

**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	29	0.0	0.0	6		Black mf SAND, some Silt, trace Gravel and Roots.			-6
4.5				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		1.5		Black cf SAND and GRAVEL, trace Silt.			
2.0			2	CONCRETE, little Sand.					
3.0			3	Dark gray brown cf SAND, little Gravel, trace Silt and COPR.					
3.5			3.5	Dark gray mf SAND, some Gravel, trace COPR and Silt, moist.					
4.0			4	Black mf SAND, some Silt, little Gravel, trace Plastic, Ash, Wood, and COPR.					
4.5			5	Brown gray fine SAND, some Silt, little Gravel, trace yellow Silt (chrome?)					
5.0			6	Red brown fine SAND and SILT, little to some Gravel.					
			7	Red brown GRAVEL, some Sand, little Silt.					
			8						
			9						
		10							
		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.			
				1		Brown to black of SAND, some Gravel, little Silt, trace COPR.			
1.0						Brown GRAVEL, little Sand, trace Silt, wet.			
1.5				2		Black of SAND and GRAVEL, little Silt, wet.			
2.5		58	0.0	3		Brown f SAND, some Gravel, little Silt, wet.			
3.0				4		Brown f SAND, little Silt, trace Gravel, wet.			
3.5									
4.0				5		Red-brown f SAND, some Silt, little Gravel, wet.			
REP 121311-1				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: 12/13/2011  
 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						Brown SILT, little to some Sand, trace Gravel and roots.			
						Black mf SAND, little Silt, little Gravel, trace COPR.			
1.0				1		Red brown mf SAND, some Silt, trace Gravel and COPR.		-1	
						Orange brown SILT, little Clay, trace Sand, moist.			
1.5									
				2				-2	
2.5	50		0.0						
				3				-3	
3.0				1					
				4			Black GRAVEL, ASH, and CINDER, little Sand, trace Silt, plastic and glass.		-4
3.5						Gray fine SAND, little to some Silt.			
				5		Yellow mf SAND, little Silt.			
4.0						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  
**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 and Gravel, trace roots.			
				1		Brown fine SAND, some Silt, trace Gravel.			
1.0									
1.5				2					
		46	0.0				Brown SILT, trace fine Sand and Gravel, wet.	Wet	
2.5				3			Black GRAVEL, ASH, and CINDERS, some Sand, trace Silt.		
3.0				4			Gray fine SAND, some to little Silt, trace Gravel.		
3.5									
4.0				5		Gray and brown fine SAND, little Silt.			

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				-4	
4.0						Black of SAND, some Silt, little Gravel, trace Roots, wet.			
				5		Gray Silty CLAY, trace Sand, wet.		-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\_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			
0.5	46			1		Red-brown SILT, little f Sand, little to trace Gravel.	trace COPR		-1
1.0				2		Black of SAND, some Gravel, trace Ash, Cinders, trace Silt, trace Glass.			
1.5				3		Orange-brown to red-brown f SAND, little Silt, little Gravel, trace COPR, wet.			
2.0				4		Yellow-brown cm SAND, trace Gravel, trace COPR.			
2.5				5		Orange-brown SILT, trace Sand.			
3.0				6		Black of SAND and GRAVEL, some Ash and Cinders, trace Slag, trace Silt.			
3.5				7		Brown SILT, some f Sand, trace Gravel.			
4.0				8		Gray clayey SILT, little f Sand, trace Gravel.			
4.5				9		Brown silty CLAY, little f Sand, trace Gravel.			
5.0				10		Brown clayey SILT, little f Sand.			
6.0	42			2					-7
7.0				3					
8.0									
9.0									
REP 121211-4				3					-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: 12/12/11  
 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			
0.5	46	0.0	0.0	1		Brown SILT, trace f Sand, trace Roots, trace Gravel. Dark red-brown of SAND, some COPR, trace Gravel, trace Silt.	some COPR (70%)  trace Hexavalent Chromium		-1
1.0				2		Brown SILT, trace f Sand, trace Gravel, wet.			-2
1.5				3		Brown c SAND, little Silt, little Gravel.			-3
2.0				4		Black cf SAND, little Gravel, trace Silt, trace Ash and Cinders.			-4
2.5				5		Brown to Red-brown f SAND, some Silt, little Gravel.			-5
3.0				6		Brown to gray clayey SILT, little f Sand, moist.			-6
3.5				7		Gray f SAND and SILT, trace Gravel.			-7
4.0				8		Brown silty CLAY, trace Sand, trace Gravel.			-8
4.5				9		Gray to brown silty CLAY, some Silt, trace Gravel.			-9
5.0				10					-10
6.0	41	0.0	0.0	2		Gray f SAND and SILT, trace Gravel.			
7.0				8		Brown silty CLAY, trace Sand, trace Gravel.			
8.0				9		Gray to brown silty CLAY, some Silt, trace Gravel.			
REP 121211-3				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: 12/12/11  
 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				Formation
0.5		42		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					3		Brown f SAND, some Silt, trace Gravel.			-3
3.0							Brown to gray Silty Clay, trace to little f Sand.			-4
3.5		38		4					-5	
4.0					5					-6
4.5					6					-7
5.0					7		Brown to blue SILT, little f Sand, mottled.			-8
6.0				8					-9	
				9					-10	
				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				Formation
0.5	55			1		Brown SILT, little Sand, trace Gravel, trace Roots.		trace COPR	-1	
1.0						Red-brown of SAND, little Gravel, trace Silt, trace COPR.				-1
1.5						Brown SILT, trace Sand, trace Gravel, wet.				-2
2.0						Brown of SAND, little to some Gravel, trace Silt, trace Hex. Chrome.				-3
2.5						Black of SAND and GRAVEL, some Ash and Cinders, trace Slag, trace Silt.				-4
3.0						Brown to red-brown f SAND and SILT, some Gravel.				-5
3.5						Gray-brown f SAND, some Silt, trace Gravel.				-6
4.0						Dark-brown f SAND, some Silt, trace to little Gravel.				-7
4.5						Gray Clayey SILT, trace Sand, trace Gravel.				-8
5.0						Gray SILT, some brown f Sand.				-9
6.0	44			2		Gray Clayey SILT, trace Sand, trace Gravel.			-7	
7.0						Gray SILT, some brown f Sand.				-8
8.0										-9
9.0										-10
10.0										-11
REP 121211-5				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: 12/12/11  
 Date Finish: 12/12/11  
 Checked By: GG  
 Sheet 1 of 1




## Soil Boring/Well Details: 107\_M028E2

**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:** 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			
0.0	31	0.0	0.0	1		Brown to dark brown mf SAND and SILT, trace Roots, trace Gravel.		trace COPR	-1
0.5						Brown mf SAND, trace Gravel, trace Silt.			
1.0						Red-brown GRAVEL, little Sand and Silt.			
1.5						Orange-brown to red-brown f SAND, trace Gravel, trace COPR, wet.			
2.0						Black cm SAND, trace Gravel, trace Ash.			
2.5						Red-brown mf SAND, some Silt and Gravel.			
3.0									
				2					
				3					
				4					
				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\_M028W

**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:** 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			
0.0						Brown SILT, little Sand, trace Gravel, trace Roots, trace COPR.			
0.5				1		Red-brown c SAND, some Silt, trace Gravel, trace to little COPR.			
1.0						Brown SILT, little f Sand, trace Gravel.			
1.5									
2.0	46		0.0	2					
2.5						Black cf SAND, little Gravel, trace Ash and Cinders, trace Slag, trace Cinders, wet.			
3.0				3		Red-brown f SAND, some Gravel, little to trace Silt, (Till).			
REP 121211-2				4	Gray to brown f SAND and SILT, trace Gravel, wet.				
				5					
				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: 12/12/11  
 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				Formation
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
1.0				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

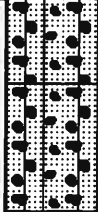



Casing Diameter: NA  
 Date Start: 12/13/11  
 Date Finish: 12/13/11  
 Checked By: GG  
 Sheet 1 of 1

## Soil Boring/Well Details: 107\_MO34N

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

**Northing:** 0  
**Eastng:** 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						
			151	9					
			9999			Reddish-brown SILT and GRAVEL, moist.	-9		
			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	
			21.0	9	Reddish-brown Sandy SILT, some Gravel.			-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			
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			
3.0				Orange brown SILT, trace fine Sand, trace Gravel, wet.		-4			
				Red fine SAND, some Silt, trace Gravel, wet.		-5			
4.0				Wood.		-6			
4.5				Black mf SAND, some Silt, trace Gravel, trace Plastic, trace Roots, trace Cinders, wet.		-7			
5.0				Brown fine SAND, some Silt, little Gravel, wet.		-8			
				Red brown fine SAND, some Silt, little Gravel, wet..		-9			
						-10			
	25	25	1.7	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				Formation
1.0	22	22	0.0	1		CONCRETE, little Sand, trace Cinders.			-1	
1.5				Reddish-brown SILT, some m-f Gravel, trace Coal.		-2				
2.0				2		Reddish-brown SILT, some Gravel, little yellow Sand.				-3
3.0				3		CONCRETE.				-4
4.0				4		Reddish-brown silty SAND, some Gravel, moist.				-5
5.0				5		Dark-brown silty SAND and GRAVEL, little Coal, trace Cinders.				-6
6.0				6		GRAVEL, little silty reddish-brown Sand.				-7
				7		GRAVEL, little gray Sand.				-8
				8		GRAVEL, some reddish-brown Silt, saturated.				-9
				9		GRAVEL, some reddish-brown Silt, saturated.				-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\_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											
1.0	34			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.											

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		Yellowish-brown SILT and GRAVEL, moist.		-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	3725	1		Pale yellowish-brown SAND (TOPSOIL), little Gravel, trace Roots.			-1	
1.5				2		Brown silty SAND, little to trace Gravel.				-2
2.0				3		Black SAND and m-f GRAVEL, some to little Cinders and Coal, trace Silt.				-3
3.0				4		Greenish-brown SILT, moist.				-4
4.0				5		Greenish-brown SILT and blue CLAY, moist.				-5
5.0				6		Black SAND and f GRAVEL, some Cinders, little Coal, trace Silt.				-6
6.0				7		Yellow/pale blue/grey silty SAND, moist.				-7
				8		Reddish-brown SAND, little Silt, wet.				-8
				9		Reddish-brown sandy SILT, some Gravel, trace Clay, moist to saturated.				-9
				10						-10
	48	48	928	2		Yellow/pale blue/grey silty SAND, moist.			-10	
				3		Reddish-brown SAND, little Silt, wet.				-10
				4		Reddish-brown sandy SILT, some Gravel, trace Clay, moist to saturated.				-10
				5						-10
				6						-10
				7						-10
				8						-10
				9						-10
				10						-10
				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: 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		Brown silty SAND, little Gravel, trace Roots, saturated.		-1	
1.0			54.7	1		Bluish-gray Clayey SAND, trace Silt, trace Roots, saturated.		-1	
1.5				2				-2	
2.0		40	24.0	2		Gray Silty SAND, saturated.		-2	
				3				-3	
3.0			7.3	3				-3	
				4			Reddish-brown Silty SAND, trace Roots, trace Gravel, moist.		-4
4.0			0.0	4				-4	
				5			Brown Silty SAND, some Gravel, moist.		-5
5.0			15.4	5				-5	
				6		Reddish-brown SAND, little Gravel, wet.		-6	
6.0			21.6	6			-6		
				7			-7		
		30		7			-7		
				8		Reddish-brown Silty SAND, some to little Gravel, trace Grass, wet to moist.		-8	
				8			-8		
				9			-9		
			10.4	9			-9		
				10			-10		
			7.4	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: 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				Formation			
1.0	51			1		Pale yellowish-brown SAND (TOPSOIL), trace Gravel, trace Roots.			-1				
1.5				2		Dark-brown SAND and GRAVEL.				-2			
2.0				2		Black SAND, some Gravel, little Coal and Cinders.					-3		
3.0				3		Brown Sandy SILT, little Gravel, trace Clay, trace Coal.						-4	
4.0				4		Dark-brown SILT, trace Coal, trace Clay, trace Gravel.							-5
5.0				5		Black SAND, little Coal, little f Gravel.							
6.0	6	Reddish-brown SAND, some Gravel.	-7										
	7	Greenish-brown Clayey SILT, moist to wet.		-8									
	8	Dark-brown CLAY, moist.			-9								
	9	Dark-gray SAND, little Gravel, trace Silt, saturated.				-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: 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]	Brown Silty SAND, trace Roots, trace Plastic.			-1	
1.5				1		Brown Clayey SAND, some Gravel, trace Wood, trace Roots, trace Roofing Material, trace Cinders.				
2.0				2	[Symbol: Brown Silty Sand]	Brown SILT, little Gravel, trace Roots, trace Clay.				-2
2.5				3	[Symbol: Brown Silty Sand]	Brown Sandy CLAY, trace Roots, moist.				-3
3.0				4	[Symbol: Brown Silty Sand]	Brown CLAY, trace Gravel, trace Roots, moist.				-4
4.0				5	[Symbol: Brown Silty Sand]	Dark-brown/brown CLAY, trace Roots, moist.				-5
5.0	42	42	0.0	6	[Symbol: Brown Silty Sand]	Brown Clayey SAND, trace Gravel, moist.				-6
6.0				7	[Symbol: Brown Silty Sand]	Reddish-brown SILT, some to little Gravel, saturated.				-7
				8	[Symbol: Brown Silty Sand]					-8
				9	[Symbol: Brown Silty Sand]					-9
				10	[Symbol: Brown Silty Sand]		-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

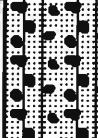




Casing Diameter: NA  
 Date Start: 07/10/12  
 Date Finish: 07/10/12  
 Checked By: GG  
 Sheet 1 of 1

## 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					
K018-0.0		35	0.0	1		ASPHALT					
										1	Black GRAVEL, ASH and CINDER, little Sand, trace Silt and Glass
										2	Orange brown SILT, little grey f Sand, little reddish brown Silt, trace Gravel (mottled)
										3	
										4	
K018-4.5										5	Grey GRAVEL, little Sand, trace Silt
										6	Orange brown to reddish brown f SAND and SILT, some Gravel
										7	Reddish brown SAND and CLAY, some Gravel, little Silt
										8	
K018-8.5										9	
										10	Reddish brown SILT, little Gravel and Sand
										11	
										12	Reddish brown mf SAND, some GRAVEL, little Silt
K018-12.5										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

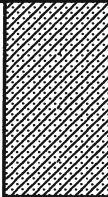
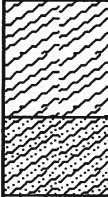

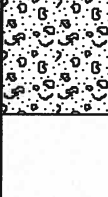
**Casing Diameter:** NA  
**Date Start:** 2/11/2011  
**Date Finish:** 2/11/2011  
**Checked By:** GG  
 Sheet 1 of 2

## 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


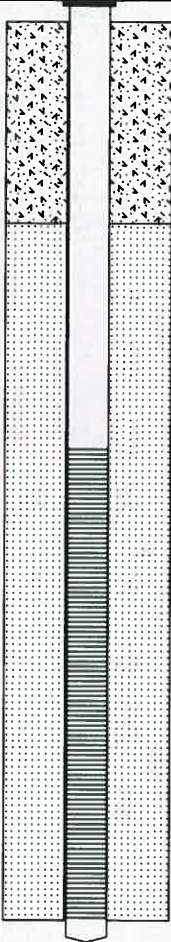




**Casing Diameter:** NA  
**Date Start:** 2/11/2011  
**Date Finish:** 2/11/2011  
**Checked By:** GG  
**Sheet:** 2 of 2

## 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	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	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	0.0	10						
				11					WET	
				12						
				13						
M018-12.0	56	0.0	0.0	15						
				16					SATURATED	
				17						
				18						
	48	0.0	0.0	20						
				21					WET	
				22						
				23						
				24		END OF BORING				
				25						

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  
**Eastng:** 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]				
				11	[Symbol: Triangles]	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: 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	[Symbol: Dotted]	ASPHALT.			
				2	[Symbol: Dotted]	Brown of SAND and GRAVEL, some Silt, little Concrete, trace Cinder.			
				3	[Symbol: Dotted]	Dark-brown of SAND and GRAVEL, some Silt, little Concrete, trace Brick.	trace COPR		
				4	[Symbol: Dotted]	Brown of SAND and GRAVEL, some Silt, trace Wood, Brick and Concrete.			
				5	[Symbol: Dotted]	Dark-brown SILT, some of Sand and Gravel, trace Wood and Glass.	WET		
				6	[Symbol: Dotted]	Black/brown SILT, trace Gravel.			
				7	[Symbol: Dotted]	Reddish-brown mf SAND, some Silt and Gravel.			
		35	0.0	8	[Symbol: Dotted]	Reddish-brown SILT, some mf Sand, little Gravel.			
				9	[Symbol: Dotted]	Reddish-brown mf SAND and red Shale, some Silt.	WET		
				10	[Symbol: Dotted]	Dark-gray of SAND, some Silt, trace Gravel.			
				11	[Symbol: Dotted]	Reddish-brown mf SAND and red Shale, some Silt.			
					[Symbol: Dotted]	Red BRICK.			
					[Symbol: Dotted]	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: 108\_M018C

**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:**

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
		37	0.0	1		CONCRETE and GRAVEL.			
				2		Reddish-brown of SAND, some Gravel and Silt, trace Wood and Cinder.	20% COPR		
				3			10% COPR		
				4			trace COPR		
				5		Dark-brown of SAND and GRAVEL, some Silt, trace Cinder, organic Material and Rubber.	25% COPR		
		45	0.0	6		Reddish-brown mf SAND and GRAVEL, some Silt.			
				7			MOIST		
				8					
				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: 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  
**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 (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description				Formation
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						
		38.5	0.0	8						
D019-8.0				9		Orange-brown SILTY SAND and GRAVEL, some Silt.				
				10						
				11						
				12						
D019-12.0				13						
		29	0.0	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:** 2/23/2011  
**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 5		Orange-brown of SAND and GRAVEL, some Silt, saturated-wet-moist.			
				17					
				18					
				19					
				20 6					
		25	0.0	21					
				22					
				23 7					
				24					
				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:** 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				1		Asphalt.			
				2		Black GRAVEL and of SAND, little Silt, trace Cinder.			
		35	0.0	3		Black of SAND and GRAVEL, some Silt, little Cinder.			
D021-2.5				4		Black SILTY of 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		Orange brown of SAND and GRAVEL, some Silt, moist.			
				10					
				11					
D021-10.5				12					
				13					
		47	0.0	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

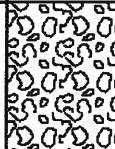
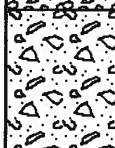
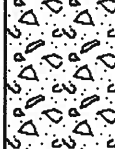

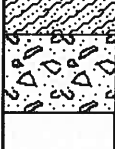
**Casing Diameter:** NA  
**Date Start:** 2/15/2011  
**Date Finish:** 2/15/2011  
**Checked By:** GG  
 Sheet 1 of 2

## 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.						
				1		GRAVEL and black of SAND, little Silt.						
				2		Brown of SAND and GRAVEL, some Silt.						
				3		BRICK and GRAVEL.						
				3		Brown of SAND, some Silt and Gravel.						
D023-3.5										4		
				5		Brown of SAND and GRAVEL, some Silt, little Wood, trace Cinder.						
				6						6		
				7						7		
D023-7.0										8		Brown of SAND, some Silt and Gravel.
	9		9		Light brown of SAND, some Silt and Gravel.							
	10		10									
	11		11		Orange-brown SAND and GRAVEL.							
D023-11.0			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:** 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					
				15					
D023-15.0				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

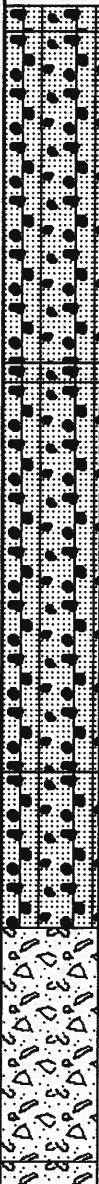
**Casing Diameter:** NA  
**Date Start:** 2/14/2011  
**Date Finish:** 2/14/2011  
**Checked By:** GG  
**Sheet:** 2 of 2

## Soil Boring/Well Details: 107\_D025

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

**Northing:** 677267.9405  
**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 (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		1					
				4							
				5		BRICK. Brown of SAND and GRAVEL, some Silt, little Cinder, trace Brick.					
				6							
				7							
D025-7.5		35	0.0	8							
				9							
				10							
				11		Brown of SAND and GRAVEL, some Silt, trace Cinder.					
				12							
D025-11.5		30	0.0	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			
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					
				5		Brown cf SAND and GRAVEL, some Wood and Silt, trace Glass and Cinder, moist.			
				6					
E026A-7.0				7		36			0.0
				7		Dark brown cf SAND and GRAVEL, some Silt, little Wood, trace Glass and Cinder, moist.			
				8					
				8		Brown to light brown mf Sand, some Silt, moist.			
	9								
	10	3							
	11								
E026A-11.0	11								
	11	Light brown cf Sand, some Silt, moist to wet.							
	12								
	12	Light brown cf Sand, some Silt and Gravel, moist.							
	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

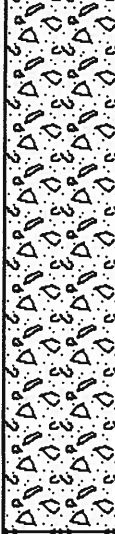
**Casing Diameter:** NA  
**Date Start:** 2/14/2011  
**Date Finish:** 2/14/2011  
**Checked By:** GG  
 Sheet 1 of 2

## 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		5				Orange brown mf SAND and GRAVEL, some Silt, moist.
				15						Brown cf SAND and GRAVEL, some Silt, wet.
				16						Brown cf SAND, some Silt, wet.
				17						Orange brown cf SAND and GRAVEL, some Silt, moist.
				18						End of Soil Boring @ 24.0 feet
				19						
				20						
				21						
				22						
				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:** 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		ASPHALT.			
				Black of SAND and GRAVEL, some Silt					
				Brown of SAND and GRAVEL, some Silt, little Brick					
E027-2.5				3		BRICK			
	4	Brown of SAND and GRAVEL, some Silt, trace Glass and Cinder							
	5	Black of SAND and GRAVEL, some Silt, little Cinder, trace Glass							
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	Brown mf SAND, some Silt, moist to wet.							
E027-11.5				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			
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:	<b>DRESDNER ROBIN</b> 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
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## 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					
E028A-18.0				18					
				19					
				6					
				20					
		60	0.0	21					
				22	Orange brown of SAND, some Silt and Gravel, saturated.				
				7					
				23					
				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				1		ASPHALT.			
				1		Black/grey GRAVEL, little black cf Sand, trace Silt.			
				2		Brown cf SAND, some Silt, little Gravel.			
		37	0.0	3					
E029-3.5				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.		
		27	0.0	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.		
		47	0.0	14					
				15		Orange brown cf SAND and GRAVEL, some Silt, moist-wet-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:** 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				Formation					
E029-18.5		52	0.0	16											
				17											
		18													
		19													
		20	26	0.0						21					
		22													
		23	24	0.0						24	End of Soil Boring @ 24.0 feet				
		25													
		26	26	0.0						26					
		27													
28															
29															
30	26	0.0	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:** 2/14/2011  
**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		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	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.			
			0.2	17		Gray-brown f SAND, some Silt, trace Clay, wet.			
		60		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 and GRAVEL, some Silt, moist.			
				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:** 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.			
			63.6	2		Brown of SAND and BRICK, some Silt, little Concrete, trace Cinder and heavy black Plastic.			
	51		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 mf SAND, some brown c Sand and Silt, little Gravel, trace Concrete.			
				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:** 6/7/2011  
**Date Finish:** 6/7/2011  
**Checked By:** GG  
**Sheet 1 of 1**

## Soil Boring/Well Details: 107\_F036E

**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			
		42	0.0	1		ASPHALT. Black/brown of SAND, some Silt and Gravel, some Rooting Material, trace Brick and Cinder.			
				2		CONCRETE. Light-brown of SAND, some Gravel and Silt, trace Brick, Cinder and Concrete.			
				3		Brown of SAND and red Brick, some Silt, little Gravel, trace Cinder.	20% COPR		
				4		Red Brick, some brown of SAND, little Silt, trace Wood and Cinder.	10% COPR		
				5		Brown of SAND and red BRICK, some Silt, little Gravel, trace Concrete and Cinder.			
				6		END OF BORING			
				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:** 8/16/2011  
**Date Finish:** 8/16/2011  
**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

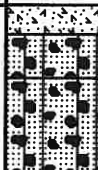
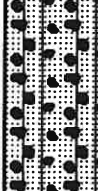
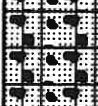

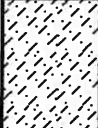


**Casing Diameter:** NA  
**Date Start:** 8/16/2011  
**Date Finish:** 8/16/2011  
**Checked By:** GG  
**Sheet 1 of 1**

## Soil Boring/Well Details: 107\_F036W

**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			
		47/60	0.0	1		ASPHALT. Dark-brown of SAND and GRAVEL, some Silt, trace Plastic, Brick, Rooting Material.			
				2		Brown of SAND, some Gravel and Silt, little Brick, trace Plastic, Cinder and Wood.			
				3		Red BRICK. Red BRICK and CONCRETE.			
				4		Brown of SAND and CONCRETE, some Silt, little Gravel, trace Brick, Cinder.	trace COPR		
				5		Orange-brown mf SAND, some Silt and Clay, trace Gravel.	20% COPR		
				6		Reddish-brown mf SAND, some Silt, little Gravel.	10% COPR		
				7		END OF BORING			
				8					

**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		<b>ASPHALT.</b> ROOTING MATERIAL, dark-brown of Sand, some Gravel and Silt, trace Cinder.			
				2		Brown of SAND and GRAVEL, some Silt, trace Brick, Cinder, Concrete, Glass.			
				3					
				4		<b>CONCRETE.</b> Red BRICK.			
				5		Brown of SAND, some Silt and Gravel, trace Glass, Brick and Cinder.	20% COPR		
				6		Red BRICK, some Concrete, little brown of Sand, trace Gravel and Silt.	10% COPR		
				7		Brown of SAND, some Silt, little Gravel, trace Brick and Cinder, trace Wood and Metal (nail).			
				8		<b>END OF BORING</b>			
				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\_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.			
			0.0	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	4				
				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.			
		53	57.8	2					
		> 15,000	28.7	3		Brown of SAND, some Gravel and Silt, trace Brick, Concrete and Cinder.			
		1040	1040	4					
		0.0	0.0	5		Brown of SAND and BRICK, some Silt, little Gravel, trace Cinder and Wood.	trace COPR		
		19	8.9	6		Brown of SAND and GRAVEL, some Brick and Silt, little Wood.	10% COPR		
		59.4	59.4	7		Brown mf SAND, some Silt, little Gravel.			
		36.6	36.6	8					
				9					
				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:** 06/07/2011  
**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	
				7					
		33	0.0	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.			
				2		ROOTING MATERIAL.			
				3		Brown of SAND and GRAVEL, some Silt, trace Brick and Cinder.			
				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				Formation
F040-0.0		3.75		1		Black GRAVEL and cf SAND, some Silt.				
F040-3.5				2		Black c-f SAND with Roofing Material.				
F040-5.5				3						
F040-6.0	4	0.1	Brown c-f SAND, trace Gravel.							
F040-6.5	5	3.25	0.1	2		BRICK.				
F040-7.5	6			Red-brown SILT, little Sand, moist.						
	7									
F040-11.5	8	2.5		3		Black SILT and GRAVEL, wet.				
	9			Black GRAVEL, black c-f Sand with Cinder, saturated.						
	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:** 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		[Symbol: Dotted]	ASPHALT.			
				1	[Symbol: Dotted]	Grey of SAND, some Gravel and Silt, trace Asphalt.			
			15.5	2	[Symbol: Dotted]	Black of SAND and black ROOTING MATERIALS, some Gravel and Silt, trace Cinder.			
		58	12.4	3	[Symbol: Dotted]	Brown of SAND and GRAVEL, some Concrete and Silt, little Brick.			
				3	[Symbol: Dotted]	CONCRETE, some Plastic.			
			> 15,000	4	[Symbol: Dotted]	Brown of SAND, some Gravel and Silt, trace Brick and Cinder.			
				4	[Symbol: Dotted]	Brown of SAND, some Silt, trace Gravel and Cinder.			
			71.5	5	[Symbol: Dotted]	Brown of SAND, some Brick and Silt, little Gravel, trace Cinder.			
			0.7	5	[Symbol: Dotted]	Brown of SAND, some Silt, little Gravel, trace Brick, Wood and Cinder.	5% COPR		
				6	[Symbol: Dotted]		10% COPR		
			28.9	7	[Symbol: Dotted]	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	1		Black of SAND and GRAVEL, some Asphalt and Silt, trace Cinder.			
			715.00	2		Black of SAND and black ROOTING MATERIAL, some Gravel and Silt, trace Brick and Cinder.			
	52.5	4400		3		Brown of SAND, some Gravel and Silt, little Brick, trace Concrete, Cinders and Metal.			
			380.6	4					
			95.0	5					
			281.4	6		Brown of SAND, some Gravel and Silt, trace Brick and Cinder.		trace COPR	
			99.6	7		CONCRETE.			
	48.5	71.7		8		Brown mf SAND, some Silt, little Gravel.			
			47.1	9		CONCRETE and CINDER, some brown mf Sand, little Silt.			
			15.0	10		Brown mf SAND, some Silt, trace Brick and Gravel.			
				11		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.		
				7			Brown of SAND and red BRICK, some Silt, little Gravel, trace Cinder.	trace COPR	
		26	0.0	8			Brown of SAND, some Gravel and Silt, little Brick, trace Glass and Cinder.		
				9			Brown of SAND, some Silt, trace Brick, Concrete.		
				10		GRAVEL and brown of 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		<b>ASPHALT.</b> Black/brown of SAND and GRVAEL, some Silt, trace Glass.			
				2		<b>Black ROOTING MATERIAL,</b> some dark-brown of SAND and GRAVEL, trace Cinder.			
				3		<b>Brown of SAND,</b> some Silt and Gravel, trace Brick and Cinder.			
				4		<b>CONCRETE.</b>			
				5		<b>Brown of SAND,</b> some Silt, Gravel and Brick, trace Cinder and Metal.			
				6		<b>Red BRICK.</b>			
				7		<b>Red BRICK,</b> little brown of SAND and SILT, trace Cinder, Metal and Glass.			
		37	0.0	8		<b>Brown mf SAND,</b> some Silt, little Gravel, trace Cinder.			
				9		<b>Brown mf SAND and SILT,</b> some Gravel, little Cinder, trace Brick.			
				10		<b>Dark-brown SILT,</b> some Gravel, little brown mf Sand, trace Wood, Concrete, Brick, Cinder.		WET	
				11		<b>Dark-brown SILT,</b> 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:	<b>DRESDNER ROBIN</b> 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
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## 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				1		ASPHALT.			
		36	0.0	2		1	Red-brown f SAND, some Silt, trace Gravel.		
				3		2	Red-brown SILT, little f Sand, trace Gravel, trace gray Silt.		
G032-3.5				4					
				5		2	Yellow-green mf SAND, little Silt, some Gravel.		
		16	0.0	6		3	Brown SILT, some f Sand, trace Gravel, wet.		
				7					
G032-7.5				8					
				9		4	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			
G034-0.0		34	0.0	1		Brown to black GRAVEL and cf SAND, little Silt, trace Concrete.			
G034-3.5				2					Brown SILT, some f Sand, trace Gravel.
G034-7.5				3					
G034-11.0	4	Black ASH, GRAVEL and CINDER, trace Sand, trace Glass.							
	5		Black ASH, GRAVEL and CINDER, trace Sand, trace Glass, wet.						
	6	Dark brown to dark gray SILT, some Clay lense, moist.							
	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:** 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					
G034-15.0				14					
				15		Dark brown silty CLAY, stiff.			
				16					
		60		17					
				18		Gray soft SILT, some mf Sand, trace Gravel, moist.			
				19		Gray-brown stiff silty CLAY, little f Sand.			
G034-19.0				20		Red to brown mf SAND and GRAVEL, little Silt (till).			
				21		Red-brown GRAVEL, some cf Sand, little Silt (till).			
		48		22					
				23		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				Formation			
G036-0.0		36	0.0	1		Black ASH and CINDER, some Sand, trace Silt, trace Glass, trace Plastic.							
				2									
				3									
	4			1						Brown f SAND, some Silt, little Gravel, trace Silt.			
	5									Brown to red-brown Gravel, little Brick, little Sand, trace Silt.			
G036-5.0				6						Brown mf SAND, some Gravel, little Silt.			
G036-6.0				7		2				Red-brown f SAND, some Silt, little Gravel.	270% COPR		
	8									Red-brown SILT, little f Sand, trace Gravel.			
G036-7.0	36	0.0		9						CONCRETE.			
				10							3		Red-brown to brown SILT, little f Sand, trace Gravel, moist.
				11									
	12		0.0										
	13	28											

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				Formation
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						
G036-23.0		48		20		Green-gray clayey SILT, trace f Sand, trace Gravel.				
				21						
				22						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:	<b>DRESDNER ROBIN</b> 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
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## 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	36		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								

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	<b>DRESDNER ROBIN</b> 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
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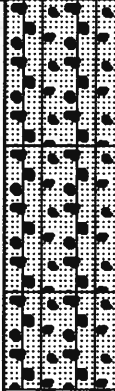


## Soil Boring/Well Details: 107\_G038

**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.		Second attempt refused	
				15		WOOD.			
				16		End of Soil Boring @ 16.0 feet.		Third attempt refused, will log and sample	
				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	4					
G040-3.5			0.0	5		BRICK.			
G040-4.5			0.2	6		COPR MATERIAL.			
G040-5.0				7					
				8		Red-brown c-f SAND with Gravel.			
				9		Red-brown SILT.			
				10					
				11		Red-brown SILT, little c-f Sand, moist.			
G040-11.5				12					
				13					
				14		Black ASH and CINDER, Brick, wet.			
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			
G042-0.0		12	0.0	1		Black to brown SAND, some Gravel, Wood, Rubber.			
				2					
				3					
G042-3.5		48	0.0	4		Red BRICK.			
				5		Brown SILT with c-f Sand.			
				6		Tan fm SAND, little Gravel.			
				7		CONCRETE.			
				8		Red-brown SILT, little cm Sand, little Clay.			
				9		Red to brown silty SAND.			
G042-7.5				10		Clayey SILT.			
				11		Gray to brown clayey SILT, moist.			
				12					
G042-11.5		24	0.0	13		FILL/GRAVEL.			
				14					
G042-14.0				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




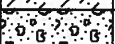
**Casing Diameter:** NA  
**Date Start:** 1/28/2011  
**Date Finish:** 1/28/2011  
**Checked By:** GG  
**Sheet 1 of 2**

## 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			BRICK.		
G044-3.5				4			Brown c-f SAND with Gravel, Wood and Brick.		
				5					
				6					
				7					
		3.0		8			Brown silty SAND, dry to moist.		
G044-7.5				9					
				10			Black-brown SILT, little Sand, wet.		
				11		NO RECOVERY.			
		0.0		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:** 1/28/2011  
**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 5		Light brown silty CLAY with Sand.				
G044-19.0				17 18 19		Orange-brown SAND, some Silt, trace Clay, wet.				
G044-23.0		3.0		20 6 21 22 23 7		Orange-brown SAND, some Silt, trace Clay with Gravel, wet.				
				24 25 26 8 27 28 29 9 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

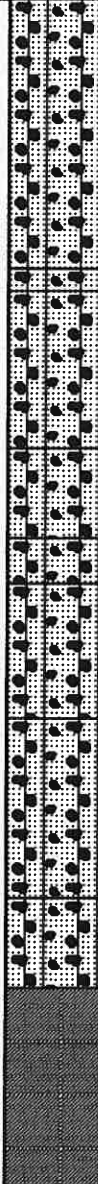
**Casing Diameter:** NA  
**Date Start:** 1/28/2011  
**Date Finish:** 1/28/2011  
**Checked By:** GG  
**Sheet:** 2 of 2

## 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				Formation
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.	<10% COPR
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.	
G046-7.5				9						
				10		3			Black Gravel, some Cinder, little Silt, wet.	
G046-10.0	11		Brown SILT, moist.							
	12									
	13									
	44									

**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

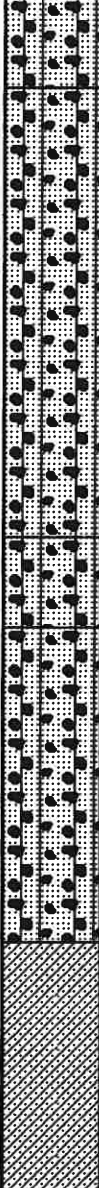
**Casing Diameter:** NA  
**Date Start:** 06/06/2011  
**Date Finish:** 06/06/2011  
**Checked By:** GG  
**Sheet:** 2 of 2

## 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					
1032-14.5				15		Brown f SAND, some Silt, trace Gravel.	MOIST		
				16		Red-brown mf SAND and SILT, some f Gravel.			
		52	0.0	5					
				17		Red-brown GRAVEL, some mf Sand, little Silt.			
				18		Red-brown mf SAND and GRAVEL, some Silt.	WET		
1032-18.5				19					
				6					
				20					
				21					
		14	0.0	7					
				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\_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			
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					
				6					
				7					
				8					
1034-7.5	28			9		PEAT, little Sand, trace Gravel.			Refusal in first 2 attempt
				10		Black ASH and CINDER, little Sand, trace Silt.			Very hard broke through, poor recovery
				11					
1034-11.5				12					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: 1/24/2011  
 Date Finish: 1/24/2011  
 Checked By: GG  
 Sheet 1 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	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				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	17						
				6		Brown f SAND, some Silt, trace Gravel, trace Clay.		WET		
1036-19.5				18						
			0.0	19						
				7		Red-brown mf SAND, some Gravel, little Silt (till), little yellow-brown Sand and Gravel.				
				20						
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	1	Black of SAND and ROOTING MATERIAL, some Silt and Gravel, trace Cinder.			
				2	1	Brown of SAND and GRAVEL, some Silt, trace Cinder and Brick.			
				3	1	WOOD.			
				4	1	Brown of SAND and GRAVEL, some Silt, little Brick, trace Cinder and Wood.			
				5	1	BRICK and CONCRETE.			
		48		6	2	Brown mf SAND, some Silt, little brown Gravel, trace Brick.			
				7	2	Brown mf SAND, some Silt, trace Wood and Gravel.			
				8	2				
				9	2				
				10	3				

**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\_1037

**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					
1038-3.5				4					Gray/brown SILT and SAND, some Gravel, trace Brick, trace Concrete.		
				5							
				6					Red/black/gray CONCRETE, little Sand, little Silt.		
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					
1038-10.0				11					Red-brown CONCRETE, some Sand, trace Silt.		
1038-11.0				12					Crushed CONCRETE.		
1036-12.0	40			13					Red-brown f SAND and SILT.		

**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:	<b>DRESDNER ROBIN</b> 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
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# 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	12					
			14.9	10.5					
			11.8	13					
			41.9	4					
			19.4	14			Dark-brown mf SAND, some Silt, trace Wood.		
			15.5	15			Brown/black SILT, trace Wood.		
			19.8	15			Black GRAVEL, some Cinder, Slag, Ash.		
				16			END OF BORING		
				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						
			0.9						
			3.4						
			3.5						
			2.3						
			30.7						
			0.0						
			5.8						
		31	2.5			Dark-brown of SAND, some Gravel and Silt, trace Wood, Brick and Cinder.			
			9.2						
			8.5						
			12.2						
			7						
			16.9						
			26.9						
			26.2						
			7.4						
			5.1						
		4.1							
		3	10			Brown of SAND, some Gravel and Silt, trace Brick, Concrete, trace Metal.			
			17.6						
			3.5			Brown of SAND, some Silt, trace Metal 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\_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			Black SILT, little Organic Material and black of Sand, trace Gravel, Cinder and Slag.  END OF BORING			
			52.9						
			27.5						
			9.6						
			6.9						
			65.8						
			21.7						
			63.8						

**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				Formation
		23.5		12		12				
				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	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\_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.			
				9		Brown mf SAND, some Silt, trace Gravel.			
				10		CONCRETE.			
				11	Brown mf SAND, some Silt, trace Gravel.				
		39.5	0.0			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

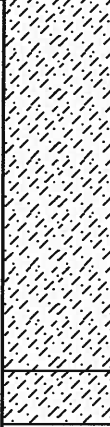
**Casing Diameter:** NA  
**Date Start:** 06/06/2011  
**Date Finish:** 06/06/2011  
**Checked By:** GG  
 Sheet 1 of 2

# 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	1		Brown of SAND, some Gravel and Silt, trace Brick, Concrete and Glass, trace Cinder.			
			7.5 30.1 35.7	2		Brown mf SAND, some Silt, little Gravel and brown c Sand, trace Brick.			
		40	24.9 27.1	2					
			5.6	8		CONCRETE.			
			8.1 22.2	9		Brown mf SAND, some Silt, little Gravel.			
			8.3	9					
			7.1	3					
				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

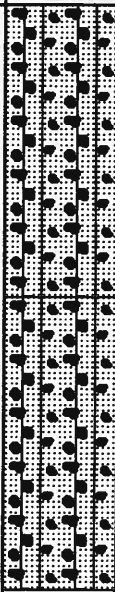
**Casing Diameter:** NA  
**Date Start:** 6/6/2011  
**Date Finish:** 6/6/2011  
**Checked By:** GG  
 Sheet 1 of 2

## 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			
		30	5.1	4		Black of SAND, some Silt, little Gravel, trace Brick, Cinder and Organic Materials.			
			9.9						
			37.9						
			124						
			52.1						
			22.4						
			41.7						
			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		Brown f SAND, some Gravel, little Silt, trace Concrete, trace Brick.			
				6					
				7					
				8					
				9					
				10					
1040-7.5	54			11		CONCRETE.			
				12					
				13					
1040-11.5				14		Red-brown f SAND, some Silt, trace Gravel, trace Concrete.			
				15		Red GRAVEL, some Concrete and red Brick, little Sand, trace Silt.			
				16		Red-brown f SAND and SILT, trace Gravel.			
				17		CONCRETE.			
				18		Red-brown SILT, little f Sand, trace Gravel, trace Wood.			
				19		CONCRETE.			
				20		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		Gray-brown SILT, little Clay, little Peat, trace f Sand.		WET	
				14		HISTORIC FILL			
I040-15.5				15					
				5		Gray-brown clayey SILT, little f Sand.		MOIST	
I040-16.5				16					
		40		17					
				6		Brown PEAT, some clayey Silt.		WET	
				18					
I040-20.5				19					
				7		Dark gray silty CLAY, little Peat, trace f Sand.			
				20					
		48		21					
				7		Red-brown mf SAND, little Silt.			
				22					
				23					
						END OF BORING			
I040-24.5				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:** 1/26/2011  
**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			
1042-0.0	48		0.4	0.4		Black GRAVEL, CINDERS, cf SAND.			
			0.1	1					
			0.4	2					
			1.8	3					
1042-3.5	60		0.4	4		Pale brown fm SAND, little Silt.			
			0.2	5		Brown cf SAND, little Brick.			
				6		Pale brown f SAND, some Silt.			
				6		WOOD.			
				7		Red BRICK mixed with brown m Sand and Gravel.			
				7		Red-brown silty mf SAND, trace Clay.			
1042-7.5	24		0.0	8		Red-brown CLAY, little Silt, little f Sand.			
				9					
				10					
				11					
1042-11.5			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: 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				6		Pale green CLAY.			
				20		Pale green CLAY.			
				21					
				22					
1042-22.5		36	0.0	7		Yellow SILT with f Sand.			WET
				23		Brown clayey SILT.			
				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			
1044-0.0	44	44	0.0	1		Black of SAND and GRAVEL, some Silt, some Cinder, little Rubber, trace Glass and Wood.			
1044-3.5				4		CONCRETE and GRAVEL.			
1044-7.5				5		Brown of SAND, some Silt and Glass, little Gravel, trace Brick and Cinder.			
				6		WOOD.			
				6		CONCRETE.			
				7		Red/brown silty SAND, trace Gravel.			
				8					
				9					
				10					
				10		Red/brown silty CLAY, some of Sand.			
				11					
1044-11.5				12		Black GRAVEL and CINDER, some Silt and black of Sand, trace Brick.			
				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

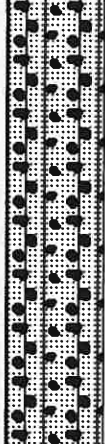

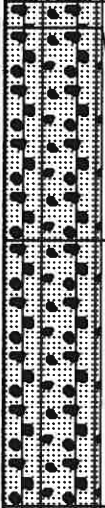
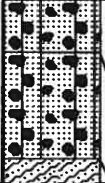
**Casing Diameter:** NA  
**Date Start:** 1/31/2011  
**Date Finish:** 1/31/2011  
**Checked By:** GG  
**Sheet:** 2 of 2

# 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				5		CONCRETE.			
	33		0.0	6		Brown of SAND and BRICK, some Silt and Gravel.			
				7					
				8					
				9					
				10					
1046-7.5				11		Black of SAND and GRAVEL, some Silt, trace Wood and Cinders.			
							MOIST		

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	<b>DRESDNER ROBIN</b> 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
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## 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					
		60	0.0	17				MOIST	
				18	Brown SILT/Meadow Met (stiff).				
1046-19.5				19			WET		
				20 - 6	Orange/brown/grey mottled silty CLAY, little Gravel.				
				21	Red mf SAND and SILT.				
				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:** 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						
			171						
			104						
			604						
		37	74.8	2	[Symbol: Dotted pattern]	Brown of SAND, some Gravel and Silt, trace Cinder, Brick and Concrete.			
			61.7						
			505						
			111						
			17.0						
			9.4						
			23.5						
			24.2						
			17.6						
			37.6						
		3	53.2	3	[Symbol: Dotted pattern]	Brown mf SAND, some Silt, trace Cinder, Brick and Gravel.			

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	<b>DRESDNER ROBIN</b> 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
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## 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	11.5		Brown mf SAND, some Silt and Gravel.			
			36.2	12					
			79.8	13			4		
			39.4	14				Brown mf SAND and GRAVEL, trace Cinder.	
			52.6	15				Black SILT and ORGANIC MATERIAL, some black of Sand and Gravel, trace Cinder and Slag.	
			16.9	16			5	END OF BORING	
			9.6	17					
				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

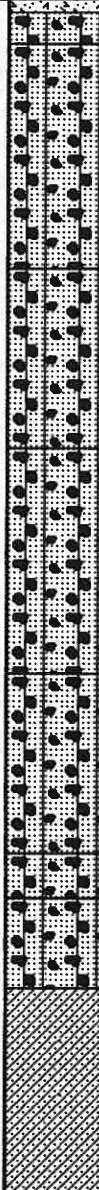


## Soil Boring/Well Details: 107-K032

**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:	<b>DRESDNER ROBIN</b> 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
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## 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			
K032-14.5				4					
				14					
K032-18.5		44	0.0	15		Gray/brown f SAND, some clayey Silt, trace Gravel, trace red-brown Sand.	WET		
				16		Gray/brown f SAND and SILT, trace Gravel.			
K032-18.5		44	0.0	17		Red-brown SILT, some f Sand, trace Gravel.	MOIST		
				18		Red-brown SILT, some f Sand, some Gravel.			
K032-18.5		44	0.0	20		Red-brown sandy SILT and GRAVEL.	MOIST TO WET		
				21		Red-brown SILT and SAND, some Gravel.			
				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					
				2			Black c SAND, some Ash, little Gravel, trace Silt.		
				3			Gray GRAVEL, little Sand, trace Silt (some green/yellow staining in Gravel).		
				4			Gray/brown mf SAND, some Gravel, little Silt.		
				5			Red-brown SILT, little Gravel, trace Sand, trace brown Silt.		
				6			Red-brown GRAVEL, little Sand and Silt.		
				7			Brown clayey SILT, little f Sand, trace Gravel, trace Coal.		
		27	0.0	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  
**Easting:** 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					
				6		Gray to red Gravel, little Sand and Silt.			
				7		Red-brown SILT, some f Sand, trace Gravel, trace Clay.			
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

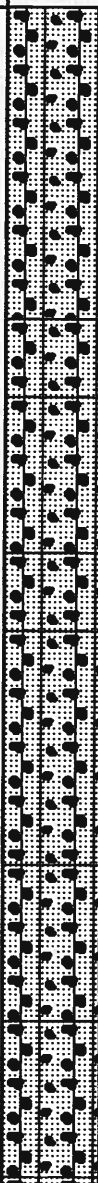
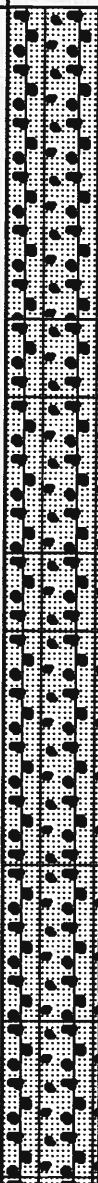
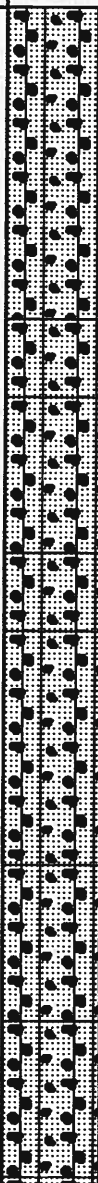
**Casing Diameter:** NA  
**Date Start:** 1/25/2011  
**Date Finish:** 1/25/2011  
**Checked By:** GG  
 Sheet 1 of 1

## 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					
	45			5		Gray/brown GRAVEL, little Sand and Silt, trace Concrete.			
				6					Brown f SAND, some Gravel, little Silt, trace Brick.
				7		2			
				8					CONCRETE and red BRICK, little Sand and Silt.
K038-7.5				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								

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	<b>DRESDNER ROBIN</b> 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
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## 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  
**Eastng:** 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.			
		55	0.0	16		Brown CLAY.			
				17		Yellow-brown CLAY.	MOIST		
K042-19.0				18		Green/orange SILT, little Clay.			
				19		Orange/brown gravelly SAND.			
		55	0.0	20		Orange/red CLAY and c SAND.			
K042-23.0				21		Orange/brown CLAY.			
				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					
				9					
K044-7.5				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					
				26		END OF BORING			
				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					
K046-3.5				4					
				5			CONCRETE and GRAVEL.		
				6					
		10	0.0	7					
				8			Brown of SAND and GRAVEL, some Silt.		
				9					
				10			WOOD.		
				11			Black of 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	20		Gray/brown mottled silty CLAY (stiff), little f Sand.			
				21	22	Red-brown GRAVEL, some cf Sand, little Silt.			
				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		
M020-2.5		42	0.0	2		Black to dark red-brown band of SAND and SILT, some COPR, little Gravel.	25% COPR		
M020-3.0				3	1	Black to brown mf SAND, some Gravel, little Silt.			
M020-3.5				4		Black mf SAND, little Silt, trace COPR.			
				5		Gray f SAND and SILT, little brown Silt.			
				6		Red-brown f SAND, little Silt.			
				7	2	Red-brown mf SAND, some Gravel, little Silt.			
M020-7.5		60	0.0	8		Red-brown SILT and f SAND, some Gravel.			
				9					
				10	3	Red-brown f SAND, some Silt, trace Gravel, trace yellow-brown Sand.			
				11		Red-brown clayey SILT, some Gravel, little Sand.			
M020-11.5				12					
		38	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:** 2/11/2011  
**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	4				
				14					
				15	5	Red-brown cm SAND, trace Silt and f Sand.			
				16		Red-brown clayey SILT, some Gravel, little Sand.			
				17					
		47	0.0	18					
				19					
				20	6	Red-brown cf SAND, some Gravel, little Silt.			
				21		Red-brown mf SAND, some Gravel, some clayey Silt.			
				22					
		44	0.0	23	7				
				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		Brown SILT, some gray f Sand, little red-brown Silt, trace Ash, mottled.			
M022-4.5				5					
		45	0.0	6		GRAVEL, little Sand, trace blue-green Silt.	WET		
				7		Pale gray f SAND and SILT, little red-brown Silt, mottled.			
				8		Red-brown SILT, little f Sand.			
M022-8.5				9		Red-brown f SAND, little Gravel, little Silt.			
				10		Red-brown SILT, little Gravel, little Sand.			
				11		Red-brown GRAVEL, some f Sand and Silt.			
		23	0.0	12		Red-brown clayey SILT, some Gravel, little Sand.	MOIST		
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.			
				19		Red-brown cilty CLAY, little brown Sand.			
		34	0.0	20		Red-brown mf SAND, little Silt.	MOIST		
				21		Red-brown mf SAND, little Silt, trace Gravel.			
				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		6	0.0	12					
M024-13.0				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	<b>DRESDNER ROBIN</b> 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
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## 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				
M026-4.0				4		Reddish brown of SAND and GRAVEL, some Silt, trace cinder			
				5		Brown of SAND, some Silt, trace Gravel			
				6		Brown SILT, some mf Sand			
		46	0.0	7	2				
				8					
M026-8.0				9					
				10	3	Grey SILT and CLAY, some mf Sand			
				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				1		TOPSOIL and GRASS			
M028-0.5							trace COPR		
M028-1.0				2		Light brown SILT, some of Sand, trace Gravel			
		52	0.0	3		Black of SAND and GRAVEL, some Silt, little Cinder			
				4		Brown of SAND and GRAVEL, some Silt			
M028-3.5				5		Brown of SAND, some Silt, trace Gravel			
				6		Brown SILT			
		48	0.0	7					
M028-7.5				8					
				9					
				10		Grey SILT and CLAY			
				11			MOIST		
M028-11.5				12		Light brown SILT and CLAY, some Gravel			
		60	0.0	13		Reddish brown of 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			
		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					
				7					
M030-7.5	43	0.0		8		Brown SILT, some mf Sand, trace Gravel			
				9					
				10		Brown to grey SILT and CLAY			
				11					
				12					
M030-11.5	54	0.0		13		Reddish brown cf SAND, some Silt			
				14					
				15					

Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter: 3 inches	<b>DRESDNER ROBIN</b> 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
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## 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 18 19				WET	
		56	0.0	20 6		Reddish brown mf SAND and GRAVEL, some Silt			
				21 22 23 7				SATURATED	
				24		End of Soil Boring @ 24.0 feet			
				25 26 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					
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					
				4			Brown SILT, some mf Sand, little Gravel		
				5					
				6					
M032-7.0		43	0.0	7					
				8					
				9					
				10					
				11					
M032-11.0				11					
				12		Grey SILT and CLAY			
		54	0.0	13					
				14		Reddish brown of SAND and SANDSTONE, little Clay			
				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	22 23 24		Reddish brown of SAND and GRAVEL, some Silt		WET	
				23 24		End of Soil Boring @ 24.0 feet		SATURATED	
				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		Black of SAND and GRAVEL, some Silt and Cinder, little Rubber, trace Glass and Wood.					
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	2	Brown silty SAND, some Roots.								
M034-9.5	9		Brown SILT, some brown mf Sand.								
M034-13.5	13	4	Gray silty CLAY, some gray mf SAND, trace Sandstone.								
	14										
	15										
		48	0.0								
		53	0.0								
										<10% COPR	
										MOIST	



Drilling Company: EMC, Inc. Driller: Ryan Zajak Drilling Method: Geoprobe Auger Size: NA Hole Diameter:	<b>DRESDNER ROBIN</b> 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
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## 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	20		Brown-red silty SAND and ROCK, some Sandstone and red/brown cf Sand.		WET		
				21						
				22						
				23						
				24						
				24		END OF BORING		Pushed to 24 feet, but only had 1 foot of recovery and had rock tense @ 21 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\_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


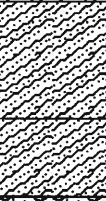

**Casing Diameter:** NA  
**Date Start:** 2/9/2011  
**Date Finish:** 2/9/2011  
**Checked By:** GG  
 Sheet 1 of 2

## 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	22					Red-brown SILT, some Gravel, little f Sand.
		23			Red-brown SILT, little Gravel, little brown f Sand, mottled.					
		24			Red-brown f SAND, some Gravel, little Clayey Silt.					
		25			26					END OF BORING
		27			28					
29			30							
30			30							
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\_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				1		Black SHINGLE, little Sand, trace Ash, trace Gravel, trace Silt.			
		28	0.0	2					
				3					
M038-3.5				1			Brown f SAND, some Silt, little Gravel, trace Concrete, trace Brick.		
				4					
				5			Gray f SAND, some Silt, little Brick and Gravel.		
				6			CONCRETE.		
				7		2	Brown to red-brown f SAND, some Silt, little Gravel, trace Ash.		
M038-8.0		21	0.0	8					
				9			Red-brown f SAND, some Silt and Gravel, trace gray/brown Silt.		
				10		3	Red-brown f SAND, some Silt, little Gravel.		
				11					
M038-12.0		45	0.0	12				WET	
				13		4			
				14			Red-brown f SAND, some Silt, little Gravel, little organic Peat.		
				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

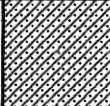
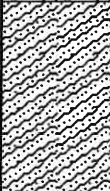




## Soil Boring/Well Details: 107\_M038

**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							
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: 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				
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.				
				5		Brown mf SAND, some Gravel, little Silt, trace Ash, trace Wood.				
				6		2				Brown SILT, little f Sand, little Gravel, trace Ash, trace Brick, trace Clay.
				7						
M040-7.5				8		3				Red-brown SILT, little f Sand, trace Gravel, gray to gray-brown clayey Silt, trace Sand.
M040-8.5				9						Gray brown silty CLAY, little f Sand.
				10						
				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:** 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			
M042-0.0		34	0.0	1		Black SHINGLE, some f Sand, little Gravel and Ash, trace Silt.			
				2					
				3		1			
M042-3.5				4		Brown f SAND, some Silt, little Gravel, trace Brick. Red BRICK.			
	5								
	6								
				7		Red-brown SILT, little f Sand, trace Gravel.			
M042-7.5	38	0.0	8	Red-brown f SAND, some Silt, some Gravel, trace Ash.					
M042-8.5			9						
				10		Red-brown f SAND, some Silt, little Gravel and brown Silt.			
				11		Gray/brown clayey SILT, little f Sand, little black Gravel, trace Shells.			
				12					
M042-12.5	32	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:** 2/9/2011  
**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			
M042-16.5		48	0.0	4				MOIST	
				14					
				15					
				16					
				5					
				17					
				18					
				19					
				6					
				20					
21									
22									
18									
23									
7									
24									
					END OF BORING				
				25					
				26					
		18	0.0					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:** 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			
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		Red-brown f SAND, some Silt and Gravel.			
				19					
				20		Red-brown GRAVEL, little Sand, trace Silt.			
				21					
				22					
				23					
				24		END OF BORING			
25									
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					
				3					
				4					
				5			Brown f SAND, some Silt and Gravel, little Brick, trace Concrete.		
				6			Brown f SAND, some Silt, little Gravel, trace Silt, trace Brick.		
				7		2			
		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		3			
				12			Red-brown f SAND and SILT, some Gravel.		
						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




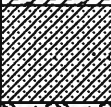
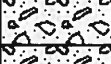
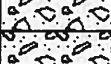
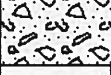



# Soil Boring/Well Details: 107\_TMW\_M046

**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			Brown silty CLAY, trace f Sand.		
				17					
				18		Brown GRAVEL, little Sand, trace Silt.		WET	
		12	0.0	19			Red-brown Gravel, little Sand, little Silt.		
				20			END OF BORING		
				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:** 2/9/2011  
**Date Finish:** 2/9/2011  
**Checked By:** GG  
**Sheet:** 2 of 2