-brown SAND (TOPSOIL), little Gravel, trace Roots.			-1	
1.5				2		Brown silty SAND, little to trace Gravel.				-2
2.0				2		Black SAND and m-f GRAVEL, some to little Cinders and Coal, trace Silt.				-2
3.0				3		Greenish-brown SILT, moist.				-3
4.0				4		Greenish-brown SILT and blue CLAY, moist.				-4
5.0				5		Black SAND and f GRAVEL, some Cinders, little Coal, trace Silt.				-5
6.0				6		Yellow/pale blue/grey silty SAND, moist.				-6
				7		Reddish-brown SAND, little Silt, wet.				-7
				8						-8
				9		Reddish-brown sandy SILT, some Gravel, trace Clay, moist to saturated.				-9
	10		-10							
	48	48	16.5	2						
				7	12.4					
			107	8						
			928	9						
			78.3	3						

Drilling Company: EMC, Inc.
 Driller: Mike Morse
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302





Casing Diameter: NA
 Date Start: 07/10/12
 Date Finish: 07/10/12
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M022N_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 6.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1.0		40	54.7	1		Brown silty SAND, little Gravel, trace Roots, saturated.			-1
1.5							Bluish-gray Clayey SAND, trace Silt, trace Roots, saturated.		
2.0			24.0	2			Gray Silty SAND, saturated.		-2
3.0			7.3	3	1				-3
4.0			0.0	4		Reddish-brown Silty SAND, trace Roots, trace Gravel, moist.			-4
5.0			15.4	5		Brown Silty SAND, some Gravel, moist.			-5
6.0			21.6	6		Reddish-brown SAND, little Gravel, wet.			-6
		30							
				7.8	7				-7
			21.0	8	2		Reddish-brown Silty SAND, some to little Gravel, trace Grass, wet to moist.		-8
			10.4	9					-9
			7.4	10	3				-10

Drilling Company: EMC, Inc.
Driller: Mike Morse
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 07/10/12
Date Finish: 07/10/12
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M024_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 6.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1.0		51	5.0	1		Pale yellowish-brown SAND (TOPSOIL), trace Gravel, trace Roots.		-1	
1.5			11.2	2		Dark-brown SAND and GRAVEL.		-2	
2.0			40.1	3		Black SAND, some Gravel, little Coal and Cinders.		-3	
3.0			17.8	4		Brown Sandy SILT, little Gravel, trace Clay, trace Coal.		-4	
4.0			29.6	5		Dark-brown SILT, trace Coal, trace Clay, trace Gravel.		-5	
5.0			6.8	6		Black SAND, little Coal, little f Gravel.		-6	
6.0		49	10.2	7		Reddish-brown SAND, some Gravel.		-7	
			6.0	8		Greenish-brown Clayey SILT, moist to wet.		-8	
			0.0	9	Dark-brown CLAY, moist.		-9		
			0.0	10	3		Dark-gray SAND, little Gravel, trace Silt, saturated.		-10

Drilling Company: EMC, Inc.
 Driller: Mike Morse
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 07/10/12
 Date Finish: 07/10/12
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M024N_1

Project No: 10236-2
Project: PPG Conrail
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: ~7'
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Elena DeFeo

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
1.0	42	42	0.0	1	[Symbol: Brown Silty SAND, trace Roots, trace Plastic.]	Brown Silty SAND, trace Roots, trace Plastic.			-1	
1.5				2		[Symbol: Brown Clayey SAND, some Gravel, trace Wood, trace Roots, trace Roofing Material, trace Cinders.]				Brown Clayey SAND, some Gravel, trace Wood, trace Roots, trace Roofing Material, trace Cinders.
2.0				3	[Symbol: Brown SILT, little Gravel, trace Roots, trace Clay.]					Brown SILT, little Gravel, trace Roots, trace Clay.
2.5				4		[Symbol: Brown Sandy CLAY, trace Roots, moist.]				Brown Sandy CLAY, trace Roots, moist.
3.0				5	[Symbol: Brown CLAY, trace Gravel, trace Roots, moist.]					Brown CLAY, trace Gravel, trace Roots, moist.
4.0				6		[Symbol: Dark-brown/brown CLAY, trace Roots, moist.]				Dark-brown/brown CLAY, trace Roots, moist.
5.0	7	[Symbol: Brown Clayey SAND, trace Gravel, moist.]	Brown Clayey SAND, trace Gravel, moist.	-7						
6.0	8		[Symbol: Reddish-brown SILT, some to little Gravel, saturated.]	Reddish-brown SILT, some to little Gravel, saturated.	-8					
	9	[Symbol: Reddish-brown SILT, some to little Gravel, saturated.]		Reddish-brown SILT, some to little Gravel, saturated.	-9					
	10		[Symbol: Reddish-brown SILT, some to little Gravel, saturated.]	Reddish-brown SILT, some to little Gravel, saturated.	-10					

Drilling Company: EMC, Inc.
 Driller: Mike Morse
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

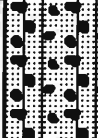




Casing Diameter: NA
 Date Start: 07/10/12
 Date Finish: 07/10/12
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_M024N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 4.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
0.5	28	28	28	1		Brown mf SAND and SILT, little Roots, trace Gravel.			-1
1.0					Black GRAVEL and cf SAND, little Ash and Cinders, trace Silt.			-2	
1.5					Gray to brown clayey SILT, trace Gravel, trace f Sand, trace Roots, moist.			-3	
2.0					Gray clayey SILT, little Sand, moist.			-4	
								-5	
				2					-6
				7					-7
				8					-8

Drilling Company: EMC, Inc.
Driller: Ryan Zajack
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 12/13/2011
Date Finish: 12/13/2011
Checked By: GG
Sheet 1 of 1








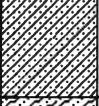

SITE 108 HOTSPOT

Soil Boring/Well Details: 108_K018

Project No: 10236-1
Project: Site 108
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 12.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
K018-0.0		35	0.0	1		ASPHALT				
				1-2		Black GRAVEL, ASH and CINDER, little Sand, trace Silt and Glass				
				2-3		Orange brown SILT, little grey f Sand, little reddish brown Silt, trace Gravel (mottled)				
				3-4		Orange brown to reddish brown f SAND and SILT, some Gravel				
K018-4.5		32	0.0	5		Grey GRAVEL, little Sand, trace Silt		WET		
				5-6		Orange brown to reddish brown f SAND and SILT, some Gravel				
				6-7		Reddish brown SAND and CLAY, some Gravel, little Silt				
				7-8		Reddish brown SILT, little Gravel and Sand				
K018-8.5		60	0.0	9		Reddish brown mf SAND, some GRAVEL, little Silt		WET		
				9-10						
				10-11						
				11-12						
K018-12.5				12						
				13						
				14						
				15						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302



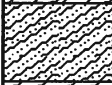

Casing Diameter: NA
Date Start: 2/11/2011
Date Finish: 2/11/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 108_K018

Project No: 10236-1
Project: Site 108
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 12.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft.)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				16		Reddish brown SAND and CLAY, some Silt, little Gravel			
		60	0.0	17					
				18		Reddish brown SILT and CLAY, some Sand, little Gravel		WET	
				19					
				20		Reddish brown SILT, little Gravel and Sand		MOIST	
				21					
				22		Grey brown SILT and CLAY, little Sand and Gravel		WET	
		32	0.0	23		Reddish brown GRAVEL, trace Sand and Silt			
				24		Reddish brown mf SAND, some Gravel, little Silt			
				25		END OF BORING			
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302


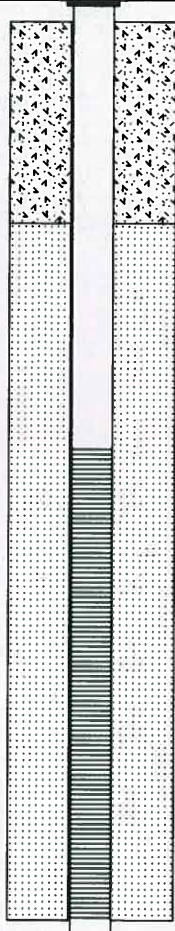

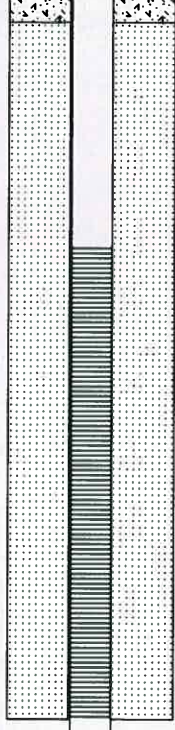

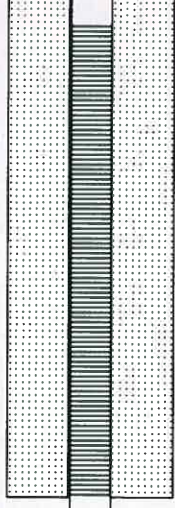

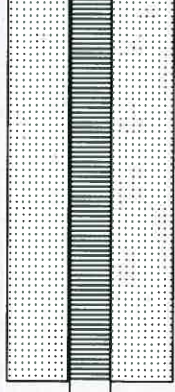

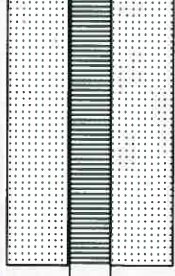

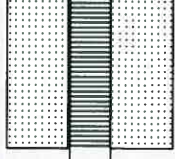
Casing Diameter: NA
Date Start: 2/11/2011
Date Finish: 2/11/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 108_M018/MW-7

Project No: 10236-1
Project: Block 108
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677303.6735
Eastng: 606590.4937
Elevation: 0
Total Depth: 24.0

Water Level: 17.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)		
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation	
M018-0.0		48	0.0	1		TOPSOIL					
				2		Black of Sand and GRAVEL, little Concrete, trace Cinder				30% COPR	
				3						30%-60% COPR	
				4						WET	
M018-4.0		30	0.0	5		Brown SILT and GRAVEL, some of Sand					
				6		Orange brown of SAND and GRAVEL, some Silt				MOIST	
				7							
				8							
M018-8.0		57	0.0	9							
				10							WET
				11							
				12							
M018-12.0		56	0.0	13							
				14							SATURATED
				15							
				16							
		48	0.0	17							
				18							WET
				19							
				20							
				21							
				22							WET
				23							
				24							
				25		END OF BORING					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 2/23/2011
 Date Finish: 2/23/2011
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 108_M018A

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level: 8.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
				1	[Symbol: Dotted]	ASPHALT.			
				1	[Symbol: Dotted]	TOPSOIL.			
				1	[Symbol: Dotted]	Dark-brown of SAND, some Silt and Gravel, trace Cinder.		trace COPR	
		35	0.0	2	[Symbol: Dotted]	Brown of SAND, some Gravel and Silt.		15% COPR	
				3	[Symbol: Dotted]	Orange-brown SILT, trace Gravel.			
				4	[Symbol: Dotted]	Brown of SAND and SILT, little Gravel, trace Plastic.			
				5	[Symbol: Dotted]	Dark-brown of SAND and GRAVEL, some Silt, trace Slag and Brick.		20% COPR	
				6	[Symbol: Dotted]	Brown SILT, little Gravel.			
				7	[Symbol: Triangles]	Brown of SAND and GRAVEL, some Silt.		MOIST	
		41	0.0	8	[Symbol: Triangles]	Orange-brown of SAND and GRAVEL, some Silt.		WET	
				9	[Symbol: Triangles]				
				10	[Symbol: Triangles]	END OF BORING			
				11					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 8/16/2011
 Date Finish: 8/16/2011
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 108_M018B

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Eastng: 0
Elevation: 0
Total Depth: 10.0

Water Level: 3.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		27	0.0	1		ASPHALT.			
				2		Brown of SAND and GRAVEL, some Silt, little Concrete, trace Cinder.			
				3		Dark-brown of SAND and GRAVEL, some Silt, little Concrete, trace Brick.	trace COPR		
				4		Brown of SAND and GRAVEL, some Silt, trace Wood, Brick and Concrete.			
				5		Dark-brown SILT, some of Sand and Gravel, trace Wood and Glass.	WET		
				6		Black/brown SILT, trace Gravel.			
				7		Reddish-brown mf SAND, some Silt and Gravel.			
		35	0.0	8		Reddish-brown SILT, some mf Sand, little Gravel.			
				9		Reddish-brown mf SAND and red Shale, some Silt.			
				10		Dark-gray of SAND, some Silt, trace Gravel.	WET		
				11		Reddish-brown mf SAND and red Shale, some Silt.			
						Red BRICK.			
						END OF BORING			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 8/16/2011
Date Finish: 8/16/2011
Checked By: GG
 Sheet 1 of 1




SITE 107

Soil Boring/Well Details: 107_D019

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677137.9313
Eastng: 606805.6084
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
D019-0.0		36	0.0	1		Asphalt.			
				2		Black of SAND and GRAVEL, Some Silt.			
				3		Brown SILT, some of Sand, trace Gravel, dry to wet.			
				4					
D019-4.0				5		Orange-brown of SAND and GRAVEL, some Silt, dry to moist.			
	6			7					
	8	38.5	0.0	9					
	10			11					
D019-8.0				12		Orange-brown SILTY SAND and GRAVEL, some Silt.			
	13			14					
	15								
D019-12.0				16					
	29		0.0	17					
				18					
				19					
				20					
				21					
				22					
				23					
				24					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/23/2011
Date Finish: 2/23/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_D019

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677137.9313
Easting: 606805.6084
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		30	0.0	16 17 18 19 20 21 22		Orange-brown of SAND and GRAVEL, some Silt, saturated-wet-moist.			
		25	0.0	23 24					
				25 26 27 28 29 30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/23/2011
Date Finish: 2/23/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_D021

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677181.2677
Easting: 606847.1054
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
D021-0.0		35	0.0	1		Asphalt.			
				2		Black GRAVEL and cf SAND, little Silt, trace Cinder.			
D021-2.5				3		Black cf SAND and GRAVEL, some Silt, little Cinder.			
				4		Black SILTY cf SAND, some Gravel, trace Sea-shells and Cinder.			
				5		Light brown SILT, some mf Sand, trace Gravel, dry-moist-wet.			
				6					
D021-6.5	7	58	0.0	8					
	9			10			Orange brown cf SAND and GRAVEL, some Silt, moist.		
				11					
D021-10.5	12	47	0.0	13					
	14			15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajack
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

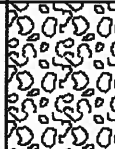
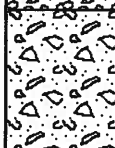
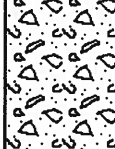

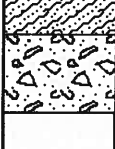
Casing Diameter: NA
Date Start: 2/15/2011
Date Finish: 2/15/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_D021

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677181.2677
Easting: 606847.1054
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				16		GRAVEL, some brown of Sand and Silt, saturated.			
		13	0.0	17		Orange brown GRAVEL and of SAND, some Silt, wet.			
				18					
				19					
				20					
				21					
		25	0.0	22		Orange brown SILT, some of Sand and Gravel, wet.			
				23					
				24		Orange brown of SAND and GRAVEL, some Silt, wet.			
				25		End of Soil Boring @ 24.0 feet			
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajack
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/15/2011
Date Finish: 2/15/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_D023

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677224.6041
Eastng: 606888.6024
Elevation: 0
Total Depth: 24.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)			
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation		
D023-0.0		41	0.0	1		ASPHALT.						
				GRAVEL and black cf SAND, little Silt.								
				Brown cf SAND and GRAVEL, some Silt.								
				BRICK and GRAVEL.								
				Brown cf SAND, some Silt and Gravel.								
D023-3.5										2		Brown cf SAND and GRAVEL, some Silt, little Wood, trace Cinder.
										3		Brown cf SAND, some Silt and Gravel.
D023-7.0										4		Light brown cf SAND, some Silt and Gravel.
										5		Orange-brown SAND and GRAVEL.
D023-11.0										6		
			7									
			8									
			9									
			10									
			11									
			12									
			13									

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_D023

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677224.6041
Easting: 606888.6024
Elevation: 0
Total Depth: 24.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
			0.0	4		Orange-brown of SAND and GRAVEL, some Silt.			
				14					
D023-15.0				15					
				16					
				5					
		36	0.0	17					
				18					
				19					
				6					
				20					
				21					
		31	0.0	22					
				23					
				7					
				24					
				25					
				26					
							End of Soil Boring @ 24.0 feet		

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

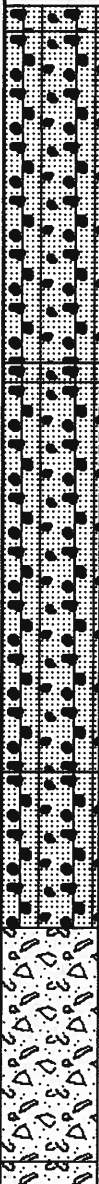
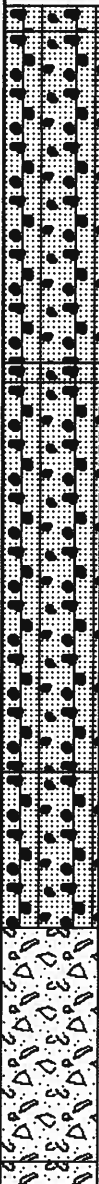
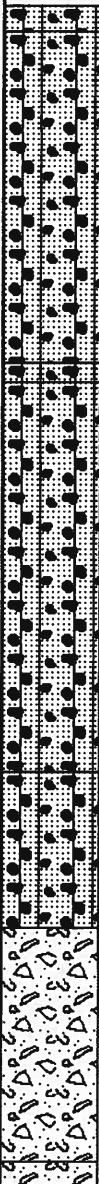
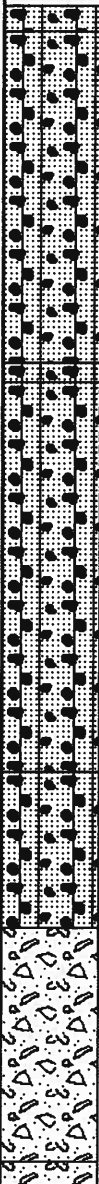
Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_D025

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677267.9405
Eastng: 606930.0994
Elevation: 0
Total Depth: 24.0

Water Level: 17.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
D025-0.0		22	0.0	1		ASPHALT. GRAVEL and black/grey of SAND, little Silt.			
				2		Brown of SAND and GRAVEL, some Silt, little Cinder, trace Brick.			
D025-3.5				3					
				4					
D025-7.5		35	0.0	5		BRICK. Brown of SAND and GRAVEL, some Silt, little Cinder, trace Brick.			
				6					
				7					
				8					
D025-11.5		30	0.0	9		Brown of SAND and GRAVEL, some Silt, trace Cinder.			
				10					
				11					
				12					
				13		Brown of SAND and GRAVEL, some Silt.			
				14					
				15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302



Casing Diameter: NA
Date Start: 2/15/2011
Date Finish: 2/15/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_D025

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677267.9405
Easting: 606930.0994
Elevation: 0
Total Depth: 24.0

Water Level: 17.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
D025-15.5		30	0.0	16 5		Orange brown of SAND and GRAVEL, some Silt, moist-wet-moist.			
				17 18 19					
D025-19.5		21	0.0	20 6		Orange brown GRAVEL and of SAND, some Silt, wet to moist.			
				21 22 23 7					
				24		End of Soil Boring @ 24.0 feet			
				25 26 27 28 29 30 8 9					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/15/2011
Date Finish: 2/15/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_E026A

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677304.3902
Easting: 606935.5177
Elevation: 0
Total Depth: 24.0

Water Level: 11.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)			
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation		
E026A-0.0		39	0.0	1		ASPHALT.						
				1		GRAVEL, some brown cf Sand, little Silt, trace Cinders.						
				2		CINDER.						
				2		Brown cf SAND and GRAVEL, some Silt.						
				3								
				4		Brown cf SAND and GRAVEL, some Silt, little Cinder.						
E026A-4.5				5								
				6		Brown cf SAND and GRAVEL, some Wood and Silt, trace Glass and Cinder, moist.						
				7		2				Dark brown cf SAND and GRAVEL, some Silt, little Wood, trace Glass and Cinder, moist.		
E026A-7.0				8		36				0.0	8	Brown to light brown mf Sand, some Silt, moist.
				9								
				10		3						
				11							11	Light brown cf Sand, some Silt, moist to wet.
E026A-11.0	12			12	Light brown cf Sand, some Silt and Gravel, moist.							
	13	42	0.0	13								

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 107_E026A

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677304.3902
Eastng: 606935.5177
Elevation: 0
Total Depth: 24.0

Water Level: 11.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				Formation
E026A-15.0				4		Orange brown cf SAND and GRAVEL, some Silt, moist.				
				14						
				15						
				16						
				5						
				17		40				0.0
				18						
				19						
				6						
				20						
				21						
				22		43				0.0
23										
7										
24										
25										
26										

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_E027

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677332.1003
Eastng: 606950.0001
Elevation: 0
Total Depth: 24.0

Water Level: 11.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
E027-0.0		30	0.0	1	1	ASPHALT.			
				Black of SAND and GRAVEL, some Silt					
				Brown of SAND and GRAVEL, some Silt, little Brick					
E027-2.5	3	BRICK							
	Brown of SAND and GRAVEL, some Silt, trace Glass and Cinder								
	5	Black of SAND and GRAVEL, some Silt, little Cinder, trace Glass							
	6	BRICK							
	7								
E027-7.5	8	Black of SAND and GRAVEL, some Silt, little Cinder, trace Glass, moist.							
	9	Black to brown SILT, some mf Sand, moist.							
	10	3	Brown mf SAND, some Silt, moist to wet.						
E027-11.5	11								
	12								

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302







Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_E027

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677332.1003
Easting: 606950.0001
Elevation: 0
Total Depth: 24.0

Water Level: 11.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE				Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description	Formation			
E027-15.5		45	0.0	13		Brown to orange brown mf SAND and GRAVEL, some Silt, wet.				
				14		Orange brown of SAND and GRAVEL, some Silt, wet to moist.				
		40	0.0	15						
				16						
				17						
				18		ROCK.				
				19		Orange brown of SAND and GRAVEL, some Silt, moist to wet.				
				20						
		18	0.0	21						
				22						
				23						
				24						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_E028A

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677344.4323
Eastng: 606980.7137
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
E028A-0.0		26	0.0	1		ASPHALT.			
				2		Black of SAND and GRAVEL, some Silt.			
				3		Orange brown to brown of SAND and GRAVEL, some Silt and Brick, trace Cinder.			
E028A-3.5				4		BRICK.			
	5	Orange brown to brown of SAND and GRAVEL, some Silt and Brick, trace Cinder.							
	6	BRICK.							
E028A-6.0		24	0.0	7		Brown of SAND and GRAVEL, some Silt and Rubber, little Cinder, trace Wood.			
				8		Brown of SAND and GRAVEL, some Silt, trace Cinder.			
				9					
E028A-9.0				10		Black of SAND and GRAVEL, some Silt, little Cinder, wet.			
E028A-10.0				11		Brown SILT, moist.			
				12					
				13					

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302	Casing Diameter: NA Date Start: 2/14/2011 Date Finish: 2/14/2011 Checked By: GG Sheet 1 of 2
---	--	--

Soil Boring/Well Details: 107_E028A

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677344.4323
Easting: 606980.7137
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
E028A-14.0				4		Orange brown of SAND and GRAVEL, some Silt, moist to wet.			
				14					
				15					
				16					
				5					
		42	0.0	17					
				18					
E028A-18.0				18					
				19					
				6					
				20					
				21					
		60	0.0	22	Orange brown of SAND, some Silt and Gravel, saturated.				
				23	7				
				24	End of Soil Boring @ 24.0 feet				
				25					
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_E029

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677375.4367
Eastng: 606991.4971
Elevation: 0
Total Depth: 24.0

Water Level: 8.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
E029-0.0		37	0.0	1		ASPHALT.			
				2		Black/grey GRAVEL, little black cf Sand, trace Silt.			
				3		Brown cf SAND, some Silt, little Gravel.			
E029-3.5		27	0.0	4		Black cf SAND and GRAVEL, some Silt and Cinder, trace Brick.			
				5		Brown cf SAND and BRICK, some Silt, little Gravel.			
				6					
				7		BRICK, little brown cf Sand, trace Silt.			
				8		Grey/brown cf SAND, some Silt and Gravel, trace Brick.			
E029-7.5				9		Black mf SAND, some Silt and Gravel, little Wood, moist.			
				10		WOOD.			
				11		Brown/grey SILT, moist.			
E029-10.5				12					
				13		Brown/grey SILT, moist.			
E029-14.5				14		Orange brown cf SAND and GRAVEL, some Silt, moist-wet-moist.			
				15					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302


Casing Diameter: NA
 Date Start: 2/14/2011
 Date Finish: 2/14/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_E029

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677375.4367
Easting: 606991.4971
Elevation: 0
Total Depth: 24.0

Water Level: 8.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				
E029-18.5		52	0.0	16						
				17						
		18								
		19								
		20	26	0.0						21
		22								
		23	7							
		24	End of Soil Boring @ 24.0 feet							25
		26	8							
		27								
28										
29	9									
30										

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_E031

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677418.7731
Eastng: 607032.9941
Elevation: 0
Total Depth: 24.0

Water Level: 9.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
E031-0.0		30	0.0	1		ASPHALT			
				2		Dark brown of SAND and GRAVEL, some Silt, trace Cinder			
				3		Brown of SAND and GRAVEL, some Silt, little Cinder			
E031-3.5	4	Light brown of SAND, some Silt, little Gravel							
	5	CALCITE							
	6	Black of SAND and GRAVEL, some Silt, trace Brick and Cinder							
E031-6.5	7	CONCRETE							
	8	Brown of SAND and BRICK, some Silt and Gravel, trace Cinder							
	9	Black of SAND and BRICK, some Cinder, little Silt							
E031-11.5	10								
	11	0.4							
	12	30	0.0	13		Brown SILT, some f Sand			
	14								
	15								

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 107_E031

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677418.7731
Easting: 607032.9941
Elevation: 0
Total Depth: 24.0

Water Level: 9.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
E031-15.5		60	0.0	16		Brown to grey SILT			
				17		Orange brown mf SAND, some Silt and Gravel			
E031-19.5		36	0.0	18					
				19					
				20		Orange brown mf SAND and GRAVEL, some Silt			
				21					
				22					
				23					
				24		End of Soil Boring @ 24.0 feet			
				25					
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/14/2011
Date Finish: 2/14/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_E034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677418.7731
Eastng: 607032.9941
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		54		1	1	Black ASH and CINDER, little Gravel, little Sand, trace Silt.			
				2		Brown to red GRAVEL, some f Sand, little Silt, trace Ash, trace Brick.			
				3					
				4		Red-brown SILT, little f Sand.			
				5		CONCRETE, some black Ash, Cinder, Gravel, wet.			
				6					
				7					
		36		8		Black ASH and CINDER, some Gravel, wet.			
			0.2	9		Brown silty CLAY, trace f Sand, wet.			
				10					
				11		Black ASH and CINDER, some Gravel, wet.			
				12		Brown silty CLAY, trace f Sand, wet.			
				13					
				14					
		33		15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

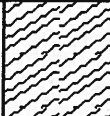

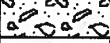
Casing Diameter: NA
Date Start: 1/25/2011
Date Finish: 1/25/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_E034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677418.7731
Easting: 607032.9941
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				16		Gray-brown clayey SILT, little f Sand, wet.			
		60	0.2	17		Gray-brown f SAND, some Silt, trace Clay, wet.			
				18		Yellow-brown silty CLAY, trace f Sand, moist.			
				19	Gray-brown f SAND, some Silt, trace Clay, wet.				
				20		Red-brown mf SAND and GRAVEL, some Silt, Till, moist.			
		48	0.0	21		Red-brown mf SAND, little Silt, wet.			
				22		Red-brown mf SAND, little Silt, wet.			
				23	7				
				24		Red-brown mf SAND and GRAVEL, some Silt, moist.			
				25					
				26	8				
				27					
				28					
				29					
				30	9				

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302










Casing Diameter: NA
Date Start: 1/25/2011
Date Finish: 1/25/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_E036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		45	0.0	1		ASPHALT.			
				2		Dark-brown of SAND and GRAVEL, some Silt, trace Brick, Cinder and Rooting Material.			
				3		Brown of SAND and red BRICK, some Silt, trace Plastic and Cinder.			
				4		Brown of SAND and SILT, little Gravel, trace Brick, Cinder and Wood.		trace COPR	
				5		Brown of SAND, some Silt and Gravel, trace Brick, Cinder and Concrete.			
				6		CONCRETE and brown of SAND, some Silt, little Gravel, trace Brick and Cinder.			
				7		Brown of SAND, some Silt, little Gravel, trace Cinder, Brick and Concrete.			
				8		Red BRICK, some brown of Sand, little Concrete, trace Cinder.			
				9		END OF BORING			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302






Casing Diameter: NA
Date Start: 8/16/2011
Date Finish: 8/16/2011
Checked By: GG
Sheet 1 of 1

Soil Boring/Well Details: 107_F035

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		39	0.0	1		ASPHALT. Dark-brown of SAND and GRAVEL, some Silt, trace Brick and Cinder.			
				2		Brown of SAND, some Silt, little Gravel, trace Brick, Glass, Cinder, Concrete, Wood.			
				3		Brown of SAND and CONCRETE, some Silt and Gravel, trace Brick, Glass, Cinder, Wood.	20% COPR		
				4		Reddish-brown mf SAND, some Gravel and Silt. CONCRETE.	trace COPR		
				5		Brown mf SAND, some Silt, trace Gravel. END OF BORING			
				6					
				7					
				8					
				9					
				10					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 08/16/2011
Date Finish: 08/16/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			3.3	1		Black of SAND, some black Rooting material and Silt, trace Brick and Cinder.			
		51	63.6	2		Brown of SAND and BRICK, some Silt, little Concrete, trace Cinder and heavy black Plastic.			
			2.2	3					
			15.8	4		BRICK.		50% COPR	
			5.0	5		Brown of SAND and GRAVEL, some Silt, trace Brick, Wood, Concrete.		20% COPR	
				6		WOOD and brown of SAND, little Gravel, trace Brick.		10% COPR	
				7		Brown of SAND and CONCRETE, some Silt, little Gravel, trace Brick.			
		60	0.0	8		Brown of SAND, some Gravel and Silt, trace Brick and Concrete.			
				9		Brown of SAND, some brown c Sand and Silt, little Gravel, trace Concrete.			
				10		3	END OF BORING		
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 6/7/2011
Date Finish: 6/7/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F036S

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 5.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
				1	[Symbol]	ASPHALT.			
				1	[Symbol]	Black of SAND and GRAVEL, some Silt, little Rooting Material, trace Brick and Cinder.			
				2	[Symbol]	Brown of SAND and GRAVEL, some Silt, little Clay, trace Brick and Cinder.			
		52/60	0.0	3	[Symbol]	Brown of SAND, some Gravel and Silt, little Brick, trace Cinder, Wood and Glass.		trace COPR	
				1	[Symbol]	WOOD.			
				4	[Symbol]	Red BRICK and WOOD.		10% COPR	
				4	[Symbol]	Brown of SAND, some Silt and Gravel, trace Wood, Metal, Cinder and Brick.			
				5	[Symbol]	Brown of SAND, some Gravel and Silt, trace Wood, Cinder and Brick.			
				5	[Symbol]	END OF BORING			
				6	[Symbol]				
				2	[Symbol]				
				7	[Symbol]				

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 8/16/2011
Date Finish: 8/16/2011
Checked By: GG
Sheet 1 of 1

Soil Boring/Well Details: 107_F037

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 7.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		56/84	0.0	1	[Symbol: Dotted pattern]	ASPHALT. ROOTING MATERIAL, dark-brown of Sand, some Gravel and Silt, trace Cinder.			
				2	[Symbol: Dotted pattern]	Brown of SAND and GRAVEL, some Silt, trace Brick, Cinder, Concrete, Glass.			
				3	[Symbol: Dotted pattern]				
				4	[Symbol: Dotted pattern]	CONCRETE.			
				5	[Symbol: Dotted pattern]	Red BRICK.	20% COPR		
				6	[Symbol: Dotted pattern]	Brown of SAND, some Silt and Gravel, trace Glass, Brick and Cinder.	10% COPR		
				7	[Symbol: Dotted pattern]	Red BRICK, some Concrete, little brown of Sand, trace Gravel and Silt.			
				8	[Symbol: Dotted pattern]	Brown of SAND, some Silt, little Gravel, trace Brick and Cinder, trace Wood and Metal (nail).			
				9	[Symbol: Dotted pattern]	END OF BORING			
				10	[Symbol: Dotted pattern]				

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 08/16/2011
Date Finish: 08/16/2011
Checked By: GG
Sheet 1 of 1

Soil Boring/Well Details: 107_F037E

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 12.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		39.5	0.0	1		ASPHALT. Dark-brown of SAND and GRAVEL, some Silt. Dark-brown of SAND and ROOTING MATERIAL, some Gravel and Silt, trace Glass and Brick.			
				2		Brown of SAND and CONCRETE, some Silt, little Gravel, trace Brick.			
				3		Brown of SAND and GRAVEL, some Brick, little Silt, trace Cinder.			
				4		Red BRICK.			
				5		Brown of SAND, some Brick and Silt, little Gravel, trace Concrete and Cinder.	Trace COPR		
				6		Red BRICK, some Brown of Sand, little Gravel, trace Concrete.			
				7		Brown of SAND and red BRICK, little Gravel, trace Concrete and Cinder.			
				8		Brown of SAND and CONCRETE, some Silt, little Gravel, trace Brick and Cinder.	MOIST		

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 08/15/2011
Date Finish: 08/15/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_F037E

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 12.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		40		9		Brown mf SAND and CONCRETE, some Silt, little Gravel, trace Brick and Cinder.	SATURATED		
				10		Brown SILT, some mf Sand, little Gravel, trace Cinder and Brick.			
			0.0	10		Brown Silt, little Gravel, trace Cinder.			
				11		Brown SILT, some Cinder, little Gravel, trace Brick.			
				12		Brown of SAND, some Gravel, little Cinder and Slag, trace Brick.			
				12		END OF BORING			
				13			WET		
				14					
				15					
				16					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 08/15/2011
Date Finish: 08/15/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_F038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			112.6	1		Black of SAND and black ROOTING MATERIAL, some Gravel and Silt, trace Brick and Cinder.			
			57.8	2					
	53	>	15,000	3		Brown of SAND, some Gravel and Silt, trace Brick, Concrete and Cinder.			
			28.7	4					
			1040	5		Brown of SAND and BRICK, some Silt, little Gravel, trace Cinder and Wood.	trace COPR		
			0.0	6		Brown of SAND and GRAVEL, some Brick and Silt, little Wood.	10% COPR		
			8.9	7		Brown mf SAND, some Silt, little Gravel.			
	19		11.0	8					
			59.4	9					
			36.6	10					
				11		END OF BORING			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/07/2011
Date Finish: 06/07/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F039

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		47	0.0	1		Black of SAND, black Rooting materials, some Silt and Gravel, trace Wood, Brick and Cinder.			
				2		Brown of SAND, some Silt, trace Brick and Cinder.			
				3		CONCRETE.			
				3.1		Brown of SAND, some Silt, trace Brick, Concrete and Cinder.			
				4		Brown of SAND and BRICK, some Silt, trace Concrete and Cinder.			
				5				20% COPR	
				6		Brown of SAND, some Gravel and Silt, trace Brick and Cinder, Seashells, Glass.		10% COPR	
		33	0.0	7					
				8					
				9		Brown of SAND and BRICK, some Silt, trace Wood.		10% COPR	
				10					
				10.3		END OF BORING			
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 6/7/2011
Date Finish: 6/7/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F039W

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 12.0

Water Level: 11.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		48	0.0	1		ASPHALT. Dark-brown of SAND and GRAVEL, some Silt, trace Brick and Cinder.			
				2		ROOTING MATERIAL. Brown of SAND and GRAVEL, some Silt, trace Brick and Cinder, Plastic.			
				3					
				4		CONCRETE.			
				5		Brown of SAND, some Gravel and Silt, little Brick, trace Cinder and Concrete.		10% COPR	
				6		Reddish-brown of SAND, some Gravel and Silt, trace Brick and Cinder.		trace COPR	
				7					
		42		8		WOOD.			
			0.0	9		CONCRETE and BRICK.			
				10		Gray of SAND and GRAVEL, little Silt, trace Cinder and Brick.			
				11		Reddish-brown mf SAND, some Silt, little Gravel.		MOIST 10% COPR	
				12		Dark-brown SILT, some Gravel, trace Wood.		WET trace COPR	
				13		Black GRAVEL, some Silt, trace Slag and Cinder.		SATURATED	
					END OF BORING				

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 08/15/2011
Date Finish: 08/15/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107-F040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
F040-0.0		3.75		1		Black GRAVEL and cf SAND, some Silt.			
F040-3.5				2					
F040-5.5				3		0.1			
F040-6.0	4								
F040-6.5	5								
F040-7.5	6	3.25	0.1						
	7								
	8								
	9								
	10								
	11								
F040-11.5	12								
	13	2.5							

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107-F040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4	4				
F040-15.0				14	4				
				15	4	Gray silty CLAY.			
				16	4				
		5		17	5	Dark brown PEAT.			
				18	5				
F040-19.0			0.1	19	5	Gray SILT.			
				20	6	Gray silty CLAY.			
				21	6				
F040-22.5		5		22	6	Light brown c-f SAND, some Gravel.			
				23	7				
				24	7	END OF BORING			
				25					
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302



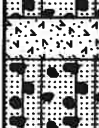


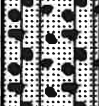

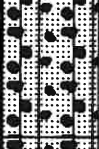

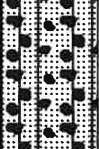
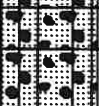
Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_F040E

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: RM

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			3.2			ASPHALT.			
				1		Grey of SAND, some Gravel and Silt, trace Asphalt.			
			15.5	2		Black of SAND and black ROOTING MATERIALS, some Gravel and Silt, trace Cinder.			
		58	12.4	3		Brown of SAND and GRAVEL, some Concrete and Silt, little Brick.			
				3		CONCRETE, some Plastic.			
			> 15,000	4		Brown of SAND, some Gravel and Silt, trace Brick and Cinder.			
				4		Brown of SAND, some Silt, trace Gravel and Cinder.			
			71.5	5		Brown of SAND, some Brick and Silt, little Gravel, trace Cinder.			
			0.7	5		Brown of SAND, some Silt, little Gravel, trace Brick, Wood and Cinder.	5% COPR		
				6			10% COPR		
			28.9	7		BRICK.			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302






Casing Diameter: NA
Date Start: 06/08/2011
Date Finish: 06/08/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_F040E

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: RM

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		44	154.6	7.5		Brown of SAND and GRAVEL, some Silt, little Brick, trace Cinder.			
			> 15,000	8.0		Red BRICK, some brown of Sand, little Silt, trace Cinder and Concrete.			
			958.6	9.5		Brown mf SAND, some Silt, trace Gravel.			
				10.0		SANDSTONE and brown mf SAND, some Silt.			
				10.0		END OF BORING			
				13.0					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/08/2011
Date Finish: 06/08/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_F040N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			> 15,000	1		Black of SAND and black ROOTING MATERIAL, some Silt and Gravel, trace Cinder.			
			> 15,000	2					
		42	> 15,000	3		Brown of SAND, some Gravel and Silt, trace Brick and Cinder.			
			36.7	4		GRAVEL and brown of SAND, some Silt, trace Brick and Cinder.			
			32.4	5		Red BRICK.			
				6		GRAVEL and CONCRETE, little Brick, trace brown of Sand and Cinder.			
				7		Brown of SAND, some Gravel and Silt, little Brick, trace Cinder.		10% COPR	
				8		Red BRICK.		trace COPR	
		41.5	0.0	9		Brown mf SAND, some Silt, trace Gravel and Concrete.			
				10		3	END OF BORING		
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/08/2011
Date Finish: 06/08/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F040S

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			24.8	1		Dark-brown of SAND and GRAVEL, little Asphalt and Silt, trace Cinder.			
		>	15,000	2		Dark-brown of SAND, little black Rooting Material, trace Plastic, Cinder, Brick.			
	53.5	54.6		3		Dark-brown of SAND, some Gravel and Silt, trace Concrete, Brick, Cinder and Metal.			
		6.7		4		CONCRETE.			
		1.2		5		Brown of SAND and GRAVEL, some Silt, trace Concrete.			
		>	15,000	6		Brown of SAND, some Gravel and Silt, trace Wood, Brick and Glass.			
		1,437		7		Red BRICK, trace Wood, Concrete.			
	37.5	15.4		8		Dark-brown SILT and BRICK, some Wood and Glass, trace Cinder.			
		21.4		9		Black of SAND, some Gravel and Silt, trace Seashell, Brick, Cinder and Concrete.			
		7.0		10		END OF BORING			
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/08/2011
Date Finish: 06/08/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F040W

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			0.5	0.5		Black of SAND and black ROOTING MATERIAL, some Silt and Gravel, trace Brick and Cinder.			
			21.6	1					
		47	21.3	2					
			0.0	3			Brown of SAND and GRAVEL, some Silt, little black Rooting Material, trace Cinder, Brick and Concrete.		
			0.0	4			CONCRETE.		
			0.0	5			Brown of SAND and BRICK, some Silt, trace Cinder.		
			0.0	6			Brown of SAND, some Silt, little Gravel, trace Brick, Cinder and Concrete.	trace COPR	
		41	0.0	7					
			1.5	8			Brown of SAND, some Gravel and Silt, little Brick, trace Concrete, Wood and Cinder.	10% COPR	
			83.5	9					
				10		END OF BORING	trace COPR		
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/07/2011
Date Finish: 06/07/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F041

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
				715.00		Black of SAND and GRAVEL, some Asphalt and Silt, trace Cinder.			
				1		715.00	Black of SAND and black ROOTING MATERIAL, some Gravel and Silt, trace Brick and Cinder.		
		52.5	4400	2		380.6	Brown of SAND, some Gravel and Silt, little Brick, trace Concrete, Cinders and Metal.		
				3		1			
				4					
				5					
				6		281.4	Brown of SAND, some Gravel and Silt, trace Brick and Cinder.	trace COPR	
				7		99.6	CONCRETE.		
		48.5	71.7	8		2	Brown mf SAND, some Silt, little Gravel.		
				9		47.1	CONCRETE and CINDER, some brown mf Sand, little Silt.		
				10		3	Brown mf SAND, some Silt, trace Brick and Gravel.		
				11	15.0	WOOD.			
						END OF BORING			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 6/8/2011
Date Finish: 6/8/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F041E

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			6.8	0		ASPHALT. Dark-brown of SAND and GRAVEL, some Silt.			
		49	0.0	1		ROOTING MATERIAL.			
				2					
				3			Brown of SAND, some Gravel and Silt, trace Brick, Cinder, Wood.		
				4			Red BRICK.		
				5			Brown of SAND and BRICK, some Gravel, little Silt, trace Glass, Cinder and Concrete.		
				6			Red BRICK.	trace COPR	
				7			Brown of SAND and red BRICK, some Silt, little Gravel, trace Cinder.		
		26	0.0	8			Brown of SAND, some Gravel and Silt, little Brick, trace Glass and Cinder.		
				9			Brown mf SAND, some Silt, trace Brick, Concrete.		
				10		GRAVEL and brown mf SAND, some Silt, trace Brick.			
				11		END OF BORING			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 08/15/2011
Date Finish: 08/15/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_F042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		50	0.0	1		ASPHALT. Black/brown of SAND and GRVAEL, some Silt, trace Glass.			
				2		Black ROOTING MATERIAL , some dark-brown of SAND and GRAVEL, trace Cinder.			
				3		Brown of SAND, some Silt and Gravel, trace Brick and Cinder.			
				4		CONCRETE.			
				5		Brown of SAND, some Silt, Gravel and Brick, trace Cinder and Metal.			
				6		Red BRICK.			
				7		Red BRICK , little brown of SAND and SILT, trace Cinder, Metal and Glass.			
		37	0.0	8		Brown mf SAND, some Silt, little Gravel, trace Cinder.			
				9		Brown mf SAND and SILT, some Gravel, little Cinder, trace Brick.			
				10		Dark-brown SILT, some Gravel, little brown mf Sand, trace Wood, Concrete, Brick, Cinder.		WET	
				11	Dark-brown SILT, some Gravel, little Organic Materials, trace Wood and Cinder.				
				12					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302


Casing Diameter: NA
Date Start: 08/15/2011
Date Finish: 08/15/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107-G032

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 9.0

Water Level: 6.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
G032-0.0		36	0.0	1		ASPHALT.			
				2		Red-brown f SAND, some Silt, trace Gravel.			
				3		Red-brown SILT, little f Sand, trace Gravel, trace gray Silt.			
G032-3.5				4					
				5		Yellow-green mf SAND, little Silt, some Gravel.			
				6		Brown SILT, some f Sand, trace Gravel, wet.			
G032-7.5		16	0.0	7					
				8					
				9		Black GRAVEL, ASH and CINDERS, little Sand, trace Silt.			
				10		End of Soil Boring @ 9.0 feet.			
				11					
				12					
				13					
				14					
				15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/24/2011
Date Finish: 1/24/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107-G034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)			
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation		
G034-0.0		34	0.0	1		Brown to black GRAVEL and cf SAND, little Silt, trace Concrete.						
G034-3.5				2					42	0.0	4	Brown SILT, some f Sand, trace Gravel.
G034-7.5				3							5	
G034-11.0	6	7	Black ASH, GRAVEL and CINDER, trace Sand, trace Glass.									
	8	8		Black ASH, GRAVEL and CINDER, trace Sand, trace Glass, wet.								
	9	9	Dark brown to dark gray SILT, some Clay lense, moist.									
	10	10										
	11	11										
	12	12										
	13	13										

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/24/2011
Date Finish: 1/24/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107-G034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4	4				
G034-15.0				15	5	Dark brown silty CLAY, stiff.			
		60		17					
				18		Gray soft SILT, some mf Sand, trace Gravel, moist.			
G034-19.0				19		Gray-brown stiff silty CLAY, little f Sand.			
				20	6	Red to brown mf SAND and GRAVEL, little Silt (till).			
		48		21		Red-brown GRAVEL, some cf Sand, little Silt (till).			
				22					
				23	7	Red-brown mf SAND, some Silt, little Gravel, trace c Sand.			
				24		End of Soil Boring @ 24.0 feet			
				25					
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/24/2011
Date Finish: 1/24/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_G035

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			21.5	1		Black of SAND and ROOFING MATERIAL, some Gravel and Silt, trace Brick and Cinder.			
			8.1	2		GRAVEL and grey of SAND, trace Concrete.			
	42.5	21.6	3	Brown of SAND, GRAVEL and SILT, little Brick, trace Wood, Cinder.					
			1.6	4				trace COPR	
			0.0	5		Brown mf SAND, some brown c Sand and Silt, trace Brick and Cinder.			
			2.8	6					
			120.2	7		Brown of SAND, some Silt, little Gravel, trace Brick.			
	53.5	53.3	8	Brown mf SAND, some Silt, trace Gravel.					
			6.8	9					
			1.9	10					
				11		END OF BORING			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/07/2011
Date Finish: 06/07/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107-G036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 14.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
G036-0.0		36	0.0	1		Black ASH and CINDER, some Sand, trace Silt, trace Glass, trace Plastic.			
				2					
				3		Brown f SAND, some Silt, little Gravel, trace Silt.			
	4								
	5								
G036-5.0				5		Brown to red-brown Gravel, little Brick, little Sand, trace Silt.			
	6			6		Brown mf SAND, some Gravel, little Silt.			
G036-6.0				7		Red-brown f SAND, some Silt, little Gravel.			
	8			8		Red-brown SILT, little f Sand, trace Gravel.			
	9			9		CONCRETE.			
	10			10		Red-brown to brown SILT, little f Sand, trace Gravel, moist.			
G036-7.0	36	0.0		11					
			12						
			13						
		28	0.0						

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302	Casing Diameter: NA Date Start: 1/25/2011 Date Finish: 1/25/2011 Checked By: GG Sheet 1 of 2
---	--	--

Soil Boring/Well Details: 107-G036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 14.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
G036-15.0			0.2	4		Black ASH, CINDER and GRAVEL, little Sand, trace Silt, wet.			
			0.4	14		WOOD, wet.			
			0.3	15		WOOD.			
G036-19.0		30	0.3	16		Gray-brown silty CLAY, trace f Sand.			
			0.8	17					
			0.3	18					
				19					
				20					
G036-23.0		48		6		Green-gray clayey SILT, trace f Sand, trace Gravel.			
				21					
				22					
G036-23.0				7		Brown-gray GRAVEL, little f Sand, trace Silt, wet.			
				23		Brown f SAND, some Silt, trace Clay, trace Gravel, wet.			
				24		End of Soil Boring @ 24.0 feet			
				25					
				26					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 1/25/2011
 Date Finish: 1/25/2011
 Checked By: GG
 Sheet: 2 of 2

Soil Boring/Well Details: 107_G036E

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
				1		Black of SAND and black ROOTING MATERIAL, some Gravel and Silt, trace Cinder.			
		46	> 15,000	2		Dark-brown of SAND and GRAVEL, some Silt, trace Cinder, Brick and Seashells.			
				3		Red BRICK.			
				4		Dark-brown of SAND and GRAVEL, some Silt, trace Cinder, Brick and Seashells.	10% COPR		
			212.6	5		Light-brown of SAND and GRAVEL, some Concrete and Silt, trace Brick and Cinder.	10% COPR		
			1,343	6		CONCRETE and brown of SAND, some Gravel and Silt, trace Wood and Brick.			
			181.5	7		Brown of SAND, some Gravel and Silt, trace Wood, Brick and Concrete.			
	45.5	116.7		8		Brown mf SAND, some Silt, little Gravel, trace Brick.			
			>1,000	9		CONCRETE.			
			>500	10		Brown mf SAND, some Silt, trace Gravel.			
				11		END OF BORING			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/07/2011
Date Finish: 06/07/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_G036S

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		44	27.6	1		Black of SAND and black ROOTING MATERIAL, some Silt and Gravel, trace Brick, Cinder.			
			25.4	2		Brown of SAND, some Gravel and Silt, trace Brick, Glass, Cinder and Concrete.			
			2.3	3					
			1.5	4		Dark-brown of SAND, some Gravel and Silt, trace Brick and Cinder.	10% COPR		
			14.0	5		Red BRICK, some brown of Sand, little Silt and Concrete.	10% COPR		
			5.5	6		Brown of SAND and GRAVEL, some Silt, trace Brick and Cinder.			
		51	11.1	7		Brown of SAND, some brown of Sand and Silt, trace Brick, Concrete and Gravel.			
			4.8	8					
			7.3	9					
			5.4	10		Brown of SAND and CONCRETE, some Silt.			
				11		END OF BORING			

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302	Casing Diameter: NA Date Start: 6/7/2011 Date Finish: 6/7/2011 Checked By: GG Sheet 1 of 1
---	--	--

Soil Boring/Well Details: 107_G036W

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			48.8	1		Black cf SAND and black ROOT MATERIAL, some Silt and Gravel, trace Brick, Cinder and Wood.			
			5.8	2		Gray/brown cf SAND and GRAVEL, some Silt, trace Brick and Seashells.			
	47		4.9	3		Brown cf SAND and BRICK, some Silt, trace Cinder.			
			3.5	4				trace COPR	
			44.9	5		Brown cf SAND and CONCRETE, some Silt, trace Brick, Cinder.			
				6		Brown mf SAND and CONCRETE, some Silt and brown c Sand.			
				7		Brown mf SAND, some Silt and brown c Sand, little Concrete.			
	50		0.0	8		Brown mf SAND, some brown c Sand and Silt, little Clay, trace Gravel and Wood.			
				9					
				10		3	END OF BORING		
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 6/7/2011
Date Finish: 6/7/2011
Checked By: GG
Sheet 1 of 1

Soil Boring/Well Details: 107_G037

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			244.6	1		Black of SAND and black ROOTING, some Silt and Gravel, trace Wood and Cinder.			
			267.7	2		CONCRETE.			
	45	185.3		3		Dark-brown of SAND, some Gravel and Silt, trace Cinder and Brick.			
			17.5	4		10% COPR			
			62.7	5		Light-brown of SAND, some Concrete and Silt, little Gravel, trace Brick, Cinder and Glass.			
			5.2	6		30% COPR			
			1.3	7		Brown mf SAND, some brown c Sand and Silt, little Gravel, trace Concrete, Brick and Cinder.			
	45	1.3		8		Brown mf SAND and WOOD, some c Sand and Silt, little Gravel, trace Brick.			
			5.8	9		Brown mf SAND, some Silt, trace Gravel, Brick and Wood.			
			2.7	10		3	END OF BORING		
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 6/7/2011
Date Finish: 6/7/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_G037N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 7.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		50/84		1		ASPHALT. Black ROOTING MATERIAL.			
				2		Brown cf SAND, some Silt and Gravel, little Brick, trace Cinder.			
				3					
				4			trace COPR		
				5		Red BRICK. Brown cf SAND and GRAVEL, some Silt, trace Brick and Cinder.	20% COPR		
				6		Brown mf SAND, some Silt, little Gravel, trace Brick and Cinder.	trace COPR		
				7		END OF BORING			
				8					
				9					
				10					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 08/16/2011
Date Finish: 08/16/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_G037S

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 7.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		48/84	0.0	0	●●●●●	ASPHALT. ROOTING MATERIAL.			
				1	●●●●●	Brown of SAND and GRAVEL, some Silt, trace Brick, Concrete, Glass, Cinder, Metal and Wood.			
				2	●●●●●				
				3	●●●●●				
				4	●●●●●				
				5	●●●●●		trace COPR		
				6	●●●●●	Brown mf SAND, some Silt, trace Brick and Metal.			
				7	●●●●●	END OF BORING			
				8	●●●●●				
				9	●●●●●				
				10	●●●●●				

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302	Casing Diameter: NA Date Start: 8/16/2011 Date Finish: 8/16/2011 Checked By: GG Sheet 1 of 1
---	--	--

Soil Boring/Well Details: 107_G038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 16.0

Water Level: 14.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
G038-0.0	38	38		1		Black ASH, little Gravel, little Sand, trace Silt.		70 % COPR observed	
				2		Red-brown GRAVEL, little Sand, trace Silt.			
				3		Gray f SAND and red BRICK, little Silt, little Gravel, trace Wood.			
				4					
G038-4.5				5		Gray GRAVEL and CONCRETE, some Sand, little Ash and Cinder, trace Silt, trace Brick.			
G038-6.0				6		Brown of SAND and GRAVEL, trace Silt.			
				7					
G038-7.0				8		Red BRICK.			
				9		Brown SILT, little f Sand, trace gray Silt.			
				10		Brown SILT, little f Sand, trace Gravel, moist.			
	11								
	12						First attempt refused		

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302	Casing Diameter: NA Date Start: Date Finish: Checked By: GG Sheet 1 of 2
---	--	--

Soil Boring/Well Details: 107_G038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 16.0

Water Level: 14.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		24		13					
				14		Black of SAND, some Ash and Cinder, trace Silt, trace Clay, trace Gravel, wet.			
				15		WOOD.			
				16		End of Soil Boring @ 16.0 feet.			
				17					
				18					
				19					
				20					
				21					
				22					
				23					
				24					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start:
Date Finish:
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107-G040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth:

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Jason Villacis

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
G040-0.0				1		Black ASH like CINDER, m-c Sand, Roofing material, Rubber.			
			1.1	2		Gray to brown m-c GRAVEL, Sand with Brick.			
			1.4	3					
			0.3	3					
			0.0	4					
G040-3.5			0.2	4					
				5			BRICK.		
G040-4.5				5			COPR MATERIAL.		
G040-5.0				6					
				7			Red-brown c-f SAND with Gravel.		
				8			Red-brown SILT.		
				9					
				10			Red-brown SILT, little c-f Sand, moist.		
				11					
G040-11.5				12					
				13		Black ASH and CINDER, Brick, wet.			
				14					
G040-14.5				15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/28/2011
Date Finish: 1/28/2011
Checked By: GG
Sheet 1 of 1

Soil Boring/Well Details: 107-G042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Jason Villacis

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)						
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation					
G042-0.0		12	0.0	1		Black to brown SAND, some Gravel, Wood, Rubber.									
				2		1					3		Red BRICK.		
				4							2			5	Brown SILT with c-f Sand.
				5										6	Tan fm SAND, little Gravel.
G042-3.5						48				0.0	7	3	CONCRETE.		
				8							8		Red-brown SILT, little cm Sand, little Clay.		
				9							9		Red to brown silty SAND.		
				10							10		Clayey SILT.		
				11		24				0.0	12	4	Gray to brown clayey SILT, moist.		
				13							FILL/GRAVEL.				
				14											
G042-7.5											15		PEAT.		

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/28/2011
Date Finish: 1/28/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107-G042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: Jason Villacis

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				Formation
G042-18.0		60	0.0	16		Brown SAND, little Silt.				
				16-17						CLAY with cm Sand.
				17						Brown clayey SILT.
				18		Brown CLAY, little Silt.				
				19		Green-gray CLAY.				
				20		Green CLAY, little Silt.				
				21		Yellow cm SAND, little Silt, wet.				
				22		Yellow gravelly SAND.				
				23						Red c SAND with Clay.
				24						Red silty f-m SAND.
G042-22.0		48	0.0	25						
				26						
				27						
				28						
				29						
				30						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/28/2011
Date Finish: 1/28/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107-G044

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 9.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
G044-0.0				1		Black-brown c-f SAND with Ash and Cinders, Rubber material.			
		3.75	2.5	2					
				3		1	BRICK.		
G044-3.5				4			Brown c-f SAND with Gravel, Wood and Brick.		
				5					
				6			Brown silty SAND, dry to moist.		
		3.0		7		2			
				8					
G044-7.5				9			Black-brown SILT, little Sand, wet.		
				10		3	NO RECOVERY.		
				11					
		0.0		12					
				13	4				
				14					
				15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/28/2011
Date Finish: 1/28/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107-G044

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 9.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE				Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description	Formation			
G044-15.0		2.0		16		Light brown silty CLAY with Sand.				
				17						5
				18						
G044-19.0				19		Orange-brown SAND, some Silt, trace Clay, wet.				
	20	6								
	21									
G044-23.0		3.0		22		Orange-brown SAND, some Silt, trace Clay with Gravel, wet.				
	23			7						
	24									
				25						
				26						
				27						
				28						
				29						
				30						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

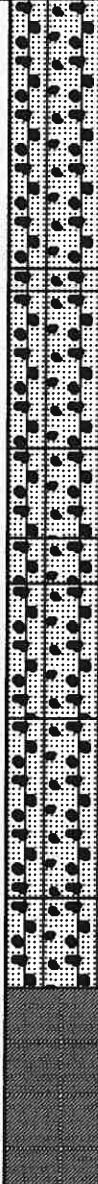
Casing Diameter: NA
Date Start: 1/28/2011
Date Finish: 1/28/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107-G046

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
G046-0.0	56	24		1		Black of SAND and GRAVEL, some Silt and Cinder, little Rubber, trace Glass and Wood.			
				2					
				3		1			Red BRICK.
G046-3.5				4					Brown of SAND and GRAVEL, some Silt.
G046-4.5				5					GRAVEL, little brown of Sand and Silt, trace Brick and Cinder.
G046-5.0				6					CONCRETE.
G046-5.5				7		2			Red BRICK, little Gravel and brown of Sand, trace Silt.
				8					Black GRAVEL and SILT, little Cinder, brown of Sand, trace Brick, moist.
				9					
G046-10.0				10		3			Black Gravel, some Cinder, little Silt, wet.
	11		Brown SILT, moist.						
	12								
	13								

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 107-G046

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4					
G046-14.0				14					
				15		Brown SILT, wet.			
		48		16		Brown silty CLAY (stiff), moist.			
				5					
G046-18.0				18		Red/brown/gray mottled silty CLAY, some Gravel.			
				19					
				6					
				20		Red/brown of SAND and GRAVEL, some Silt, saturated.			
		30		21					
				22					
				7					
				23					
				24					
				25		End of Soil Boring @ 25.0 feet.			
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_H036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 10.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		36.5		1		Black of SAND and ROOTS, some Silt and Gravel, trace Cinder.			
				2					
				3		1	Brown of SAND, some Gravel and Silt, little Concrete, trace Brick, Cinder and Roots.		
				4			CONCRETE.		
				5			Brown of SAND, some Silt, little Gravel, trace Brick and Concrete.		
				6			Black mf SAND, some Silt, little Gravel and brown c Sand, trace Concrete and Brick.		
				7		2			
		36.5		8			Brown mf SAND, some Gravel and Silt, little Calcite.		
				9			Brown mf SAND, some Silt, trace Gravel.		
				10		3	END OF BORING		
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_H037

Project No: 10236-1

Project: Block 107

Client:

Location:

Northing: 0

Easting: 0

Elevation: 0

Total Depth: 7.0

Water Level:

Sampling Method: Geoprobe

Sample Interval: See Log

Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		56/84	0.0	0	[Symbol: Dotted pattern]	ASPHALT. ROOTING MATERIAL.			
				1	[Symbol: Dotted pattern]	Brown of SAND and GRAVEL, some Silt, trace Brick, Cinder, Wood and Concrete.			
				2	[Symbol: Dotted pattern]				
				3	[Symbol: Dotted pattern]				
				4	[Symbol: Dotted pattern]				
				5	[Symbol: Dotted pattern]	Red BRICK and brown of SAND, some Silt, trace Wood, Concrete and Cinder.		trace COPR	
				6	[Symbol: Dotted pattern]	Brown of SAND, some Gravel and Silt, little Brick, trace Concrete, Cinder and Wood.			
				7	[Symbol: Dotted pattern]	WOOD. Brown of SAND, some Silt, trace Gravel.			
				8	[Symbol: Dotted pattern]	END OF BORING			

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302


Casing Diameter: NA
 Date Start: 08/16/2011
 Date Finish: 08/16/2011
 Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_H038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		47		1		Black of SAND and black ROOFING MATERIAL, some Silt and Gravel, trace Cinder.			
				2					
				3			Dark-brown of SAND, some Gravel and Silt, little Concrete, trace Brick and Cinder.		
				4			CONCRETE.		
				5			Brown of SAND and GRAVEL, some Silt, little Concrete, trace Brick.		
				6			Dark-brown of SAND and GRAVEL, some Brick and Silt, trace Wood.		
		34		7			Brown of SAND and GRAVEL, some Brick and Silt.		
				8			Brown mf SAND, some Silt, trace Gravel.		
				9					
				10			Brown mf SAND, some Silt, trace Gravel and Brick.		
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_H038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		27		12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					
				21					
				22					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302



Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_I032

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 20.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1032-0.0		37	0.0	1		Gray/black of SAND, little Gravel, trace Silt.			
				2		Red-brown mf SAND and GRAVEL, some Silt.			
				3					
1032-3.5	4		Refusal in first attempt						
	5								
	6								
	7		MOIST						
1032-7.5	8	24	0.0	Brown to black ASH, GRAVEL and CINDER, little Sand and Silt, trace Slag.					
	9								
	10								
1032-10.0				11		Gray/brown silty CLAY, trace Sand, trace Gravel.			
	12								
	13	50	0.0						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/24/2011
Date Finish: 1/24/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 107_1032

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 20.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4					
				14		Brown f SAND, some Silt, trace Gravel.	MOIST		
1032-14.5				15		Red-brown mf SAND and SILT, some f Gravel.			
		52	0.0	16					
				5		Red-brown GRAVEL, some mf Sand, little Silt.			
				17		Red-brown mf SAND and GRAVEL, some Silt.	WET		
1032-18.5				18					
				6					
		14	0.0	22					
				7					
				23					
				24		END OF BORING			
				25					
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/24/2011
Date Finish: 1/24/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_1034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 5.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)			
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation		
1034-0.0	36			1		Black of SAND, some Ash, Cinder and Gravel, little Silt, trace Concrete, trace Glass.						
				2					Brown/gray mf SAND, some Concrete, little Silt, trace Brick.			
				3						Red-brown SILT, little f Sand.		
1034-3.5	8			4		Brown SILT, little f Sand.				WET		
				5					PEAT, little Sand, trace Gravel.			
				6							Black ASH and CINDER, little Sand, trace Silt.	
1034-7.5				7								PEAT, little Sand, trace Gravel.
				8								
	9		PEAT, little Sand, trace Gravel.									
	10			Black ASH and CINDER, little Sand, trace Silt.								
1034-11.5	28				11				PEAT, little Sand, trace Gravel.	WET		
			12						Black ASH and CINDER, little Sand, trace Silt.			
			13								PEAT, little Sand, trace Gravel.	

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 1/24/2011
 Date Finish: 1/24/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_I034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 5.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				Formation
1034-15.5		28		4		Gray/brown silty CLAY, trace Sand, trace Gravel, gray/brown clayey Silt, trace Gravel, trace Sand.		MOIST		
				14				Green-gray SILT, little f Sand, trace Clay.		WET
				15						
				16						NO RECOVERY
				17						
				18						
				19						
				20						
				21						
				22						
23										
24			END OF BORING							
25										
26										

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/24/2011
Date Finish: 1/24/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_1036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 12.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1036-0.0		40	0.0	1		Black ASH and CINDER, little Sand and Silt, trace Wood, trace Plastic.			
				2					
				3		1			
1036-3.5				4		Red BRICK.			
				5		Gray/brown GRAVEL, little of Sand, little Brick, trace Concrete, trace Silt.			
				6		Brown f SAND, little Silt, trace Gravel.			
				7					
				8					
1036-7.5	45	0.0		9		Brown Silt, little f Sand, trace Gravel, trace gray Clay lenses.			
				10		Brown f SAND and SILT, some Gravel.			
				11					
				12					
1036-11.5				13					
	16	0.0							

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302	Casing Diameter: NA Date Start: 1/25/2011 Date Finish: 1/25/2011 Checked By: GG Sheet 1 of 2
---	--	--

Soil Boring/Well Details: 107_1036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 12.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE				Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description	Formation			
				4		Black ASH and CINDER, some Sand, trace Silt, trace Gravel.		WET		
				14						
1036-15.5				15						
				5		Gray/brown SILT, little f Sand, trace Clay.		MOIST		
			0.0	16						
				5		Gray silty CLAY, trace f Sand.		MOIST		
				17						
				6		Brown f SAND, some Silt, trace Gravel, trace Clay.		WET		
1036-19.5				18						
				6		Red-brown mf SAND, some Gravel, little Silt (till), little yellow-brown Sand and Gravel.				
			0.0	19						
				20						
				7						
1036-23.5				21						
						END OF BORING				
				24						
				25						
				26						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/25/2011
Date Finish: 1/25/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_I037

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		48.5		1		Black of SAND and ROOTING MATERIAL, some Silt and Gravel, trace Cinder.			
				2					
				3			Brown of SAND and GRAVEL, some Silt, trace Cinder and Brick.		
				4					
				5			WOOD.		
				6			Brown of SAND and GRAVEL, some Silt, little Brick, trace Cinder and Wood.		
				7			BRICK and CONCRETE.		
		48		8			Brown mf SAND, some Silt, little brown Gravel, trace Brick.		
				9					
				10			Brown mf SAND, some Silt, trace Wood and Gravel.		

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 6/6/2011
Date Finish: 6/6/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_I037

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		39		11		Brown mf SAND, some Silt, trace Gravel.			
				12					
				13		4			
				14					
				15			Black SILT, black Gravel, some black cf Sand, trace Cinder, Slag and organic Mat.		
				16			Dark brown cf SAND, some Gravel and Silt, trace Cinder, Seashell and Slag.		
				17		END OF BORING			
				18					
				19					
				20	6				

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 6/6/2011
Date Finish: 6/6/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_I038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 12.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)		
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation	
1036-0.0	48			1		Black ASH, little Sand, little Gravel, trace Silt.					
				2							
				3		1			Gray/brown SILT and SAND, some Gravel, trace Brick, trace Concrete.		
1038-3.5				4							
				5					Red/black/gray CONCRETE, little Sand, little Silt.		
				6							
1038-6.5	44			7					Red-brown mf SAND and GRAVEL, trace Silt.	80 % COPR	
1038-7.0				8					CONCRETE.		
1038-8.0				9					Red-brown SILT, trace f Sand.	MOIST	
				10		3			Red-brown CONCRETE, some Sand, trace Silt.		
1038-10.0				11					Crushed CONCRETE.		
1038-11.0				12					Red-brown f SAND and SILT.		
1036-12.0	40			13							

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/26/2011
Date Finish: 1/26/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_I038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 12.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4					
				14					
				15			FILL (Ash, Cinder, Slag, Sand).		
				16					
				5					
1038-17.0				17					
		40		18			Dark grey/brown silty CLAY, trace f Sand, trace Gravel.		WET
				19					
				6					
				20					
1036-21.0				21			Dark grey silty CLAY, some Gravel, trace Sand.		
				22			Red-brown f SAND, some Silt, trace Gravel.		
		48		23			Red-brown cf SAND, little Silt.		
				7					
				24			END OF BORING		
				25					
1038-25.0				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/26/2011
Date Finish: 1/26/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_I038E

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level: 8.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		46	237	1		Black of SAND, some Gravel and Silt, little Roofing Material, trace Wood, Cinder, Brick.			
			2749						
			249						
			226						
			49.4						
			34.6						
			41.4						
			33.7						
			25.0						
			98.0						
		29	3.1	2		Light-brown of SAND and GRAVEL, some Silt, trace Roofing material and Concrete.			
			4.9						
			46.3						
			32.3						
			17.3						
			12.6						
			9.5						
			6.0						
			6.3						
			4.8						
		3	3.5	3		Brown mf SAND, some Gravel and Silt, trace Brick, Rubber Materials.			
			9.0						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 107_I038E

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level: 8.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		37		4.3					
				14.9					
				12					
				10.5					
				11.8					
				13					
				41.9					
				19.4			Dark-brown mf SAND, some Silt, trace Wood.		
				15.5			Brown/black SILT, trace Wood.		
				19.8			Black GRAVEL, some Cinder, Slag, Ash.		
				15			END OF BORING		
				16					
				5					
				17					
				18					
				19					
				6					
				20					
				21					
				22					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_I038N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		40	0.0			Black of SAND and ROOTING MATERIALS, some Silt and Gravel, trace Cinder, Foam Insulation, red Plastic.			
			3.6						
			2.4			1			
			0.9						
			3.4			2			
			3.5					Dark-brown of SAND, some Gravel and Silt, trace Wood, Brick and Cinder.	
			2.3			1			
			30.7			4			
			0.0						
			5.8			5			
			2.5						
			9.2	6					
			8.5						
			12.2	2		Brown of SAND, some Gravel and Silt, trace Brick, Concrete, trace Metal.			
		31	16.9	7					
			26.9	8					
			26.2	8					
			7.4	9					
			5.1						
			4.1	3					
			17.6	10		Brown of SAND, some Silt, trace Metal and Gravel.			
			3.5	11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_I038N

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		43	79.2	12					
			52.9	13					
			27.5	14					
			9.6	15					
			6.9	16					
			65.8	17					
			21.7	18					
			63.8	19					
				20					
				21					
				22					
				4			Black SILT, little Organic Material and black of Sand, trace Gravel, Cinder and Slag. END OF BORING		

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_I038S

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		45.5		1		Black of SAND and black ROOFING MATERIAL, some Silt, trace Glass, Cinder and Porcelain.			
				2					
				3		1	Brown of SAND and GRAVEL, some Silt, little Concrete, trace Brick, Glass, Cinder and Porcelain.		
				4					
				5					
				6					
				7		2	Brown of SAND, some Silt and Gravel, trace Wood, Concrete, Brick.		
		35.5		8					
				9			Brown mf SAND, some Silt, trace Gravel and Metal.		
				10		3	Brown of SAND, some Gravel and Silt, little Wood, trace Concrete.		
				11					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_I038S

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		23.5		12		4			
				13		4	Brown mf SAND, some Silt, trace Gravel and Wood.		
				14					
				15			Black SILT and black cf SAND, little Gravel, trace Wood and Slag.		
				16			END OF BORING		
				17					
				18					
				19					
				20					
				21					
				22					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_1038W

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
			1346	1		Black of SAND and black ROOFING MATERIAL, some Silt and Gravel, trace Brick and Cinder.			
		56	0.0	2		Dark-brown of SAND, some Silt and Gravel, trace Brick, Cinder and Wood.			
				3					
				4					
				5					
				6		BRICK and CONCRETE.			
				7		Dark-brown of SAND, some Silt and Brick.			
				8		Brown of SAND, some Silt and Gravel, trace Brick.			
		39.5	0.0	9		Brown mf SAND, some Silt, trace Gravel.			
				10		CONCRETE.			
				11		Brown mf SAND, some Silt, trace Gravel.			
						Brown mf SAND, some Silt, trace Calcite and Gravel.			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

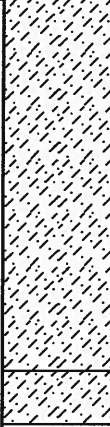
Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_I038W

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		33.5	0.0	12					
				13		4			
				14					
				15			Black SILT and of SAND, some Gravel, trace Slag, Cinder and Organic Material.		
				16			END OF BORING		
				17		5			
				18					
				19					
				20	6				
				21					
				22					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_1039

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level: 8.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		43	7.7 >9999 990 251 77.4 35.4	1		Black of SAND, some Gravel and Silt, little Rooting Materials, trace Brick, Concrete, Cinder.			
			98.6 41.1 27.4 9.8	2		Brown of SAND, some Gravel and Silt, trace Brick, Concrete and Glass, trace Cinder.			
			7.5 30.1 35.7	3		Brown mf SAND, some Silt, little Gravel and brown c Sand, trace Brick.			
		40	24.9 27.1	4					
			5.6	5		CONCRETE.			
			8.1 22.2	6		Brown mf SAND, some Silt, little Gravel.			
			8.3	7					
			7.1	8					
				9					
				10					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 6/6/2011
Date Finish: 6/6/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_I039

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level: 8.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				
			5.1			Black of SAND, some Silt, little Gravel, trace Brick, Cinder and Organic Materials.				
			9.9							
			37.9							
			124					Dark brown of SAND and GRAVEL, some Silt, trace Brick and Concrete.		
		30	52.1							
			22.4					Brown of SAND and GRAVEL, some Silt, trace Brick and Concrete.		
			41.7			4				
			6.7							
			26.8							
			18.5							
						15		END OF BORING		
						16				
						17				
						18				
						19				
				20						

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 6/6/2011
 Date Finish: 6/6/2011
 Checked By: GG
 Sheet: 2 of 2

Soil Boring/Well Details: 107_1040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 12.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1040-0.0	48			1		Black ASH, little-some Sand, trace Silt, trace Brick, trace Glass.			
				2					
				3					
				4					
1040-3.5	44			5		CONCRETE.			
				6					
				7					
				8					
				9					
				10					
1040-7.5	54			11		Red-brown SILT, little f Sand, trace Gravel, trace Wood.			
				12					
				13					
1040-11.5				14		Gray to black SILT, little f Sand, trace Gravel.			

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302




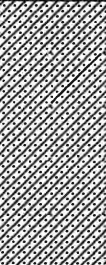
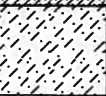
Casing Diameter: NA
 Date Start: 1/26/2011
 Date Finish: 1/26/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_I040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 12.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4			WET		
				14		Gray-brown SILT, little Clay, little Peat, trace f Sand.			
				15		HISTORIC FILL			
I040-15.5				16					
				5			MOIST		
I040-16.5		40		17		Gray-brown clayey SILT, little f Sand.			
				18					
				6			WET		
				19		Brown PEAT, some clayey Silt.			
I040-20.5				20		Dark gray silty CLAY, little Peat, trace f Sand.			
				7			WET		
		48		21					
				22					
				7			WET		
				23		Red-brown mf SAND, little Silt.			
I040-24.5				24		END OF BORING			
				25					
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/26/2011
Date Finish: 1/26/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_1042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JSV

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)					
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation				
1042-0.0	48	48	0.4	0.4	1		Black GRAVEL, CINDERS, cf SAND.							
			0.1	1										
			0.4	2										
			1.8	3										
1042-3.5			0.4	4						2		Pale brown fm SAND, little Silt. Brown cf SAND, little Brick. Pale brown f SAND, some Silt. WOOD. Red BRICK mixed with brown m Sand and Gravel. Red-brown silty mf SAND, trace Clay.		
			0.2	5										
			0.0	6										
			0.0	7										
1042-7.5			0.0	8										
			0.0	9										
	0.0	10												
	0.0	11												
1042-11.5	0.0	12	3		Red-brown CLAY, little Silt, little f Sand.									
	0.0	13												

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 1/28/2011
 Date Finish: 1/28/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_1042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JSV

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4					
				14		Fill black GRAVEL.			MOIST
				15		Grey SAND mixed with Gravel.			
				16		Brown CLAY.			
1042-14.5		60	0.0	5		Pale brown CLAY, some Silt, f Sand.			WET
				17		Pale brown CLAY.			
1042-18.5				18					
				19					
				20		Pale green CLAY.			
				21					
				22					
1042-22.5		36	0.0	6		Yellow SILT with f Sand.			
				23		Brown clayey SILT.			WET
				24		END OF BORING			
				25		Red c SAND, trace Clay.			
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302


Casing Diameter: NA
Date Start: 1/28/2011
Date Finish: 1/28/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_1044

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 11.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)				
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation			
1044-0.0	44	44	0.0	1		Black of SAND and GRAVEL, some Silt, some Cinder, little Rubber, trace Glass and Wood.							
				2									
				3									
1044-3.5				4						1.5		CONCRETE and GRAVEL.	
				5								Brown of SAND, some Silt and Glass, little Gravel, trace Brick and Cinder.	
				6								WOOD.	
				7								CONCRETE.	
				8								Red/brown silty SAND, trace Gravel.	
1044-7.5				9						0.0			
				10								Red/brown silty CLAY, some of Sand.	MOIST
				11									
1044-11.5				12								Black GRAVEL and CINDER, some Silt and black of Sand, trace Brick.	WET
				13									

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 1/31/2011
 Date Finish: 1/31/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_1044

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 11.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4	■				
1044-13.5				14	▨	Brown SILT.	MOIST		
				15	▨				
				16	▨	Brown silty CLAY.			
		60	0.0	5	▨				
				17	▨	Gray/brown cilty CLAY.			
1044-17.5				18	▨				
				19	▨				
				20	6				
				21	▨	Red-brown of SAND and SILT, some Gravel.	WET		
				22	▨				
1044-21.5				23	7	Red-brown of SAND and GRAVEL, some Silt.			
		60	0.0	24	▨	END OF BORING			
				25					
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

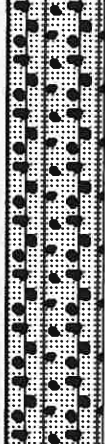
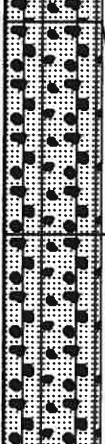
Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_1046

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 20.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
1046-0.0	57		0.0	1		Black of SAND and GRAVEL, some Silt, little Cinder and Rubber, trace Glass and Brick.			
				2					
				3					
				4					
1046-3.5				4		CONCRETE.			
	33		0.0	5		Brown of SAND and BRICK, some Silt and Gravel.			
				6		Brown of SAND and GRAVEL, some Brick, some Silt, trace Wood, Cinders and Glass.			
				7					
				8		Brown/red silty SAND and GRAVEL, some Clay, trace Cinders.			
				9					
1046-7.5				10		Black of SAND and GRAVEL, some Silt, trace Wood and Cinders.			
				11					

MOIST

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 1/31/2011
 Date Finish: 1/31/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_1046

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 20.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
1046-11.5		60	0.0	12		Black of SAND and GRAVEL, some Silt and Cinders.	SATURATED		
				13		Black/brown SILT and GRAVEL.			
				13 - 4		Brown SILT.			
				14			Brown SILT, little Gravel.	MOIST	
1046-15.5				15					
				16					
				17					
		60	0.0	18			Brown SILT/Meadow Met (stiff).		
				19					
1046-19.5				20			Orange/brown/grey mottled silty CLAY, little Gravel.	MOIST	
				21		Red mf SAND and SILT.			
				22			WET		

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_J038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Eastng: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)		
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description					
		47	0.0	1	[Symbol: Dotted pattern]	Black of SAND and black ROOFING MATERIAL, some Gravel and Silt, trace Cinder and Brick.					
			26.0								
			20.0								
			374								
			371								
			155								
			87.8				1	[Symbol: Dotted pattern]	Brown of SAND, some Gravel and Silt, trace Cinder, Brick and Concrete.		
			171								
			104				4	[Symbol: Horizontal lines]	CONCRETE.		
			604				5	[Symbol: Dotted pattern]	Brown of SAND and GRAVEL, some Silt, little Concrete, trace Brick.		
		74.8									
		61.7		6	[Symbol: Dotted pattern]	ASPHALT and CINDER.					
		505		2	[Symbol: Dotted pattern]	Brown of SAND and GRAVEL, some Silt, trace Cinder, Brick and Concrete.					
		111									
		17.0		7	[Symbol: Dotted pattern]	Brown mf SAND, some Silt and brown c Sand, trace Brick and Cinder.					
		9.4									
		23.5		8	[Symbol: Dotted pattern]	Brown mf SAND, some Silt, trace Cinder, Brick and Gravel.					
		24.2									
		17.6		3	[Symbol: Dotted pattern]						
		37.6									
		53.2		11	[Symbol: Dotted pattern]						

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 06/06/2011
 Date Finish: 06/06/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_J038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 15.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		35	40.5	12		Brown mf SAND, some Silt and Gravel.			
			11.5	12					
			36.2	13		Brown mf SAND and GRAVEL, trace Cinder.			
			79.8	13					
			39.4	14		Black SILT and ORGANIC MATERIAL, some black of Sand and Gravel, trace Cinder and Slag.			
			52.6	14					
			16.9	15					
			9.6	15		END OF BORING			
				16					
				17					
				18					
				19					
				20					
				21					
				22					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 06/06/2011
Date Finish: 06/06/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107-K032

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
K032-0.0		30	0.0	1		CONCRETE.			
				1		Gray GRAVEL, some of Sand, trace Silt.			
				2		Brown mf SAND, some Silt, little Gravel, trace Concrete.			
				3		Brown cf SAND, some Silt, little Gravel, trace Concrete.			
K032-3.5				4					
				5		Brown GRAVEL, some Silt, little mf Sand.			
				6					
				7					
K032-7.5				8		Brown SILT, little f Sand, trace Gravel.			
				9					
				10		Black mf SAND, little Silt, little Ash, Cinder and Gravel.			
K032-10.5				11		Black ASH, CINDERS and GRAVEL, some Sand, trace Silt, trace Glass, trace Slag.			
				12		Gray/brown silty CLAY, trace f Sand.			
	13								

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302	Casing Diameter: NA Date Start: 1/25/2011 Date Finish: 1/25/2011 Checked By: GG Sheet 1 of 2
---	--	--

Soil Boring/Well Details: 107-K032

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4					
K032-14.5				14					
				15		Gray/brown f SAND, some clayey Silt, trace Gravel, trace red-brown Sand.	WET		
				16		Gray/brown f SAND and SILT, trace Gravel.			
		44	0.0	17		Red-brown SILT, some f Sand, trace Gravel.			
				18		Red-brown SILT, some f Sand, some Gravel.	MOIST		
K032-18.5				19					
				20		Red-brown sandy SILT and GRAVEL.			
		44	0.0	21		Red-brown SILT and SAND, some Gravel.	MOIST TO WET		
				22					
				23					
				24		END OF BORING.			
				25					
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/25/2011
Date Finish: 1/25/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_TMW_K034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 11.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		40	0.0	1		Black of SAND, some Ash, little Gravel, trace Silt.			
				2		Gray GRAVEL, little Sand, trace Silt (some green/yellow staining in Gravel).			
				3		Gray/brown mf SAND, some Gravel, little Silt.			
				4		Red-brown SILT, little Gravel, trace Sand, trace brown Silt.			
				5		Red-brown GRAVEL, little Sand and Silt.			
				6		Brown clayey SILT, little f Sand, trace Gravel, trace Coal.			
		27	0.0	7					
				8					
				9					
				10		Black f SAND and SILT, trace Gravel.			
				11					
				12		Black ASH and CINDER, little Sand, trace Silt, trace Glass.			
		57	0.0	13					

SCREENED 10-15

WET

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 02/08/2011
Date Finish: 02/08/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_TMW_K034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 11.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4		Brown SILT, little Sand, trace Ash and Cinder.			
				14		Brown to yellow-brown clayey SILT, trace Sand.			
				15		Brown/gray/yellow-brown to red-brown mottled silty CLAY.			
		42	0.0	16		Red-brown f SAND and SILT, some Gravel			
				17					
				18					
				19					
				20					
				21					
		22	0.0	22		Red-brown SILT, little f Sand, trace Gravel.			
				23					
				24		END OF BORING			
				25					
				26					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 02/08/2011
 Date Finish: 02/08/2011
 Checked By: GG
 Sheet: 2 of 2

Soil Boring/Well Details: 107-K036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677137.9313
Eastng: 606805.6084
Elevation: 0
Total Depth: 11.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
K036-0.0		36	0.0	1		Gray to black GRAVEL, little Sand.			
				2		Black of SAND, little Silt, little Gravel, Ash and Cinder, trace Concrete, trace Brick.			
				3					
K036-3.5				4					
				5					Gray to red Gravel, little Sand and Silt.
				6					Red-brown SILT, some f Sand, trace Gravel, trace Clay.
				7					
K036-7.5				8					
				9					
				10					Brown mf SAND, some Silt and Gravel, trace Concrete.
				11					Concrete in Tip (refusal).
	12	End of Soil Boring @ 11.0 feet.							
	13								
	14								

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

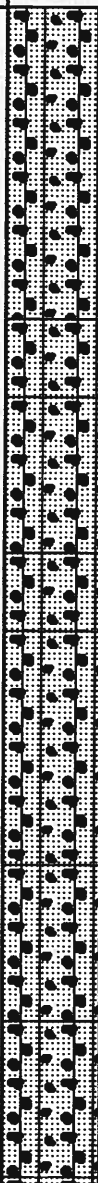
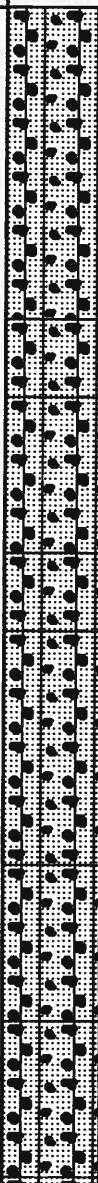
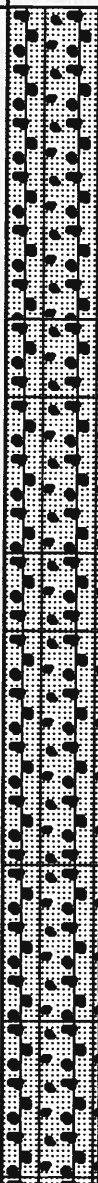
Casing Diameter: NA
Date Start: 1/25/2011
Date Finish: 1/25/2011
Checked By: GG
 Sheet 1 of 1

Soil Boring/Well Details: 107_K038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
K038-0.0	53			1		Black ASH, little Sand, trace Silt.			
				2					
				3		1			
K038-3.5				4					Gray/brown GRAVEL, little Sand and Silt, trace Concrete.
	45			5		Brown f SAND, some Gravel, little Silt, trace Brick.			
				6					
				7		2			
K038-7.5				8					CONCRETE and red BRICK, little Sand and Silt.
				9					Red-brown SILT, little Sand.
				10		3			
	32			11		Brown f SAND and SILT, some Gravel, trace Concrete.		MOIST	
K038-11.5				12					
				13		4			
				14					CONCRETE, little Sand, trace Silt.
				15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/26/2011
Date Finish: 1/26/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_K038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
K038-15.5				16		ASH, CINDER and GRAVEL, little Sand, trace Silt, trace Clay.			
K038-16.5		42		17		Brown silty CLAY, trace f Sand, trace Peat.			
				18					
				19					
				20		Yellow-brown SILT, little f Sand, trace Clay.			
K038-20.5				21		Orange-brown SILT, little Clay, little f Sand.			
		44		22					
				23		Red-brown cf Sand, little Silt, trace Gravel.		WET	
K038-24.5				24					
				25		END OF BORING.			
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/26/2011
Date Finish: 1/26/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_K040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 14.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
K040-0.0	48			1		Dark brown to black mf SAND, some Gravel, little Silt, trace Glass, trace Concrete.			
				2		Black ASH, little Silt, trace Sand, trace Gravel.			
				3					
K040-3.5				4		GARVEL and CONCRETE, little Sand.			
	5	Brown f SAND and SILT, trace Gravel.							
	6								
	7	GRAVEL and BRICK, little Sand.							
K040-7.5	8	Red-brown SILT, little f Sand.							
	9								
	10	Red-brown SILT, little f Sand, trace Gravel.							
	11								
K040-11.5	12	CONCRETE.							
	13								
	14	HISTORIC FILL, Slag.							
	15								

WET

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/26/2011
Date Finish: 1/26/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_K040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 14.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
K040-16.0				16					
		30		17		Gray/brown silty CLAY.	MOIST		
				18					
				19					
K040-20.0				20		Yellow/brown SILT, little Clay, trace Sand, mottled.	WET		
				21		Red-brown f SAND and SILT.			
				22		Red-brown f SAND, some Gravel, little Silt.			
		48		23		Red-brown mf SAND, little Silt, trace Gravel.			
K040-24.0				24		END OF BORING.			
				25					
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/26/2011
Date Finish: 1/26/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_K042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
K042-0.0		60	0.0	1		WOOD.			
				1		Black gravelly SAND, Cinder, little Silt			
				2					
				3					
K042-3.5			4	Pale brown SILT, fm Sand mixed with Brick.					
			5	Brown-green SILT, fm Sand mixed with Brick.					
			6	CONCRETE.					
			6	Tan silty SAND, trace Clay.					
			7						
			7	Pale red SILT, little Clay.					
K042-7.5	48	0.0	8						
			9						
			10						
			10	Pale red SILT, fm Sand.					
			11	Black GRAVEL and f SAND.					
			11	Brown SILT, little Clay.					
K042-11.5	30	0.0	12						
			12	Grey CLAY.					
			13						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 01/28/2011
Date Finish: 01/28/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_K042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4		Grey CLAY, trace Plastic, Gravel.			
K042-15.0				14		FILL.			
				15		Brown clayey of SAND, trace Silt.			
				16		Brown CLAY.			
		55	0.0	17		Yellow-brown CLAY.	MOIST		
				18		Green/orange SILT, little Clay.			
K042-19.0				19		Orange/brown gravelly SAND.			
				20		Orange/red CLAY and c SAND.			
				21		Orange/brown CLAY.			
K042-23.0				22		END OF BORING	SATURATED		
				23					
				24					
				25					
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 01/28/2011
Date Finish: 01/28/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_K044

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
K044-0.0	5.6	0.0	0.0	1		Black of SAND and GRAVEL, some Silt and Cinder, little Rubber, trace Glass, Metal and Wood.			
				2					
				3					
				4					
K044-3.5				5		CONCRETE.			
				6		Brown of SAND, some Silt and Gravel, trace Brick.			
	42	0.0	0.0	7		Red/brown silty SAND, little Gravel, trace Brick.			
				8					
K044-7.5				9					
				10		Black of SAND, some Silt and Gravel.			
	11								
K044-11.5	18	0.0	0.0	12		GRAVEL and CONCRETE.			
				13					
				14					
K044-14.5				15		Dark brown silty SAND, some Gravel and Cinder.			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_K044

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
K044-18.5		60	0.0	16		Brown SILT.		MOIST	
				17		Gray/orange/brown (mottled) silty CLAY.			
K044-22.5		46	0.0	18					
				19					
				20		Brown/red of SAND and GRAVEL, some Silt.		MOIST	
				21					
				22					
				23					
				24					
				25		END OF BORING			
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_K046

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 12.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
K046-0.0				1		Black of SAND and GRAVEL, some Silt and Cinder, little Rubber, trace Glass and Wood.			
		36	0.0	2					
				3					
				4					
K046-3.5				5			CONCRETE and GRAVEL.		
				6					
		10	0.0	7					
				8			Brown of SAND and GRAVEL, some Silt.		
				9					
				10			WOOD.		
				11			Black mf SAND and GRAVEL, some Silt, little Wood.	MOIST	
K046-11.5				12			Brown silty SAND and GRAVEL.		
		46	0.0	13			Brown SILT, little Gravel.	WET	
				14					
				15			Brown silty SAND.		

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 107_K046

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 25.0

Water Level: 12.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
K046-15.5		60	0.0	16		Brown SILT.		SATURATED	
				17		18			Brown SILT, little Clay (stiff).
K046-19.5		28	0.0	19		Gray/brown mottled silty CLAY (stiff), little f Sand.			
				20		21			Red-brown GRAVEL, some cf Sand, little Silt.
				22					
				23					
				24					
				25		END OF BORING			
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 1/31/2011
Date Finish: 1/31/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M020

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 9.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
M020-0.0				0		Black GRAVEL, little Snad, trace Silt.			
M020-1.0				1		Black GRAVEL and SAND, little Silt, trace COPR.	40% - 50% COPR		
				2		Black to dark red-brown band of SAND and SILT, some COPR, little Gravel.	25% COPR		
M020-2.5	42	0.0		3		Black to brown mf SAND, some Gravel, little Silt.			
M020-3.0				4		Black mf SAND, little Silt, trace COPR.			
M020-3.5				5		Gray f SAND and SILT, little brown Silt.			
				6		Red-brown f SAND, little Silt.			
				7		Red-brown mf SAND, some Gravel, little Silt.			
				8		Red-brown SILT and f SAND, some Gravel.			
M020-7.5	60	0.0		9					
				10		Red-brown f SAND, some Silt, trace Gravel, trace yellow-brown Sand.			
				11		Red-brown clayey SILT, some Gravel, little Sand.			
M020-11.5	38	0.0		12					
				13					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

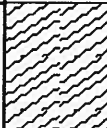






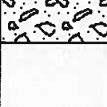
Casing Diameter: NA
Date Start: 2/11/2011
Date Finish: 2/11/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M020

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 9.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4					
				14					
				15		Red-brown cm SAND, trace Silt and f Sand.			
				16		Red-brown clayey SILT, some Gravel, little Sand.			
				5					
				17					
		47	0.0	18					
				19					
				6		Red-brown cf SAND, some Gravel, little Silt.			
				20		Red-brown mf SAND, some Gravel, some clayey Silt.			
				21					
		44	0.0	22					
				7					
				23					
				24		Red-brown mf SAND and GRAVEL, little Silt.			
				25		END OF BORING			
				26					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/11/2011
Date Finish: 2/11/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M022

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 7.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				
M022-0.0				1		Brown f SAND, some Silt, trace Gravel, trace Root structures.	<10% COPR			
M022-1-2.0		32	0.0	2		Black GRAVEL, little Sand, trace Silt, trace ASH.				
				3		Black ASH and CINDER fill, little Sand, trace Silt.				
M022-4.0				4		1	Brown SILT, some gray f Sand, little red-brown Silt, trace Ash, mottled.			
M022-4.5				5			GRAVEL, little Sand, trace blue-green Silt.			
		45	0.0	6		2	Pale gray f SAND and SILT, little red-brown Silt, mottled.			WET
				7			Red-brown SILT, little f Sand.			
				8		3	Red-brown f SAND, little Gravel, little Silt.			
M022-8.5				9			Red-brown SILT, little Gravel, little Sand.			
				10			Red-brown GRAVEL, some f Sand and Silt.			
				11		4	Red-brown clayey SILT, some Gravel, little Sand.		MOIST	
		23	0.0	12						
M022-12.5				13						
				14						
				15						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/11/2011
Date Finish: 2/11/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 107_M022

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 7.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		58	0.0	16		Red-brown SILT, some Gravel, little Sand.			
				17		Red-brown f SAND, some Silt and Gravel.			
				18		Red-brown SILT, little f Sand, trace Gravel.		WET	
				19		Red-brown cilty CLAY, little brown Sand.		MOIST	
				20		Red-brown mf SAND, little Silt.			
				21		Red-brown mf SAND, little Silt, trace Gravel.			
		34	0.0	22		Red-brown mf SAND, little Gravel, trace Silt.			
				23		Red-brown cf SAND and GRAVEL, trace Silt.			
				24		END OF BORING			
				25					
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/11/2011
Date Finish: 2/11/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M024

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677433.6827
Easting: 606714.9846
Elevation: 0
Total Depth: 24.0

Water Level: 21.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
M024-0.0				0		TOPSOIL and GRASS			
M024-0.5				1		Reddish brown of SAND and GRAVEL, some Silt and Roots, trace Glass			
M024-2.0		38	0.0	2		Black of SAND and GRAVEL, some Silt, little Cinder, trace Glass			
M024-3.5				3					
M024-4.0				4		Brown of SAND and GRAVEL, some Silt			
M024-5.0				5					
M024-6.0				6		Brown SILT			
M024-7.5		40	0.0	7					
M024-8.0				8					
M024-9.0				9		Grey SILT and CLAY			
M024-10.0				10		Reddish brown of SAND and GRAVEL, Some Silt			
M024-11.5				11					
M024-12.0				12					
M024-13.0		6	0.0	13					
M024-14.0				14					
M024-15.0				15					

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter: 3 inches	DRESDNER ROBIN 371 Warren Street P.O. Box 38 Jersey City, NJ 07302	Casing Diameter: NA Date Start: 2/10/2011 Date Finish: 2/10/2011 Checked By: GG Sheet 1 of 2
--	--	--

Soil Boring/Well Details: 107_M024

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677433.6827
Easting: 606714.9846
Elevation: 0
Total Depth: 24.0

Water Level: 21.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft.)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		20	0.0	16 17 18 19					
				20 21					
		20	0.0	22		Brown of SAND and GRAVEL, Some Silt			
				23					
				24		End of Soil Boring @ 24.0 feet			
				25 26 27 28 29					
				30					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
 Date Start: 2/10/2011
 Date Finish: 2/10/2011
 Checked By: GG
 Sheet: 2 of 2

Soil Boring/Well Details: 107_M026

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677477.0191
Easting: 606756.4816
Elevation: 0
Total Depth: 24.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				
M026-0.0				0		TOPSOIL and GRASS				
M026-0.5				1		Reddish brown of SAND and GRAVEL, some Silt and Roots, trace Glass				
		30	0.0	2		Black of SAND and GRAVEL, some Silt and Cinder				
M026-3.0				3		1	Reddish brown of SAND and GRAVEL, some Silt, trace cinder			
M026-4.0				4			Brown of SAND, some Silt, trace Gravel			
				5			Brown SILT, some mf Sand			
		46	0.0	6		2				
				7						
				8						
M026-8.0				9			Grey SILT and CLAY, some mf Sand			
				10		3				
				11						
M026-12.0				12			Reddish brown of SAND and GRAVEL, Some Silt			
		54	0.0	13		4				
				14						
				15						

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302



Casing Diameter: NA
 Date Start: 2/10/2011
 Date Finish: 2/10/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M026

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677477.0191
Easting: 606756.4816
Elevation: 0
Total Depth: 24.0

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft.)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		48	0.0	16		ROCK			
				17					
				18		Reddish brown mf SAND and GRAVEL, Some Silt			
				19					
				20					
				21					
		24	0.0	22					
				23					
				24		End of Soil Boring @ 24.0 feet			
				25					
				26					
				27					
				28					
				29					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/10/2011
Date Finish: 2/10/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M028

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677520.3555
Easting: 606797.9786
Elevation: 0
Total Depth: 24.0

Water Level: 14.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
M028-0.0				0		TOPSOIL and GRASS			
M028-0.5				0.5			trace COPR		
M028-1.0				1		Light brown SILT, some of Sand, trace Gravel			
		52	0.0	2		Black of SAND and GRAVEL, some Silt, little Cinder			
				3	1	Brown of SAND and GRAVEL, some Silt			
M028-3.5				3.5		Brown of SAND and GRAVEL, some Silt			
				4		Brown of SAND, some Silt, trace Gravel			
				5					
				6		Brown SILT			
		48	0.0	7	2				
M028-7.5				7.5					
				8					
				9					
				10	3	Grey SILT and CLAY		MOIST	
				11					
M028-11.5				11.5		Light brown SILT and CLAY, some Gravel			
		60	0.0	12					
				13	4	Reddish brown mf SAND and GRAVEL, some Silt			
				14					
				15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/10/2011
Date Finish: 2/10/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M028

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677520.3555
Easting: 606797.9786
Elevation: 0
Total Depth: 24.0

Water Level: 14.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft.)	
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				Formation
		58	0.0	16 17 18 19						
				20 21 22						
		46	0.0	23						
				24						
				25						
				26 27 28						
				29 30						
						End of Soil Boring @ 24.0 feet				

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/10/2011
Date Finish: 2/10/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M030

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677563.6919
Easting: 606839.4756
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
M030-0.0						TOPSOIL and GRASS			
M030-0.5				1		Reddish brown cf SAND and GRAVEL, some Silt, trace Cinder			
				2					
M030-2.5		43	0.0	3					
M030-3.5				4					
				5		Brown mf SAND, some Silt, trace Gravel			
				6		Brown SILT, some mf Sand, trace Gravel			
				7					
M030-7.5		43	0.0	8					
				9					
				10		Brown to grey SILT and CLAY			
				11					
M030-11.5				12					
				13					
				14					
				15		Reddish brown cf SAND, some Silt			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/10/2011
Date Finish: 2/10/2011
Checked By: GG
Sheet 1 of 2

Soil Boring/Well Details: 107_M030

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677563.6919
Easting: 606839.4756
Elevation: 0
Total Depth: 24.0

Water Level: 15.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft.)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		53	0.0	16 5		Reddish brown of SAND and GRAVEL, some Silt			
				17				WET	
				18					
				19					
				20 6		Reddish brown mf SAND and GRAVEL, some Silt			
		56	0.0	21				SATURATED	
				22					
				23 7					
				24		End of Soil Boring @ 24.0 feet			
				25					
				26 8					
				27					
				28					
				29 9					
				30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/10/2011
Date Finish: 2/10/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M032

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677607.0283
Eastng: 606880.9726
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
M032-0.0				0		Black of SAND and GRAVEL, some Silt, little Cinder, trace Glass			
M032-0.5				0.5					
				1					~20% COPR
M032-1.5		43	0.0	1.5			Reddish brown of SAND and GRAVEL, some Silt and Sandstone		
				2					
M032-3.0				3					
				3.5			Brown SILT, some mf Sand, little Gravel		
				4					
				5					
				6					
M032-7.0		43	0.0	7					MOIST
				8					
				9					
				10					
M032-11.0				11					
				11.5		Grey SILT and CLAY			
		54	0.0	12					
				13		Reddish brown of SAND and SANDSTONE, little Clay			
				14					
				15					

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302


Casing Diameter: NA
 Date Start: 2/10/2011
 Date Finish: 2/10/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M032

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 677607.0283
Easting: 606880.9726
Elevation: 0
Total Depth: 24.0

Water Level: 10.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: JES

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft.)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		53	0.0	16 17 18 19 20 21					
		56	0.0	20 21 22					
				23		Reddish brown of SAND and GRAVEL, some Silt		SATURATED	
				24		End of Soil Boring @ 24.0 feet			
				25 26 27 28 29 30					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/10/2011
Date Finish: 2/10/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 21.0

Water Level: 20.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
M034-0.0	36	0.0	0.0	1						
M034-3.0				3		1	Brown of SAND and GRAVEL, some Silt and Glass, trace Cinder, Wood and green Plastic chips.			
M034-3.5				4			Red/brown of SAND and GRAVEL, some Silt and Sandstone, little Roots.			
M034-5.0	5		Red/brown silty SAND, some Gravel and Sandstone, little Roots.							
M034-7.5	7	48	0.0	8						
M034-9.5	9			10		3	Brown silty SAND, some Roots.			
M034-13.5	13	53	0.0	11			Brown SILT, some brown mf Sand.			
M034-13.5	13			13		4	Gray silty CLAY, some gray mf SAND, trace Sandstone.			
M034-13.5	13			14						
M034-13.5	13			15						

Drilling Company: EMC, Inc.
 Driller: Ryan Zajak
 Drilling Method: Geoprobe
 Auger Size: NA
 Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302



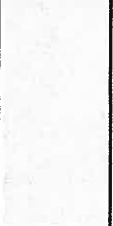

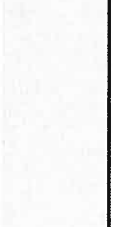
Casing Diameter: NA
 Date Start: 2/10/2011
 Date Finish: 2/10/2011
 Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M034

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 21.0

Water Level: 20.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By:

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				Formation
M034-17.5		30	0.0	16		Brown red silty SAND and SANDSTONE, some Rock and brown-red cf Sand.				
				17						
				18						
				19						
				20						
		12	0.0	21		Brown-red silty SAND and ROCK, some Sandstone and red/brown cf Sand.		WET		
				22						
				23						
				24						
				25						
7	0.0	26		END OF BORING		Pushed to 24 feet, but only had 1 foot of recovery and had rock tense @ 21 feet				
		27								
		28								
		29								
		30								
8	0.0	31								
		32								
		33								
		34								
		35								
9	0.0	36								
		37								
		38								
		39								
		40								

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/10/2011
Date Finish: 2/10/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 11.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
M036-0.0				1		Black SHINGLE, little Sand and Gravel, trace Silt, trace Glass, trace Ash.			
		30	0.0	2					
				3					
M036-3.5				4					
				5			Brown f SAND, some Gravel and Ash, little Silt, trace Brick, trace Concrete.		
		32	0.0	6					
				7			Brown mf SAND, some Gravel, little Concrete, trace Silt, trace Wood.		
M036-7.5				8			Gray-brown to orange-brown SILT, little f Sand, trace Gravel, trace Clay, mottled.		
M036-8.5				9					
				10			Red-brown f SAND, little Gravel, little Silt, little dark brown Gravel, trace Wood.		
				11			Red-brown SILT, little Gravel, little Sand.		
		42	0.0	12			Red-brown f SAND, some clayey Silt, little Gravel, trace mf black Sand.	WET	
M036-12.5				13					
				14			Blue-gray silty CLAY, trace f Sand.		
				15					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302




Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M036

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 11.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				Formation
M036-16.5		28	0.0	16		Gray f SAND, some Silt.		MOIST		
				17		Red-brown f SAND, some Silt, little Gravel.				
				18						
				19						
				20						
		21	40	0.0	21					Red-brown SILT, some Gravel, little f Sand.
		22			Red-brown SILT, little Gravel, little brown f Sand, mottled.					
		23			Red-brown f SAND, some Gravel, little Clayey Silt.					
		24			24					END OF BORING
		25			26					
27			28							
29			30							
				8						
				9						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 10.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
M038-0.0		28	0.0	1		Black SHINGLE, little Sand, trace Ash, trace Gravel, trace Silt.			
				2					
				3					
M038-3.5				4					
				5					
				6					
				7					
				8					
M038-8.0				9					
				10					
				11					
				12					
M038-12.0				13					
				14					
				15					
		21	0.0	2		Brown to red-brown f SAND, some Silt, little Gravel, trace Ash.			
		45	0.0	4		Red-brown f SAND, some Silt, little Gravel, little organic Peat.			
						CONCRETE.			
						Gray f SAND, some Silt, little Brick and Gravel.			
						Brown f SAND, some Silt, little Gravel, trace Concrete, trace Brick.			
						Red-brown f SAND, some Silt and Gravel, trace gray/brown Silt.			
						WET			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

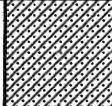
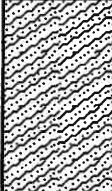


Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M038

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 10.5
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
M038-16.0		48	0.0	16		Gray clayey SILT, little gray f Sand, trace f black Sand, trace Peat.		MOIST	
				17		Gray/brown silty CLAY, trace f Sand, trace red-brown Silt.			
				18		Light gray f SAND, some Silt, little brown Silt, mottled.			
				19		Red-brown GRAVEL, some mf Sand, little Silt.			
				20		Red-brown SILT, some Gravel, little Sand, trace brown Silt.			
		21		Red-brown SILT, some Gravel, little Sand, trace brown Silt.					
		22		Red-brown SILT, some Gravel, little Sand, trace brown Silt.					
		23		Red-brown GRAVEL, little Sand, trace Silt.					
		24		Red-brown GRAVEL, little Sand, trace Silt.					
		25	END OF BORING						
26		8	32	0.0	27				
28									
29									
30									
30									

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 19.5

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)				
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation			
M040-0.0		34	0.0	1		Black SHINGLE, little Sand, trace Gravel, trace Silt, trace Ash, trace Plastic.							
M040-3.5				4		Brown f SAND, some Gravel, little Silt, trace Concrete.							
M040-7.5				8		Brown mf SAND, some Gravel, little Silt, trace Ash, trace Wood.							
M040-8.5				9		Brown SILT, little f Sand, little Gravel, trace Ash, trace Brick, trace Clay.							
				10		Red-brown SILT, little f Sand, trace Gravel, gray to gray-brown clayey Silt, trace Sand.							
				11		Gray brown silty CLAY, little f Sand.							

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M040

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 19.5

Water Level:
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
M040-12.5		51	0.0	12		Dark-brown silty CLAY, little f gray Sand lenses.			
				13					4
M040-16.5		48	0.0	15		Light-gray f SAND, some gray/brown clayey Silt.			
				16					5
				17		Light-gray f SAND, some orange-brown and yellow-brown clayey Silt, mottled.			
			18						
				19		Red-brown GRAVEL, little Sand, trace Silt.		MOIST	
			20	6				END OF BORING	
				21					
				22					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 20.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)																																		
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation																																	
M042-0.0		34	0.0	1		Black SHINGLE, some f Sand, little Gravel and Ash, trace Silt.																																					
				2																																							
				3																																							
M042-3.5	4				Brown f SAND, some Silt, little Gravel, trace Brick.																																						
	5																		Red BRICK.																								
	6																					Brown f SAND, some Silt, trace Gravel, trace Brick, trace Concrete.																					
	7																								Red-brown SILT, little f Sand, trace Gravel.																		
M042-7.5	8																											Red-brown f SAND, some Silt, some Gravel, trace Ash.															
	9																																										
M042-8.5	10																																		Red-brown f SAND, some Silt, little Gravel and brown Silt.								
	11																																										
	12																																										
	13																																										
M042-12.5	13																																										

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M042

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 20.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)				
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description				Formation			
M042-16.5		48	0.0	4				MOIST					
				14									
				15				5			Yellow-brown to yellow-gray silty CLAY, little blue-gray f Sand, trace Gravel, trace black organics.		
				16									
				17				6			Blue-gray f SAND, some Silt, little red and yellow clayey Silt, mottled.		
				18							Red-brown f SAND, some Gravel, little Silt, little yellow-brown Silt.		
				19							Red-brown GRAVEL, some f Sand, trace Silt.		
				20				7				WET	
				21									
				22									
23													
24						END OF BORING							
				25									
				26									

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_M044

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 11.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)	
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
M044-0.0		30	0.0	1		Black mf SAND, some Ash and Cinder, little Shingle, trace Glass, trace Wood.				
				2						
				3						
				4						
M044-3.5				4		CONCRETE.				
				5		Brown f SAND, some Silt, little Gravel, trace Concrete, trace Brick.				
				6						
				7						
				8						
M044-7.5		43	0.0	8		Red-brown f SAND, some Silt, trace Gravel, trace Ash.				
				9		Red-brown f SAND, some Silt, some Gravel, trace brown Silt.				
				10						
				11						
				12		Brown f SAND, some Silt, little Gravel, trace Organic.		MOIST		
M044-11.5				12				WET		
				13		Gray/brown silty CLAY, trace Gravel, f Sand, trace Shell Fragments.				
				14						

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_M044

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 24.0

Water Level: 11.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
M044-15.5		48	0.0	15		Yellow-brown to red-brown to gray mottled CLAY.			
				16					
				17					
				18					
				19					
				20					
				21					
				22					
				23					
				24					
				25		END OF BORING			
				26					
				27					
				28					

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
Sheet: 2 of 2

Soil Boring/Well Details: 107_TMW_M046

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 21.0

Water Level: 20.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		35	0.0	1		Black ASH and CINDER, little Sand, trace Silt, trace Concrete, trace Glass.			
				2		Brown f SAND, some Silt and Gravel, little Brick, trace Concrete.			
				3		Brown f SAND, some Silt, little Gravel, trace Silt, trace Brick.			
				4					
				5					
				6					
				7					
		40	0.0	8		Brown f SAND, some Gravel, little Silt.			
				9		Black ASH and CINDER, little Sand, trace Silt.			
				10		Brown f SAND, some Gravel, trace Silt.			
				11		Red-brown f SAND and SILT, some Gravel.			
				12		Brown SILT, little dark Clay lenses, trace Sand, trace Shell Fragments.			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter:

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
 Sheet 1 of 2

Soil Boring/Well Details: 107_TMW_M046

Project No: 10236-1
Project: Block 107
Client: PPG Industries
Location: Jersey City, NJ

Northing: 0
Easting: 0
Elevation: 0
Total Depth: 21.0

Water Level: 20.0
Sampling Method: Geoprobe
Sample Interval: See Log
Logged By: GG

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		54	0.0	13		Brown of SAND, little Gravel, trace Silt.			
				14		Brown SILT, little f Sand, trace-little Organics, trace Gravel.			
				15		Brown clayey SILT, trace f Sand, trace Peat.	MOIST		
		44	0.0	16					
				17					
				18		Brown silty CLAY, trace f Sand.			
				19					
				20		Red-brown GRAVEL, little f Sand, trace Silt.	WET		
		12	0.0	21					
				22					
				23		Brown GRAVEL, little Sand, trace Silt.			
				24					
				25		Red-brown Gravel, little Sand, little Silt.			
				26		END OF BORING			

Drilling Company: EMC, Inc.
Driller: Ryan Zajak
Drilling Method: Geoprobe
Auger Size: NA
Hole Diameter: 3 inches

DRESDNER ROBIN
 371 Warren Street
 P.O. Box 38
 Jersey City, NJ 07302

Casing Diameter: NA
Date Start: 2/9/2011
Date Finish: 2/9/2011
Checked By: GG
Sheet: 2 of 2



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - DD003			
DATE STARTED: 11.08.2013		DATE COMPLETED: 11.08.2013	
Northing:		Easting:	Elevation:
Geologist: Jeff Alexander		TOTAL DEPTH: 20.0 Ft	
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft) <small>Absent from Notes</small>	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	ASPHALT/GRAVEL road base	GP		0.0	
		0.5-1.0					
		1.0-1.5	Dark Gray SAND, gravel	SW			
		1.5-2.0					
		2.0-2.5					
		2.5-3.0	Dark Brown SAND and SILT, moist, some gravel	SW/ML			
		3.0-3.5					
		3.5-4.0					
		4.0-4.5					
4.5-5.0							
10.0	100	5.0-5.5	Red brown SAND and SILT, moist, some gravel	SW/ML		0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0					
		7.0-7.5					
		7.5-8.0					
		8.0-8.5					
		8.5-9.0					
		9.0-9.5					
9.5-10.0							
15.0	100	10.0-10.5	Green brown SILT, moist	ML		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - DD003

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5	Dark Gray SILT	ML		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0					
		17.0-17.5					
	100	17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Bob

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - DD004

DATE STARTED: 11.08.2013 DATE COMPLETED: 11.08.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	ASPHALT/GRAVEL road base	GP	0.0-0.5	0.0	
		0.5-1.0					
		1.0-1.5	Dark Green gray SAND, gravel	SW	2.0-2.5	0.0	
		1.5-2.0					
		2.0-2.5					
		2.5-3.0					
		3.0-3.5					
		3.5-4.0	Dark Green gray SAND and GRAVEL	SW/GP	4.0-4.5	0.0	
		4.0-4.5					
4.5-5.0	CONCRETE	GP		0.0			
10.0	100	5.0-5.5	Brown fine SAND	SP	6.0-6.5	0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0					
		7.0-7.5					
		7.5-8.0	Red brown SILT and SAND, gravel, moist	ML/SW	8.0-8.5	0.0	
		8.0-8.5					
		8.5-9.0					
		9.0-9.5	Red brown SILT and SAND, gravel, wet	ML/SW		0.0	
9.5-10.0							
15.0	100	10.0-10.5	Red brown SILT and SAND, gravel, saturated	ML/SW		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0	Red brown SAND and GRAVEL, wet	SW/GW		0.0	
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0	Green SAND and CONCRETE	SW		0.0	
		14.0-14.5					
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - DD004

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown SAND, saturated	SW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0	0.0				
		18.0-18.5	Red brown SAND, moist, mottled Yellow	SW		0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Bob

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - DD006

DATE STARTED: 11.05.2013 DATE COMPLETED: 11.05.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander
 DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	2" ASPHALT and Gray SAND and GRAVEL	GP	0.5-1	0.0	
		0.5-1.0	Pale Red BRICK material				
		1.0-1.5					
		1.5-2.0	Brown Sandy SILT and GRAVEL, moist	ML/GP		0.0	
		2.0-2.5					
		2.5-3.0					
		3.0-3.5					
		3.5-4.0					
		4.0-4.5					
		4.5-5.0					
10.0	90	5.0-5.5	Dark Brown SAND and GRAVEL, moist	SW/GW		0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0					
		7.0-7.5					
		7.5-8.0					
		8.0-8.5					
		8.5-9.0	Dark Gray to Black SILT, wet	MH		0.0	
		9.0-9.5					
		9.5-10.0					No recovery
15.0	70	10.0-10.5	Green gray to Green Silty fine SAND, saturated	SM		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0	No recovery			0.0	
		14.0-14.5					
		14.5-15.0					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - DD006

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown Silty SAND and GRAVEL, large GRAVEL, wet	SM/GP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - DD007			
Northing:		DATE STARTED: 11.05.2013	DATE COMPLETED: 11.05.2013
Geologist: Jeff Alexander		Easting:	Elevation:
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	
		TOTAL DEPTH: 20.0 Ft	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Asphalt and road base			0.0	
		0.5-1.0	Brown SAND and GRAVEL, slightly moist	SW/GW	0.5-1.0		
		1.0-1.5					
		1.5-2.0	BRICK material	GP	2.0-2.5	0.0	
		2.0-2.5					
		2.5-3.0	Brown SAND and GRAVEL, slightly Moist	SW/GW		0.0	
		3.0-3.5				0.0	
		3.5-4.0					
		4.0-4.5					
		4.5-5.0	BRICK material	GP		0.0	
10.0	100	5.0-5.5		GP		0.0	
		5.5-6.0	CONCRETE debris and Brown SAND	SW	6.0-6.5		
		6.0-6.5				0.0	
		6.5-7.0		GP			
		7.0-7.5	BRICK material			0.0	
		7.5-8.0	Brown Silty SAND, mottled Black, moist	SM	8.0-8.5		
		8.0-8.5				0.0	
		8.5-9.0					
9.0-9.5	Brown Silty SAND and GRAVEL, wet	SM/GW					
9.5-10.0				0.0			
15.0	100	10.0-10.5		SM/GW		0.0	
		10.5-11.0	Brown Silty SAND and GRAVEL, saturated	SM/GW			
		11.0-11.5				0.0	
		11.5-12.0	Red brown fine SAND and trace gravel to some	SP			
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
14.0-14.5		0.0					
14.5-15.0				0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - DD007

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown fine SAND and trace gravel to some	SP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - DD008

DATE STARTED: 11.05.2013 DATE COMPLETED: 11.05.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks			
5.0	90	0.0-0.5	ASPHALT and base material	GP	0.5-1.0	0.0				
		0.5-1.0	Gray SAND and GRAVEL	SW/GW						
		1.0-1.5								
		1.5-2.0								
		2.0-2.5	Red brown fine SAND, slightly moist / wood					SP		
		2.5-3.0								
		3.0-3.5								
		3.5-4.0	CONCRETE						0.0	
		4.0-4.5	Red brown SAND and BRICK	SW				4.0-4.5	0.0	
4.5-5.0	No recovery									
10.0	80	5.0-5.5	Red brown fine SAND and wood pieces	SP	6.0-6.5	0.0				
		5.5-6.0								
		6.0-6.5	Dark Gray SAND and GRAVEL	SW/GW						
		6.5-7.0								
		7.0-7.5								
		7.5-8.0	Black GRAVEL and SILT, wet	GW/ML				8.0-8.5	0.0	
		8.0-8.5								
		8.5-9.0								
		9.0-9.5	No recovery						0.0	
9.5-10.0										
15.0	100	10.0-10.5	Dark Gray Sandy SILT and fine gravel, saturated	ML	0.0	0.0				
		10.5-11.0								
		11.0-11.5								
		11.5-12.0								
		12.0-12.5								
		12.5-13.0								
		13.0-13.5	Red brown Sandy SILT and trace gravel							0.0
		13.5-14.0								0.0
		14.0-14.5								0.0
		14.5-15.0								0.0



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - DD008

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5	Red brown Sandy SILT and trace gravel	ML			
		15.5-16.0				0.0	
		16.0-16.5					
		16.5-17.0				0.0	
		17.0-17.5					
	100	17.5-18.0				0.0	
		18.0-18.5					
		18.5-19.0				0.0	
		19.0-19.5					
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - DD009

DATE STARTED: 11.06.2013 DATE COMPLETED: 11.06.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	ASPHALT and GRAVEL (Road base)	GP	0.5-1.0	0.0	
		0.5-1.0	Gray SAND and GRAVEL, dry	SW/GW			
		1.0-1.5	Red brown Sandy SILT and some gravel	ML	2.0-2.5	0.0	
		1.5-2.0					
		2.0-2.5					
		2.5-3.0					
		3.0-3.5	4.0-4.5	SW/GP	0.0		
		3.5-4.0					
		4.0-4.5					
		4.5-5.0					
10.0	0	5.0-5.5	No recovery			0.0	
		5.5-6.0	End of Boring (2 stepouts w/ refusal)				
		6.0-6.5					
		6.5-7.0					
		7.0-7.5					
		7.5-8.0					
		8.0-8.5					
		8.5-9.0					
		9.0-9.5					
		9.5-10.0					
15.0	NA	10.0-10.5				0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
		14.5-15.0					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - DD009

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5				0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
	NA	17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
20.0		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - DD010

DATE STARTED: 11.15.2013 DATE COMPLETED: 11.15.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	90	0.0-0.5	Gray GRAVEL and CONCRETE fill	GP	0.5-1.0	0.0	
		0.5-1.0	Brown SAND and GRAVEL	SW/GP			
		1.0-1.5					
		1.5-2.0	Brown SILT, dry		ML	0.0	
		2.0-2.5		2.0-2.5		0.0	
		2.5-3.0				0.0	
		3.0-3.5				0.0	
		3.5-4.0					
		4.0-4.5	GRAVEL and BRICK	GP	4.0-4.5	0.0	
4.5-5.0	No recovery						
10.0	90	5.0-5.5	BRICK material and WOOD	GP		0.0	
		5.5-6.0					
		6.0-6.5	Brown SILT and GRAVEL, wet	ML/GW	6.0-6.5	0.0	
		6.5-7.0				0.0	
		7.0-7.5					
		7.5-8.0					
		8.0-8.5			8.0-8.5	0.0	
		8.5-9.0	Black GRAVEL, saturated	GW			
		9.0-9.5	SILT	ML			
9.5-10.0	No recovery			0.0			
15.0	90	10.0-10.5	Black GRAVEL and SILT, saturated	GW/ML		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0	Dark Gray SILT, some organics	ML		0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
		14.0-14.5				0.0	
14.5-15.0	No recovery			0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - DD010

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5	Dark Gray Silty CLAY, some gravel, wet	CH		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
	100	17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - ED001

DATE STARTED: 11.06.2013 DATE COMPLETED: 11.06.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander
 DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Asphalt/ Gravel (Roadbase)	GP		0.0	
		0.5-1.0	Gray SAND and gravel	SP	0.5-1.0		
		1.0-1.5	Brown SAND and gravel and brick, dry	SP		0.0	
		1.5-2.0					
		2.0-2.5			2.0-2.5	0.0	
		2.5-3.0					
		3.0-3.5			0.0		
		3.5-4.0					
		4.0-4.5	Brown SAND and gravel and brick, moist		4.0-4.5	0.0	
		4.5-5.0					
10.0	100	5.0-5.5	Brown Silty SAND and some gravel, wet	SP		0.0	
		5.5-6.0					
		6.0-6.5			6.0-6.5	0.0	
		6.5-7.0					
		7.0-7.5	Some brick, brown Silty SAND, saturated	SP		0.0	
		7.5-8.0					
		8.0-8.5			8.0-8.5	0.0	
		8.5-9.0					
		9.0-9.5					0.0
		9.5-10.0					
15.0	100	10.0-10.5		SP		0.0	
		10.5-11.0					
		11.0-11.5				0.0	
		11.5-12.0					
		12.0-12.5				0.0	
		12.5-13.0					
		13.0-13.5				0.0	
		13.5-14.0					
14.0-14.5		0.0					
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ED001

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5	Large gravel pieces, light brown SAND and gravel	SP			
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0					
	100	17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ED002

DATE STARTED: 11.05.2013 DATE COMPLETED: 11.05.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	2" ASPHALT and Gray SAND and GRAVEL	SP/GP		0.0	
		0.5-1.0	Pale Red BRICK material	GP	0.5-1	0.0	
		1.0-1.5					
		1.5-2.0	Brown Sandy SILT and GRAVEL, moist	ML/GW	2.0-2.5	0.0	
		2.0-2.5					
		2.5-3.0					
		3.0-3.5					
		3.5-4.0					
		4.0-4.5					
4.5-5.0				0.0			
10.0	90	5.0-5.5	Dark Brown SAND and GRAVEL, moist	SW/GW	6.0-6.5	0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0					
		7.0-7.5					
		7.5-8.0			0.0		
		8.0-8.5			8.0-8.5	0.0	
		8.5-9.0	Dark Gray to Black SILT, wet	ML		0.0	
		9.0-9.5				0.0	
9.5-10.0	No recovery						
15.0	70	10.0-10.5	Green gray to Green Silty fine SAND, saturated	SP		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0	No recovery			0.0	
		14.0-14.5				0.0	
14.5-15.0				0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ED002

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown Silty SAND and GRAVEL, large GRAVEL, wet	SP/GP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ED003

DATE STARTED: 11.08.2013 DATE COMPLETED: 11.08.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	ASPHALT / GRAVEL road base	GP	0.5-1.0	0.0	
		0.5-1.0	Gray SAND and GRAVEL, dry	SP/GP			
		1.0-1.5	Red brown Silty SAND	SM	2.0-2.5	0.0	
		1.5-2.0					
		2.0-2.5				0.0	
		2.5-3.0	Large GRAVEL	GP		0.0	
		3.0-3.5					
		3.5-4.0	Light Brown SAND	SW	4.0-4.5	0.0	
		4.0-4.5					
4.5-5.0	0.0						
10.0	100	5.0-5.5	Dark Gray fine SAND, moist and brick	SP	6.0-6.5	0.0	
		5.5-6.0				0.0	
		6.0-6.5					
		6.5-7.0					
		7.0-7.5	Dark Gray black GRAVEL and SILT, saturated	GW/ML	8.0-8.5	0.0	
		7.5-8.0					
		8.0-8.5					
		8.5-9.0					
		9.0-9.5					
9.5-10.0	0.0						
15.0	100	10.0-10.5	Green gray SILT	ML		0.0	
		10.5-11.0				0.0	
		11.0-11.5					
		11.5-12.0	Red brown Clayey SILT, some gravel, wet	MH		0.0	
		12.0-12.5				0.0	
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
14.5-15.0	0.0						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ED003

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Brown Silty CLAY, saturated	CH		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0	Red brown Silty CLAY, wet	CH		0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Bob

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ED004

DATE STARTED: 11.08.2013 DATE COMPLETED: 11.08.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	ASPHALT / Gravel road base	GP		0.0		
		0.5-1.0	Gray SAND and GRAVEL	SP	0.5-1.0			
		1.0-1.5	Red brown SAND and GRAVEL, dry	SW/GW	1.0-1.5	0.0		
		1.5-2.0						
		2.0-2.5			2.0-2.5	0.0		
		2.5-3.0						
		3.0-3.5	CONCRETE		3.0-3.5	0.0		
		3.5-4.0	Red brown SAND, brick, dry	SP	4.0-4.5	0.0		
		4.0-4.5						
4.5-5.0								
10.0	100	5.0-5.5	Red brown SAND, brick material	SP	6.0-6.5	0.0		
		5.5-6.0						
		6.0-6.5						
		6.5-7.0						
		7.0-7.5						
		7.5-8.0	Dark Gray SILT and GRAVEL, wet	ML/GW	8.0-8.5	0.0		
		8.0-8.5						
		8.5-9.0	Black Gravel and SILT, saturated	GW/ML		0.0		
		9.0-9.5						
9.5-10.0								
15.0	100	10.0-10.5	Gray green SILT and GRAVEL, saturated	ML/GW	10.0-10.5	0.0		
		10.5-11.0						
		11.0-11.5						
		11.5-12.0						
		12.0-12.5						
		12.5-13.0	Red brown Silty CLAY, some gravel, wet	CH		0.0		
		13.0-13.5						
		13.5-14.0						
		14.0-14.5						
14.5-15.0								



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ED004

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown Silty CLAY, some gravel, wet	CH		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Bob

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - ED005			
DATE STARTED: 11.06.2013		DATE COMPLETED: 11.06.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	90	0.0-0.5	ASPHALT / GRAVEL fill (road base)	GP		0.0	
		0.5-1.0	Gray Silty SAND and GRAVEL, dry	SM/GW	0.5-1.0	0.0	
		1.0-1.5				0.0	
		1.5-2.0					
		2.0-2.5				0.0	
		2.5-3.0					
		3.0-3.5	Red brown SAND and some gravel	SW	3.5-4.0	0.0	
		3.5-4.0					
		4.0-4.5				0.0	
4.5-5.0	No recovery						
10.0	80	5.0-5.5	Red SAND and GRAVEL, dry	SW/GW	6.0-6.5	0.0	
		5.5-6.0					
		6.0-6.5				0.0	
		6.5-7.0					
		7.0-7.5					
		7.5-8.0	Wood for 6" - 1 foot				
		8.0-8.5	Dark Gray SAND and GRAVEL, wet	SW/GW	8.0-8.5	0.0	
		8.5-9.0					
		9.0-9.5				0.0	
9.5-10.0	No recovery						
15.0	90	10.0-10.5	Dark Gray SILT, saturated	ML		0.0	
		10.5-11.0					
		11.0-11.5				0.0	
		11.5-12.0	Brown Sandy SILT, some gravel, wet	MH		0.0	
		12.0-12.5					
		12.5-13.0				0.0	
		13.0-13.5					
		13.5-14.0				0.0	
		14.0-14.5					
14.5-15.0	No recovery						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ED005

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	80	15.0-15.5	Red brown Silty CLAY	CL		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				No recovery	
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - ED006			
DATE STARTED: 11.08.2013		DATE COMPLETED: 11.08.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	90	0.0-0.5	ASPHALT / Gravel, dry	GP		0.0		
		0.5-1.0	Gray SAND and GRAVEL	SW/GW	0.5-1.0			
		1.0-1.5	No recovery					
		1.5-2.0	BRICK					0.0
		2.0-2.5						0.0
		2.5-3.0						0.0
		3.0-3.5						0.0
		3.5-4.0						0.0
		4.0-4.5			0.0			
4.5-5.0			0.0					
10.0	100	5.0-5.5	BRICK and Gray SAND, moist	SP	5.0-5.5	0.0		
		5.5-6.0	Dark Gray SAND and GRAVEL	SW/GW		0.0		
		6.0-6.5				0.0		
		6.5-7.0				0.0		
		7.0-7.5		7.0-7.5	0.0			
		7.5-8.0	BRICK and dark Gray SAND and GRAVEL, moist	SP/GP		0.0		
		8.0-8.5			0.0			
		8.5-9.0			0.0			
		9.0-9.5		9.0-9.5	0.0			
9.5-10.0	Black GRAVEL, wet	GW		0.0				
15.0	100	10.0-10.5	Dark Gray SILT, gravel, saturated	ML		0.0		
		10.5-11.0				0.0		
		11.0-11.5			11.0-11.5	0.0		
		11.5-12.0				0.0		
		12.0-12.5				0.0		
		12.5-13.0				0.0		
		13.0-13.5				0.0		
		13.5-14.0				0.0		
		14.0-14.5				0.0		
14.5-15.0		0.0						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ED006

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Gray SILT and GRAVEL, saturated	ML/GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	Red brown SAND and GRAVEL	SW/GW	0.0		
		17.5-18.0			0.0		
		18.0-18.5			0.0		
		18.5-19.0			0.0		
		19.0-19.5			0.0		
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Bob

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ED007

DATE STARTED: 11.06.2013 DATE COMPLETED: 11.06.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	ASPHALT and Gravel road base	GP		0.0	
		0.5-1.0	Gray SAND and GRAVEL	SW/GW	0.5-1.0	0.0	
		1.0-1.5				0.0	
		1.5-2.0	Red brown fine SAND and GRAVEL, some wood	SP/GW	2.0-2.5	0.0	
		2.0-2.5				0.0	
		2.5-3.0				0.0	
		3.0-3.5				0.0	
		3.5-4.0				0.0	
		4.0-4.5				0.0	
4.5-5.0	0.0						
10.0	100	5.0-5.5	CONCRETE and wood debris	GP		0.0	
		5.5-6.0	Brown green SILT, moist	ML	6.0-6.5	0.0	
		6.0-6.5				0.0	
		6.5-7.0				0.0	
		7.0-7.5				0.0	
		7.5-8.0	Black GRAVEL and SAND, wet	GW/SW	8.0-8.5	0.0	
		8.0-8.5				0.0	
		8.5-9.0				0.0	
		9.0-9.5					
9.5-10.0							
15.0	100	10.0-10.5	Black GRAVEL and SAND, saturated	GW/SW		0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0	Dark Green gray fine SAND, wet	SP		0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
		14.0-14.5				0.0	
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ED007

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Gray green SILT, saturated	MH		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0	Red brown SILT	ML		0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - ED014			
DATE STARTED: 11.05.2013		DATE COMPLETED: 11.05.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	Dark Gray SAND and GRAVEL, dry, concrete debris	SP/GP		0.0		
		0.5-1.0				0.0		
		1.0-1.5				0.0		
		1.5-2.0				0.0		
		2.0-2.5	Gray green Clayey SAND and GRAVEL	SC/GW		0.0		
		2.5-3.0				0.0		
		3.0-3.5	BRICK		3.0-3.5	0.0		
		3.5-4.0	CONCRETE			0.0		
		4.0-4.5	Gray to brown SAND and trace COPR	SW		0.0		5%
4.5-5.0	0.0	5%						
10.0	100	5.0-5.5	CONCRETE debris			0.0		
		5.5-6.0				0.0		
		6.0-6.5	WOOD			0.0		
		6.5-7.0	BRICK and SAND, dry	SP		0.0		
		7.0-7.5				0.0		
		7.5-8.0				0.0		
		8.0-8.5				0.0		5%
		8.5-9.0	Red brown SAND and COPR, GRAVEL, moist	SP/GP		0.0		40%
		9.0-9.5				0.0		30%
9.5-10.0	Red brown Silty SAND	SM	9.5-10.0	0.0				
15.0	100	10.0-10.5	Dark Gray GRAVEL and SAND, saturated	GW/SW		0.0		
		10.5-11.0				0.0		
		11.0-11.5				0.0		
		11.5-12.0				0.0		
		12.0-12.5				0.0		
		12.5-13.0				0.0		
		13.0-13.5				0.0		
		13.5-14.0				0.0		
		14.0-14.5				0.0		
		14.5-15.0				0.0		



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ED014

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Black GRAVEL and SAND, saturated	GW/SW		0.0	
		15.5-16.0					
		16.0-16.5					
		16.5-17.0	Gray green SILT and ORGANICS (meadow mat)	Pt		0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5	Dark brown MEADOW MAT	Pt		0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - FD002

DATE STARTED: 11.01.2013 DATE COMPLETED: 11.01.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks		
5.0	100	0.0-0.5	Dark Gray fine SAND and GRAVEL	SP/GP	0.0-0.5	0.0	80%		
		0.5-1.0							
		1.0-1.5	Gray SAND and GRAVEL and BRICK	SP/GP					
		1.5-2.0							
		2.0-2.5							
		2.5-3.0							
		3.0-3.5	1" White SAND cemented	SP					
		3.5-4.0	2" COPR layer Red brown with Nodules	SM				4.0-4.5	0.0
		4.0-4.5	Orange with green mottled weathered NODULES						
4.5-5.0	Red brown Silty fine SAND								
10.0	80	5.0-5.5	Red brown Silty SAND and GRAVEL, moist	SM/GW	5.5-6.0	0.0			
		5.5-6.0							
		6.0-6.5							
		6.5-7.0							
		7.0-7.5							
		7.5-8.0							
		8.0-8.5	Dark Gray SILT and ORGANICS	OL				7.5-8.0	0.0
		8.5-9.0							
		9.0-9.5	No recovery						
9.5-10.0									
15.0	70	10.0-10.5	Black GRAVEL, saturated	GW	0.0	0.0			
		10.5-11.0							
		11.0-11.5							
		11.5-12.0							
		12.0-12.5							
		12.5-13.0							
		13.0-13.5							
		13.5-14.0	No recovery						
		14.0-14.5							
14.5-15.0									



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - FD002

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	MEADOW MAT, wet	Pt		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0	Green Gray CLAY, wet	CL		0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Cottrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - FD003

DATE STARTED: 10.29.2013 DATE COMPLETED: 10.29.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	Black SHINGLE material	ML		0.0	2% 5-10% COPR 5% COPR 5% COPR 5% COPR 60% COPR 15% OPR	
		0.5-1.0						
		1.0-1.5	Red BRICK					
		1.5-2.0	Gray SILT, some gravel					
		2.0-2.5						
		2.5-3.0						
		3.0-3.5	Brown SAND and GRAVEL					
		3.5-4.0						
		4.0-4.5	1-2" COPR layer (pea sized nodules)					
		4.5-5.0	Red brown SILT, moist					
10.0	80	5.0-5.5		ML	5.0-5.5	0.0		
		5.5-6.0			5.5-6.0			
		6.0-6.5			6.0-6.5			
		6.5-7.0			6.5-7.0			
		7.0-7.5	CONCRETE					
		7.5-8.0	Red brown SILT, moist		ML			
		8.0-8.5						
		8.5-9.0						
		9.0-9.5	No recovery					
		9.5-10.0						
15.0	90	10.0-10.5	Black GRAVEL, abundant SHELL fragments, wet	GW			0.0	
		10.5-11.0						
		11.0-11.5						
		11.5-12.0						
		12.0-12.5						
		12.5-13.0						
		13.0-13.5						
		13.5-14.0						
		14.0-14.5	WOOD, Black and oily saturated					
		14.5-15.0	No recovery					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - FD003

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Green gray SILT, moist	ML		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Cottrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - FD004

DATE STARTED: 10.29.2013 DATE COMPLETED: 10.29.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Black fine SAND, material	SP		0.0	
		0.5-1.0					
		1.0-1.5	dark Gray black fine SAND, some BRICK	SP			
		1.5-2.0					
		2.0-2.5	Gray fine SAND, GRAVEL, COPR	SP/GP			
		2.5-3.0					
		3.0-3.5	Gray fine SAND, GRAVEL, COPR	SP/GP			
		3.5-4.0					
		4.0-4.5	BRICK material 1ft.				
4.5-5.0	Gray fine SAND	SP	0.0	5% COPR			
10.0	100	5.0-5.5	dark Gray SAND and GRAVEL	SW/GW	5.0-5.5	0.0	
		5.5-6.0			5.5-6.0		
		6.0-6.5			6.0-6.5		
		6.5-7.0			6.5-7.0		
		7.0-7.5			ML		
		7.5-8.0	Red brown SILT, moist				
		8.0-8.5					
		8.5-9.0					
		9.0-9.5					
		9.5-10.0					
15.0	90	10.0-10.5	dark Brown SILT, saturated	MH		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0	black GRAVEL- abundant SHELLS and fragments	GW			
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5	6" of WOOD				
14.5-15.0	No recovery		0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - FD004

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	WOOD	GW		0.0	
		15.5-16.0	GRAVEL and SHELL fragments			0.0	
		16.0-16.5	Gray SILT and organics (meadow mat)	Pt		0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0	Gray green mottled SILT	MH		0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Cottrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - FD007

DATE STARTED: 10.30.2013 DATE COMPLETED: 10.30.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	dark Gray SAND and GRAVEL	SP/GP	0.0-0.5	0.0	
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
		2.0-2.5					
		2.5-3.0					
		3.0-3.5					
		3.5-4.0					
10.0	100	4.0-4.5	BRICK material	SP/GP	4.5-5.0	0.0	
		4.5-5.0					
		5.0-5.5					
		5.5-6.0					
		6.0-6.5					
		6.5-7.0					
		7.0-7.5					
		7.5-8.0					
15.0	100	8.0-8.5	Red brown SAND and GRAVEL (Second push from 4-8 feet)	SW/GW			60%
		8.5-9.0					
		9.0-9.5					
		9.5-10.0					
		10.0-10.5					
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
15.0	100	12.0-12.5	Red brown 3" layer of COPR	GW			
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
		14.5-15.0					
		10.0-10.5					
		10.5-11.0					
15.0	100	11.0-11.5	White fine SAND w/ mothball like odor (white sand did not show up in second push)	CL			
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
		14.5-15.0					
15.0	100	12.0-12.5	Brown SAND and GRAVEL	GW			
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
		14.5-15.0					
		10.0-10.5					
		10.5-11.0					
15.0	100	11.0-11.5	BRICK	GW			
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
		14.5-15.0					
15.0	100	12.0-12.5	Brown CLAY	GW			
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
		14.5-15.0					
		10.0-10.5					
		10.5-11.0					
15.0	100	11.0-11.5	WOOD, saturated	GW			
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
		14.5-15.0					
15.0	100	12.0-12.5	Black GRAVEL	GW			
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
		14.5-15.0					
		10.0-10.5					
		10.5-11.0					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - FD007

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Dark Gray green SILT	ML		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	MEADOW MAT dark Gray SILT and organics	Pt		0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Cottrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429	PP&G - SITE 107 - 18 Chapel Ave.		
SOIL BORING - F1001			
	DATE STARTED: 11.15.2013	DATE COMPLETED: 11.15.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE / fill	SW/GP	0.5-1.0	0.0	
		0.5-1.0	Brown SAND and large GRAVEL				
		1.0-1.5					
		1.5-2.0		SM	2.0-2.5	0.0	
		2.0-2.5	Red brown Silty SAND and some gravel				
		2.5-3.0					
		3.0-3.5					
		3.5-4.0		SP	8.0-8.5	0.0	
		4.0-4.5					
		4.5-5.0					
5.0-5.5							
10.0	100	5.0-5.5		MH	10.0-10.5	0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0					
		7.0-7.5	Brown yellow SAND, some gravel, moist	MH	11.0-11.5	0.0	
		7.5-8.0					
		8.0-8.5					
		8.5-9.0					
9.0-9.5		MH	12.0-12.5	0.0			
9.5-10.0							
15.0	100	10.0-10.5	Brown SILT, saturated, some gravel, brick	MH	13.0-13.5	0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
14.0-14.5							
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - F1001

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
▼		15.0-15.5	Brown Sandy SILT, some gravel, saturated	MH			
		15.5-16.0				0.0	
		16.0-16.5					
		16.5-17.0				0.0	
		17.0-17.5					
	100	17.5-18.0				0.0	
		18.0-18.5					
		18.5-19.0				0.0	
		19.0-19.5					
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren Atkinson

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - F1002

DATE STARTED: 11.15.2013 DATE COMPLETED: 11.15.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks		
5.0	100	0.0-0.5	CONCRETE / fill	SW/GP	0.5-1.0	0.0			
		0.5-1.0	Brown SAND and large GRAVEL						
		1.0-1.5							
		1.5-2.0							
		2.0-2.5	Red brown Silty SAND and some gravel	SM	2.0-2.5	0.0			
		2.5-3.0							
		3.0-3.5							
		3.5-4.0							
		4.0-4.5							
		4.5-5.0							
5.0-5.5	100	Brown yellow SAND, some gravel, moist					SW	8.0-8.5	0.0
5.5-6.0									
6.0-6.5									
6.5-7.0									
7.0-7.5									
7.5-8.0									
8.5-9.0									
9.0-9.5									
9.5-10.0									
10.0			100	10.0-10.5	Brown SILT, saturated, some gravel, brick	ML			
	10.5-11.0								
	11.0-11.5								
	11.5-12.0								
	12.0-12.5								
	12.5-13.0								
	13.0-13.5								
	13.5-14.0								
	14.0-14.5								
	14.5-15.0								
15.0	100	15.0-15.5				0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - F1002

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Brown Sandy SILT, some gravel, saturated	ML		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren Atkinson

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - F1003

DATE STARTED: 11.15.2013 DATE COMPLETED: 11.15.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	70	0.0-0.5	CONCRETE			0.0		
		0.5-1.0	Yellow SAND	SW	0.5-1.0			
		1.0-1.5	Red brown SAND and GRAVEL	SW/GW	1.0-1.5	0.0		
		1.5-2.0						
		2.0-2.5			2.0-2.5	0.0		
		2.5-3.0			2.5-3.0			
		3.0-3.5	3.0-3.5	0.0				
		3.5-4.0	No recovery					
		4.0-4.5			4.0-4.5	0.0		
		4.5-5.0						
10.0	60	5.0-5.5	CONCRETE	GP		0.0		
		5.5-6.0				0.0		
		6.0-6.5	Dark Gray GRAVEL with SILT, saturated		6.0-6.5			
		6.5-7.0						
		7.0-7.5				0.0		
		7.5-8.0						
		8.0-8.5	No recovery			8.0-8.5		0.0
		8.5-9.0						
		9.0-9.5						
9.5-10.0				0.0				
15.0	90	10.0-10.5	Dark Gray SILT with black organics, mottled	OH		0.0		
		10.5-11.0				0.0		
		11.0-11.5						
		11.5-12.0						
		12.0-12.5			0.0			
		12.5-13.0	Green SILT, saturated					
		13.0-13.5		ML		0.0		
		13.5-14.0						
		14.0-14.5	Orange Silty CLAY, moist	CH		0.0		
		14.5-15.0	No recovery					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - F1003

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks		
20.0	90	15.0-15.5	GRAVEL and SILT, brown saturated	GW/ML		0.0			
		15.5-16.0							
		16.0-16.5	Brown SAND and GRAVEL, saturated	SW/GW				0.0	
		16.5-17.0							
		17.0-17.5							
		17.5-18.0							
		18.0-18.5	Green Silty CLAY	CH				0.0	
		18.5-19.0							
		19.0-19.5							
		19.0-19.5	Red brown SILT and GRAVEL	ML/GW				0.0	
19.5-20.0	No recovery								

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren Atkinson

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - F1004

DATE STARTED: 11.15.2013 DATE COMPLETED: 11.15.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	80	0.0-0.5	CONCRETE and ASPHALT			0.0	
		0.5-1.0	Yellow SAND and GRAVEL	SW/GW	0.5-1.0		
		1.0-1.5	Red brown SAND and GRAVEL	SW/GW		0.0	
		1.5-2.0					
		2.0-2.5			2.0-2.5	0.0	
		2.5-3.0				0.0	
		3.0-3.5				0.0	
		3.5-4.0					
		4.0-4.5	No recovery		4.0-4.5	0.0	
4.5-5.0							
10.0	60	5.0-5.5	Dark Gray SAND and GRAVEL, moist	SW/GW		0.0	
		5.5-6.0					
		6.0-6.5			6.0-6.5	0.0	
		6.5-7.0	around 1ft. of WOOD and Dark Gray SAND and GRAVEL, moist	SP/GW		0.0	
		7.0-7.5				0.0	
		7.5-8.0	Dark Gray GRAVEL, wet	GW			
		8.0-8.5	No recovery		8.0-8.5	0.0	
		8.5-9.0					
		9.0-9.5				0.0	
9.5-10.0							
15.0	90	10.0-10.5	Dark Gray GRAVEL, wet	GW		0.0	
		10.5-11.0					
		11.0-11.5				0.0	
		11.5-12.0	Dark Gray SILT, wet some organic (trace)	OL		0.0	
		12.0-12.5					
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0					
		14.0-14.5	Greenish Silty CLAY mottled Orange	CH		0.0	
14.5-15.0	No recovery						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - F1004

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	80	15.0-15.5	Red Brown SAND and GRAVEL, saturated	SW/GW		0.0	
		15.5-16.0					
		16.0-16.5					
		16.5-17.0	Orange SAND, mottled red, moist	SW		0.0	
		17.0-17.5					
		17.5-18.0					
		18.0-18.5	Red Brown SAND and GRAVEL	SW/GW		0.0	
		18.5-19.0					
		19.0-19.5				No recovery	
		19.5-20.0					

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren Atkinson

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429	PP&G - SITE 107 - 18 Chapel Ave.		
SOIL BORING - GD001			
	DATE STARTED: 10.29.2013	DATE COMPLETED: 10.29.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks		
5.0	100	0.0-0.5	Dark gray fine SAND, roofing material	SP		0.0			
		0.5-1.0	Gray fine SAND and GRAVEL	SP/GP					
		1.0-1.5	Abundant GRAVEL, trace BRICK	GP					
		1.5-2.0							
		2.0-2.5							
		2.5-3.0							
		3.0-3.5							
		3.5-4.0							
		4.0-4.5	Red brown fine SAND and SILT	SP/ML				4.0-4.5	0.0
		4.5-5.0						4.5-5.0	
10.0	80	5.0-5.5	Red brown SILT, moist	ML	5.0-5.5	0.0			
		5.5-6.0							
		6.0-6.5							
		6.5-7.0							
		7.0-7.5							
		7.5-8.0							
		8.0-8.5							
		8.5-9.0			Red brown SILT, wet		MH		
		9.0-9.5			No recovery				
		9.5-10.0							
15.0	90	10.0-10.5	Black gray GRAVEL, abundant SHELL material, wet	GW		0.0			
		10.5-11.0							
		11.0-11.5							
		11.5-12.0							
		12.0-12.5							
		12.5-13.0							
		13.0-13.5							
		13.5-14.0	Gray green Silty CLAY, wet	CH			0.0		
		14.0-14.5							
		14.5-15.0	No recovery						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GD001

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	90	15.0-15.5	GRAVEL and abundant SHELL material.	GW		0.0	
		15.5-16.0					
		16.0-16.5	Gray Silty CLAY, wet	CH		0.0	
		16.5-17.0					
		17.0-17.5	Yellow gray Silty CLAY mottled			0.0	
		17.5-18.0					
		18.0-18.5				0.0	
		18.5-19.0					
		19.0-19.5	Soft ROCK, red	GP		0.0	
		19.5-20.0	No recovery				

NOTES:

Drilling Contractor: EPI

Drilling Equipment: Geoprobe

Driller:

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD002

DATE STARTED: 10.31.2013 DATE COMPLETED: 10.31.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	Black ROOFING MATERIAL		0.0-0.5	0.0		
		0.5-1.0						
		1.0-1.5						
		1.5-2.0						
		2.0-2.5	Green gray SAND and GRAVEL		SW/GW	2.0-2.5		0.0
		2.5-3.0						
		3.0-3.5						
		3.5-4.0	Red brown SILT and GRAVEL			4.0-4.5		0.0
4.0-4.5								
4.5-5.0								
5.0-5.5	70	ML/GW		6.0-6.5			0.0	
5.5-6.0								
6.0-6.5								
6.5-7.0								
7.0-7.5								
7.5-8.0								
8.0-8.5								
8.5-9.0			No recovery		8.0-8.5	0.0		
9.0-9.5								
9.5-10.0								
10.0	100	10.0-10.5	Black GRAVEL and SHELL fragments, saturated	GW		0.0		
		10.5-11.0						
		11.0-11.5						
		11.5-12.0						
		12.0-12.5						
		12.5-13.0						
		13.0-13.5						
		13.5-14.0	Dark Green gray Silty CLAY, wet		CH			0.0
14.0-14.5								
14.5-15.0								
15.0								



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - GD002

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	90	15.0-15.5	Dark Green gray Silty CLAY, wet	CH		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0	0.0				
		18.0-18.5	Yellow Silty CLAY, wet			0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0	No recovery			0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD003

DATE STARTED: 11.1.2013 DATE COMPLETED: 11.1.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Black ROOFING MATERIAL		0.0-0.5	0.0	
		0.5-1.0					
		1.0-1.5	Green gray SAND and GRAVEL	SW/GW	1.0-1.5	0.0	
		1.5-2.0					
		2.0-2.5	Red BRICK material			0.0	
		2.5-3.0					
		3.0-3.5				0.0	
		3.5-4.0	Green gray SAND and GRAVEL	SW/GW		0.0	
10.0	80	4.0-4.5			4.0-4.5	0.0	
		4.5-5.0	2 inch COPR layer			0.0	30%
		5.0-5.5	Red brown Silty SAND	SM	5.0-5.5	0.0	
		5.5-6.0					
		6.0-6.5			6.0-6.5	0.0	
		6.5-7.0					
		7.0-7.5			7.0-7.5	0.0	
		7.5-8.0					
8.0-8.5		8.0-8.5	0.0				
8.5-9.0							
15.0	60	9.0-9.5	No recovery			0.0	
		9.5-10.0					
		10.0-10.5	Red brown Silty SAND	SM		0.0	
		10.5-11.0					
		11.0-11.5	Black GRAVEL, wet	GW		0.0	
		11.5-12.0					
		12.0-12.5				0.0	
		12.5-13.0					
13.0-13.5	No recovery			0.0			
13.5-14.0							
14.0-14.5				0.0			
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
 SOIL BORING - GD003

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Dark Gray green SILT, moist	ML		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0	0.0				
		18.0-18.5	Green CLAY mottled Yellow	CL		0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD004

DATE STARTED: 10.31.2013 DATE COMPLETED: 10.31.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Dark Gray black fine SAND and ROOFING MATERIAL	SP	0.0-0.5	0.0	30%
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
		2.0-2.5	Gray SAND and Gravel abundant				
		2.5-3.0					
		3.0-3.5					
		3.5-4.0	3 inch layer of COPR				
		4.0-4.5					
4.5-5.0	Can't get sample due to BRICK						
10.0	100	5.0-5.5	Red brown Silty SAND , moist	SM	5.5-6.0	0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0					
		7.0-7.5					
		7.5-8.0					
		8.0-8.5	Red brown Silty SAND , wet				
		8.5-9.0					
		9.0-9.5					
9.5-10.0							
15.0	90	10.0-10.5	No recovery	SM	10.0-10.5	0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GD004

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	80	15.0-15.5	Red brown Silty SAND and SILT	SM		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	0.0				
		17.5-18.0	Black gray GRAVEL wet	GW	0.0		
		18.0-18.5	0.0				
		18.5-19.0	0.0				
		19.0-19.5	No recovery		0.0		
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD005

DATE STARTED: 10.31.2013 DATE COMPLETED: 10.31.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	90	0.0-0.5	Black ROOFING MATERIAL and SAND	SP		0.0		
		0.5-1.0				0.0		
		1.0-1.5				0.0		
		1.5-2.0	BRICK material and 1 inch of concrete			0.0		
		2.0-2.5						
		2.5-3.0	Gray SAND and GRAVEL	SW/GW				0.0
		3.0-3.5						
		3.5-4.0						
		4.0-4.5	Greenish SAND and Gravel, COPR				20%	
		4.5-5.0	No recovery			0.0		
10.0	100	5.0-5.5	Red brown Silty SAND, trace COPR	SM		0.0	5%	
		5.5-6.0				5%		
		6.0-6.5	Red brown Silty SAND, trace gravel, moist	SM		6.0-6.5	0.0	
		6.5-7.0				0.0		
		7.0-7.5				0.0		
		7.5-8.0				0.0		
		8.0-8.5				0.0		
		8.5-9.0				0.0		
		9.0-9.5				0.0		
9.5-10.0	0.0							
15.0	100	10.0-10.5	Red brown Silty SAND, trace gravel, moist	SM		0.0		
		10.5-11.0				0.0		
		11.0-11.5				0.0		
		11.5-12.0	Black GRAVEL, abundant angular GRAVEL and SHELL fragments, wet	GW				0.0
		12.0-12.5						0.0
		12.5-13.0						0.0
		13.0-13.5						0.0
		13.5-14.0						0.0
		14.0-14.5						0.0
14.5-15.0	0.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - GD005

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	80	15.0-15.5	Black GRAVEL, abundant angular GRAVEL and SHELL fragments, wet	GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	MEADOW MAT, dark Gray organics (roots), moist	Pt		0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0	No recovery			0.0	
		19.0-19.5				0.0	
				19.5-20.0			

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD006

DATE STARTED: 10.31.2013 DATE COMPLETED: 10.31.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	80	0.0-0.5	Black ROOFING MATERIAL fill			0.0	
		0.5-1.0				0.0	
		1.0-1.5				0.0	
		1.5-2.0				0.0	
		2.0-2.5	BRICK, Gray green SAND	SP		0.0	
		2.5-3.0				0.0	
		3.0-3.5	BRICK, Brown SAND	SP		0.0	
		3.5-4.0	BRICK and CONCRETE			0.0	
10.0	80	4.0-4.5	No recovery			0.0	
		4.5-5.0				0.0	
		5.0-5.5	SAND and brick	SW		0.0	15%
		5.5-6.0	Greenish layer, COPR impact, nodules			0.0	
		6.0-6.5	Red brown SAND, some GRAVEL	SW/GW		0.0	
		6.5-7.0			0.0		
		7.0-7.5			0.0		
		7.5-8.0			0.0		
8.0-8.5			0.0				
8.5-9.0			0.0				
9.0-9.5	No recovery			0.0			
9.5-10.0				0.0			
15.0	50	10.0-10.5	Red brown SAND, some GRAVEL	SW/GW		0.0	
		10.5-11.0			0.0		
		11.0-11.5			0.0		
		11.5-12.0			0.0		
		12.0-12.5			0.0		
		12.5-13.0	Black angular fine GRAVEL and SHELLS	GW		0.0	
		13.0-13.5			0.0		
		13.5-14.0			0.0		
14.0-14.5		0.0					
14.5-15.0			0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD006

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5	Black angular fine GRAVEL and SHELLS	GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5	MEADOW MAT, moist	Pt		0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
	30	17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
20.0		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD007

DATE STARTED: 10.31.2013 DATE COMPLETED: 10.31.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Black ROOFING MATERIAL	SP/GP	4.0-4.5	0.0	
		0.5-1.0				0.0	
		1.0-1.5				0.0	
		1.5-2.0	Gray SAND and GRAVEL and CONCRETE			0.0	
		2.0-2.5				0.0	
		2.5-3.0				0.0	
		3.0-3.5				0.0	
		3.5-4.0	BRICK and Brown SAND			0.0	
		4.0-4.5				0.0	
4.5-5.0	SP	0.0					
10.0	100	5.0-5.5	Green SAND and COPR nodules and GRAVEL	SP/GP	5.5-6.0	0.0	40%
		5.5-6.0	BRICK and Brown fine SAND, moist, some gravel	SP		0.0	
		6.0-6.5				0.0	
		6.5-7.0				0.0	
		7.0-7.5				0.0	
		7.5-8.0				0.0	
		8.0-8.5				0.0	
		8.5-9.0				0.0	
		9.0-9.5				0.0	
9.5-10.0	0.0						
15.0	60	10.0-10.5	Brown fine SAND, wet	SP	13.0-13.5	0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5	No recovery			0.0	
		13.5-14.0				0.0	
		14.0-14.5				0.0	
14.5-15.0		0.0					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - GD007

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	80	15.0-15.5	Black angular GRAVEL and angular SHELL fragments, saturated	GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	MEADOW MAT (Organics)	Pt		0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0	No recovery			0.0	
		19.0-19.5				0.0	
				19.5-20.0			

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD008

DATE STARTED: 10.31.2013 DATE COMPLETED: 10.31.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Dark Gray fine SAND	SP	0.0-0.5	0.0	
		0.5-1.0	Black ROOFING MATERIAL				
		1.0-1.5					
		1.5-2.0					
		2.0-2.5		0.0			
		2.5-3.0		0.0			
		3.0-3.5	SAND and BRICK and CONCRETE	SP		0.0	
		3.5-4.0				0.0	
		4.0-4.5				0.0	
4.5-5.0							
10.0	100	5.0-5.5				0.0	40%
		5.5-6.0	SAND and BRICK and CONCRETE, 1inch COPR layer, Nodules	SP		0.0	
		6.0-6.5	SAND and BRICK and CONCRETE	SP	6.0-6.5	0.0	
		6.5-7.0					
		7.0-7.5			7.0-7.5	0.0	
		7.5-8.0	Brown fine Silty SAND, moist	SM		0.0	
		8.0-8.5			0.0		
		8.5-9.0			0.0		
		9.0-9.5			0.0		
9.5-10.0	End of boring (refusal @ 10 feet after 5 tries)						
15.0	NA	10.0-10.5	NA			0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0				0.0	
		12.0-12.5					
		12.5-13.0				0.0	
		13.0-13.5					
		13.5-14.0				0.0	
		14.0-14.5					
14.5-15.0	0.0						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GD008

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5	NA			0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD009

DATE STARTED: 10.30.2013 DATE COMPLETED: 10.30.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Black to dark Gray SAND and GRAVEL, roofing material	SP/GP	0.0-0.5	0.0	
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
		2.0-2.5	Gray fine SAND, moist and GRAVEL	SP/GP	0.0		
		2.5-3.0					
		3.0-3.5					
		3.5-4.0	Gray green fine SAND, moist and GRAVEL	SP/GP	0.0		
		4.0-4.5					
4.5-5.0	BRICK material		0.0				
10.0	70	5.0-5.5	Red brown SILT	ML	0.0	0.0	30% 10% 10%
		5.5-6.0	Greenish brown SILT w/ COPR Nodules				
		6.0-6.5					
		6.5-7.0					
		7.0-7.5	3 inches of White fine SAND and BRICK	SP	0.0		
		7.5-8.0	BRICK				
		8.0-8.5	Brown SILT, moist	ML	8.0-8.5	0.0	
		8.5-9.0	No recovery, End of Boring (Stepped off three locations nearby with refusal each time)			0.0	
		9.0-9.5			0.0		
9.5-10.0							
15.0	NA	10.0-10.5	NA			0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
		14.0-14.5				0.0	
14.5-15.0	0.0						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GD009

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5	NA			0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD010

DATE STARTED: 10.30.2013 DATE COMPLETED: 10.30.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks		
5.0	100	0.0-0.5	dark Gray black SILTY SAND and gravel	SM	0.0-0.5	0.0			
		0.5-1.0	ROOFING MATERIAL						
		1.0-1.5							
		1.5-2.0							
		2.0-2.5							
		2.5-3.0	BRICK material						
		3.0-3.5	Dark Gray SAND and GRAVEL	SW/GW					
		3.5-4.0							
		4.0-4.5	CONCRETE						
10.0	100	5.0-5.5	Brown Silty SAND and GRAVEL, COPR nodules, slag	SM/GW	0.0	0.0	15%		
		5.5-6.0					15%		
		6.0-6.5	Light Brown SILT	ML			10%		
		6.5-7.0	Light Brown SILT, trace COPR	ML			10%		
		7.0-7.5	Brown SILT trace COPR nodules	ML			10%		
		7.5-8.0	1" Green yellow staining				10%		
		8.0-8.5	Brown SILT	ML			8.0-8.5	0.0	
		8.5-9.0							
		9.0-9.5					9.0-9.5	0.0	
9.5-10.0									
15.0	100	10.0-10.5	Brown SILT	ML	10.0-10.5	0.0			
		10.5-11.0							
		11.0-11.5			11.0-11.5	0.0			
		11.5-12.0	Gray Silty CLAY	SM					
		12.0-12.5	Black GRAVEL Saturated	GW		0.0			
		12.5-13.0				0.0			
		13.0-13.5				0.0			
		13.5-14.0				0.0			
		14.0-14.5				0.0			
14.5-15.0			0.0						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GD010

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Black GRAVEL Saturated	GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0	Gray SILT, moist	ML		0.0	
		17.0-17.5				0.0	
		17.5-18.0	MEADOW MAT (Organics)	Pt		0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Kyle Coltrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD011

DATE STARTED: 12.03.2013 DATE COMPLETED: 12.03.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: Geoprobe with Hammer PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	60%	0.0-0.5	6" asphalt, black SAND/roofing material, brick	SP	0.5-1.0		
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
5.0	30%	2.0-2.5	Green -gray fine SAND and some gravel.	SP	2.0-2.5		
		2.5-3.0					
		3.0-3.5					
		3.5-4.0					
5.0	50%	4.0-4.5	Pale red fine SAND , moist	SP	4.0-4.5		
		4.5-5.0					
		5.0-5.5					
		5.5-6.0					
10.0	50%	6.0-6.5	Pale red fine SAND , moist	SP	6.0-6.5		
		6.5-7.0					
		7.0-7.5					
		7.5-8.0					
10.0	10%	8.0-8.5	Wood (no recovery to sample)	NA			
		8.5-9.0					
		9.0-9.5					
		9.5-10.0					
15.0	20%	10.0-10.5	Black gravel (shells), saturated	GP			
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
	5%	12.0-12.5	Black gravel (shells), saturated				
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
0%	14.0-14.5	No recovery					
	14.5-15.0						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD011

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	0%	15.0-15.5	No recovery	NA			
		15.5-16.0					
	10%	16.0-16.5	Gray SILT, saturated	ML			
		16.5-17.0					
17.0-17.5							
20.0	—	17.5-18.0	Light Gray SILT, saturated with red rock at the bottom.	ML			
		18.0-18.5					
		18.5-19.0					
		19.0-19.5					
25.0		19.5-20.0	Refusal end of boring @ 20'				
		20.0-20.5					
		20.5-21.0					
		21.0-21.5					
		21.5-22.0					
		22.0-22.5					
		22.5-23.0					
		23.0-23.5					
		23.5-24.0					
		24.0-24.5					
24.5-25.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe (Geotechnical)
 Driller: Bob Fleming

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD012

DATE STARTED: 11.04.2013 DATE COMPLETED: 11.04.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Black fine SAND and GRAVEL, Roofing material	SP/GP	0.0-0.5	0.0	
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
		2.0-2.5	Gray SAND, dry	SW			
		2.5-3.0					
		3.0-3.5					
		3.5-4.0	WOOD				
		4.0-4.5					
4.5-5.0							
10.0	100	5.0-5.5	SAND and GRAVEL, dry	SW/GW	6.0-6.5	0.0	10% 40%
		5.5-6.0	SAND and GRAVEL and some COPR Nodules	SW/GW			
		6.0-6.5	COPR-impacted (weathered nodules)				
		6.5-7.0	BRICK and SAND and GRAVEL	SW/GW			
		7.0-7.5					
		7.5-8.0					
		8.0-8.5	Dark Gray SILT, moist	ML			
		8.5-9.0					
		9.0-9.5					
9.5-10.0							
15.0	100	10.0-10.5	Black GRAVEL and SHELL fragments, saturated	GW	0.0	0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0	Dark Gray SILT, wet	ML			
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - GD012

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5	MEADOW MAT	Pt		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
	100	17.0-17.5	Dark Gray orange Silty CLAY	CL		0.0	
		17.5-18.0				0.0	
		18.0-18.5	Red brown CLAY and gravel	CL		0.0	
		18.5-19.0			0.0		
		19.0-19.5			0.0		
20.0		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD013

DATE STARTED: 11.04.2013 DATE COMPLETED: 11.04.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	Black SAND and GRAVEL	SP/GP	0.0-0.5	0.0		
		0.5-1.0	ROOFING MATERIAL, dry					
		1.0-1.5						
		1.5-2.0						
		2.0-2.5	Green gray SAND and GRAVEL, dry	SW/GW				
		2.5-3.0						
		3.0-3.5						
		3.5-4.0						
		4.0-4.5	CONCRETE					
		4.5-5.0	Red brown SAND and GRAVEL	SW/GW				
10.0	100	5.0-5.5	BRICK and CONCRETE debris		7.0-7.5	0.0	40% 10%	
		5.5-6.0						
		6.0-6.5	COPR Nodules / Red SAND, dry	SP				
		6.5-7.0						
		7.0-7.5	BRICK material / Dark Gray SAND, moist	SP				
		7.5-8.0						
		8.0-8.5						
		8.5-9.0						
		9.0-9.5						
		9.5-10.0						
15.0	100	10.0-10.5	Black GRAVEL, wet	GW	10.0-10.5	0.0		
		10.5-11.0						
		11.0-11.5						
		11.5-12.0	Gray Silty SAND, wet					SM
		12.0-12.5						
		12.5-13.0						
		13.0-13.5						
				13.5-14.0				
		14.0-14.5						
		14.5-15.0						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GD013

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Gray Silty SAND, wet	SM		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	Red brown (Orange) CLAY and GRAVEL, wet	CL/GW		0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI

Drilling Equipment: Geoprobe

Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD014

DATE STARTED: 11.04.2013 DATE COMPLETED: 11.04.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	90	0.0-0.5	Dark Gray ASPHALT and SAND and Gray ROOFING MATERIAL	SP	0.0-0.5	0.0	
		0.5-1.0				0.0	
		1.0-1.5				0.0	
		1.5-2.0				0.0	
		2.0-2.5				0.0	
		2.5-3.0				0.0	
		3.0-3.5	Dark Gray SAND and GRAVEL	SW/GW	0.0		
		3.5-4.0	Abundant GRAVEL	GW	0.0		
		4.0-4.5	BRICK		0.0		
4.5-5.0	No recovery		0.0				
10.0	100	5.0-5.5	Red brown SAND and GRAVEL	SW/GW		0.0	30% 10%
		5.5-6.0	COPR-impact / nodules			0.0	
		6.0-6.5	BRICK and Gray SAND, dry	SW	6.0-6.5	0.0	
		6.5-7.0			7.0-7.5	0.0	
		7.0-7.5				0.0	
		7.5-8.0	Dark Gray Silty SAND	SM	8.0-8.5	0.0	
		8.0-8.5				0.0	
		8.5-9.0				0.0	
		9.0-9.5	Black GRAVEL, wet	GW	9.0-9.5	0.0	
9.5-10.0		0.0					
15.0	100	10.0-10.5		GW		0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0	Dark Gray Sandy SILT, wet	ML		0.0	
		12.0-12.5			0.0		
		12.5-13.0			0.0		
		13.0-13.5			0.0		
		13.5-14.0			0.0		
		14.0-14.5			0.0		
14.5-15.0			0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD014

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Dark Gray Sandy SILT, wet	ML		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	Gray green CLAY	CL		0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0	Red brown (Orange) CLAY and GRAVEL	CL/GW		0.0	
		19.0-19.5				0.0	
		19.5-20.0					

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GD015

DATE STARTED: 11.04.2013 DATE COMPLETED: 11.04.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks		
5.0	100	0.0-0.5	Black SAND and GRAVEL	SP/GP	0.0-0.5	0.0			
		0.5-1.0							
		1.0-1.5							
		1.5-2.0							
		2.0-2.5	Gray green SAND and GRAVEL	SW/GW		2.5-3.0			
		3.0-3.5							
		3.5-4.0							
		4.0-4.5				Red BRICK material			4.5-5.0
		4.5-5.0							
10.0	100	5.0-5.5	Greenish with Red mottled COPR			0.0	30% 10% 5%		
		5.5-6.0							
		6.0-6.5	CONCRETE piece	SW/GW		6.5-7.0		0.0	
		6.5-7.0	Brown SAND and GRAVEL, moist						
		7.0-7.5							
		7.5-8.0							
		8.0-8.5							
		8.5-9.0							
		9.0-9.5	Dark Gray Silty SAND, moist						SM
9.5-10.0									
15.0	90	10.0-10.5	Dark Gray black GRAVEL, wet	GW		0.0			
		10.5-11.0							
		11.0-11.5							
		11.5-12.0	Dark Gray green SILT, moist	ML				0.0	
		12.0-12.5							
		12.5-13.0							
		13.0-13.5							
		13.5-14.0							
		14.0-14.5							
14.5-15.0	No recovery				0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - GD015

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Dark Gray SILT and CLAY	ML/CL		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0	Red brown CLAY	CL	0.0		
		19.0-19.5			0.0		
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - GI001

DATE STARTED: 11.21.2013 DATE COMPLETED: 11.21.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks				
5.0	95	0.0-0.5	CONCRETE	SP	1.0-1.5	0.0					
		0.5-1.0	Brown fine SAND, some gravel, dry			0.0					
		1.0-1.5	Brown fine SAND, COPR nodules, dry	SP	3.0-3.5	0.0		30%			
		1.5-2.0				0.0		40%			
		2.0-2.5				0.0		40%			
		2.5-3.0				0.0		30%			
		3.0-3.5				0.0		10%			
		3.5-4.0				Brown fine SAND, moist		SP	4.0-4.5	0.0	
		4.0-4.5								0.0	
4.5-5.0											
10.0	90	5.0-5.5	Brown fine SAND, some large gravel and brick	SP	5.0-5.5	0.0					
		5.5-6.0				0.0					
		6.0-6.5				0.0					
		6.5-7.0				0.0					
		7.0-7.5				0.0					
		7.5-8.0				0.0					
		8.0-8.5				0.0					
		8.5-9.0				0.0					
		9.0-9.5				0.0					
9.5-10.0	0.0										
15.0	90	10.0-10.5	Red brown fine SAND and large gravel	SP	10.0-10.5	0.0					
		10.5-11.0				0.0					
		11.0-11.5				0.0					
		11.5-12.0	1" of Concrete, Red brown fine to medium SAND and large gravel			SP		12.0-12.5	0.0		
		12.0-12.5							0.0		
		12.5-13.0							0.0		
		13.0-13.5							0.0		
		13.5-14.0							0.0		
		14.0-14.5							0.0		
14.5-15.0	0.0										



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GI001

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
▼ 20.0	100	15.0-15.5	Red brown SAND, medium to coarse, saturated and some gravel	SP				
		15.5-16.0						0.0
		16.0-16.5						0.0
		16.5-17.0						
		17.0-17.5						0.0
		17.5-18.0						
		18.0-18.5						0.0
		18.5-19.0						
		19.0-19.5						0.0
19.5-20.0								

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - GI002

DATE STARTED: 11.12.2013 DATE COMPLETED: 11.12.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks			
5.0	100	0.0-0.5	CONCRETE and Dark Gray black SAND (ash-like), trace slag	SP		0.0				
		0.5-1.0								
		1.0-1.5								
		1.5-2.0								
		2.0-2.5								
		2.5-3.0								
		3.0-3.5								
		10.0	100	3.5-4.0	Red brown SAND, some COPR	SW		0.0	20%	
4.0-4.5										
4.5-5.0										
15.0	100			5.0-5.5	Red brown Silty SAND, moist	SM	5.0-5.5	0.0		
				5.5-6.0						
				6.0-6.5						
				6.5-7.0						
		10.0	100	7.0-7.5	CONCRETE pieces, dry Red brown SAND and GRAVEL	SW		0.0		
				7.5-8.0						
				8.0-8.5						
				8.5-9.0						
				9.0-9.5						
				9.5-10.0						
15.0	100	10.0-10.5	Dark Gray Silty SAND	SW		0.0				
		10.5-11.0								
		11.0-11.5								
		11.5-12.0								
		15.0		100	12.0-12.5	Dark Gray Silty SAND	SM		0.0	
					12.5-13.0					
					13.0-13.5					
					13.5-14.0					
15.0	100	14.0-14.5	Dark Gray Silty SAND	SM		0.0				
		14.5-15.0								



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GI002

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	70	15.0-15.5	Dark Gray Silty SAND	SM		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0	Red brown Silty SAND			0.0	
		18.0-18.5				0.0	
		18.5-19.0	No recovery			0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - GI003

DATE STARTED: 11.12.2013 DATE COMPLETED: 11.12.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks			
5.0	100	0.0-0.5	CONCRETE			0.0				
		0.5-1.0	Gray SAND and GRAVEL	SW/GW	0.5-1.0					
		1.0-1.5			1.0-1.5					
		1.5-2.0			1.5-2.0					
		2.0-2.5	100	Black fine SAND (ash-like)	SW				0.0	
		2.5-3.0								
		3.0-3.5		Red brown COPR						
		3.5-4.0							0.0	30%
		4.0-4.5							0.0	30%
4.5-5.0					0.0	10%				
10.0	100	5.0-5.5	Red brown SILT, COPR	ML		0.0	10%			
		5.5-6.0	Brown SAND	SW	5.5-6.0					
		6.0-6.5			6.5-7.0					
		6.5-7.0								
		7.0-7.5							0.0	
		7.5-8.0							0.0	
		8.0-8.5	CONCRETE 6"- 1ft.						0.0	
		8.5-9.0							0.0	
		9.0-9.5							0.0	
9.5-10.0	No recovery			9.5-10.0	0.0					
15.0	100	10.0-10.5	Gray SAND and GRAVEL	SW/GW		0.0				
		10.5-11.0								
		11.0-11.5								
		11.5-12.0	Gray SAND, moist, some brick pieces	SW						
		12.0-12.5			0.0					
		12.5-13.0			0.0					
		13.0-13.5						0.0		
		13.5-14.0	Dark Gray black GRAVEL and SILT, wet	GW/ML						
14.0-14.5		0.0								
14.5-15.0		0.0								



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - GI003

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Dark Gray black GRAVEL	GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0	Dark Gray SILT, wet	MH		0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0	Red brown SILT and large gravel	ML		0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - HD001

DATE STARTED: 10.30.2013 DATE COMPLETED: 10.30.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander
 DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	dark gray SILT and gravel, roofing material	ML	0.0-0.5	0.0	
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
		2.0-2.5	seam of magnetic SOILS and SLAG, orangish but no nodules		2.0-2.5	0.0	
		2.5-3.0					
		3.0-3.5	dark gray SAND and gravel	SW		0.0	
		3.5-4.0					
		4.0-4.5	BRICK		4.0-4.5	0.0	
4.5-5.0	gray green SAND and GRAVEL	SW/GW		0.0			
10.0	100	5.0-5.5	CONCRETE debris			0.0	
		5.5-6.0	red brown Silty CLAY	CL	6.0-6.5	0.0	
		6.0-6.5					
		6.5-7.0					
		7.0-7.5				0.0	
		7.5-8.0					
		8.0-8.5	1" CONCRETE debris		8.0-8.5	0.0	
		8.5-9.0	red brown Silty CLAY	CL		0.0	
9.0-9.5							
9.5-10.0							
15.0	100	10.0-10.5	BRICK material	CL/SW		0.0	
		10.5-11.0	red brown Silty CLAY and SAND				
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5	large GRAVEL (dark gray) angular	GP		0.0	
		13.5-14.0	GRAVEL, fine, abundant shells, saturated				
		14.0-14.5					
14.5-15.0				0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - HD001

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	80	15.0-15.5	GRAVEL, fine, abundant shells, saturated	GW		0.0	
		15.5-16.0					
		16.0-16.5					
		16.5-17.0					
		17.0-17.5					
		17.5-18.0	green gray SILTY CLAY	CH	0.0		
		18.0-18.5					
		18.5-19.0					
		19.0-19.5	No Recovery		0.0		
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Kyle Cottrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - HD002

DATE STARTED: 10.28.2013 DATE COMPLETED: 10.28.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	SILT and GRAVEL, dark gray dry.	ML/GP		0.0		
		0.5-1.0						
		1.0-1.5	Black roofing material/ SILT dry	ML				0.0
		1.5-2.0						
		2.0-2.5	Red SILT					
		2.5-3.0		ML/GP				0.0
		3.0-3.5	Gray SILT and GRAVEL, dry w/ trace COPR					
		3.5-4.0						
		4.0-4.5						
4.5-5.0		0.0	10% COPR 5% COPR 5% COPR 5% COPR					
10.0	100	5.0-5.5	Light gray to brown SILT, dry	ML	5.0-5.5	0.0		
		5.5-6.0			5.5-6.0			
		6.0-6.5			6.0-6.5			
		6.5-7.0			6.5-7.0			
		7.0-7.5		0.0				
		7.5-8.0						
		8.0-8.5	Light gray to brown SILT moist		0.0			
		8.5-9.0						
		9.0-9.5						
		9.5-10.0						
15.0	100	10.0-10.5		ML		0.0		
		10.5-11.0						
		11.0-11.5						
		11.5-12.0						
		12.0-12.5						
		12.5-13.0						
		13.0-13.5	Black GRAVEL, wet, medium GRAVEL	GP				0.0
		13.5-14.0						
		14.0-14.5						
14.5-15.0		0.0						



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - HD002

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Black GRAVEL, wet, medium gravel	GP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	Dark gray SILT, moist	ML		0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5	Dark gray PEAT, moist, organic	Pt		0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Kyle Cottrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - HD003

DATE STARTED: 10.28.2013 DATE COMPLETED: 10.28.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	Black roofing material and SILT, dry, GRAVEL	ML/GP		0.0		
		0.5-1.0						
		1.0-1.5						
		1.5-2.0						
		2.0-2.5						
		2.5-3.0						
		3.0-3.5	CONCRETE ~1-2"	ML		0.0		
		3.5-4.0	Gray SILT, orange BRICK material dry.					
4.0-4.5								
4.5-5.0				4.0-4.5	0.0			
				4.5-5.0	0.0			
10.0	70	5.0-5.5	Red-orange BRICK material			0.0		
		5.5-6.0						
		6.0-6.5						
		6.5-7.0	Brick and GRAVEL riprap	GP			0.0	
		7.0-7.5						
		7.5-8.0	Light brown, SILT, dry	ML			0.0	
		8.0-8.5						
		8.5-9.0						No recovery
		9.0-9.5						
9.5-10.0					0.0			
15.0	90	10.0-10.5	Dark gray-brown, gray SILT	ML		0.0		
		10.5-11.0						
		11.0-11.5						
		11.5-12.0						
		12.0-12.5						
		12.5-13.0						
		13.0-13.5						
		13.5-14.0						
		14.0-14.5	Black GRAVEL, angular, wet	GW			0.0	
		14.5-15.0	No recovery				0.0	



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - HD003

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	light brown SILT and GRAVEL	ML/GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	Dark gray GRAVEL, small gravel	GW		0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0	PEAT, meadow mat, organics	Pt		0.0	
		19.0-19.5				0.0	
		19.5-20.0					

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Kyle Cottrull

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ID001

DATE STARTED: 11.21.2013 DATE COMPLETED: 11.21.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	95	0.0-0.5	CONCRETE			0.0		
		0.5-1.0	Brown fine SAND, some gravel	SP				
		1.0-1.5			1.0-1.5	0.0		
		1.5-2.0	Brown fine SAND, trace to little COPR nodules	SP			0.0	10%
		2.0-2.5			2.0-2.5	0.0	10%	
		2.5-3.0					0.0	10%
		3.0-3.5					0.0	10%
		3.5-4.0				0.0	10%	
		4.0-4.5	Brown SAND, some Yellow stained concrete	SW		4.0-4.5	0.0	
4.5-5.0								
10.0	80	5.0-5.5	Red brown SAND, some gravel, moist	SW	5.0-5.5	0.0		
		5.5-6.0						
		6.0-6.5			6.0-6.5	0.0		
		6.5-7.0						
		7.0-7.5			7.0-7.5	0.0		
		7.5-8.0						
		8.0-8.5			8.0-8.5	0.0		
		8.5-9.0						
		9.0-9.5						0.0
9.5-10.0								
15.0	50	10.0-10.5	Red brown SAND and some large gravel, saturated	SW		0.0		
		10.5-11.0						
		11.0-11.5						
		11.5-12.0				0.0		
		12.0-12.5						
		12.5-13.0				0.0		
		13.0-13.5						
		13.5-14.0				0.0		
		14.0-14.5						
14.5-15.0				0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - ID001

				PAGE: 2 of 2			
DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	20	15.0-15.5	Red brown SAND and some large gravel, saturated	SW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5	Refusal @ 18.5 feet			0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ID002

DATE STARTED: 11.21.2013 DATE COMPLETED: 11.21.2013

Geologist: Jeff Alexander Easting: Elevation: TOTAL DEPTH: 20.0 Ft

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE			0.0	
		0.5-1.0	Brown fine to medium SAND, slightly moist	SP		0.0	
		1.0-1.5				0.0	5%
		1.5-2.0	Brown fine SAND, trace COPR nodules	SP		0.0	5%
		2.0-2.5				0.0	5%
		2.5-3.0	CONCRETE stained Yellow/ Brown SAND COPR	SP		0.0	5%
		3.0-3.5				0.0	5%
		3.5-4.0	CONCRETE stained Yellow			0.0	
		4.0-4.5				0.0	
4.5-5.0	Brown fine SAND	SP	4.5-5.0	0.0			
10.0	100	5.0-5.5	Red brown fine SAND and large GRAVEL, wet	SP		0.0	
		5.5-6.0			5.5-6.0	0.0	
		6.0-6.5				0.0	
		6.5-7.0			6.5-7.0	0.0	
		7.0-7.5				0.0	
		7.5-8.0		7.5-8.0	0.0		
		8.0-8.5			0.0		
		8.5-9.0	Dark Red brown SAND and Red brown gravel	SW		0.0	
		9.0-9.5				0.0	
9.5-10.0			0.0				
15.0	100	10.0-10.5	Red brown medium coarse SAND, saturated	SP		0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
		14.0-14.5				0.0	
14.5-15.0			0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - ID002

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0		15.0-15.5	Refusal @ 15.0 feet			0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ID005

DATE STARTED: 11.20.2013 DATE COMPLETED: 11.20.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	CONCRETE			0.0		
		0.5-1.0	Brown fine SAND with COPR nodules	SP		0.0	20%	
		1.0-1.5					40%	
		1.5-2.0					30%	
		2.0-2.5					0.0	30%
		2.5-3.0	CONCRETE with slight yellow staining				0.0	0%
		3.0-3.5	Red brown SAND and some COPR Nodules	SW			0.0	15%
		3.5-4.0						15%
		4.0-4.5	Brown SAND and CONCRETE	SW			0.0	
4.5-5.0	4.5-5.0							
10.0	90	5.0-5.5	Gray fine SAND and GRAVEL	SP		0.0		
		5.5-6.0					5.5-6.0	
		6.0-6.5	Yellow orange SAND and GRAVEL	SW/GW			0.0	
		6.5-7.0						6.5-7.0
		7.0-7.5	Dark brown fine SAND	SP			0.0	
		7.5-8.0						7.5-8.0
		8.0-8.5						
		8.5-9.0					0.0	
		9.0-9.5	Red brown SAND and GRAVEL	SW/GW			0.0	
9.5-10.0								
15.0	70	10.0-10.5	Red brown fine-medium SAND and gravel, moist	SP		0.0		
		10.5-11.0						
		11.0-11.5						
		11.5-12.0						
		12.0-12.5						
		12.5-13.0						
		13.0-13.5	CONCRETE				0.0	
		13.5-14.0	Red brown fine-medium SAND, some gravel, moist	SP			0.0	
		14.0-14.5						
14.5-15.0	0.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ID005

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
▼ 20.0	100	15.0-15.5	Red brown fine SAND and some gravel, saturated	SP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - ID006			
DATE STARTED: 11.20.2013		DATE COMPLETED: 11.20.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	90	0.0-0.5	CONCRETE			0.0	
		0.5-1.0	Gray SAND with COPR nodules	SW			30%
		1.0-1.5					10%
		1.5-2.0			1.5-2.0		10%
		2.0-2.5					10%
		2.5-3.0			2.5-3.0	0.0	10%
		3.0-3.5					10%
		3.5-4.0				0.0	10%
		4.0-4.5			Red brown SAND and some gravel, dry	SW	4.0-4.5
		4.5-5.0					
10.0	100	5.0-5.5	Red brown SAND and some gravel, dry	SW	5.0-5.5	0.0	
		5.5-6.0					
		6.0-6.5	Tan medium SAND	SW	6.0-6.5	0.0	
		6.5-7.0					
		7.0-7.5			7.0-7.5	0.0	
		7.5-8.0	Dark Gray ash-like material				
		8.0-8.5			8.0-8.5	0.0	
		8.5-9.0					
		9.0-9.5	Brown fine SAND, little gravel	SP			
		9.5-10.0				0.0	
15.0	90	10.0-10.5	Red brown medium SAND, some gravel, moist	SP		0.0	
		10.5-11.0					
		11.0-11.5				0.0	
		11.5-12.0					
		12.0-12.5				0.0	
		12.5-13.0					
		13.0-13.5				0.0	
		13.5-14.0					
		14.0-14.5				0.0	
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ID006

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
▼ 20.0	80	15.0-15.5	Red brown SAND and gravel, wet	SW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ID008

DATE STARTED: 11.14.2013 DATE COMPLETED: 11.14.2013

Geologist: Jeff Alexander Easting: Elevation: TOTAL DEPTH: 25.0 Ft

DRILLING METHOD: Geoprobe with Hammer PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	—	0.0-0.5	Black roofing material and asphalt-like gravel, dry	NA				
		0.5-1.0						
		1.0-1.5						
		1.5-2.0						
		2.0-2.5						
		2.5-3.0						
		3.0-3.5						
		3.5-4.0						
		4.0-4.5						
10.0	10%	5.0-5.5	Concrete Pieces- (one piece with yellow staining)	GP				
		5.5-6.0						
		6.0-6.5						
		6.5-7.0						
	50%	7.0-7.5	Red brown Silty SAND and gravel, moist					
		7.5-8.0						
		8.0-8.5						
		8.5-9.0						
		9.0-9.5						
		9.5-10.0						
15.0	50%	10.0-10.5	Red brown Silty SAND and gravel, saturated	SP				
		10.5-11.0						
		11.0-11.5						
		11.5-12.0						
	40%	12.0-12.5						
		12.5-13.0						
		10%						13.0-13.5
								13.5-14.0
14.0-14.5								
14.5-15.0								



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - ID008

				PAGE:	2 of 2			
DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
20.0	5%	15.0-15.5	Red brown Silty SAND and gravel, saturated	SP				
		15.5-16.0						
		16.0-16.5						
		16.5-17.0						
	5%	17.0-17.5	Dark Gray SILT, wet	ML				
		17.5-18.0						
		18.0-18.5						
		18.5-19.0						
100%	19.0-19.5	Black GRAVEL, saturated Dark gray SILT, moist	GP/ML					
	19.5-20.0							
25.0	100%	20.0-20.5						
		20.5-21.0						
	80%	21.0-21.5	Dark Gray SILT, saturated	ML				
		21.5-22.0						
		22.0-22.5						
		22.5-23.0						
	100%	23.0-23.5	Orange med. SAND, saturated	SP				
		23.5-24.0						
24.0-24.5								
24.5-25.0								

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe (Geotechnical)
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - ID009

DATE STARTED: 11.04.2013 DATE COMPLETED: 11.04.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Black fine SAND and GRAVEL, Roofing Material	SP/GP	0.0-0.5	0.0	
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
		2.0-2.5					
		2.5-3.0	BRICK material		0.0		
		3.0-3.5	Dark Gray SAND and GRAVEL	SW/GW		0.0	
		3.5-4.0					
		4.0-4.5					
		4.5-5.0	CONCRETE pieces		0.0		
10.0	100	5.0-5.5	CONCRETE			0.0	10% 60%
		5.5-6.0	SAND and GRAVEL	SW/GW			
		6.0-6.5	COPR and Gravel and SAND			0.0	
		6.5-7.0	Brown fine SAND	SP	6.5-7.0	0.0	
		7.0-7.5					
		7.5-8.0				0.0	
		8.0-8.5					
		8.5-9.0				0.0	
		9.0-9.5					
		9.5-10.0			0.0		
15.0	100	10.0-10.5	Gray Silty SAND and GRAVEL	SM/GW		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5	Black Gravel and SHELL fragments, wet	GW		0.0	
		13.5-14.0					
14.0-14.5							
14.5-15.0			0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ID009

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks									
20.0	100	15.0-15.5	Black Gravel and SHELL fragments, wet	GW		0.0										
		15.5-16.0														
		16.0-16.5	Dark Gray SAND	SW					0.0							
		16.5-17.0														
		17.0-17.5	MEADOW MAT	Pt								0.0				
		17.5-18.0														
		18.0-18.5														
		18.5-19.0		CL											0.0	
		19.0-19.5	Green gray Silty CLAY													
19.5-20.0																

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ID010

DATE STARTED: 11.13.2013 DATE COMPLETED: 11.13.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE, Gray fine SAND	SP	0.5-1.0	0.0	
		0.5-1.0	Tan SAND medium	SP			
		1.0-1.5					
		1.5-2.0	Dark Gray SAND	SW	2.0-2.5	0.0	
		2.0-2.5	Tan SAND	SW			
		2.5-3.0	Dark Gray fine SAND	SP			
		3.0-3.5					
		3.5-4.0					
		4.0-4.5			4.0-4.5	0.0	
4.5-5.0							
10.0	100	5.0-5.5	Red brown SAND and GRAVEL	SW/GW	6.0-6.5	0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0				8.0-8.5	0.0
		7.0-7.5					
		7.5-8.0					
		8.0-8.5					0.0
		8.5-9.0					
		9.0-9.5					
9.5-10.0			0.0				
15.0	100	10.0-10.5	Dark Gray Silty SAND	SM		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0	Dark Gray Silty SAND and GRAVEL, wet	SM/GW		0.0	
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
14.5-15.0			0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ID010

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Dark Gray Silty SAND	SM		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0	Red brown Sandy CLAY	CL		0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ID011

DATE STARTED: 11.12.2013 DATE COMPLETED: 11.12.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE and Dark Gray fine SAND	SP		0.0	
		0.5-1.0					
		1.0-1.5					
		1.5-2.0	Tan orange SAND, dry	SW	2.0-2.5	0.0	
		2.0-2.5					
		2.5-3.0					
		3.0-3.5	Tan orange SAND, dry (ash-like)	SP	3.0-3.5	0.0	
		3.5-4.0	Dark Gray to Black fine SAND				
		4.0-4.5	Red brown SAND and GRAVEL, COPR nodules	SW/GW		0.0	
4.5-5.0							
10.0		5.0-5.5	EOB rod sheared off in hole				
		5.5-6.0					
		6.0-6.5					
		6.5-7.0					
		7.0-7.5					
		7.5-8.0					
		8.0-8.5					
		8.5-9.0					
		9.0-9.5					
9.5-10.0							
15.0		10.0-10.5					
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - ID011

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5					
		15.5-16.0					
		16.0-16.5					
		16.5-17.0					
		17.0-17.5					
		17.5-18.0					
		18.0-18.5					
		18.5-19.0					
		19.0-19.5					
20.0		19.5-20.0					

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - ID011a

DATE STARTED: 11.19.2013 DATE COMPLETED: 11.19.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE			0.0	
		0.5-1.0	Gray fine SAND and some gravel		0.5-1.0		
		1.0-1.5				0.0	
		1.5-2.0					
		2.0-2.5		SP	2.0-2.5	0.0	
		2.5-3.0					
		3.0-3.5	Yellow medium SAND			0.0	
		3.5-4.0					
		4.0-4.5	Black SAND, ash-like, moist	SW	4.0-4.5	0.0	
4.5-5.0							
10.0	90	5.0-5.5	(COPR not found here but was found in ID011)			0.0	
		5.5-6.0	Black SAND and some gravel		6.0-6.5	0.0	
		6.0-6.5					
		6.5-7.0					
		7.0-7.5	Red brown SAND and some gravel, moist	SW		0.0	
		7.5-8.0					
		8.0-8.5			8.0-8.5	0.0	
		8.5-9.0					
		9.0-9.5	CONCRETE pieces			0.0	
9.5-10.0	No recovery						
15.0	10	10.0-10.5	Brown SAND and moist	SW		0.0	
		10.5-11.0	Very poor recovery				
		11.0-11.5				0.0	
		11.5-12.0					
		12.0-12.5				0.0	
		12.5-13.0					
		13.0-13.5				0.0	
		13.5-14.0					
		14.0-14.5				0.0	
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - ID011a

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	60	15.0-15.5	Brown medium SAND and some gravel (large)	SP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				No recovery	
		18.5-19.0		0.0			
		19.0-19.5		0.0			
		19.5-20.0		0.0			

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429	PP&G - SITE 107 - 18 Chapel Ave.		
SOIL BORING - II008			
	DATE STARTED: 11.20.2013	DATE COMPLETED: 11.20.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	90	0.0-0.5	CONCRETE					
		0.5-1.0	Gray fine SAND, dry, some gravel			0.0		
		1.0-1.5				0.0		
		1.5-2.0				0.0		
		2.0-2.5		Brown fine SAND and COPR Nodules	SP		0.0	20%
		2.5-3.0				0.0	20%	
		3.0-3.5				0.0	10%	
		3.5-4.0					0.0	5%
		4.0-4.5	Dark Brown SAND and GRAVEL					
4.5-5.0	SW/GW	4.0-4.5		0.0				
10.0	100	5.0-5.5	Red brown SAND and large GRAVEL, moist		5.0-5.5	0.0		
		5.5-6.0						
		6.0-6.5			6.0-6.5	0.0		
		6.5-7.0						
		7.0-7.5		SW/GP	7.0-7.5	0.0		
		7.5-8.0						
		8.0-8.5					0.0	
		8.5-9.0						
		9.0-9.5						
9.5-10.0				0.0				
15.0	100	10.0-10.5	Dark Gray SAND and some gravel			0.0		
		10.5-11.0						
		11.0-11.5				0.0		
		11.5-12.0	Brown SAND mottled Yellow, wet	SW			0.0	
		12.0-12.5					0.0	
		12.5-13.0					0.0	
		13.0-13.5					0.0	
		13.5-14.0					0.0	
		14.0-14.5					0.0	
14.5-15.0	Dark Gray fine SAND	SP			0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - II008

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown SAND and GRAVEL, wet	SW/GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0	Dark Gray SILT, wet	ML	0.0		
		19.0-19.5			0.0		
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - II009

DATE STARTED: 11.22.2013 DATE COMPLETED: 11.22.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	CONCRETE and Black medium SAND, ash-like	SP		0.0		
		0.5-1.0			0.5-1.0			
		1.0-1.5				0.0		
		1.5-2.0						
		2.0-2.5			2.0-2.5	0.0		
		2.5-3.0						
		3.0-3.5				0.0		
		3.5-4.0						
10.0	100	4.0-4.5	Red brown SAND, some gravel	SW		0.0		
		4.5-5.0						
		5.0-5.5			5.0-5.5	0.0		
		5.5-6.0						
		6.0-6.5			6.0-6.5	0.0		
		6.5-7.0						
		7.0-7.5			BRICK material			0.0
		7.5-8.0			CONCRETE debris and Black SAND and GRAVEL, wet	SW/GW		8.0-8.5
8.0-8.5								
8.5-9.0								
9.0-9.5		0.0						
15.0	100	9.5-10.0	Black GRAVEL, fine to medium SAND, saturated	GW/SP		0.0		
		10.0-10.5						
		10.5-11.0				0.0		
		11.0-11.5						
		11.5-12.0				0.0		
		12.0-12.5						
		12.5-13.0				0.0		
		13.0-13.5						
13.5-14.0		0.0						
15.0	100	14.0-14.5						
		14.5-15.0				0.0		



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - II009

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown SAND, saturated, little gravel	SW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - JD002

DATE STARTED: 11.19.2013 DATE COMPLETED: 11.19.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE			0.0	30%
		0.5-1.0	Gray fine SAND and some gravel	SP	0.5-1.0	0.0	
		1.0-1.5			1.0-1.5		
		1.5-2.0					
		2.0-2.5	CONCRETE			0.0	
		2.5-3.0	Brown SAND, COPR nodules	SW	3.0-3.5	0.0	
		3.0-3.5			Dark Gray SAND and WOOD	3.0-3.5	
		3.5-4.0	Red brown SAND and GRAVEL	SW/GW	4.0-4.5	0.0	
		4.0-4.5			4.0-4.5	0.0	
4.5-5.0							
10.0	90	5.0-5.5	Dark Gray SILT and GRAVEL, ash-like coal	ML/GW	5.0-5.5	0.0	
		5.5-6.0			6.0-6.5	0.0	
		6.0-6.5			6.5-7.0		
		6.5-7.0					
		7.0-7.5	WOOD with mothball odor		7.0-7.5	0.0	
		7.5-8.0	Dark Gray SILT	ML		0.0	
		8.0-8.5	Red brown SAND and GRAVEL	SW/GW		0.0	
		8.5-9.0				0.0	
		9.0-9.5				0.0	
9.5-10.0							
15.0	100	10.0-10.5	Red brown SAND and some large gravel, moist	SW		0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
		14.0-14.5				0.0	
14.5-15.0				0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - JD002

			PAGE: 2 of 2				
DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown SAND and some gravel	SW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - JD003

DATE STARTED: 11.13.2013 DATE COMPLETED: 11.13.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	50	0.0-0.5	Dark Gray SAND , dry	SW		0.0	
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
		2.0-2.5					
		2.5-3.0	End of Boring (refusal)				
		3.0-3.5					
		3.5-4.0					
		4.0-4.5					
		4.5-5.0					
10.0		5.0-5.5				0.0	
		5.5-6.0				0.0	
		6.0-6.5				0.0	
		6.5-7.0				0.0	
		7.0-7.5				0.0	
		7.5-8.0				0.0	
		8.0-8.5				0.0	
		8.5-9.0				0.0	
		9.0-9.5				0.0	
		9.5-10.0				0.0	
15.0		10.0-10.5				0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
		14.0-14.5				0.0	
		14.5-15.0				0.0	



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - JD003

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5					
		15.5-16.0				0.0	
		16.0-16.5					
		16.5-17.0				0.0	
		17.0-17.5					
		17.5-18.0				0.0	
		18.0-18.5					
		18.5-19.0				0.0	
		19.0-19.5					
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - JD003a			
DATE STARTED: 11.19.2013		DATE COMPLETED: 11.19.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE			0.0	
		0.5-1.0	Dark gray fine SAND and some gravel	SP		0.0	
		1.0-1.5				0.0	
		1.5-2.0				0.0	
		2.0-2.5	CONCRETE			0.0	
		2.5-3.0	Brown fine SAND and some gravel	SP		0.0	
		3.0-3.5				0.0	
		3.5-4.0				0.0	
		4.0-4.5	Brown fine SAND and COPR Nodules			0.0	40%
4.5-5.0				0.0	30%		
10.0	60	5.0-5.5	Gray fine SAND and large GRAVEL	SP/GP	5.0-5.5	0.0	
		5.5-6.0				0.0	
		6.0-6.5	Black fine SAND, moist	SP	6.0-6.5	0.0	
		6.5-7.0	Red brown SAND and some gravel	SW		0.0	
		7.0-7.5			7.0-7.5	0.0	
		7.5-8.0				0.0	
		8.0-8.5	No recovery			0.0	
		8.5-9.0				0.0	
		9.0-9.5				0.0	
9.5-10.0				0.0			
15.0	100	10.0-10.5	Dark Gray GRAVEL, saturated with some sand	GW	10.0-10.5	0.0	
		10.5-11.0				0.0	
		11.0-11.5			11.0-11.5	0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
		14.0-14.5	Gray SILT, wet	ML		0.0	
14.5-15.0			0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - JD003a

DEPTH (ft)		RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
20.0		100	15.0-15.5	Gray SILT, wet	ML		0.0		
			15.5-16.0				0.0		
				16.0-16.5	Red brown medium SAND and some gravel		SP		0.0
				16.5-17.0					0.0
				17.0-17.5					0.0
				17.5-18.0					0.0
				18.0-18.5					0.0
				18.5-19.0					0.0
				19.0-19.5					0.0
				19.5-20.0					0.0

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - JD004

DATE STARTED: 11.19.2013 DATE COMPLETED: 11.19.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks		
5.0	50	0.0-0.5	CONCRETE, dark Gray fine SAND and GRAVEL	SP/GP	0.5-1.0 1.0-1.5	0.0			
		0.5-1.0							
		1.0-1.5							
				1.5-2.0	Brown SAND and GRAVEL	SW/GW		0.0	
				2.0-2.5	CONCRETE stained yellow			0.0	
				2.5-3.0	End of Boring			0.0	
				3.0-3.5				0.0	
				3.5-4.0				0.0	
				4.0-4.5				0.0	
				4.5-5.0				0.0	
10.0		5.0-5.5				0.0			
		5.5-6.0				0.0			
		6.0-6.5				0.0			
		6.5-7.0				0.0			
		7.0-7.5				0.0			
		7.5-8.0				0.0			
		8.0-8.5				0.0			
		8.5-9.0				0.0			
		9.0-9.5				0.0			
9.5-10.0				0.0					
15.0		10.0-10.5				0.0			
		10.5-11.0				0.0			
		11.0-11.5				0.0			
		11.5-12.0				0.0			
		12.0-12.5				0.0			
		12.5-13.0				0.0			
		13.0-13.5				0.0			
		13.5-14.0				0.0			
		14.0-14.5				0.0			
14.5-15.0				0.0					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - JD004

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0		15.0-15.5				0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - JD004b

DATE STARTED: 11.22.2013 DATE COMPLETED: 11.22.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	90	0.0-0.5	CONCRETE	SW		0.0	5%	
		0.5-1.0	Brown SAND and trace COPR Nodules			0.0		
		1.0-1.5				0.0	5%	
		1.5-2.0	CONCRETE debris			0.0		
		2.0-2.5				0.0		
		2.5-3.0				0.0		
		3.0-3.5	Brown SAND and some gravel	SW		3.0-3.5	0.0	
		3.5-4.0					0.0	
		4.0-4.5				4.0-4.5	0.0	
4.5-5.0		Refusal @ 5 ft.			0.0			
10.0		5.0-5.5				0.0		
		5.5-6.0				0.0		
		6.0-6.5				0.0		
		6.5-7.0				0.0		
		7.0-7.5				0.0		
		7.5-8.0				0.0		
		8.0-8.5				0.0		
		8.5-9.0				0.0		
		9.0-9.5				0.0		
9.5-10.0				0.0				
15.0		10.0-10.5				0.0		
		10.5-11.0				0.0		
		11.0-11.5				0.0		
		11.5-12.0				0.0		
		12.0-12.5				0.0		
		12.5-13.0				0.0		
		13.0-13.5				0.0		
		13.5-14.0				0.0		
		14.0-14.5				0.0		
14.5-15.0				0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - JD004b

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0		15.0-15.5				0.0	
		15.5-16.0					
		16.0-16.5				0.0	
		16.5-17.0					
		17.0-17.5				0.0	
		17.5-18.0					
		18.0-18.5				0.0	
		18.5-19.0					
		19.0-19.5				0.0	
			19.5-20.0				

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - KD001

DATE STARTED: 11.21.2013 DATE COMPLETED: 11.21.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	CONCRETE			0.0		
		0.5-1.0	Brown SAND and GRAVEL	SW/GW	0.5-1.0			
		1.0-1.5			1.0-1.5			
		1.5-2.0						
		2.0-2.5	Brown medium SAND and COPR Nodules	SP	2.0-2.5	0.0		20%
		2.5-3.0				20%		
		3.0-3.5	CONCRETE debris, slightly Yellow staining			0.0		20%
		3.5-4.0	Brown SAND and COPR Nodules	SW				
		4.0-4.5	Tan fine SAND, clean	SP		0.0		
4.5-5.0		4.5-5.0						
10.0	100	5.0-5.5	Gray SAND some gravel, medium gravel, dry	SW		0.0		
		5.5-6.0			5.5-6.0			
		6.0-6.5	Brown fine SAND and some gravel. Moist	SP		0.0		
		6.5-7.0			6.5-7.0			
		7.0-7.5			Red brown fine SAND, moist some gravel			0.0
		7.5-8.0	7.5-8.0					
		8.0-8.5		0.0				
		8.5-9.0	8.5-9.0					
		9.0-9.5			0.0			
9.5-10.0			0.0					
15.0	90	10.0-10.5	Red brown fine SAND, some gravel, wet	SP		0.0		
		10.5-11.0						
		11.0-11.5				0.0		
		11.5-12.0						
		12.0-12.5	Red brown fine SAND, some large gravel, saturated			0.0		
		12.5-13.0				0.0		
		13.0-13.5				0.0		
		13.5-14.0				0.0		
		14.0-14.5				0.0		
14.5-15.0			0.0					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - KD001

			PAGE: 2 of 2				
DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	80	15.0-15.5	Red brown fine SAND, some large gravel, saturated	SP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - KD002

DATE STARTED: 11.21.2013 DATE COMPLETED: 11.21.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE	SP		0.0	5%
		0.5-1.0	Brown fine SAND, gravel and trace COPR nodules				
		1.0-1.5					
		1.5-2.0					
		2.0-2.5					
		2.5-3.0					
		3.0-3.5	6" of slightly Yellow CONCRETE debris				
		3.5-4.0	Brown fine SAND and some gravel, dry				
10.0	80	4.0-4.5		SP		0.0	
		4.5-5.0					
		5.0-5.5					
		5.5-6.0					
		6.0-6.5					
		6.5-7.0	Red brown fine to medium SAND and some gravel, moist				
		7.0-7.5					
		7.5-8.0					
15.0	60	8.0-8.5		SP		0.0	
		8.5-9.0					
		9.0-9.5					
		9.5-10.0					
		10.0-10.5	Red brown medium to coarse SAND and some large gravel, wet				
		10.5-11.0					
		11.0-11.5					
		11.5-12.0					
12.0-12.5							
12.5-13.0							
13.0-13.5							
13.5-14.0							
14.0-14.5	Red brown medium to coarse SAND, saturated						
14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - KD002

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	90	15.0-15.5	Red brown medium to coarse SAND, saturated	SP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - KD004

DATE STARTED: 11.18.2013 DATE COMPLETED: 11.18.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks		
5.0	60	0.0-0.5	CONCRETE	SW		0.0	20%		
		0.5-1.0	Brown SAND and some gravel						
		1.0-1.5							
		1.5-2.0							
		2.0-2.5	Brown SAND and some gravel some COPR -3"						
		2.5-3.0	CONCRETE						
		3.0-3.5	No recovery						
		3.5-4.0							
		4.0-4.5							
		4.5-5.0							
10.0	100	5.0-5.5	Gravel Dark gray and SAND, moist	SW	5.0-5.5	0.0			
		5.5-6.0			6.0-6.5	0.0			
		6.0-6.5							
		6.5-7.0	WOOD	ML					
		7.0-7.5	Brown SILT, some gravel, wet		7.0-7.5	0.0			
		7.5-8.0							
		8.0-8.5			8.0-8.5	0.0			
		8.5-9.0							
		9.0-9.5			9.0-9.5	0.0			
		9.5-10.0							
15.0	100	10.0-10.5	Brown SILT and GRAVEL, wet	ML/GW		0.0			
		10.5-11.0							
		11.0-11.5							
		11.5-12.0	Red brown SAND and some gravel, moist (Large gravel)	SW					0.0
		12.0-12.5							0.0
		12.5-13.0							
		13.0-13.5							0.0
		13.5-14.0							
		14.0-14.5							0.0
		14.5-15.0							



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - KD004

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown SAND and some gravel, moist (Large gravel)	SW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - KD005

DATE STARTED: 11.13.2013 DATE COMPLETED: 11.13.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	Dark Gray SAND	SW	1.0-1.5	0.0	
		0.5-1.0				0.0	
		1.0-1.5				0.0	
		1.5-2.0	Dark Gray SAND Concrete piece with Yellow green stains			0.0	
		2.0-2.5		0.0			
		2.5-3.0	Red brown Silty SAND	SM		0.0	
		3.0-3.5			0.0		
		3.5-4.0			0.0		
		4.0-4.5	Dark Gray SILT, ash-like	ML	4.0-4.5	0.0	
		4.5-5.0			0.0		
10.0		5.0-5.5				0.0	
		5.5-6.0				0.0	
		6.0-6.5	End of Boring (refusal at 6 ft.)			0.0	
		6.5-7.0				0.0	
		7.0-7.5				0.0	
		7.5-8.0				0.0	
		8.0-8.5				0.0	
		8.5-9.0				0.0	
		9.0-9.5				0.0	
		9.5-10.0				0.0	
15.0		10.0-10.5				0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
14.0-14.5		0.0					
14.5-15.0		0.0					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - KD005

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
		15.0-15.5					
		15.5-16.0				0.0	
		16.0-16.5					
		16.5-17.0				0.0	
		17.0-17.5					
		17.5-18.0				0.0	
		18.0-18.5					
		18.5-19.0				0.0	
		19.0-19.5					
		19.5-20.0				0.0	
20.0							

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Kyle

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - KD005a			
DATE STARTED: 11.22.2013		DATE COMPLETED: 11.22.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	80	0.0-0.5	CONCRETE			0.0	
		0.5-1.0	Brown fine to medium SAND with trace COPR nodules	SP			5%
		1.0-1.5					5%
		1.5-2.0	CONCRETE debris			0.0	
		2.0-2.5				0.0	
		2.5-3.0	Brown fine SAND, gravel, COPR nodules	SP			10%
		3.0-3.5					5%
		3.5-4.0	CONCRETE debris (no soil to collect sample)			0.0	
		4.0-4.5				0.0	
4.5-5.0				0.0			
10.0	80	5.0-5.5	Red brown SAND, some gravel, moist	SW	5.0-5.5	0.0	
		5.5-6.0					
		6.0-6.5			6.0-6.5	0.0	
		6.5-7.0					
		7.0-7.5			7.0-7.5	0.0	
		7.5-8.0					
		8.0-8.5			8.0-8.5	0.0	
		8.5-9.0					
		9.0-9.5					
9.5-10.0			0.0				
15.0	100	10.0-10.5	Dark Gray black GRAVEL and SILT, saturated	GW/ML		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0				0.0	
		12.0-12.5					
		12.5-13.0				0.0	
		13.0-13.5					
		13.5-14.0				0.0	
14.0-14.5							
14.5-15.0			0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - KD005a

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown SAND and large GRAVEL, wet	SW/GP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - LD001

DATE STARTED: 11.19.2013 DATE COMPLETED: 11.19.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks	
5.0	100	0.0-0.5	CONCRETE	SP		0.0		
		0.5-1.0	Brown fine SAND, dry some gravel					
		1.0-1.5						
		1.5-2.0						
		2.0-2.5						
		2.5-3.0						
		3.0-3.5	Pulverized CONCRETE	SP				0.0
		3.5-4.0	Brown fine SAND, dry					0.0
		4.0-4.5						0.0
4.5-5.0								
10.0		5.0-5.5	End of Boring (refusal)					
		5.5-6.0						
		6.0-6.5						
		6.5-7.0						
		7.0-7.5						
		7.5-8.0						
		8.0-8.5						
		8.5-9.0						
		9.0-9.5						
9.5-10.0								
15.0		10.0-10.5						
		10.5-11.0						
		11.0-11.5						
		11.5-12.0						
		12.0-12.5						
		12.5-13.0						
		13.0-13.5						
		13.5-14.0						
		14.0-14.5						
14.5-15.0								



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - LD001

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0		15.0-15.5					
		15.5-16.0					
		16.0-16.5					
		16.5-17.0					
		17.0-17.5					
		17.5-18.0					
		18.0-18.5					
		18.5-19.0					
		19.0-19.5					
		19.5-20.0					

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - LD001a

DATE STARTED: 11.22.2013 DATE COMPLETED: 11.22.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	90	0.0-0.5	CONCRETE	SW		0.0	20%
		0.5-1.0	Brown SAND and COPR nodules				
		1.0-1.5					
		1.5-2.0		SP		0.0	
		2.0-2.5	CONCRETE debris and Brown fine SAND, moist				
		2.5-3.0					
		3.0-3.5					
		3.5-4.0					
		4.0-4.5					
4.5-5.0			0.0				
10.0	80	5.0-5.5	Dark Brown SAND and some gravel	SW		0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0		ML		0.0	
		7.0-7.5	Gray green SILT and gravel, wet				
		7.5-8.0					
		8.0-8.5					
		8.5-9.0					
		9.0-9.5	Red brown SAND, saturated, some gravel				
9.5-10.0			0.0				
15.0	100	10.0-10.5		SW		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0	Red brown fine to medium SAND and some gravel, wet	SP		0.0	
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
14.5-15.0			0.0				



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - LD001a

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Red brown fine to medium SAND and some gravel, wet	SP		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - LD003

DATE STARTED: 11.18.2013 DATE COMPLETED: 11.18.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE			0.0	40%
		0.5-1.0	Dark Gray SILT and GRAVEL	ML/GW	0.5-1.0	0.0	
		1.0-1.5			1.0-1.5		
		1.5-2.0					
		2.0-2.5	CONCRETE (-6")			0.0	
		2.5-3.0	Yellow SAND	SW		0.0	
		3.0-3.5	Black ash-like SILT	ML		0.0	
		3.5-4.0	Yellow SAND, medium		3.5-4.0		
		4.0-4.5	Red brown COPR nodules, silt				
4.5-5.0	Red brown SAND and GRAVEL	SW/GW	4.5-5.0	0.0			
10.0	100	5.0-5.5	Yellow SAND with black layers, moist	SW		0.0	
		5.5-6.0			5.5-6.0		
		6.0-6.5	Red brown SAND and GRAVEL	SW/GW		0.0	
		6.5-7.0			6.5-7.0		
		7.0-7.5			Brown SAND and GRAVEL		0.0
		7.5-8.0			7.5-8.0	0.0	
		8.0-8.5	Gray SILT, moist	ML		0.0	
		8.5-9.0			8.5-9.0		
		9.0-9.5				0.0	
9.5-10.0							
15.0	100	10.0-10.5	Gray SILT, saturated	MH		0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0				0.0	
14.0-14.5		0.0					
14.5-15.0		0.0					



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 PP&G - SITE 107 - 18 Chapel Ave.
SOIL BORING - LD003

				PAGE: 2 of 2			
DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	70	15.0-15.5	Red orange SILT, saturated	MH		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	Gray GRAVEL	GW		0.0	
		17.5-18.0	Red brown SAND and GRAVEL	SW/GW		0.0	
		18.0-18.5				0.0	
		18.5-19.0	No recovery			0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - LD004

DATE STARTED: 11.18.2013 DATE COMPLETED: 11.18.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE	SP		0.0	
		0.5-1.0	Dark Gray SAND, CONCRETE pieces stained yellow				
		1.0-1.5					
		1.5-2.0					
		2.0-2.5	Brown fine SAND, dry				
		2.5-3.0					
		3.0-3.5					
		3.5-4.0					
		4.0-4.5	Red brown SAND and GRAVEL, some COPR				
4.5-5.0							
10.0	100	5.0-5.5	Red brown SILT and GRAVEL, moist	ML/GW	5.0-5.5	0.0	
		5.5-6.0					
		6.0-6.5					
		6.5-7.0		ML/GW	6.0-6.5	0.0	
		7.0-7.5	Dark brown SILT and GRAVEL, moist				
		7.5-8.0					
		8.0-8.5		ML/GW	8.0-8.5	0.0	
		8.5-9.0					
		9.0-9.5					
9.5-10.0							
15.0	100	10.0-10.5	Gray green SILT, wet	MH		0.0	
		10.5-11.0					
		11.0-11.5					
		11.5-12.0	Gray green SILT, wet				
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0	Red brown SAND and GRAVEL, bricks, wet	SW/GW		0.0	
		14.0-14.5					
14.5-15.0				0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - LD004

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Brown SILT and GRAVEL, saturated	MH/GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5	Red brown SAND and GRAVEL	SW/GW		0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429		PP&G - SITE 107 - 18 Chapel Ave.	
SOIL BORING - LD005			
DATE STARTED: 11.18.2013		DATE COMPLETED: 11.18.2013	
Northing:	Easting:	Elevation:	TOTAL DEPTH: 20.0 Ft
Geologist: Jeff Alexander			
DRILLING METHOD: 2" Macro Core Track mounted Geoprobe		PAGE: 1 of 2	

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE			0.0	
		0.5-1.0	Brown fine SAND and GRAVEL, dry	SP/GP	0.5-1.0	0.0	
		1.0-1.5				0.0	
		1.5-2.0	CONCRETE debris			0.0	
		2.0-2.5				0.0	
		2.5-3.0				0.0	
		3.0-3.5	Brown fine SAND, dry	SP		0.0	
		3.5-4.0	CONCRETE			0.0	
		4.0-4.5	Red brown fine SAND and GRAVEL, trace COPR	SP/GW	4.0-4.5	0.0	5%
4.5-5.0	4.5-5.0	0.0				5%	
10.0	100	5.0-5.5	CONCRETE debris			0.0	
		5.5-6.0	Brown SAND and GRAVEL, dry	SW/GW	5.5-6.0	0.0	
		6.0-6.5				0.0	
		6.5-7.0	Red brown SILT and GRAVEL, moist	ML/GW	6.5-7.0	0.0	
		7.0-7.5				0.0	
		7.5-8.0				0.0	
		8.0-8.5				0.0	
		8.5-9.0	Gray SILT, mottled brown	ML	8.5-9.0	0.0	
		9.0-9.5				0.0	
9.5-10.0	9.5-10.0	0.0					
15.0	100	10.0-10.5	Gray green SILT, moist	ML		0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0	Gray green SILT, wet to saturated	MH		0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0	Gray green mottled orange SILT			0.0	
		14.0-14.5				0.0	
14.5-15.0	Orange fine SAND, wet	SP		0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - LD005

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Orange fine SAND and GRAVEL, saturated	SP/GW		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - LD006

DATE STARTED: 11.13.2013 DATE COMPLETED: 11.13.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE Gray SAND and GRAVEL	SP/GP		0.0	
		0.5-1.0				0.0	
		1.0-1.5				0.0	
		1.5-2.0				0.0	
		2.0-2.5	Yellow tan SAND	SW	3.0-3.5	0.0	
		2.5-3.0				0.0	
		3.0-3.5				0.0	
		3.5-4.0	Black SILT ash-like	ML	4.0-4.5	0.0	
		4.0-4.5				0.0	
		4.5-5.0	Red brown COPR				
10.0	100	5.0-5.5	Gray SAND and GRAVEL	SW/GW		0.0	
		5.5-6.0				5.5-6.0	0.0
		6.0-6.5				6.5-7.0	0.0
		6.5-7.0				7.5-8.0	0.0
		7.0-7.5	WOOD			0.0	
		7.5-8.0				0.0	
		8.0-8.5	Dark Gray ash-like soft, GRAVEL	GW		0.0	
		8.5-9.0				8.5-9.0	0.0
		9.0-9.5				9.5-10.0	0.0
		9.5-10.0				0.0	
15.0	100	10.0-10.5	Gray green Silty CLAY	CL		0.0	
		10.5-11.0				0.0	
		11.0-11.5				0.0	
		11.5-12.0				0.0	
		12.0-12.5				0.0	
		12.5-13.0				0.0	
		13.0-13.5				0.0	
		13.5-14.0	Orange CLAY, moist			0.0	
		14.0-14.5				0.0	
14.5-15.0				0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - LD006

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
▼ 20.0	100	15.0-15.5	Orange CLAY, wet	CH		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: John Brass

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - LD007

DATE STARTED: 11.12.2013 DATE COMPLETED: 11.12.2013
 Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft
 Geologist: Jeff Alexander
 DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks			
5.0	100	0.0-0.5	CONCRETE	SP		0.0	15% 30%			
		0.5-1.0	Brown fine SAND, some gravel							
		1.0-1.5								
		1.5-2.0								
		2.0-2.5								
		2.5-3.0								
		3.0-3.5								
		3.5-4.0	Brown fine SAND, some gravel, COPR Nodules							
		4.0-4.5	Yellow SAND							
		4.5-5.0	Dark Gray SAND					SW	4.0-4.5	0.0
10.0	100	5.0-5.5	Red brown SAND and GRAVEL, moist	SW/GW		0.0				
		5.5-6.0								
		6.0-6.5								
		6.5-7.0								
		7.0-7.5								
		7.5-8.0								
		8.0-8.5								
		8.5-9.0								
		9.0-9.5	Tan SAND, moist							
		9.5-10.0						SW		0.0
15.0	100	10.0-10.5	Black GRAVEL and SILT, saturated	GW/ML		0.0				
		10.5-11.0								
		11.0-11.5								
		11.5-12.0								
		12.0-12.5								
		12.5-13.0								
		13.0-13.5	Dark Gray SILT					ML		0.0
		13.5-14.0								
14.0-14.5	Green mottled with Orange CLAY	CL		0.0						
14.5-15.0										



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429

PP&G - SITE 107 - 18 Chapel Ave.

SOIL BORING - LD007

PAGE:

2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Green mottled with Orange CLAY	CL		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0				0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0			0.0		

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**

SOIL BORING - LD008a

DATE STARTED: 11.19.2013 DATE COMPLETED: 11.19.2013

Northing: Easting: Elevation: TOTAL DEPTH: 20.0 Ft

Geologist: Jeff Alexander

DRILLING METHOD: 2" Macro Core Track mounted Geoprobe PAGE: 1 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
5.0	100	0.0-0.5	CONCRETE, light brown fine SAND, some gravel, dry	SP		0.0	
		0.5-1.0					
		1.0-1.5					
		1.5-2.0					
		2.0-2.5					
		2.5-3.0	CONCRETE		0.0		
		3.0-3.5	Brown fine SAND, COPR nodules	SP		0.0	
		3.5-4.0	Red brown SILT and some gravel	ML	4.0-4.5	0.0	
		4.0-4.5					
4.5-5.0							
10.0	100	5.0-5.5	light brown fine SAND, some gravel	SP	5.0-5.5	0.0	
		5.5-6.0					
		6.0-6.5	Red brown SILT and some large gravel	ML	6.0-6.5	0.0	
		6.5-7.0					
		7.0-7.5					
		7.5-8.0					
		8.0-8.5					
		8.5-9.0					
		9.0-9.5					
9.5-10.0				0.0			
15.0	100	10.0-10.5	Red brown SILT and some large gravel	ML		0.0	
		10.5-11.0					
		11.0-11.5	Black GRAVEL, saturated	GW		0.0	
		11.5-12.0					
		12.0-12.5					
		12.5-13.0					
		13.0-13.5					
		13.5-14.0					
		14.0-14.5					
14.5-15.0				0.0			



200 Horizon Center Blvd
 Trenton, NJ 08691
 Phone: (609) 584 8900
 Fax: (609) 689-7771

SOIL BORING LOG

PROJECT NUMBER: 146429 **PP&G - SITE 107 - 18 Chapel Ave.**
SOIL BORING - LD008a

PAGE: 2 of 2

DEPTH (ft)	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	remarks
20.0	100	15.0-15.5	Dark gray SILT, wet	MH		0.0	
		15.5-16.0				0.0	
		16.0-16.5				0.0	
		16.5-17.0	Red brown fine SAND, saturated	SP		0.0	
		17.0-17.5				0.0	
		17.5-18.0				0.0	
		18.0-18.5				0.0	
		18.5-19.0				0.0	
		19.0-19.5				0.0	
		19.5-20.0				0.0	

NOTES:

Drilling Contractor: EPI
 Drilling Equipment: Truck Mounted Geoprobe
 Driller: Warren

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface