

APPENDIX B

SOIL BORING LOGS

Project FONF Expansion Sabre Park BCP				Project No. 140091401																																																																																																																																																																																																																									
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.33																																																																																																																																																																																																																									
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.68			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12.5 ft		Rock Depth N/E	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 8	
Sampler 2" Macrocore				Completion -			
Sampler Hammer NA/		Weight (lbs) N/A		Drop (in) N/A		24 HR. -	
Drilling Foreman Dan Delude				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
	+573.3	ASPHALT (5")		0							Collect sample LSB-3-A from 1'-3' @ 10:15 (VOCs 1.5-2)
	+573.3	Gray f-GRAVEL, sm. f-c sand, tr. silt (dry)	0	1							
	+572.4	Dark brown f-c SAND, sm. f-gravel, sm. silt, tr. fill (brick, blue stone, asphalt) {loose} (dry)	0	2	S-1	MACROCORE	38				
		Brown-gray-dark gray f-SAND, sm. silt, tr. f-gravel, tr. fill (brick, metal) {dense} (dry)	0	3							
		Gray f-GRAVEL (wet)	0	4							Gravel @ 2.75-3.2 appears to be fractured cobble/boulder Gravel @ 4'-5.25' appears to be fractured cobble/boulder (heavy resistance while hammering)
		Gray f-GRAVEL, sm. f-c sand, sm. silt, tr. clay (wet)	0	5							
		Gray to dark gray CLAY, sm. f-gravel, sm. fill (wood), tr. f-sand (moist)	0	6	S-2	MACROCORE	19				
			0	7							
		Gray to reddish brown CLAY, sm. f-gravel {dense} (wet)	0	8							Collect sample LSB-3-B from 6'-8' @ 10:40 (VOCs 6-6.5)
		Reddish brown CLAY, tr. silt, tr. f-sand {dense} (wet)	0	9							
		Reddish brown CLAY, tr. silt, tr. f-sand {dense} (wet)	0	10	S-3	MACROCORE	38				
			0	11							
	+565.7		0	12							Geoprobe hammer malfunctioned @ 12.5'
		End of Boring @ 12.5'	0	13							
			0	14	S-4	MACROCORE	6				
			0	15							

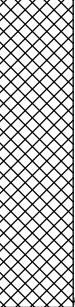
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.28			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/E	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 8		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Completion -	
Sampler 2" Macrocore				Drilling Foreman Dan Delude			
Sampler Hammer NA/				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
ASPHALT	+574.3		0	0							Collect sample LSB-4-A from 4'-4.67' @ 12:00 (VOCs 4-4.5) Collect samples LSB-4-B from 4.67'-6.6' @ 12:10 (VOCs 6-6.6)
	+573.8	Gray f-GRAVEL, sm. f-c sand (dry)	0	1							
Gray f-GRAVEL, sm. f-c sand, tr. silt, tr. brick {loose} (dry)	+572.8		0.3	2	S-1	MACROCORE	21				
			0	3							
			0	4							
			0	5							
Dark gray f-SAND, sm. silt, sm. f-gravel (moist) Brown to gray f-SAND, sm. clay, sm. silt, tr. f-gravel {dense} (moist)	+570.3		0	6	S-2	MACROCORE	31				
			0	7							
			0	8							
			0	9							
Brown to gray f-SAND, sm. clay, sm. silt {dense} (wet) Reddish-brown CLAY, tr. gray silt and f-sand {dense} (moist)	+566.0		0	10	S-3	MACROCORE	28				
			0	11							
			0	12							
			0	13							
Reddish-brown CLAY, tr. gray silt and f-sand {dense} (wet) Reddish-brown CLAY, sm. f-gravel {dense} (wet)			0	14	S-4	MACROCORE	21				
			0	15							
			0	16							
			0	17							
End of Boring @ 16'	+558.3		0	18							
			0	19							
			0	20							
			0	21							

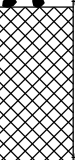
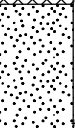
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.9			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 11.8 ft		Rock Depth 11.8 ft	
Size and Type of Bit N/A				Number of Samples 3		Disturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 5	
Sampler 2" Macrocore				Completion ∇ -			
Sampler Hammer NA/				24 HR. ∇ -			
Drilling Foreman Art				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+572.9	ASPHALT		0					
	+572.5	Gray-brown f-c sand, tr. silt, GRAVEL, sm. f-gravel, dense grade subbase	0	1					
	+570.9	Black f-c SAND, sm. silt, woody debris and tr. brick (dry)	0	2	S-1	MACROCORE	31		Slight odor 2'-5', Collect sample LSB-5-B from 2'-4' @ 08:50
		Gray silty f-c SAND, tr. black silt, tr. glass (dry)	0	3					
		Gray siltyf-c SAND, tr. black silt (moist)	0	4					
		Gray silty f-m SAND (wet)	0	5	S-2	MACROCORE	33		
			0	6					
	+565.9	Brown-red CLAY and silt, tr. c-sand, overlying silts and clays (wet)	0	7					Collect sample LSB-5-B from 10'-12' @ 09:00
		Red-brown CLAY and silt, tr. c-sand, tr. f-gravel, overlying silts and clays (wet)	0	8					
			0	9	S-3	MACROCORE	27		
	+561.1	Weathered rock @ 11.8'	0	10					
		End of Boring @ 11.8'	0	12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

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Project FONF Expansion Sabre Park BCP					Project No. 140091401				
Location Niagra Falls, NY					Elevation and Datum Approx. el. 572.23				
Drilling Company SJB Drilling					Date Started 6/26/13		Date Finished 6/26/13		
Drilling Equipment Truck Mounted Geoprobe 6620 DT					Completion Depth 11.2 ft		Rock Depth 11.2 ft		
Size and Type of Bit N/A					Number of Samples 3		Undisturbed 0		Core 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A		Water Level (ft.) First 5.1		Completion -		24 HR. -
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Art			
Sampler 2" Macrocore					Inspecting Engineer Justin Hall				
Sampler Hammer NA/		Weight (lbs) N/A		Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist BL/ft	N-Value (Blows/ft)	
	+572.2	ASPHALT		0						
	+571.8	Brown-gray m-c sand, f-GRAVEL, tr. silt, sm. asphalt, and dense grade subbase (dry)	0	1						
	+570.7	Gray-black f-c sand, FILL, sm. silt, tr. f-gravel, brick/concrete, fibers, roots (moist)	0	2	S-1	MACROCORE	31			
			0	3						
			0	4						
	+568.2	Gray-brown silty f-m SAND, tr. f-gravel (wet)	0	5						
	+566.2	Red-brown CLAY and silt, tr. f-m sand, tr. f-gravel (wet)	0	6	S-2	MACROCORE	41			
		Red-brown CLAY, sm. silt, tr. f-gravel, tr. c-sand	0	7						
			0	8						
			0	9						
			0	10	S-3	MACROCORE	25			
	+560.2	End of Boring @ 12'	0	12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

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Project FONF Expansion Sabre Park BCP					Project No. 140091401				
Location Niagra Falls, NY					Elevation and Datum Approx. el. 572.5				
Drilling Company SJB Drilling					Date Started 6/26/13		Date Finished 6/26/13		
Drilling Equipment Truck Mounted Geoprobe 6620 DT					Completion Depth 10.5 ft		Rock Depth 10.5 ft		
Size and Type of Bit N/A					Number of Samples 3		Disturbed 0		Core 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A		Water Level (ft.) First ∇ -		Completion ∇ -		24 HR. ∇ -
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Dan Delude			
Sampler 2" Macrocore					Inspecting Engineer Kyle Zalaski				
Sampler Hammer NA/		Weight (lbs) N/A		Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)	BL/ft		
	+572.5	ASPHALT		0								
	+572.0	Gray f-GRAVEL, sm. f-c SAND, little silt {loose} (dry)		1								
	+571.5	Brown f-c sand, FILL, sm. silt, sm. f-gravel (dry)	0	2	S-1	MACROCORE	3					
		concrete, FILL	0	3								
		Tan gravel, FILL	0	4								
		Gray clay, sm. silt, tr. FILL (brick)	0	5								
	+568.5	Gray CLAY, tr. f-sand (moist)	0	6	S-2	MACROCORE	44					
		Reddish-brown CLAY, sm. f-c sand {dense} (moist)	0	7								
			0	8								
		Reddish-brown CLAY, sm. f-c sand {dense} (moist)	0	9								
			0	10	S-3	MACROCORE	28					
	+562.0	End of Boring @ 10.5'	0	11								
				12								
				13								
				14								
				15								
				16								
				17								
				18								
				19								
				20								

Collect sample LSB-7-A from 3'-5' @ 9:37

Collect sample LSB-7-B from 8'-10' @ 9:55

No groundwater interface observed

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.51			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12.8 ft		Rock Depth 12.8 ft	
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
Sampler 2" Macrocore				Water Level (ft.) First 4		Completion - 24 HR. -	
Sampler Hammer NA/				Weight (lbs) N/A		Drop (in) N/A	
				Drilling Foreman Art			
				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+573.5	ASPHALT		0					
	+573.2	Brown-gray f-c sand, sm. f-gravel, tr. silt, asphalt and dense grade (dry)	0	1					
	+572.0	Brown/gray-black f-c sand, sm. silt, sm. f-gravel, 2' of slag @ 1.7' (dry)	0	2	S-1	MACROCORE	30		Slight odor 1.5'-4', Collect sample LSB-8-A from 1.5'-3.5' @ 15:40
		Brown-gray f-SAND, sm. silt, intrusions of black silt (dry)	0	3					
	+569.5	Brown-gray silty f-SAND, tr. m-sand (wet)	0	4					
			0	5					
			0	6	S-2	MACROCORE	37		Collect sample LSB-8-B from 6'-8' @ 15:50
			0	7					
	+566.5	Gray/brown-red CLAY and silt, overlying clay and silt layers (wet)	0	8					
			0	9					
		Gray/brown-red CLAY and silt, tr. m-sand, overlying clay and silt layers (wet)	0	10	S-3	MACROCORE	30		
			0	11					
	+560.7	Red-brown CLAY and silt, tr. c-sand, rock fragments @ 12.8'	0	12					
		End of Boring @ 12.8'	0	13	S-4	MACROCORE	8		
				14					
				15					
				16					
				17					
				18					
				19					
				20					

Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.84			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 13 ft		Rock Depth 13 ft	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ - Completion ∇ - 24 HR. ∇ -	
Sampler 2" Macrocore				Drilling Foreman Dan Delude			
Sampler Hammer NA/				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist BL/ft	N-Value (Blows/ft) 10 20 30 40			
	+573.8	ASPHALT	0	0								
	+573.3	Gray f-GRAVEL, sm. f-c sand, sm. asphalt, tr. silt {loose} (dry)	0	1								
		Gray f-GRAVEL, sm. f-c sand, tr. silt (dry)	0	2	S-1	MACROCORE	35					Gravel @ 1.25-2.2 appears to be fractured cobbles/boulders
	+571.6	Gray- brown CLAY, sm. silt, tr. f-sand {dense} (moist)	0	3								
+570.9	Brown-gray f-SAND, sm. silt, tr. clay {dense} (moist)	0	4									
			0	5								
	+567.8	Reddish-brown-gray CLAY, sm. silt, tr. f-sand {dense} (moist)	0	6	S-2	MACROCORE	39					Collect sample LSB-9-A from 4'-6' @ 14:45 (vocs 5.5-6)
		Reddish-brown-gray CLAY, sm. silt, tr. f-sand {dense} (moist)	0	7								
			0	8								
			0	9								
		Reddish-brown-gray CLAY, sm. silt, tr. f-sand {dense} (moist)	0	10	S-3	MACROCORE	43					Collect sample LSB-9-B 8'-10' @ 15:00 (vocs 4.5-10)
		Reddish-brown-gray CLAY, sm. silt, tr. f-sand {dense} (moist)	0	11								
		Reddish-brown-gray CLAY, sm. silt, tr. f-sand {dense} (moist)	0	12								
		Reddish-brown- gray CLAY, sm. f-gravel	0	13	S-4	MACROCORE	24					
		End of Boring @ 13'	0	14								
				15								
				16								
				17								
				18								
				19								
				20								

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Project FONF Expansion Sabre Park BCP				Project No. 140091401																																																																																																																																																																																																																											
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.97																																																																																																																																																																																																																											
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13																																																																																																																																																																																																																									
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/E																																																																																																																																																																																																																									
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0																																																																																																																																																																																																																									
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0																																																																																																																																																																																																																									
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 4																																																																																																																																																																																																																									
Sampler 2" Macrocore				Drilling Foreman Dan Delude																																																																																																																																																																																																																											
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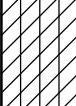
Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.25			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 11.5 ft		Rock Depth 11.5 ft	
Size and Type of Bit N/A				Number of Samples 3		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 4.9	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer NA/				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+572.3	ASPHALT		0					
	+572.0	Gray c-f SAND, sm. f-gravel, tr. silt, asphalt and dense grade, subbase (dry)		1					Slight odor @ 11"-16"
	+570.8	Gray f-c SAND, sm. silt, tr. f-gravel (dry)		2	S-1	MACROCORE	32		Slight odor @ 16"-27"
		Gray black f-c SAND, sm. silt, tr. f-gravel, tr. fill (brick, concrete, coarse ash) (dry)	239	3					Collect sample LSB-12-A from 2'-4' @ 09:10
		Gray-brown silty f-m SAND (moist-wet)	17	4					Slight odor @ 48"-52"
	+567.8	Brown-gray silty f-m SAND, sm. silt (wet)		5					
	+566.3	Black-gray silty f-SAND, tr. c-sand (wet)		6	S-2	MACROCORE	32		Collect sample LSB-12-B from 6'-8' @ 09:20
		Red-brown CLAY, sm. silt, tr. c-sand (wet)		7					
		Red-brown CLAY and silt, tr. c-sand, tr. f-gravel (wet)		8					
		Red-brown CLAY, sm. silt, tr. c-sand, tr. f-gravel (wet)		9	S-3	MACROCORE	23		
	+560.8	End of Boring @ 11.5'		10					
				11					
				12					Hammer refusal @ 11.5'
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

Project						Project No.									
FONF Expansion Sabre Park BCP						140091401									
Location						Elevation and Datum									
Niagra Falls, NY						Approx. el. 571.84									
Drilling Company						Date Started				Date Finished					
SJB Drilling						6/26/13				6/26/13					
Drilling Equipment						Completion Depth				Rock Depth					
Truck Mounted Geoprobe 6620 DT						10.8 ft				10.8 ft					
Size and Type of Bit						Number of Samples		Disturbed		Undisturbed		Core			
N/A								3		0		0			
Casing Diameter (in)				Casing Depth (ft)		Water Level (ft.)		First		Completion		24 HR.			
N/A				N/A		▽		4		▼		-			
Casing Hammer		Weight (lbs)		Drop (in)		Drilling Foreman									
N/A		N/A		N/A		Dan Delude									
Sampler						Inspecting Engineer									
2" Macrocore						Kyle Zalaski									
Sampler Hammer		Weight (lbs)		Drop (in)											
NA/		N/A		N/A											
MATERIAL SYMBOL	Elev. (ft)	Sample Description				PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
	+571.8	ASPHALT				0	0								
	+571.3	Brown f-c SAND, sm. silt, sm. f-gravel {loose} (dry)				0.4									
	+570.8	Brown f-c SAND, sm. f-gravel, sm. silt, sm. asphalt, tr. tar-like material {loose} (dry)				4.1	1	S-1	MACROCORE	40					
		Brown to dark gray f-SAND, sm. silt, sm. clay, tr. f-gravel {dense} (moist)				6.1									
		Brown to gray silty f-SAND, sm. f-gravel, sm. clay {dense} (wet)				0.9	2								
						1.9									
						6.2	3								
						6.7									
						0	4								
	+566.8	Reddish-brown CLAY, sm. silty f-sand, sm. clay, sm. f-gravel {dense} (wet)				0		S-2	MACROCORE	41					
						0	5								
						0	6								
						0	7								
						0	8								
		Reddish-brown CLAY, sm. silty f-sand, sm. clay, sm. f-gravel {dense} (wet)				0									
		Reddish-gray CLAY, sm. silt, tr. f-sand, sm. f-gravel				0	9								
						0	10	S-3	MACROCORE	23					
	+561.0	End of Boring @ 10.8'				0	11								
						0	12								
						0	13								
						0	14								
						0	15								
						0	16								
						0	17								
						0	18								
						0	19								
						0	20								

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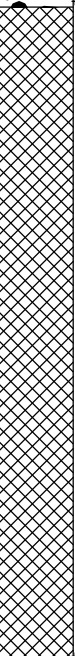
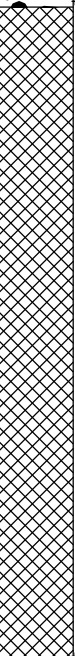
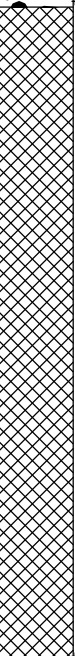
Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.34			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 13.5 ft		Rock Depth 13.5 ft	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 8	
Sampler 2" Macrocore				Completion ∇ -			
Sampler Hammer NA/				24 HR. ∇ -			
				Drilling Foreman Art			
				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	N-Value (Blows/ft)		
	+572.3	ASPHALT		0						
	+572.0	Gray c-f SAND, sm. f-gravel, tr. silt {loose} (dry)		1						
	+571.3	Brown to gray f-c SAND, sm. f-gravel, sm. silt {moderately dense} (moist)		2	S-1	MACROCORE	42			Collect sample LSB-14-A from 1'-3' @ 15:40 (vocs 1.5'-2')
	+570.1	Layer of slag		3						
		Gray SILTY CLAY, sm. f-sand, tr. f-gravel (moist)		4						
		Gray SILTY CLAY, tr. f-sand (moist)		5						
		Brown to gray SILTY CLAY, sm. f-sand		6	S-2	MACROCORE	38			Collect sample 4'-5.5' @ 16:00 (vocs 5'-5.5')
	+566.8	Reddish brown CLAY, tr. silt, tr. f-sand {very dense} (moist)		7						
		Reddish brown CLAY, tr. silt, tr. f-sand {very dense} (wet)		8						
		Reddish brown CLAY, sm. silt, sm. f-sand, sm. f-gravel {dense} (wet)		9	S-3	MACROCORE	18			
		Reddish brown CLAY, sm. silt, sm. f-gravel, sm. f-sand {dense} (wet)		10						
	+558.7	End of Boring @ 13.6'		11	S-4	MACROCORE	12			Refusal at 13.6'

Project FONF Expansion Sabre Park BCP				Project No. 140091401						
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.17						
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13				
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 13.6 ft		Rock Depth 13.6 ft				
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0				
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0				
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 5				
Sampler 2" Macrocore				Drilling Foreman Art						
Sampler Hammer NA/				Inspecting Engineer Justin Hall						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist. BL/6in		N-Value (Blows/ft)
	+573.2	ASPHALT		0						Slight odor @ 0'-4', Collect sample LSB-15-A from 1'-3' @ 10:50
	+572.9	Brown-gray f-c SAND, sm. f-gravel, tr. silt, asphalt subbase	0	1	S-1 MACROCORE	39				
	+572.2	Black-gray f-m SAND, sm. silt, tr. f-gravel, tr. fill (wood)	0	2						
		Gray-brown silty f-m SAND, tr. c-sand, tr. black silt intrusions	0	3						
		Gray-brown silty f-m SAND, wet @ 5', tr. c-sand (wet)	0	4	S-2 MACROCORE	48				Collect sample LSB-15-B from 5'-7' @ 11:00
			0	5						
			0	6						
	+566.2	Brown-gray-red CLAY and silt, tr. c-sand, tr. f-gravel	0	7	S-3 MACROCORE	18				
	Brown-gray-red CLAY and silt, tr. c-sand, tr. f-gravel (wet)	0	8							
	Red-brown CLAY and silt, tr. m-c sand, tr. f-gravel (wet)	0	9							
		Red-brown CLAY and silt, tr. m-c sand, tr-f-gravel, weathered rock @ 13.6'	0	10	S-4 MACROCORE	12				
			0	11						
			0	12						
	+559.6	End of Boring @ 13.6'	0	13						
			0	14						
				15						
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Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13																																																																																																																																																																																																																						
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12.2 ft		Rock Depth 12.2 ft																																																																																																																																																																																																																						
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0																																																																																																																																																																																																																						
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Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 5.5																																																																																																																																																																																																																						
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Project FONF Expansion Sabre Park BCP				Project No. 140091401						
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.06						
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13				
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/E				
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0				
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0				
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 4.7				
Sampler 2" Macrocore				Drilling Foreman Art						
Sampler Hammer NA/				Inspecting Engineer Justin Hall						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist BL/in		N-Value (Blows/ft)
	+572.1			0						
	+571.8	ASPHALT		1						
	+571.1	Gray f-c SAND, sm. f-gravel, sm. asphalt, tr. silt, dense grade subbase (dry)	0	2	S-1	MACROCORE	37			Slight odor @ 2', Collect sample LSB-17-A from 2'-4' @ 08:05
		Gray-black f-c SAND sm. silt, tr. f-gravel, tr. fill (wood debris) (dry)	0	3						Slight odor @ 3'-4'
		Black silty f-c SAND, tr. f-gravel (moist)	0	4						
		Black silty f-c SAND, tr. f-gravel (moist)	0	5	S-2	MACROCORE	32			Slight odor 4'-5'
		Gray-brown silty f-c SAND, sm. c-f-gravel (moist)	0	6						
			0	7						
		f-c SAND, sm. silt, sm. f-gravel (saturated)	0	8	S-3	MACROCORE	17			Collect sample LSB-17-B from 10'-12' @ 08:15
			0	9						
			0	10						
			0	11	S-4	MACROCORE	0			
			0	12						
			0	13						
			0	14						
			0	15						
	+556.1	End of Boring @ 16'	0	16						
				17						
				18						
				19						
				20						

Project					Project No.									
FONF Expansion Sabre Park BCP					140091401									
Location					Elevation and Datum									
Niagra Falls, NY					Approx. el. 572.27									
Drilling Company					Date Started					Date Finished				
SJB Drilling					6/26/13					6/26/13				
Drilling Equipment					Completion Depth					Rock Depth				
Truck Mounted Geoprobe 6620 DT					11.8 ft					11.8 ft				
Size and Type of Bit					Number of Samples		Disturbed			Undisturbed		Core		
N/A					3					0		0		
Casing Diameter (in)			Casing Depth (ft)		Water Level (ft.)		First		Completion		24 HR.			
N/A			N/A		5.3		5.3		-		-		-	
Casing Hammer		Weight (lbs)		Drop (in)		Drilling Foreman								
N/A		N/A		N/A		Art								
Sampler					Inspecting Engineer									
2" Macrocore					Justin Hall									
Sampler Hammer		Weight (lbs)		Drop (in)										
N/A		N/A		N/A										
MATERIAL SYMBOL														
Elev. (ft)														
Sample Description														
PID Reading (ppm)														
Depth Scale														
Sample Data														
Remarks														
(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)														
+572.3														
+572.0														
+571.3														
+565.3														
+560.5														
End of Boring @ 11.8'														
0														
1														
2														
3														
4														
5														
6														
7														
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.24			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 13.9 ft		Rock Depth 13.9 ft	
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 5.5 Completion - 24 HR. -	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer NA/				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)	
	+573.2			0						
	+572.9	ASPHALT		0						
	+572.2	Brown-gray f-c SAND, sm. f-gravel, tr. silt, asphalt and dense grade subbase		0	1					
		Gray f-c SAND, sm. f-gravel, tr. silt,		0	2	S-1	MACROCORE	38		
		Gray-black f-c SAND, tr. silt, tr. fill (brick, roots) tr. tar-like material		0	3					
				0	4					
		Brown-gray silty f-SAND, sm. intrusions of black silt and brick, tr. c-sand, (moist)		0	5					
	+567.2			0	6	S-2	MACROCORE	41		
		Brown-gray silty f-SAND, tr. m-sand (wet)		0	7					
				0	8					
		Brown-gray silty f-SAND, tr. c-sand (wet)		0	9					
				0	10	S-3	MACROCORE	35		
		Brown-gray silty f-SAND, tr. clay intrusions (saturated)		0	11					
				0	12					
		Brown-gray silty f-SAND, tr. clay intrusions (saturated)		0	13					
	+559.3			0	14	S-4	MACROCORE	24		
		End of Boring @ 13.9'		0	15					
				0	16					
				0	17					
				0	18					
				0	19					
				0	20					

Project FONF Expansion Sabre Park BCP				Project No. 140091401																																																																																																																																																																																																																																																		
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(ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		+573.8	ASPHALT		0							Collect sample LSB-22-A from 2'-4' @ 17:30 Collect sample LSB-22-B from 5'-7' @ 17:40 Hammer refusal @ 13'	+573.5	Brown-gray f-c SAND, sm. f-gravel, tr. silt, asphalt and dense grade subbase (dry)	0	1								+572.3	Gray-brown f-c SAND, sm. silt, tr. f-gravel, tr. intrusions of green f-sandy material, tr. fill (brick) (dry)	0	2	S-1	MACROCORE	33					Gray-black f-c SAND, sm. silt, tr. f-gravel, tr. fill (brick) (dry)	0	3								+569.8	Gray-black f-c SAND, sm. silt, tr. f-gravel, tr. fill (brick) (dry)	0	4								Gray-black f-c SAND, sm. silt, tr. f-gravel (dry)	0	5	S-2	MACROCORE	40					Gray-brown silty f-m SAND, tr. c-sand, tr. f-gravel (wet)	0	6								Gray-brown siltyf-m SAND, tr. c-sand, tr. f-gravel (wet)	0	7									Gray-brown silty-f-SAND, tr. m-c sand (wet)	0	8									0	9									0	10	S-3	MACROCORE	27					+562.3	Red-brown CLAY and silt tr. c-sand (saturated)	0	11									0	12								+560.8	End of Boring @ 13'	0	13										14	S-4	MACROCORE	8								15											16											17											18											19											20						
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.12			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 15.6 ft		Rock Depth 15.6 ft	
Size and Type of Bit N/A				Number of Samples 5		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ - Completion ∇ - 24 HR. ∇ -	
Sampler 2" Macrocore				Drilling Foreman Dan Delude/Art			
Sampler Hammer NA/				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
	+574.1			0							
	+573.8	ASPHALT									
	+573.3	Gray f-GRAVEL									
		Brown-dark gray f-c SAND, sm. f-gravel, sm. silt, tr. fill (brick, glass), tr. slag (moist)	0	1	S-1/S-2	MACROCORE	28/11				Collect sample LSB-23-A from 2'-4' @ 18:40 (vocs 3'-3.5') Refusal @ 3', Slag encountered @ 3', Yellow staining observed @ 3'-3.5'
			0	2							
			0	3							
		Gray f-c SAND, tr. f-gravel, tr. slag, sm. silt {moderately dense} (dry)	0	4							
	+570.1	Brown-gray-dark gray f-c SAND, tr. f-gravel, tr. organics (roots) {dense} (dry)	0	4							
		Tan-gray f-c SAND, sm. silt, sm. f-gravel {dense} (dry)	0	5	S-3	MACROCORE	46				Collect sample LSB-23-B from 6'-8' @ 19:00 (vocs 7.5'-8')
		Brown-gray f-SAND, sm. silt, sm. clay {dense} (moist)	0	6							
			0	7							
			0	8							
			0	9							
	+566.6	Reddish-brown CLAY, sm. silt {dense} (moist)	0	8							
		Reddish-brown CLAY, tr. f-sand, tr. silt {dense} (moist)	0	9							
			0	10	S-4	MACROCORE	24				
			0	11							
			0	12							
		Reddish-brown CLAY, sm. intrusions of gray to black f-m sand, tr. f-gravel (moist)	0	13							
			0	14	S-5	MACROCORE	19				
	+559.1	Gray f-GRAVEL, sm. reddish-brown clay, tr. f-sand (moist)	0	15							
	+558.5	End of Boring @ 15.6'	0	16							Refusal @ 15.6'
				17							
				18							
				19							
				20							

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.07			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 15.5 ft		Rock Depth 15.5 ft	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 7	
Sampler 2" Macrocore				Completion - 24 HR. -			
Sampler Hammer NA/				Drilling Foreman Dan Delude			
				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)			
	+574.1	ASPHALT		0								
	+573.6	Brown-gray f-c SAND, sm. f-gravel, sm. silt {moderately dense} (dry)	0	1								
	+573.1	Dark gray-black f-SAND, sm. silt, sm. clay, tr. fill (brick, wood), tr. f-gravel {dense} (slightly moist)	0	2	S-1	MACROCORE	45					
		Dark gray-black CLAY, sm. silt, tr. fill (bricks,wood), sm. f-sand {dense} (moist)	0	3							Collect sample: LSB-24-A from 3'-5' @ 17:25 (vocs 3.5'-4')	
		Dark gray-black CLAY, sm. silt, tr. fill (bricks,wood), tr. organics (roots), tr. f-sand {dense} (moist)	0	4								
	+568.6	Gray f-SAND, sm. silt	0	5	S-2	MACROCORE	46					Collect sample LSB-24-B from 5'-7' @ 17:45 (vocs 6.5'-7')
		Moist, wet	0	6								
		Gray f-SAND, sm. silt, tr. clay {dense} (wet)	0	7								
			0	8								
	+564.4	Gray-reddish-brown CLAY, sm. silt, tr. f-sand {dense} (wet)	0	9								
		Gray-reddish-brown CLAY, sm. silt, tr. f-sand {dense} (wet)	0	10	S-3	MACROCORE	41					
			0	11								
			0	12								
			0	13								
			0	14	S-4	MACROCORE	38					
	+558.6	Reddish-gray CLAY, sm. silt {loose} (wet)	0	15								
		Reddish-gray CLAY, sm. f-gravel {dense} (wet)	0	16							Refusal @ 15.5'	
		End of Boring @ 15.5'		17								
				18								
				19								
				20								

Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.52			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 15.9 ft		Rock Depth 15.9 ft	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 6.8	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer NA/				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+573.5	ASPHALT		0					
	+573.2	Brown-gray f-c SAND, sm. silt, asphalt, sm. f-gravel, dense grade subbase (dry)		1					
	+571.5	Brown-gray f-c SAND, sm. silt, tr. f-gravel, tr. intrusions of black silt (dry)		2	S-1	MACROCORE	30		Collect sample LSB-25-A from 3'-5' @ 16:15 Slight odor @ 4'-5'
		Black silty f-SAND (dry)		3					
		Black-gray silty f-SAND (moist)		4					
		Brown-gray SILTY CLAY, sm. f-sand, tr. c-sand (wet)		5	S-2	MACROCORE	44		
	+568.5	Brown-gray SILTY CLAY, sm. f-sand, tr. c-sand		6					Collect sample LSB-25-B from 10'-12' @ 17:05
				7					
				8					
				9	S-3	MACROCORE	27		
	+562.0	Brown-red CLAY and silt, tr. c-sand (wet)		10					Hammer refusal @ 15.9'
		Brown-red CLAY and silt, tr. c-sand, tr. f-gravel (saturated)		11					
				12	S-4	MACROCORE	26		
				13					
	+557.6			14					
				15					
				16					
				17					
				18					
				19					
				20					

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Project FONF Expansion Sabre Park BCP					Project No. 140091401				
Location Niagra Falls, NY					Elevation and Datum Approx. el. 573.49				
Drilling Company SJB Drilling					Date Started 6/25/13		Date Finished 6/25/13		
Drilling Equipment Truck Mounted Geoprobe 6620 DT					Completion Depth 16 ft		Rock Depth N/E		
Size and Type of Bit N/A					Number of Samples 4		Disturbed 0		Core 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A		Water Level (ft.) First ∇ 6		Completion ∇ -		24 HR. ∇ -
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Art			
Sampler 2" Macrocore					Inspecting Engineer Justin Hall				
Sampler Hammer NA/		Weight (lbs) N/A		Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
	+573.5	TOPSOIL, brown f-m sand, sm. silt, sm. roots, sm. organic material (dry)		0							
	+572.5	Brown f-m SAND, tr. silt (dry)	0	1							
		Brown-gray f-c SAND, sm. silt, tr. f-gravel, tr. intrusions of black silt (dry)	0	2	S-1	MACROCORE	41				Collect sample LSB-27-A from 2'-4' @ 18:10
			0	3							
		Brown-gray f-c SAND, sm. silt, tr. intrusions of black silt (moist)	0	4							Slight odor @ 3.5'-4'
	+568.5	Brown-gray silty f-SAND, tr. intrusions of black silt (wet)	0	5							Slight odor @ 4'-5'
			0	6	S-2	MACROCORE	46				
			0	7							
		Brown-gray silty f-SAND, tr. intrusions of black silt (wet)	0	8							
			0	9							
	+564.0	Red CLAY, sm. silt, tr. m-sand (wet)	0	10	S-3	MACROCORE	48				
			0	11							
		Red CLAY sm. gray silt (wet)	0	12							
		Brown-red silty CLAY, tr. c-sand, tr. f-gravel (wet)	0	13							
		Red CLAY, tr. f-gravel (wet)	0	14	S-4	MACROCORE	45				Collect sample LSB-27-B from 14'-16' @ 18:20
		Red-brown silty CLAY, tr. f-gravel (wet)	0	15							
	+557.5	End of Boring @ 16'	0	16							
				17							
				18							
				19							
				20							

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.6			
Drilling Company SJB Drilling				Date Started 6/25/13		Date Finished 6/25/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 13.5 ft		Rock Depth N/E	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 5.3	
Sampler 2" Macrocore				Completion ∇ N/A			
Sampler Hammer N/A				24 HR. ∇ N/A			
Drilling Foreman Dan Delude				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+573.6	4" TOPSOIL	0	0					
	+573.3	Brown-dark brown f-m SAND, sm. silt, tr. organics (dry)	0	1					
		Brown-gray f-SAND, sm. silt, tr. organics, tr. clay (moist)	0	2	S-1	MACROCORE	45		
			0	3					Collect sample LSB-28-A from 1'-3' @ 17:20
		Brown-gray f-SAND, tr. silt, tr. organics, tr. clay (moist)	0	4					
	+568.6	Brown-gray CLAY, sm. silty f-sand, tr. clay (wet)	0	5	S-2	MACROCORE	45		
			0	6					Collect sample LSB-28-B from 4'-5.5' @ 17:30
		Brown-gray CLAY, sm. silty f-sand (wet)	0	7					
		Brown-gray CLAY, sm. silt, tr. f-sand (wet)	0	8					
			0	9					
		Brown-gray CLAY, little silt, tr. f-sand (wet)	0	10	S-3	MACROCORE	46		
			0	11					
		Reddish brown CLAY, sm. silty f-sand, little m-c sand, little f-gravel, weathered rock @ 13.5' (wet)	0	12					
			0	13					
	+560.1	End of boring @ 13.5'	0	14	S-4	MACROCORE	18		
			0	15					Refusal @ 13.5'
			0	16					
			0	17					
			0	18					
			0	19					
			0	20					

Project					Project No.								
FONF Expansion Sabre Park BCP					140091401								
Location					Elevation and Datum								
Niagra Falls, NY					Approx. el. 574.56								
Drilling Company					Date Started		Date Finished						
SJB Drilling					6/26/13		6/26/13						
Drilling Equipment					Completion Depth		Rock Depth						
Truck Mounted Geoprobe 6620 DT					16 ft		N/E						
Size and Type of Bit					Number of Samples		Disturbed		Undisturbed	Core			
N/A					4		0		0				
Casing Diameter (in)			Casing Depth (ft)		Water Level (ft.)		First	Completion		24 HR.			
N/A			N/A		▽		6	▼		-			
Casing Hammer		Weight (lbs)		Drop (in)	Drilling Foreman								
N/A		N/A		N/A	Art								
Sampler					Inspecting Engineer								
2" Macrocore					Justin Hall								
Sampler Hammer		Weight (lbs)		Drop (in)									
NA/		N/A		N/A									
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data							Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist	BL/ft	N-Value (Blows/ft)			
	+574.6												
	+574.1	Brown TOPSOIL, f-c sand, tr. organic matter (dry)		0									Collect sample LSB-29-A from 2'-4' @ 11:15
		Brown-gray c-f SAND, tr. cobbles, tr. f-gravel		0									
		Brown silty f-SAND, tr. m-sand, tr. f-gravel		0		S-1	MACROCORE	36					
				0									
	+571.6	Gray-dark gray silty f-SAND, tr. m-sand, tr. f-gravel		0									Collect sample LSB-29-B from 10'-12' @ 11:55
				0									
		Gray-brown silty f-SAND, tr. m-sand, tr. f-gravel (moist)		0									
		Brown-gray silty f-SANDtr. m-c sand, tr. f-gravel (wet)		0									
				0		S-2	MACROCORE	34					
				0									
				0									
				0									
				0									
				0									
				0									
				0									
	+564.6	Brown c-SAND, tr f-gravel (saturated)		0		S-3	MACROCORE	42					
		Red-brown CLAY and silt, tr. c-sand, tr. f-gravel (wet)		0									
				0									
		Red-brown CLAY and silt, tr. c-sand		0									
				0									
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Project FONF Expansion Sabre Park BCP				Project No. 140091401																																																																																																																																														
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.07																																																																																																																																														
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13																																																																																																																																												
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/E																																																																																																																																												
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0																																																																																																																																												
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0																																																																																																																																												
Casing Hammer N/A				Weight (lbs) N/A		Drop (in) N/A																																																																																																																																												
Sampler 2" Macrocore				Drilling Foreman Art																																																																																																																																														
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<table border="1"> <thead> <tr> <th rowspan="2">MATERIAL SYMBOL</th> <th rowspan="2">Elev. (ft)</th> <th rowspan="2">Sample Description</th> <th rowspan="2">PID Reading (ppm)</th> <th rowspan="2">Depth Scale</th> <th colspan="4">Sample Data</th> <th rowspan="2">Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)</th> </tr> <tr> <th>Number</th> <th>Type</th> <th>Recov. (in)</th> <th>N-Value (Blows/ft)</th> </tr> </thead> <tbody> <tr> <td rowspan="4"></td> <td>+573.1</td> <td>TOPSOIL</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="16">Slight odor @ 4'-6', Collect sample LSB-30-A from 4'-6' @ 18:05</td> </tr> <tr> <td rowspan="3">+572.6</td> <td>Brown-gray f-c SAND, sm. f-gravel, tr. silt, (dry)</td> <td>0</td> <td>1</td> <td rowspan="4">S-1</td> <td rowspan="4">MACROCORE</td> <td rowspan="4">16</td> <td rowspan="4"></td> </tr> <tr> <td>Gray-black f-m SAND, sm. silt, tr. c-sand (dry)</td> <td>0</td> <td>2</td> </tr> <tr> <td></td> <td>0</td> <td>3</td> </tr> <tr> <td></td> <td>0</td> <td>4</td> </tr> <tr> <td></td> <td>0</td> <td>5</td> <td rowspan="4">S-2</td> <td rowspan="4">MACROCORE</td> <td rowspan="4">35</td> <td rowspan="4"></td> </tr> <tr> <td>Black, f-m SAND sm. silt, tr. f-gravel (moist)</td> <td>0</td> <td>6</td> </tr> <tr> <td>Brown-gray silty f-SAND, tr. sand, tr. f-gravel (moist)</td> <td>0</td> <td>7</td> </tr> <tr> <td></td> <td>0</td> <td>8</td> </tr> <tr> <td></td> <td>0</td> <td>9</td> <td rowspan="4">S-3</td> <td rowspan="4">MACROCORE</td> <td rowspan="4">20</td> <td rowspan="4"></td> </tr> <tr> <td>Brown-gray silty f-SAND, tr. c-sand (saturated)</td> <td>0</td> <td>10</td> </tr> <tr> <td></td> <td>0</td> <td>11</td> </tr> <tr> <td></td> <td>0</td> <td>12</td> </tr> <tr> <td rowspan="2"></td> <td rowspan="2">+562.1</td> <td>Red-brown CLAY and silt, tr. sand, tr. f-gravel (saturated)</td> <td>0</td> <td>13</td> <td rowspan="2">S-4</td> <td rowspan="2">MACROCORE</td> <td rowspan="2">21</td> <td rowspan="2"></td> </tr> <tr> <td>Red-brown CLAY and silt, tr. sand, tr. f-gravel (saturated)</td> <td>0</td> <td>14</td> </tr> <tr> <td></td> <td>+557.1</td> <td>End of boring @ 16'</td> <td></td> <td>15</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr><td></td><td></td><td></td><td></td><td>16</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>17</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>18</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>19</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>20</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>								MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	Number	Type	Recov. (in)	N-Value (Blows/ft)		+573.1	TOPSOIL		0					Slight odor @ 4'-6', Collect sample LSB-30-A from 4'-6' @ 18:05	+572.6	Brown-gray f-c SAND, sm. f-gravel, tr. silt, (dry)	0	1	S-1	MACROCORE	16		Gray-black f-m SAND, sm. silt, tr. c-sand (dry)	0	2		0	3		0	4		0	5	S-2	MACROCORE	35		Black, f-m SAND sm. silt, tr. f-gravel (moist)	0	6	Brown-gray silty f-SAND, tr. sand, tr. f-gravel (moist)	0	7		0	8		0	9	S-3	MACROCORE	20		Brown-gray silty f-SAND, tr. c-sand (saturated)	0	10		0	11		0	12		+562.1	Red-brown CLAY and silt, tr. sand, tr. f-gravel (saturated)	0	13	S-4	MACROCORE	21		Red-brown CLAY and silt, tr. sand, tr. f-gravel (saturated)	0	14		+557.1	End of boring @ 16'		15									16									17									18									19									20				
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data								Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)																																																																																																																																					
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	+562.1	Red-brown CLAY and silt, tr. sand, tr. f-gravel (saturated)	0	13	S-4	MACROCORE	21																																																																																																																																											
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el.			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/E	
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 8		Undisturbed 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Core 0	
Sampler 2" Macrocore				Drilling Foreman Dan DeLude			
Sampler Hammer N/A				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
		ASPHALT		0							
		Brown f-c SAND, sm. silt, little f-gravel {loose} (dry)		1							
		Gray f-c SAND, little f-gravel, little silt, Intrusion of white f-material @ 25" {moderately dense} (dry)		2	S-1	MACROCORE	38				Collect sample LSB-34-A from 3'-4.5' @ 11:35
		Gray-dark gray CLAY, little bluish-green f-c sand, tr. f-sand {dense} (moist)		3							
		Gray-dark gray CLAY, tr. f-sand {moderately dense} (dry)		4							
		Brown-gray f-SAND, sm. silt, little clay {dense} (moist)		5	S-2	MACROCORE	46				
		Gray-reddish brown CLAY, sm. f-sand {dense} (moist)		6							Collect sample LSB-34-B from 6'-8' @ 12:05
		Gray to reddish brown CLAY, tr. f-sand (wet)		7							
				8	S-3	MACROCORE	42				
				9							
		Reddish-brown CLAY, sm. f-gravel {dense} (wet)		10							
				11	S-4	MACROCORE	43				
		Reddish-brown f-c SAND, sm. f-gravel, sm. clay {dense} (wet)		12							
				13							
		End of boring @16		14							
				15							
				16							
				17							
				18							
				19							
				20							

Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.93			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/E	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
Sampler 2" Macrocore				Water Level (ft.) First 7.2		Completion N/A	
Sampler Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
				Drilling Foreman Art			
				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+574.9	ASPHALT		0					
	+574.6	Brown-gray f-c SAND and silt, sm. f-gravel (dry)		1					
	+573.9	Gray f-c SAND, sm. silt, sm. slag, tr. f-gravel, tr. green-blue and red material (dry)		2	S-1	MACROCORE	41		Collect sample LSB-36-A from 1'-3' @ 15:00
				3					
		Brown-gray silty f-c SAND, tr. f-gravel, tr. intrusions of black silt (moist)		4					
				5					
				6	S-2	MACROCORE	27		
		Brown silty SAND, tr. f-c sand, tr. f-gravel (moist)		7					
		Brown silty SAND, tr. f-c sand, tr. f-gravel (moist)		8					
	+565.9	Red-brown CLAY and silt, tr. c-sand, tr. f-gravel		9					
				10	S-3	MACROCORE	24		Collect sample LSB-36-B from 10'-12' @ 15:10
				11					
		Red-brown CLAY and silt, tr. organic, tr. f-gravel		12					
				13					
				14	S-4	MACROCORE	17		
	+558.9	End of boring @ 16'		16					
				17					
				18					
				19					
				20					

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el.			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/E	
Size and Type of Bit N/A				Number of Samples 5		Disturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 8	
Sampler 2" Macrocore				Completion N/A			
Sampler Hammer N/A				24 HR. N/A			
Drilling Foreman Dan DeLude				Inspecting Engineer Kyle Zalaski			

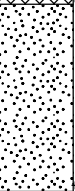
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
ASPHALT		Gray f-GRAVEL, little brown-gray f-c sand, tr. silt, tr. fill (brick) {moderately dense} (dry)	0	0					
		Gray f-GRAVEL, tr. slag	0	1					
		Gray f-c SAND, sm. f-gravel (slag), little silt, little clay {dense} (dry)	0	2	S-1	MACROCORE	35		
		Gray f-c SAND, sm. f-gravel (slag), little silt, little clay (dry)	0	3					
Gray f-c SAND, sm. f-gravel (slag), little silt, little clay (dry)			0	4					
		Brown-gray f-SAND, sm. silt {moderately dense} (dry)	0	5					
			0	6	S-2	MACROCORE	36		
			0	7					
Reddish-brown CLAY {dense} (wet)			0	8					
			0	9					
			0	10	S-3	MACROCORE	16		
			0	11					
Reddish-brown CLAY, little f-gravel {dense} (wet)			0	12					
			0	13					
			0	14	S-4	MACROCORE	8		
			0	15					
		0	16						
		0	17						
		0	18						
		0	19						
		0	20						

Project										Project No.																			
FONF Expansion Sabre Park BCP										140091401																			
Location										Elevation and Datum																			
Niagra Falls, NY										Approx. el.																			
Drilling Company										Date Started					Date Finished														
SJB Drilling										6/26/13					6/26/13														
Drilling Equipment										Completion Depth					Rock Depth														
Truck Mounted Geoprobe 6620 DT										16 ft					N/E														
Size and Type of Bit										Number of Samples		Disturbed			Undisturbed			Core											
N/A										4					0			0											
Casing Diameter (in)					Casing Depth (ft)					Water Level (ft.)		First		Completion		24 HR.													
N/A					N/A					7.1		N/A		N/A		N/A													
Casing Hammer			Weight (lbs)			Drop (in)			Drilling Foreman																				
N/A			N/A			N/A			Art																				
Sampler										Inspecting Engineer																			
2" Macrocore										Justin Hall																			
Sampler Hammer			Weight (lbs)			Drop (in)																							
N/A			N/A			N/A																							
MATERIAL SYMBOL										Sample Data										Remarks									
Elev. (ft)										Depth Scale										(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)									
Sample Description										PID Reading (ppm)																			
Brown TOPSOIL, m-f sand, tr. silt (dry)										0																			
Brown f-c SAND, sm. silt, tr. f-gravel (dry)										1																			
Brown-black f-c SAND, sm. silt, tr. f-gravel, tr. fill (brick) (dry)										2										Collect sample LSB-41-A from 3'-5' @ 12:40									
Brown-gray-black f-m SAND, sm. silt, tr. c-sand (moist)										3										Slight odor @ 3.5-4'									
										4										Slight odor @ 4-5.5'									
Brown-gray silty f-SAND, tr. f-gravel (wet)										5																			
										6																			
										7																			
Brown silty f-c SAND, tr. f-gravel (saturated)										8																			
										9																			
										10										Collect sample LSB-41-B from 10'-12' @ 12:50									
										11																			
Red-brown CLAY and silt, tr. c-sand, tr. f-gravel										12																			
										13																			
										14																			
										15																			
End of boring @ 16'										16																			
										17																			
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Project FONF Expansion Sabre Park BCP					Project No. 140091401				
Location Niagra Falls, NY					Elevation and Datum Approx. el. 575.06				
Drilling Company SJB Drilling					Date Started 6/26/13		Date Finished 6/26/13		
Drilling Equipment Truck Mounted Geoprobe 6620 DT					Completion Depth 16 ft		Rock Depth N/E		
Size and Type of Bit N/A					Number of Samples 4		Disturbed 0		Core 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A		Water Level (ft.) First ▽ 6		Completion ▽ N/A		24 HR. ▽ N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Dan DeLude			
Sampler 2" Macrocore					Inspecting Engineer Kyle Zalaski				
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
	+575.1	TOPSOIL Brown-dark brown f-c SAND, sm. f-gravel, little silt, little fill (brick, asphalt) {dense} (dry)		0						Collect sample LSB-46 A from 2'-4' @ 15:35 Collect sample LSB-46-B from 4'-6' @ 15:50	
	0			1							
	0			2	S-1	MACROCORE	33				
	0			3							
	+571.1	Brown-gray f-SAND, sm. silt, sm. clay {dense} (wet)		0	4						
	0			5							
	0			6	S-2	MACROCORE	48				
	0			7							
	+568.1	Reddish-brown CLAY {dense} (wet)		0	8						
	0			9							
	0			10	S-3	MACROCORE	42				
	0			11							
		Reddish-brown CLAY, tr. f-gravel {dense} (wet)		0	12						
				0	13						
				0	14	S-4	MACROCORE	4			
				0	15						
	+559.1	End of boring @ 16'		0	16						
				17							
				18							
				19							
				20							

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Project FONF Expansion Sabre Park BCP					Project No. 140091401				
Location Niagra Falls, NY					Elevation and Datum Approx. el. 575.08				
Drilling Company SJB Drilling					Date Started 7/2/13		Date Finished 7/2/13		
Drilling Equipment Truck Mounted Geoprobe 6620 DT					Completion Depth 16 ft		Rock Depth N/A		
Size and Type of Bit N/A					Number of Samples		Disturbed 4		Undisturbed 0
Casing Diameter (in) N/A					Casing Depth (ft) N/A		Water Level (ft.) First 6		Completion N/A
Casing Hammer N/A					Weight (lbs) N/A		Drop (in) N/A		24 HR. N/A
Sampler 2" Macrocore					Drilling Foreman Art				
Sampler Hammer N/A					Inspecting Engineer Justin Hall				

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)	
	+575.1	TOPSOIL, brown f-c sand, sm. silt, organic matter		0						Collect sample LSB-49-A from 1.5'-3.5' @ 16:30, voc sample: 1.5'-2', black silt has slight odor Collect sample LSB-49-B from 4'-6' @ 16:40, voc sample: 4'-4.5', black silt has slight odor
	+574.6	Brown-black f-c SAND, sm. silt, tr. f-gravel, slag layer @ 0.5'-0.8' brick, concrete and black silt throughout	0	1	S-1 MACROCORE	31				
			0	2						
			0	3						
		0	4							
		Black SILTY f-sand, tr. brick	0	5	S-2 MACROCORE	44				
	+569.6	Gray-brown SILTY f-sand	0	6						
			0	7						
			0	8						
		Gray-brown SILTY f-sand, sm. clay	0	9	S-3 MACROCORE	38				
	+566.1	Red-brown CLAY and silt overlying clay and silt layers throughout	0	10						
			0	11						
			0	12						
	+563.1		0	13	S-4 MACROCORE	0				
			0	14						
			0	15						
			0	16						
	+559.1	End of Boring @ 16'		17						
				18						
				19						
				20						

Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 575.68			
Drilling Company SJB Drilling				Date Started 7/2/13		Date Finished 7/2/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
Sampler 2" Macrocore				Water Level (ft.) First 4		Completion N/A	
Sampler Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
				Drilling Foreman Art			
				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)	
	+575.7			0						
	+575.4	TOPSOIL, brown f-c sand, sm. silt, organic matter (dry)		0						
		Brown f-c SAND, sm. silt, tr. f-gravel, tr. brick, @ 2.5' a 2" intrusion of shattered rock (dry)	0	1						
			0	2	S-1	MACROCORE	30			
		Brown f-c SAND, sm. silt, tr. f-gravel, tr. brick (dry)	0	3						
		Brown-black f-m SAND, sm. silt, black silt, tr. brick	0	4						
		Black silty f-SAND, tr. f-gravel, tr. c-sand, woody debris, tr. slag, tr. brick (wet)	0	5						
			0	6	S-2	MACROCORE	32			
		Black-gray silty f-SAND (wet)	0	7						
		Black-gray silty f-SAND (wet)	0	8						
			0	9						
	+566.2	Brown-red CLAY and silt, tr. m-sand, clay and silt in overlying layers throughout (wet)	0	10	S-3	MACROCORE	30			
			0	11						
		Brown-red CLAY and silt, tr. c-sand, overlying layers of clay and silt throughout	0	12						
			0	13						
			0	14	S-4	MACROCORE	23			
			0	15						
	+559.7	End of Boring @ 16'	0	16						
				17						
				18						
				19						
				20						

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.01			
Drilling Company SJB Drilling				Date Started 6/28/13		Date Finished 6/28/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12.3 ft		Rock Depth 12.3 ft	
Size and Type of Bit N/A				Number of Samples		Disturbed 4	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Undisturbed 0	
Casing Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
Sampler 2" Macrocore				Water Level (ft.) First 4		Completion N/A	
Sampler Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
Drilling Foreman Art				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+572.0	ASPHALT		0					
	+571.6	Brown-gray f-c SAND, sm. f-gravel, tr. silt, dense grade sub-base (wet)	0	1					Collect sample LSB-64-A from 1'-3' @ 08:30
			0	2	S-1	MACROCORE	37		
	+569.5	Brown, f-c SAND, sm. silt, sm. fill (roots, woody debris) (moist)	0	3					
		Brown-gray f-m silty SAND (wet)	0	4					
			0	5					
			0	6	S-2	MACROCORE	40		
	+565.0	Brown-gray f-m silty SAND, tr. c-sand (saturated)	0	7					
			0	8					
			0	9					
			0	10	S-3	MACROCORE	31		
			0	11					
	+559.7	Gray-brown f-m silty SAND (saturated)	0	12					
		Red-brown CLAY and silt, weathered rock @ 12.3' (saturated)		13					
		End of boring at 12.3'		14	S-4	MACROCORE	3		
				15					
				16					
				17					
				18					
				19					
				20					

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 571.99			
Drilling Company SJB Drilling				Date Started 6/28/13		Date Finished 6/28/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12.9 ft		Rock Depth 12.9 ft	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 7.8	
Sampler 2" Macrocore				Completion ∇ N/A			
Sampler Hammer N/A				24 HR. ∇ N/A			
Drilling Foreman Dan DeLude				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist BLU/in	N-Value (Blows/ft)	
	+572.0			0						
	+571.5	ASPHALT		0						
		Gray f-c SAND, sm. f-gravel, tr. silt (moist)	0	1						Collect sample LSB-65-A from 1'-3' @ 09:15
		Brown-gray f-SAND, little silt (moist)	0	2	S-1	MACROCORE	40			
		Gray CLAY, tr. f-sand {dense} (moist)	0	3						
		Brown-gray f-SAND, little silt, tr. clay {moderately dense} (moist)	0	4						
	+568.0	Brown-gray f-SAND, little silt, little clay {moderately dense} (moist)	0	5						
	+566.7	Brown-gray CLAY, little f-sand, tr. silt (moist)	0	6	S-2	MACROCORE	32			
	+566.3	Brown-gray f-SAND, little silt, tr. clay (moist)	0	7						
		Brown-gray f-SAND, little silt, tr. clay (wet)	0	8						
	+563.5	Brown-gray CLAY, sm. silt, tr. f-sand {dense} (wet)	0	9						
	+562.2	Brown f-c SAND, sm. silt, little clay (wet)	0	10	S-3	MACROCORE	38			
		Reddish-brown f-SAND, little silt, little clay, sm. f-gravel {very dense} (wet)	0	11						
	+559.1	End of boring @ 12.9'	0	12	S-4	MACROCORE	11			
			0	13						Refusal @ 12.9'
			0	14						
			0	15						
			0	16						
			0	17						
			0	18						
			0	19						
			0	20						

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Project FONF Expansion Sabre Park BCP					Project No. 140091401				
Location Niagra Falls, NY					Elevation and Datum Approx. el. 571.95				
Drilling Company SJB Drilling					Date Started 6/28/13		Date Finished 6/28/13		
Drilling Equipment Truck Mounted Geoprobe 6620 DT					Completion Depth 11.5 ft		Rock Depth 11.5 ft		
Size and Type of Bit N/A					Number of Samples		Disturbed 3		Undisturbed 0
Casing Diameter (in) N/A					Casing Depth (ft) N/A		Water Level (ft.) First 4		Completion N/A
Casing Hammer N/A					Weight (lbs) N/A		Drop (in) N/A		24 HR. N/A
Sampler 2" Macrocore					Drilling Foreman Art				
Sampler Hammer N/A					Inspecting Engineer Justin Hall				

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)	
	+572.0	ASPHALT		0						
	+571.7	Brown-gray f-c SAND, tr. silt, dense grade sub-base (dry)		1						
	+571.0	Brown-gray f-c SAND, sm. silt, sm. fill (fibrous material) (dry)		2	S-1	MACROCORE	35			
		Gray silty CLAY, sm. f-sand, sm. fill (fibrous material) (moist)		3						
		Brown-gray silty f-SAND, sm. fill (fibrous material) (wet)		4						
	+568.0	Brown-gray silty f-SAND, tr. c-gravel (wet)		5						
				6	S-2	MACROCORE	40			
				7						
		Brown-gray silty f-SAND, tr. c-sand, tr. f-gravel (saturated)		8						
				9						
	+562.0	Brown-red, CLAY and silt, sm. f-gravel, tr. c-sand		10	S-3	MACROCORE	40			
				11						
	+560.5	End of boring @11.5		12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 571.87			
Drilling Company SJB Drilling				Date Started 6/28/13		Date Finished 6/28/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 10.8 ft		Rock Depth 10.8 ft	
Size and Type of Bit N/A				Number of Samples 3		Undisturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 4.5		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Completion N/A	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer N/A				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+571.9	ASPHALT		0					
	+571.4	Brown-gray f-c SAND, sm. f-gravel, tr. silt, geo-fabric @ 1" under asphalt, dense grade sub-base (dry)	0	1					
	+570.9	Black-gray f-c SAND, sm. silt, sm. fill (woody debris), tr. f-gravel, (dry)	0	2	S-1	MACROCORE	42		
	+569.4	Brown-gray f-SAND, sm. silt (moist)	0	3					
		Brown-gray f-SAND, sm. silt (wet)	0	4					
			0	5	S-2	MACROCORE	48		
		Brown-gray silty f-SAND (wet)	0	6					
			0	7					
		Brown-gray silty f-SAND, tr. f-gravel, tr. clay (wet)	0	8					
			0	9					
			0	10	S-3	MACROCORE	24		
	+561.1	End of boring @ 10.8'		11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.09			
Drilling Company SJB Drilling				Date Started 6/28/13		Date Finished 6/28/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 10.3 ft		Rock Depth 10.3 ft	
Size and Type of Bit N/A				Number of Samples 3		Undisturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 3.1		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Completion N/A	
Sampler 2" Macrocore				Drilling Foreman Dan DeLude			
Sampler Hammer N/A				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+572.1			0					
	+571.6	ASPHALT (dry)	0	1					Collect sample LSB-68-A from 1'-2' @ 10:25 Collect sample LSB-68-B from 2'-4' @ 10:55
	+571.1	Gray f-GRAVEL, sm. f-c sand, tr. silt, Geo-fabric @ 1' {loose} (dry)	0	2	S-1	MACROCORE	37		
	+569.6	Gray-black f-SAND, little f-gravel, little fill (brick, wood, fibrous material), little silt (moist)	0	3					
		Gray f-SAND, little silt, tr. clay, tr. white shells {moderately dense} (moist)	0	4					
		Gray f-SAND, little silt, tr. clay, tr. white shells {moderately dense} (wet)	0	5	S-2	MACROCORE	35		
		Gray f-SAND, little silt, tr. white shells, tr. c-sand (wet)	0	6					
		Gray brown f-SAND, little silt, tr. clay, dense, tr. white shells {dense} (moist)	0	7					
			0	8					
		Gray brown f-SAND, little silt, tr. clay, dense, tr. white shells {dense} (moist)	0	9					
			0	10	S-3	MACROCORE	8		
	+562.1	Gray f-GRAVEL, little f-sand (moist)	0	11					Refusal @ 10.3'
	+561.8	End of boring @ 10.3'	0	12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 571.72			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 10.3 ft		Rock Depth 10.3 ft	
Size and Type of Bit N/A				Number of Samples		Disturbed 3 Undisturbed 0 Core 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 5		Completion 24 HR. N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Art	
Sampler 2" Macrocore				Inspecting Engineer Justin Hall			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+571.7	ASPHALT		0					
	+571.4	Brown-gray f-c SAND, sm. f-gravel, tr. silt, asphalt and dense grade sub-base		1					
	+570.7	Gray-black f-m SAND, sm. silt, tr. f-gravel, sm. fill (concrete, woody debris), tr. c-sand, tr. brick (dry)	0	2	S-1	MACROCORE	25		Slight odor 1-4', Collect sample LSB-69-A from 1'-3' @ 17:05
	+568.7	Gray-black f-c SAND and silt, sm. f-gravel	0	3					
		Gray silty f-m SAND, sm. fill (fibrous material) (moist to wet)	0	4					Slight odor @ 4-7'
			0	5	S-2	MACROCORE	40		Collect sample LSB-69-B from 5'-7' @ 17:15
		Gray silty f-SAND (wet)	0	7					
	+563.2	Gray silty f-SAND (saturated)	0	8					
		Red-brown CLAY, tr. f-m sand (saturated)		9					
	+561.4	End of boring @ 10.3	0	10	S-3	MACROCORE	20		Hammer refusal @ 10.3
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 10.5 ft		Rock Depth 10.5 ft	
Size and Type of Bit N/A				Number of Samples 3		Undisturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 4		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Completion N/A	
Sampler 2" Macrocore				Drilling Foreman Dan DeLude			
Sampler Hammer N/A				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)	
	+572.0			0						
	+571.5	ASPHALT (dry)	0	1						Collect sample LSB-70-A from 0.42'-1.25' @ 18:40
	+571.0	Gray f-c SAND, sm. greenish f-gravel, tr. silt, tr. slag (dry)	0	2	S-1	MACROCORE	42			
		Brown-gray f-SAND, sm. silt, tr. clay {dense} (moist)	0	3						
	+568.5	Brown-gray f-SAND, little silt, little clay {dense} (wet)	0	4						
			0	5						Collect sample LSB-70-B from 2'-4' @ 18:50
			0	6	S-2	MACROCORE	42			
	+565.0	Brown-gray CLAY, little silt, tr. f-sand {dense} (wet)	0	7						
		Gray CLAY, sm. silt, little f-sand (wet)	0	8						
	+562.0	Reddish-brown-gray f-SAND, sm. silt, little clay, little f-gravel {dense} (Wet)	0	9						Refusal @ 10.5'
	+561.5	End of boring at 10.5'	0	10	S-3	MACROCORE	24			
			0	11						
			0	12						
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 571.91			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 10.5 ft		Rock Depth 10.5 ft	
Size and Type of Bit N/A				Number of Samples 3		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ▽ N/E Completion ▽ N/A 24 HR. ▽ N/A	
Sampler 2" Macrocore				Drilling Foreman Dan DeLude			
Sampler Hammer N/A				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	BLU/ft	N-Value (Blows/ft)	
	+571.9	ASPHALT		0							
	+571.4	Gray f-GRAVEL, little f-c sand, tr. silt {loose} (dry)	0	1							
	+571.2	Brown-gray f-c SAND, sm. fill (asphalt, tar-like material), tr. blueish-gray f-gravel {loose} (dry)	0	2	S-1	MACROCORE	33				Collect sample LSB-71-A from 2'-2.75' @ 17:30
		Gray-dark gray CLAY, tr. silt, tr. f-c sand {dense} (moist)	0	3							
		Reddish-gray CLAY	0	4							
		Gray CLAY, little silt, tr. f-sand, tr. fill (brick, fibrous strings, wood) {dense} (moist)	0.9	5	S-2	MACROCORE	22				Collect sample LSB-71-B from 4.75'-5.8' @ 17:40
	+565.9	Reddish-brown CLAY	1.2	6							
			0.6	7							
			0	8							
			0	9	S-3	MACROCORE	22				
	+561.4	End of boring @ 10.5	0.6	10							Refusal @ 10.5'
				11							
				12							
				13							
				14							
				15							
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.04			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 11.3 ft		Rock Depth 11.3 ft	
Size and Type of Bit N/A				Number of Samples 3		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 3.5 Completion N/A 24 HR. N/A	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer N/A				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	BL/ft	N-Value (Blows/ft)	
	+572.0		0							
	+571.7	ASPHALT								
	+571.0	Brown-gray f-c SAND, sm. f-gravel, tr. silt, asphalt, dense grade sub-base (dry)	1							
	+569.5	Gray-black f-SAND, sm. silt, tr. fill (fibrous material, woody debris) (moist)	2	S-1	MACROCORE	37				
		Gray-brown, f-m SAND, sm. silt, tr. infusions of black silt (wet)	3							
		Gray-brown silty f-c SAND, tr. f-gravel, intrusions of black silt (wet)	4							
	+565.5	Brown-red CLAY and silt, tr. c-sand, tr. f-gravel, overlying layers of silt and clay (wet)	6	S-2	MACROCORE	48				
		Red-brown CLAY and silt, tr. sand, tr. f-gravel, overlying layers silts and clay (wet)	8							
			9							
			10	S-3	MACROCORE	28				
	+560.7	End of boring @ 11.3'	11							
			12							
			13							
			14							
			15							
			16							
			17							
			18							
			19							
			20							

Black sand and clay have slight order @ 1'-2.5', Collect sample LSB-72-A from 1'-3' @ 18:10

Collect sample LSB-72-B from 9'-11' @ 18:25

Hammer refusal @ 11.3'

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)			
				Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)					
	+572.0		0						10	20	30	40	
	+571.7	ASPHALT											Collect sample LSB-73-A from 1'-3' @ 20:10
	+571.0	Brown-gray f-c SAND, tr. silt, tr. fill (fibrous material under sub-base (geo-fabric)), asphalt and dense grade sub-base (dry)	1										
		Brown-gray f-m SAND, sm. silt, tr. intrusions of black silt (dry)	2	S-1	MACROCORE	32							
	+569.0		3										
		Brown-gray silty f-SAND (moist)	4										
		Gray-brown silty f-SAND (wet)	5										
			6	S-2	MACROCORE	48							
			7										
			8										
			9										
	+562.0		10										
		Gray-brown silty f-m SAND, tr. c-sand, tr. f-gravel (saturated)	11										
			12	S-3	MACROCORE	48							
	+560.2	Gray silty CLAY, tr. f-m sand, tr. intrusions of coarse sand @ 10' (saturated)	13										
		Red-brown CLAY and silt, weathered rock @ 11.8' (saturated)	14										
	+560.2	End of boring at 11.8'	15										
			16										
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.24			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 13.5 ft		Rock Depth 13.5 ft	
Size and Type of Bit N/A				Number of Samples		Disturbed 4 Undisturbed 0 Core 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 4 Completion --		24 HR. --	
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A		Drilling Foreman Dan DeLude			
Sampler 2" Macrocore				Inspecting Engineer Kyle Zalaski			
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+572.2	ASPHALT		0					
	+571.9	Brown to gray f-c SAND, sm. f-gravel, sm. coal (asphalt), sm. silt, dense (moist)	0	1	S-1 MACROCORE	35			Collect sample LSB-74-A from 1'-3' (vocs 2.5'-3') @ 19:55
	+571.2	Brown to gray f-c SAND, sm. f-gravel, tr. silt, loose (moist)	0	2					
			0	3					
		Brown to gray CLAY, sm. f-c sand, tr. f-gravel, moderately dense (moist)	0	4	S-2 MACROCORE	9			Poor recovery from 4'-8' Macrocore from 4'-8' very wet
		Gray to dark gray CLAY, sm. f-gravel, tr. brick (wet)	0	5					
			0	6					
		+564.2	Gray CLAY, tr. f-gravel, tr. silt (wet)	0	8	S-3 MACROCORE	6		
			0	9					
			0	10					
		+559.2	Gray CLAY, tr. f-sand (wet)	0	12	S-4 MACROCORE	15		
	+559.0	Gray to reddish-brown CLAY, sm. f-c sand, tr. silt (wet)	0	13					
		Reddish-brown CLAY, sm. f-gravel (wet)	0	14					
		Gray f-GRAVEL, sm. reddish-brown clay (wet)	0	15					
		End of Boring @ 13.5'		16					
				17					
				18					
				19					
				20					

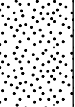
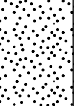
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagara Falls, NY				Elevation and Datum Approx. el. 572.36			
Drilling Company SJB Drilling				Date Started 6/27/13		Date Finished 6/27/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 13.8 ft		Rock Depth 13.8 ft	
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 3.5		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Completion ∇ N/A	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer N/A				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+572.4			0					
	+572.1	ASPHALT		1					
	+571.4	Brown to gray f-c SAND, sm. f-gravel, tr. silt, asphalt and dense grade sub-base (dry)	0	2	S-1	MACROCORE	44		Collect sample LSB-75-A from 1'-3' @ 19:10
	+570.4	Black f-m SAND, sm. silt (dry)	0	3					Slight odor @ 1.5'
		Brown-gray silty f-SAND, tr. m-sand (wet)	0	4					
		Brown-gray silty f-SAND, tr. m-sand (wet)	0	5					
			0	6	S-2	MACROCORE	27		
			0	7					
		Brown-gray silty f-SAND, tr. m-sand, tr. c-sand (wet)	0	8					
			0	9					
		Gray-brown silty f-m SAND, tr. intrusion of c-sand (wet)	0	10	S-3	MACROCORE	47		Collect sample LSB-75-B from 10'-12' @ 19:20
			0	11					
	+560.4	Brown-red CLAY and silt, tr. c-sand, tr. f-gravel, weathered rock @ 13.8' (wet)	0	12					
				13					
	+558.6	End of boring 13.8'		14	S-4	MACROCORE	1.5		
				15					
				16					
				17					
				18					
				19					
				20					

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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagara Falls, NY				Elevation and Datum Approx. el. 572.87			
Drilling Company SJB Drilling				Date Started 6/28/13		Date Finished 6/28/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 14.6 ft		Rock Depth 14.6 ft	
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 4.5		Undisturbed 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Core 0	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer N/A				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist BLU/in	N-Value (Blows/ft)	
	572.9	ASPHALT		0						
	572.6	Brown-gray f-c SAND, sm. f-gravel, tr. silt, asphalt and dense grad sub-base (dry)		1						
	570.9	Gray-black f-c SAND, sm. silt, tr. f-gravel, tr. fill (brick, woody debris) (dry)		2	S-1	MACROCORE	28			Slight odor @ 2', Collect sample LSB-76-A from 2'-4' @ 11:20
	568.9	Black f-m SAND, silt, slag @ 2.5' (moist)		3						
	568.9	Gray-brown silty f-SAND (wet)		4						Collect sample LSB-76-B from 4'-6' @ 11:30
				5						
				6	S-2	MACROCORE	44			
				7						
		Gray-brown silty f-SAND (saturated)		8						
				9						
				10	S-3	MACROCORE	38			
				11						
	559.9	Gray silty f-SAND (saturated)		12						
		Gray-brown silty f-SAND, tr. c-sand, tr. f-gravel (saturated)		13						
		Red-brown CLAY and silt, weathered rock @ 14.6' (saturated)		14	S-4	MACROCORE	28			
	558.3	End of boring @ 14.6		15						
				16						
				17						
				18						
				19						
				20						

Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagara Falls, NY				Elevation and Datum Approx. el. 572.8			
Drilling Company SJB Drilling				Date Started 6/24/13		Date Finished 6/24/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12.5 ft		Rock Depth 12.5 ft	
Size and Type of Bit 4 1/4" Hollow Stem Auger				Number of Samples Disturbed 4 Undisturbed 0 Core 0			
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 3.5 Completion 12.2 24 HR. -			
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A		Drilling Foreman Art			
Sampler 2" Macrocore				Inspecting Engineer Justin Hall & Hannah Griesbach			
Sampler Hammer NA/		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+572.8	ASPHALT		0					
	+572.5	Gray f-c SAND, sm. f-gravel, tr. silt (dry)		1					
	+571.8	Gray f-m SAND, sm. silt (dry)		2	S-1	MACROCORE	40		Collect sample LSB 11-A from 1'-3' @ 10:50
	+570.8	Gray-brown f-SAND, sm. silt (moist)		3					
		Brown-gray f-c SAND, sm. silt (moist)		4					
		Brown silty f-SAND (moist)		5	S-2	MACROCORE	48		4'-4.5' CO-295 ppm, Collect sample LSB 11-B from 4'-6' @ 11:35
	+565.8	Brown-red silty f-SAND, sm. clay (moist)		7					
		Brown-red silty f-c SAND, sm. clay (moist)		8					
		Red-gray silty f-c SAND, sm. clay, tr. f-gravel (moist)		10	S-3	MACROCORE	48		
		Red-gray silty f-c SAND, sm. clay, tr. f-gravel (wet)		12					Hammer refusal @ 12.2'
	+560.3	End of Boring @ 12.5'		13	S-4	MACROCORE	3		Auger refusal @ 12.5, LMW-1 installed @ 12.5
				14					
				15					
				16					
				17					
				18					
				19					
				20					

Project FONF Expansion Sabre Park BCP				Project No. 140091401																																																																																																																																																																																																																																			
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Drilling Company SJB Drilling				Date Started 6/24/13		Date Finished 6/24/13																																																																																																																																																																																																																																	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12 ft		Rock Depth N/E																																																																																																																																																																																																																																	
Size and Type of Bit 4 1/4" Hollow Stem Auger				Number of Samples 3		Undisturbed 0																																																																																																																																																																																																																																	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0																																																																																																																																																																																																																																	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 7.5																																																																																																																																																																																																																																	
Sampler 2" Macrocore				Drilling Foreman Dan Delude																																																																																																																																																																																																																																			
Sampler Hammer NA/				Inspecting Engineer Kyle Zalaski & Alison Corriveau																																																																																																																																																																																																																																			
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.6			
Drilling Company SJB Drilling				Date Started 6/25/13		Date Finished 6/25/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12 ft		Rock Depth N/E	
Size and Type of Bit 4 1/4" Hollow Stem Auger				Number of Samples 3		Disturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer NA/				Weight (lbs) N/A			
Drop (in) N/A				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+573.6	ASPHALT		0					
	+573.3	Gray f-c SAND, sm. silt, sm. f-gravel, sm. f-c dense grade sub-base (dry)	0	1					
	+572.1	Gray-dark gray m-f SAND, sm. silt, sm. fill (brick, concrete), sm. roots (moist)	0	2	S-1	MACROCORE	30		
			0	3					
			0	4					
		Gray-black f-m SAND, sm. silt, sm. roots, sm. fill (brick) (moist)	0	5					Slight odor @ 3.5'-4', Collect sample LSB-26-A from 4'-6' @ 10:35
			0	6	S-2	MACROCORE	48		Slight odor @ 4'-6'
			0	7					
			0	8					Slight odor @ 8'-9.5'
			0	9					
	+564.1	Brown silty f-SAND, intrusions of black silt (wet)	0	10	S-3	MACROCORE	40		Collect sample LSB-26-B from 10'-12' @ 10:55
		Brown-red silty CLAY, tr. c-sand (wet)	0	11					
	+561.6	End of boring @ 12'	0	12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

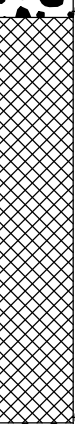
Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.1			
Drilling Company SJB Drilling				Date Started 6/25/13		Date Finished 6/25/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12 ft		Rock Depth N/E	
Size and Type of Bit 4 1/4" Hollow Stem Auger				Number of Samples 3		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 5.5	
Sampler 2" Macrocore				Completion N/A			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		24 HR. N/A	
Drilling Foreman Dan Delude				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
	+574.1	4" ASPHALT	0	0							
	+573.8	Dark brown f-c SAND, sm. f-gravel, little silt (dry)	0	1							
	+573.1	Brown-gray f-c SAND, little f-gravel, tr. silt, tr. clay (dry)	0	2	S-1	MACROCORE	39				
		Gray f-c SAND, sm. clay, little f-gravel (moist)	0	3							
	+570.1	Brown-gray CLAY, sm. f-c sand, tr. f-gravel (moist)	0	4							Collect environmental sample LSB-35-A from 2'-4' @ 10:35
		Brown-gray CLAY, sm. f-c sand, tr. f-gravel (moist)	0	5	S-2	MACROCORE	48				
		Brown-gray CLAY (wet)	0	6							
		Brown-gray CLAY (wet)	0	7							
		Brown-gray CLAY, tr. f-c sand (wet)	0	8							Collect environmental sample LSB-35-B from 4'-5.5' @ 11:05
		Reddish-brown-gray CLAY, tr. f-sand (wet)	0	9							
			0	10	S-3	MACROCORE	48				
	+562.1	Bottom of Boring @ 12'	0	12							Monitoring Well LMW-5 completed at this location
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.21			
Drilling Company SJB Drilling				Date Started 6/25/13		Date Finished 6/25/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/E	
Size and Type of Bit 4 1/4" Hollow Stem Auger				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 8		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Completion N/A	
Sampler 2" Macrocore				Drilling Foreman Dan Delude			
Sampler Hammer N/A				Inspecting Engineer Kyle Zalaski			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
	+574.2	6" ASPHALT	0	0							
	+573.7	Brown-gray f-c SAND, sm. silt, sm. f-gravel (dry)	0	0							
	+573.2	Gray f-c SAND, sm. f-gravel, little silt (dry)	0	1							
		Gray f-c SAND, sm. black coal, little silt, tr. f-gravel (dry)	0.4	2	S-1	MACROCORE	46				
	+570.7	Brown-gray CLAY, tr. f-c sand (dry)	0	3							
		Brown-gray CLAY, tr. f-sand (moist)	0	4							
			0	5	S-2	MACROCORE	45				Collect environmental sample LSB-43-A from 2'-4' @ 14:35
		Reddish-brown-gray CLAY (moist)	0	6							
		Reddish-brown-gray CLAY, sm. intrusion of f-sand (wet)	0	7							
			0	8							
			0	9	S-3	MACROCORE	43				
			0	10							
		Reddish-brown-gray CLAY, tr. f-c SAND (wet)	0	11							
			0	12	S-4	MACROCORE	42				
			0	13							
			0	14							
			0	15							
	+558.2	End of boring @ 16'	0	16							LMW-6 installed @ 16'
				17							
				18							
				19							
				20							

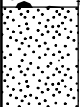
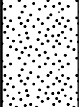
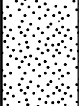
Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.92			
Drilling Company SJB Drilling				Date Started 6/25/13		Date Finished 6/25/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit 4 1/4" Hollow Stem Auger				Number of Samples 4		Undisturbed 0	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 6	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer N/A				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
	+574.9	ASPHALT	0	0							
	+574.6	Brown grey c-f SAND, tr. silt, sm. f-gravel, dense grade subbase (dry)	0	1							
	+572.9	Brown m-f SAND, sm. silt, tr. f-gravel (dry)	0	2	S-1	MACROCORE	38				Collect sample LSB-47-A from 2'-4' @ 16:00 Slight odor @ 4.5
		Grey f-c SAND, intrusions of bluish-green f-sand and black silt (dry)	0	3							
		Grey f-c SAND, intrusions of bluish-green f-sand and black silt (dry)	0	4							
		Brown-grey silty SAND, tr. m-c sand (wet)	0	5							
			0	6	S-2	MACROCORE	44				
			0	7							
			0	8							
			0	9							
			0	10	S-3	MACROCORE	28				
			0	11							
	+566.4	Brown-grey silty SAND, tr. m-c sand (wet)	0	12							Collect sample LSB-47-B from 10'-12' @ 16:10
		Red-brown CLAY, sm. silt, tr. m-c sand (wet)	0	13							
			0	14	S-4	MACROCORE	8				
			0	15							
	+558.9	End of boring @ 16'	0	16							LMW-7 instaled @ 16'

Project FONF Expansion Sabre Park BCP				Project No. 140091401																																																																																																																																																																																																																						
Location Niagra Falls, NY				Elevation and Datum Approx. el. 574.59																																																																																																																																																																																																																						
Drilling Company SJB Drilling				Date Started 6/25/13		Date Finished 6/25/13																																																																																																																																																																																																																				
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Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First 6																																																																																																																																																																																																																				
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Sampler Hammer NA/				Inspecting Engineer Justin Hall																																																																																																																																																																																																																						
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Project FONF Expansion Sabre Park BCP					Project No. 140091401				
Location Niagra Falls, NY					Elevation and Datum Approx. el. 572.46				
Drilling Company SJB Drilling					Date Started 6/28/13		Date Finished 6/28/13		
Drilling Equipment Truck Mounted Geoprobe 6620 DT					Completion Depth 13 ft		Rock Depth 13 ft		
Size and Type of Bit N/A					Number of Samples 4		Undisturbed 0		Core 0
Casing Diameter (in) N/A			Casing Depth (ft) N/A		Water Level (ft.) First ∇ 4.7		Completion ∇ N/A		24 HR. ∇ N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Art			
Sampler 2" Macrocore					Inspecting Engineer Justin Hall				
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)	
	+572.5	ASPHALT		0						Collect sample LTP-1-A from 1'-3' @ 14:15
	+572.2	Brown-gray f-c SAND, sm. f-gravel, tr. silt, asphalt, dense grade sub base (dry)	0	1						
	+571.0	Brown-gray silty f-c SAND, tr. gravel (dry)	0	2	S-1	MACROCORE	30			
		Brown-gray silty f-SAND (dry)	0	3						
		Brown-gray silty f-SAND (dry)	0	4						
		Brown-gray silty f-SAND (dry)	0	5						
			0	6	S-2	MACROCORE	33			
			0	7						
			0	8						
			0	9						
			0	10	S-3	MACROCORE	44			
			0	11						
			0	12						
			0	13						
	+560.5	Brown-red CLAY and silt, tr. c-sand, sm. f-gravel	0	14	S-4	MACROCORE	12			
	+559.5	End of boring 13'	0	15						
				16						
				17						
				18						
				19						
				20						

Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.28			
Drilling Company SJB Drilling				Date Started 6/28/13		Date Finished 6/28/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 12.9 ft		Rock Depth 12.9 ft	
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 4		Completion N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		24 HR. N/A	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer N/A				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	N-Value (Blows/ft)	
	+572.3	ASPHALT		0					
	+572.0	Brown-gray f-c GRAVEL, sm. f-gravel, tr. silt, asphalt and dense grade sub-base (dry)	0	1					Collect sample LTP-2-A from 1'-3' @ 13:30
	+571.3	Brown f-c SAND, sm. silt, tr. f-gravel (dry)	0	2	S-1	MACROCORE	36		
		Brown-gray f-SAND, sm. silt, tr. c-sand (wet)	0	3					
	Brown-gray silty f-SAND (wet)	0	4						
	+567.3	Gray-brown CLAY, sm. silty f-sand, tr. c-sand, tr. f-gravel (saturated)	0	5					Collect sample LTP-2-B from 4'-6' @ 13:40
			0	6	S-2	MACROCORE	45		
			0	7					
			0	8					
		Brown-red CLAY and silt, sm. c-sand, sm f-gravel (saturated)	0	10	S-3	MACROCORE	34		
			0	11					
			0	12					
			0	13					
	+559.4	Red-brown CLAY and silt, sm. f-gravel, weathered rock @ 12.9' (saturated)	0	14	S-4	MACROCORE	10		
		End of boring @ 12.9'	0	15					
			0	16					
			0	17					
			0	18					
			0	19					
			0	20					

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Project FONF Expansion Sabre Park BCP				Project No. 140091401								
Location Niagra Falls, NY				Elevation and Datum Approx. el. 572.7								
Drilling Company SJB Drilling				Date Started 6/28/13		Date Finished 6/28/13						
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 13.5 ft		Rock Depth 13.5 ft						
Size and Type of Bit N/A				Number of Samples 4		Undisturbed 0						
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Core 0						
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Water Level (ft.) First ∇ 4.9						
Sampler 2" Macrocore				Drilling Foreman Art								
Sampler Hammer N/A				Inspecting Engineer Justin Hall								
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist	BLU/ft	N-Value (Blows/ft) 10 20 30 40		
	+572.7	ASPHALT		0								Collect sample LTP-3-A from 1'-3' @ 14:45 Slight odor @ 2'-3'
	+572.4	Brown-gray f-c SAND, tr. silt, dense grade sub-base (dry)	0	1								
	+571.7	Brown silty f-SAND, tr. f-gravel (dry)	0	2	S-1	MACROCORE	28					
		Black silty f-SAND (dry)	0	3								
		Brown-gray silty f-SAND (moist)	0	4								
		Brown-gray silty f-SAND, tr. c-sand	0	5								
			0	6	S-2	MACROCORE	44					
			0	7								
			0	8								
			0	9								
	+562.2	Brown-gray CLAY and silt, tr. c-sand, tr. f-gravel (wet)	0	10	S-3	MACROCORE	40					
			0	11								
			0	12								
			0	13								
	+559.2	Brown-red CLAY and silt, sm. f-gravel, tr. c-sand, weathered rock @ 13.5' (wet)	0	14	S-4	MACROCORE	7					
			0	15								
			0	16								
			0	17								
			0	18								
			0	19								
			0	20								

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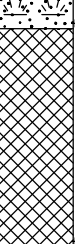
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Project FONF Expansion Sabre Park BCP				Project No. 140091401			
Location Niagra Falls, NY				Elevation and Datum Approx. el. 573.05			
Drilling Company SJB Drilling				Date Started 6/26/13		Date Finished 6/26/13	
Drilling Equipment Truck Mounted Geoprobe 6620 DT				Completion Depth 14.3 ft		Rock Depth 14.3 ft	
Size and Type of Bit N/A				Number of Samples 4		Disturbed 0	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 5.3		Undisturbed 0	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Core 0	
Sampler 2" Macrocore				Drilling Foreman Art			
Sampler Hammer N/A				Inspecting Engineer Justin Hall			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
	+573.1	ASPHALT		0							
	+572.8	Brown-gray f-c SAND, sm. f-gravel, tr. silt, asphalt and dense grade sub-base (dry)	0	1							
	+572.1	Brown-gray f-c SAND, sm. silt, tr f-gravel (dry)	0	2	S-1	MACROCORE	41				
		Gray-black f-m SAND, sm. silt, tr. intrusions of black (dry)	0	3							
		Gray-black silty f-SAND, tr. c-sand, tr. intrusions of black (moist)	0	4							
		Brown-gray silty SAND, tr. f-gravel (wet)	0	5	S-2	MACROCORE	44				
			0	6							
			0	7							
			0	8							
		Red-brown CLAY and silt, tr. c-sand, tr. f-gravel (wet)	0	9							
		Red-brown CLAY and silt, tr. c-sand, tr. f-gravel, overlying silts and clays consistently (wet)	0	10	S-3	MACROCORE	48				
			0	11							
		Red-brown CLAY and silt, tr. c-sand, tr. f-gravel, weathered rock @ 14' (saturated)	0	12							
			0	13							
			0	14	S-4	MACROCORE	31				
			0	15							
			0	16							
			0	17							
			0	18							
			0	19							
			0	20							

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Project FONF Expansion Sabre Park BCP					Project No. 140091401				
Location Niagra Falls, NY					Elevation and Datum Approx. el. 574.22				
Drilling Company SJB Drilling					Date Started 7/2/13		Date Finished 7/2/13		
Drilling Equipment Truck Mounted Geoprobe 6620 DT					Completion Depth 16 ft		Rock Depth N/A		
Size and Type of Bit N/A					Number of Samples		Disturbed 4		Undisturbed 0
Casing Diameter (in) N/A					Casing Depth (ft) N/A		Water Level (ft.) First 4		Completion N/A
Casing Hammer N/A					Weight (lbs) N/A		Drop (in) N/A		24 HR. N/A
Sampler 2" Macrocore					Drilling Foreman Art				
Sampler Hammer N/A					Inspecting Engineer Justin Hall				

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)	
	574.2	TOPSOIL, f-c sand, sm. silt, organic matter		0						
	573.7	Brown f-c SAND, tr. silt, white slag, sm. f-gravel, tr. fill (brick)	0	1	S-1 MACROCORE	15				Collect sample LTP-45-A from 1.5'- 3.5' @ 15:40 Sample A: 1.5'-3.5', voc sample: 3.0'-3.5'
		Brown f-c SAND, sm. silt, tr. f-gravel, tr. fill (brick, slag)	0	2						
		Red FILL sm. m-c sand, sm. f-c gravel, tr. silt	0	3						
		Black CLAY sm. silt, tr. f-sand	0	4	S-2 MACROCORE	38			Collect sample LTP-45-B from 6'-8' @ 15:50	
570.2	Brown-gray f-GRAVEL, sm. silt	0	5							
	Gray to red CLAY, sm. f-sand, tr. silt, tr. f-gravel	0	6							
	568.2	Gray-brown SILTY clay, tr. f-m sand	0	7	S-3 MACROCORE	25				Sample B: 6'-8', voc sample 6'-6.5'
		Gray-brown SILTY clay, tr. f-m sand	0	8						
		End of Test Pit @ 8.8'	0	9	S-4 MACROCORE	40				
		Gray-brown SILTY clay, tr. f-m sand	0	10						
			0	11						
		Gray-brown SILTY clay, tr. f-m sand	0	12						
			0	13						
		Brown-red CLAY and silt, overlying layers of clay and silt	0	14						
		0	15							
	558.2	End of Test Pit @ 16'	0	16						
				17						
				18						
				19						
				20						