

# Appendix B-1

## Historical Soil Borings

## 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				Formation	
K036-0.0		36	0.0	1		Gray to black GRAVEL, little Sand.					
				2		Black of SAND, little Silt, little Gravel, Ash and Cinder, trace Concrete, trace Brick.					
				3							
K036-3.5				4							
				5						Gray to red Gravel, little Sand and Silt.	
				6						Red-brown SILT, some f Sand, trace Gravel, trace Clay.	
				7							
K036-7.5				8							
				9							Brown mf SAND, some Silt and Gravel, trace Concrete.
				10							Concrete in Tip (refusal).
				11							End of Soil Boring @ 11.0 feet.
	12										
	13										
	14										

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

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

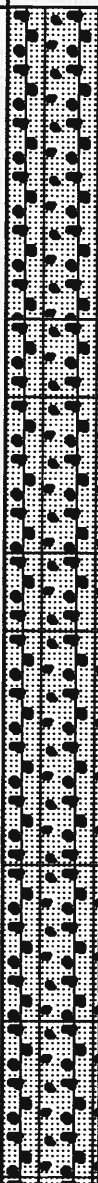
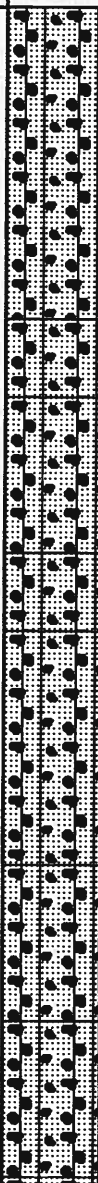
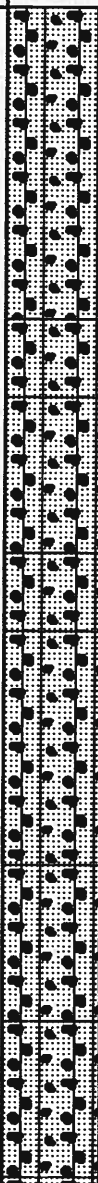
**Casing Diameter:** NA  
**Date Start:** 1/25/2011  
**Date Finish:** 1/25/2011  
**Checked By:** GG  
 Sheet 1 of 1

## Soil Boring/Well Details: 107\_K038

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

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

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

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
K038-0.0	53			1		Black ASH, little Sand, trace Silt.			
				2					
				3		1			
K038-3.5				4					Gray/brown GRAVEL, little Sand and Silt, trace Concrete.
	45			5		Brown f SAND, some Gravel, little Silt, trace Brick.			
				6					
				7		2			
				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	
				12					
K038-11.5				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						
		44		20		Yellow-brown SILT, little f Sand, trace Clay.			MOIST
K038-20.5				21	Orange-brown SILT, little Clay, little f Sand.				
			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
---	--	--

## 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.			
				2		Black gravelly SAND, Cinder, little Silt			
				3					
K042-3.5				4		Pale brown SILT, fm Sand mixed with Brick.			
	5	Brown-green SILT, fm Sand mixed with Brick.							
	6	CONCRETE.							
	7	Tan silty SAND, trace Clay.							
K042-7.5	8	Pale red SILT, little Clay.							
	9								
	10	Pale red SILT, fm Sand.							
	11	Black GRAVEL and f SAND.							
	12	Brown SILT, little Clay.							
K042-11.5	13	Grey CLAY.							

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

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

**Casing Diameter:** NA  
**Date Start:** 01/28/2011  
**Date Finish:** 01/28/2011  
**Checked By:** GG  
 Sheet 1 of 2

## Soil Boring/Well Details: 107\_K042

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

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

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

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
				4		Grey CLAY, trace Plastic, Gravel.			
K042-15.0				14		FILL.			
				15		Brown clayey of SAND, trace Silt.			
		55	0.0	16		Brown CLAY.			
				17		Yellow-brown CLAY.		MOIST	
				18		Green/orange SILT, little Clay.			
K042-19.0				19		Orange/brown gravelly SAND.			
		55	0.0	20		Orange/red CLAY and c SAND.			
				21		Orange/brown CLAY.			
				22		END OF BORING		SATURATED	
K042-23.0				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.			
				7		Red/brown silty SAND, little Gravel, trace Brick.			
				8					
K044-7.5	42	0.0		9					
				10					
				11		Black of SAND, some Silt and Gravel.			
				12		GRAVEL and CONCRETE.			
K044-11.5	18	0.0		13					
				14		Dark brown silty SAND, some Gravel and Cinder.			
				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

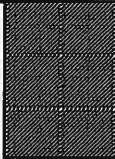
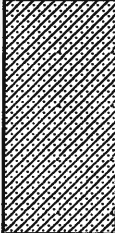

**Casing Diameter:** NA  
**Date Start:** 1/31/2011  
**Date Finish:** 1/31/2011  
**Checked By:** GG  
 Sheet 1 of 2

## 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		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:** 1/31/2011  
**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		Red-brown GRAVEL, some cf Sand, little Silt.			
				22					
				23					
				24					
				25		END OF BORING			
				26					
				27					
				28					
				29					
				30					

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

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

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

# Soil Boring/Well Details: 107\_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.		
				6					
				7			Brown mf SAND, some Gravel, little Concrete, trace Silt, trace Wood.		
M036-7.5		32	0.0	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.		
				12			Red-brown f SAND, some clayey Silt, little Gravel, trace mf black Sand.	WET	
M036-12.5		42	0.0	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	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

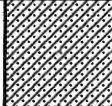
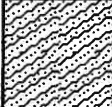



## Soil Boring/Well Details: 107\_M038

**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				Formation
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						
		22	32	0.0	23					Red-brown GRAVEL, little Sand, trace Silt.
		24			END OF BORING					
		25	8							
		26								
		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		Brown SILT, little f Sand, little Gravel, trace Ash, trace Brick, trace Clay.			
				7					
M040-7.5				8		Red-brown SILT, little f Sand, trace Gravel, gray to gray-brown clayey Silt, trace Sand.			
				9					
M040-8.5				10		Gray brown silty CLAY, little f Sand.			
				11					

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: 2/9/2011 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	[Diagonal Hatching]	Dark-brown silty CLAY, little f gray Sand lenses.			
				13					
M040-16.5		48	0.0	14	[Diagonal Hatching]	Light-gray f SAND, some gray/brown clayey Silt.			
				15					
				16	[Diagonal Hatching]	Light-gray f SAND, some orange-brown and yellow-brown clayey Silt, mottled.			
				17					
				18	[Stippled]	Red-brown GRAVEL, little Sand, trace Silt.		MOIST	
				19	[Stippled]				
				20	[Stippled]	END OF BORING			
				21	[Stippled]				
				22	[Stippled]				

**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					
	4								
M042-3.5	5		Brown f SAND, some Silt, little Gravel, trace Brick.						
	6		Red BRICK.						
	7		Brown f SAND, some Silt, trace Gravel, trace Brick, trace Concrete.						
	8		Red-brown SILT, little f Sand, trace Gravel.						
M042-7.5	9	38	0.0			Red-brown f SAND, some Silt, some Gravel, trace Ash.			
	10					Red-brown f SAND, some Silt, little Gravel and brown Silt.			
M042-8.5				11		Gray/brown clayey SILT, little f Sand, little black Gravel, trace Shells.			
				12					
M042-12.5	13	32	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:** 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									
				24		END OF BORING			
				25				WET	
				26					

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

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

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

# Soil Boring/Well Details: 107\_M044

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

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

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

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery (inches)	VOC (PPM)	Depth (ft/m)	Symbol	Description			
M044-0.0		30	0.0	1		Black mf SAND, some Ash and Cinder, little Shingle, trace Glass, trace Wood.			
				2					
				3					
M044-3.5				4					
	5	43	0.0			CONCRETE.			
	6								
	7								
M044-7.5	8								
	9	56	0.0			Red-brown f SAND, some Silt, trace Gravel, trace Ash.			
	10								
	11								
M044-11.5	12								
	13	4				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:	<b>DRESDNER ROBIN</b> 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		Brown f SAND, some Silt and Gravel, little Brick, trace Concrete.			
				3		Brown f SAND, some Silt, little Gravel, trace Silt, trace Brick.			
				4					
				5					
				6					
				7					
		40	0.0	8		Brown f SAND, some Gravel, little Silt.			
				9		Black ASH and CINDER, little Sand, trace Silt.			
				10		Brown f SAND, some Gravel, trace Silt.			
				11		Red-brown f SAND and SILT, some Gravel.			
				12		Brown SILT, little dark Clay lenses, trace Sand, trace Shell Fragments.			

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

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




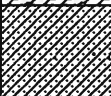
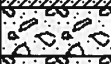
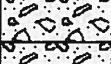
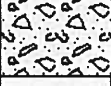

**Casing Diameter:** NA  
**Date Start:** 2/9/2011  
**Date Finish:** 2/9/2011  
**Checked By:** GG  
 Sheet 1 of 2

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

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

**Northing:** 0  
**Easting:** 0  
**Elevation:** 0  
**Total Depth:** 21.0

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

SAMPLE				SUBSURFACE PROFILE			Remarks	Well Completion Details	Elevation (Ft. MSL)
Sample #	Blow Counts	Recovery	VOC (PPM)	Depth	Symbol	Description			
		54	0.0	13		Brown of SAND, little Gravel, trace Silt.			
				14					Brown SILT, little f Sand, trace-little Organics, trace Gravel.
				15			Brown clayey SILT, trace f Sand, trace Peat.	MOIST	
		44	0.0	16			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