

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Ct., Boston, MA

Well ID: *ESM-01*

Field Geologist: J. Callahan

*Environmental Strategies
& Management, Inc.*
184 West Main Street
Norton, MA 02766
508-285-9700

SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		<u>Ground Surface</u> brown, dry, medium to fine SAND, trace fine gravel	0			12			0	
1				SS-1	SS	8 8 8			0	
2		brown, damp, medium to fine SAND, trace fine gravel	2			12			0	
3				SS-2	SS	14 12 13			0	
4		dark brown, dry, medium to fine SAND, trace coarse to fine gravel	4			12			0	
5		grey FILL (concrete debris)	5	SS-3	SS	14 50 32			0	
6		black, (asphalt and concrete debris, FILL)	6						0	
7		dark brown, dry, medium to fine SAND, little fine gravel	7	SS-4	SS	21 50=1"			0	
8		brown/black, damp, medium to fine SAND, trace cobble and fine gravel	8						0	
9				SS-5	SS	24 15 15 15			7	
10		dark brown, wet, COBBLE, trace coarse to fine sand(odor)	10						186	
11				SS-6	SSL	10 12 18 24				
12		dark grey, wet, coarse to fine SAND (odor, sheen)	12			11			200	
13		chocolate brown, moist, dense, organic PEAT and SILT, trace roots	13	SS-7	SS	8 11				
14		dark grey, moist, dense clayey SILT	14							
15				SS-8	SS	5 11 7 12			1800	
16		dark brown, wet, fine SAND, little silt	16							
17		brown, wet, coarse to fine SAND	17	SS-9	SSL	24 25 26			1800	
18		grey, wet, medium SAND, trace fine sand (odor)	18							
19		greenish-grey, wet, medium SAND	19	SS-10	SS	25 36 42 58			300	
20		reddish-brown/gold, wet, medium SAND (auger refusal at 22')	20							
21										
22			22							

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/13/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Ct., Boston, MA

Well ID: *ESM-02*

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		<u>Ground Surface</u> chocolate brown, damp, fine SAND, trace gravel, wood	0			15				
1		brown, dry, medium to fine SAND and asphalt (FILL)	1	SS-1	SS	30 21 40		0		
2		grey, FILL (concrete)	2							
3		brown, dry, medium to fine SAND, little cobble	3			27		2		
4			4	SS-2	SS	48 52 44				
5		brown, damp, denser, medium to fine SAND, trace coarse to fine gravel	5							
6			6							
7			7	SS-3	SS	11 13 21 11		0		
8		brown, damp, dense, coarse to fine SAND, trace coarse to fine GRAVEL	8			23		0		
9		FILL (black, ash and brick debris)	9	SS-4	SS	46 66 40		0		
10		greenish-grey, damp-moist, dense fine SAND, trace fine gravel	10			7		4		
11		greenish-grey, moist-wet, dense, fine SAND, trace coarse to fine gravel, medium sand and silt	11	SS-5	SS	7 27 40				
12		no recovery	12							
13			13	SS-6	SS	8 7 14 11				
14		dark grey, dense, clayey SILT, trace fine sand	14			8		20		
15		chocolate brown, organic SILT	15	SS-7	SS	11 9 12				
16		dark grey, wet, dense, medium to fine SAND trace fine gravel	16							
17		light brown/tan, wet, dense, fine SAND	17	SS-8	SS	10 20 100=6"				
18			18							
19		(auger refusal at 20')	19							
20			20							

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/13/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Street, Boston, MA

Well ID: *ESM-03*

Field Geologist: J. Callahan

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SUBSURFACE PROFILE			SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery		
0		Ground Surface	0						
1		brown, damp, medium to fine SAND, trace fine gravel	1	SS-1	SS	19 24 30 31		0	
2		FILL (black asphalt)	2					0	
3		light brown, damp, denser, medium to fine SAND, little coarse to fine gravel	3	SS-2	SS	21 30 21 27		0	
4		brown/dark brown, damp, coarse to fine SAND, trace coarse to fine gravel, trace black ash (moderately dense)	4					0	
5		brown to light brown, moist, denser, coarse to fine SAND, trace fine gravel	5	SS-3	SS	27 27 25 7		0	
6		light brown, wet, SILT, trace fine sand	6					3500	
7		gray, wet, clayey SILT (odor, slight sheen)	7	SS-4	SS	10 11 20 19		3600	
8		dark gray, dense, clayey SILT (odor, slight sheen)	8					3600	
9		chocolate brown, organic SILT, trace roots (odor)	9	SS-5	SS	7 4 3 3		3800	
10		chocolate brown, wet, organic SILT	10					3800	
11		gray, wet, coarse to fine SAND, little coarse to fine gravel, trace silt (sheen)	11	SS-6	SSL	4 18 47 40		2700	
12		dark gray, wet, coarse to fine SAND and GRAVEL, trace cobble (sheen) (auger refusal at 14')	12	SS-7	SS	100=5"			
13		End of Borehole	14						
14									
15									
16									
17									
18									
19									
20									

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/13/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Ct., Boston, MA

Well ID: *ESM-04*

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
1		dark brown, damp, medium to fine SAND, trace fine gravel	0			8		0		
1		grey, FILL (concrete debris)	1	SS-1	SS	12 12 18		0		
2		reddish-brown, dry, FILL (red BRICK debris) and medium to fine SAND	2			41 21 18 18		0		
3				SS-2	SS			0		
4		dark brown, moist-wet, medium to fine SAND	4			12 2 9 8		0		
5		organic SILT	5	SS-3	SS			0		
6		grey, wet, clayey SILT	6			19 23 25 25		0		
7		grey, wet, denser, clayey SILT	7	SS-4	SS			0		
8		dark grey, wet, dense silty CLAY, trace fine sand	8			4 4 4 8		28		
9		chocolate brown, wet, organic SILT	9	SS-5	SS			28		
10		dark gray-greenish gray, wet, coarse to fine SAND	10			21 25 35 22		28		
11				SS-6	SSL			23		
12		dark grey, wet, coarse to fine SAND	12			21		23		
13		gray-light brown, wet, coarse to fine GRAVEL and coarse to fine SAND, trace cobble (at tip)	13	SS-7	SS	100=5"				
14		End of Borehole	14							
15										
16										
17										
18										
19										
20										

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/13/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: Lewis Chemical

Client: SARSS/MADEP

Site Location: 12-24 Fairmount Ct., Boston, MA

Well ID: **ESM-05**

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
1		dark brown, damp, medium to fine SAND	1	SS-1	SS	8 12 13 10				
2		darker brown, moist, medium to fine SAND, trace fine gravel	2							
3		dark brown, wet medium to fine SAND, trace fine gravel	3	SS-2	SS	11				
4		boulder	4							
5		grey, wet, dense, SILT, trace clay	5							
6			6	SS-3	SS	1 7 17 23				
7		grey, wet, dense, CLAYEY SILT (sheen, odor)	7							
8			8	SS-4	SS	16 14 6 4				
9		grey-brown, wet, SILT and GRAVEL, trace coarse sand (strong odor)	9							
10			10	SS-5	SS	12 12 26 26				
11		grey-brown, wet, coarse to medium SAND, little fine gravel, trace silt (strong odor)	11							
12			12	SS-6	SS	41 52 56 59				
13		dark grey, wet, coarse to fine SAND	13							
14			14	SS-7	SS	39 43 57 59				
15		dark grey, wet, coarse to fine SAND	15							
16		light brown, wet, dense TILL (4 inches)	16	SS-8	SS	45 50 100=3"				
17			17							
18		(auger refusal at 18.8')	18							
19		End of Borehole	19							
20			20							

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/12/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Ct., Boston, MA

Well ID: *ESM-06*

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
1		dark brown, dry, medium to fine SAND, little concrete, trace asphalt and wood debris		SS-1	SS	35 50=0		3		
2		concrete debris (wire)	2		GC			344		
3		brown-grey, dry, medium to fine SAND, little concrete, trace asphalt and wood debris	3					290		
4				SS-2	SS	12 12 5 10				
5		brown-light grey, wet, coarse to fine SAND, little coarse gravel, little wood (debris at tip)	5					955		
6				SS-3	SS	18 14 30 12				
7										
8		grey, wet, silty clay, trace fine SAND	8	SS-4	SS	13 9 14 23		3300		
9		grey, wet, fine SAND, trace coarse gravel	9							
10		grey, wet, dense, coarse to fine SAND, trace silt and fine gravel (odor)	10	SS-5	SS	19 29 30 30		3300		
11										
12		greyish-brown, wet, coarse to fine SAND (sheen at 12')	11							
12		yellow-brown, wet, coarse to fine SAND	12	SS-6	SS	19 19 27 29		3500		
13										
13		brown, wet, coarse to medium SAND, trace fine gravel	13							
14				SS-7	SS	19 24 37 39		2600		
15										
15		brown-grey, wet, coarse to medium SAND, little coarse to fine gravel	15							
16				SS-8	SS	9 11 21 13		1700		
17										
17		grey, wet, coarse to fine SAND, trace coarse gravel	17							
18										
18		greenish-brown, coarse to fine SAND, trace coarse gravel (auger refusal at 19.5')	18	S-9	SS	31 54 52 50		226		
19										
20		End of Borehole	20							

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/12/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Street, Boston, MA

Well ID: *ESM-07*

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0						<p>The diagram shows a vertical cross-section of the well. From top to bottom: Native Fill (stippled), 2" PVC Riser (dashed), Bentonite seal (hatched), 2" PVC .010 Screen (horizontal lines), and Sand (dotted). A blue arrow points to the screen level at approximately 11 feet depth.</p>	
1		dark brown, dry, medium to fine SAND, little fill (debris layers)		SS-1	SS	4 100=5"				
2		dark reddish-brown, dry, FILL (layered debris 1-2mm)	2	SS-2	SS	31 34 37 42				
3										
4		dark reddish brown, damp, FILL (layered debris) trace concrete, trace organic peat	4	SS-3	SS	4 10 37 66				
5										
6		dark reddish-brown, damp, FILL (debris-spongy, less layered and thicker) trace organic peat (strong odor)	6	SS-4	SS	100=5"				
7										
8		dark brown, damp, FILL (debris and organic material)	8	SS-5	SS	5 2 3 2				
9										
10		black, moist, fine SAND and organic FILL	10	SS-6	SSL	1 3 7 7				
11		grey, wet, fine SAND	11							
12		brown bluish-grey, wet, fine SAND and CLAY	12	SS-7	SS	7 7 7 10				
13										
14		bluish-grey, wet, coarse to fine SAND, trace fine gravel	14	SS-8	SS	25 27 27 19				
15										
16										
17				SS-9	SS	17 15 18 19				
18		grey, wet, coarse to medium SAND	18	SS-10	SS	17 19 17 21				
19										
20										
21		(auger refusal at 23')		SS-11	SS	31 21 50=2"				
22										
23			23							

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/12/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

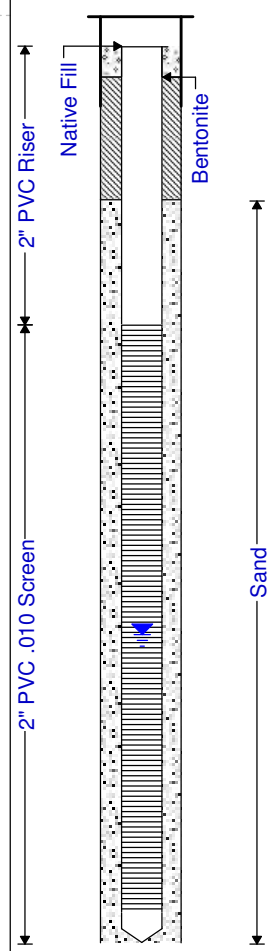
Site Location: 12-24 Fairmount Ct., Boston, MA

Well ID: **ESM-08**

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
0		dark brown, dry, medium to fine SAND, trace organic silt	0			9				
1		grey, dry, medium to fine SAND, trace organic silt	-1	SS-1	SS	11 9			0	
2		dark brown, damp, medium to fine SAND, little coarse to fine gravel	-2			8				
2		dark brown, damp, medium to fine SAND, little coarse to fine gravel	2			11			0	
3		dark brown, damp, medium to fine SAND, little coarse to fine gravel	-4	SS-2	SS	13 15			0	
4		dark brown, damp, medium to fine SAND, little coarse to fine gravel	4			12				
4		dark brown, damp, medium to fine SAND, little coarse to fine gravel	4	SS-3	SS	19 21			0	
5		dark brown, damp, medium to fine SAND, little coarse to fine gravel	-6			24 26				
6		brown, damp, medium to fine SAND and GRAVEL, trace cobble	6			21			0	
7		brown, damp, medium to fine SAND and GRAVEL, trace cobble	-8	SS-4	SS	27 23			0	
8		boulder	8			21				
10		dark-brown, moist-wet, organic SILT/PEAT	-10			7				
11		brown, wet, coarse to fine SAND, trace silt	-11	SS-5	SS	2			270	
12		dark brown, organic SILT	-12			2				
12		dark brown organic SILT, trace roots	-13			4				
13		dark grey wet, fine SAND, little cobble	-13	SS-6	SSL	25 36			500	
14		dark grey wet, silty SAND, some cobble	-14			37				
14		dark grey wet, silty SAND, some cobble	-14	SS-7	SS	58			79	
15		End of Borehole	-15			100=5"				



Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/12/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Ct., Boston, MA

Well ID: *ESM-09*

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
1		dark brown, dry-damp, medium to fine SAND, trace coarse to fine gravel boulder	1	SS-1	SS	9 60=5"		0		
2		dark brown, damp, dense, medium to fine SAND, trace fine gravel	2			29		0		
3		light brown to grey, dense, fine SAND and SILT, trace fine gravel	3	SS-2	SS	19 18 16		0		
4		dark grey, moist, dense, SILT, trace fine gravel	4			38		110		
5			5	SS-3	SS	13 7 6				
6		dark grey, moist, coarse to fine SAND (slight odor)	6			18		35		
7		grey, moist-wet, dense, fine SAND, little silt	7	SS-4	SS	9 13 6				
8		no recovery	8			25				
9			9	SS-5	SS	14 13 20				
10		dark grey, wet, coarse to fine SAND, little coarse to fine gravel (slight odor)	10			50		167		
11			11	SS-6	SS	38 22 19				
12		dark grey, wet, coarse to fine SAND, little coarse to fine gravel	12			57		96		
13			13	SS-7	SS	24 20 25				
14		dark grey to grey, wet, coarse to fine SAND, trace coarse to fine gravel (auger refusal at 16')	14			8		180		
15			15	SS-8	SSL	16 50=1"				
16		End of Borehole	16							
17										
18										
19										
20										

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/14/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Ct., Boston, MA

Well ID: *ESM-10*

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 1000 3000	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		<u>Ground Surface</u> dark brown/black, dry, medium to fine SAND, trace cobble, coarse to fine gravel, asphalt and concrete	0			28 25 22 18			<p>The diagram shows a vertical well with a 2" PVC riser extending from the surface to a bentonite seal at approximately 3 feet depth. Below the seal is a 2" PVC .010 screen extending to a depth of 17 feet. The well is filled with native fill at the top. The surrounding soil is labeled as sand. PID results are plotted as blue circles connected by a line, showing values of 0, 0, 0, 0, 300, and 1880 ppm at various depths.</p>	
1				SS-1	SS					
2		brown, dry, denser, medium to fine SAND, trace coarse to fine gravel and coarse sand, trace concrete and asphalt	2			25 15 8 6				
3				SS-2	SS					
4		brown, dry, medium to fine SAND, trace coarse to fine gravel	4			2 2 2 2				
5		whitish-grey, damp, ASH and medium to fine SAND, trace fine gravel	5	SS-3	SS					
6		no recovery	6			12 14 12 12				
7					SS					
8		dark brown damp, medium to fine SAND, trace coarse sand and silt	8			10 8 12 10				
9				SS-4	SS					
10		brown, wet, medium to fine SAND, trace fine gravel	10			13 5 6 6		300		
11				SS-5	SS					
12		dark grey, wet, coarse to fine SAND, trace ash and fine gravel (sheen)	12			18 27 100=5"		1880		
13		chocolate brown, wet, dense, organic SILT (peat)	13	SS-6	SSL					
14		grey, denser, wet, medium to fine SAND, trace fine gravel (TILL)	14							
15										
16		(auger refusal at 17')								
17		End of Borehole	17							
18										
19										
20										

Drilled By: AM Drilling Services, Inc.
Drill Method: Hollow Stem Auger
Drill Date: 6/14/02

Hole Size: 4.25-inch
Well Diameter: 2-inch
Sheet: 1 of 1

Project No: 2001-166

Project: SARSS/Lewis Chemical

Client: MADEP

Site Location: 12-24 Fairmount Ct., Boston, MA

Borehole Number: TF Drain

Field Geologist: J. Callahan

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SUBSURFACE PROFILE				SAMPLE					PID Results (ppm) 50 150 250 350 450	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
1		leaves, debris								
2		black sludge dark gray, very dense, medium to fine SAND, trace silt and fine gravel (TILL like)	2			1				
3		dark gray, less dense, coarse to fine SAND, trace coarse to fine gravel (spoon refusal at 4') (solid bottom)	3	DR-1	SS	1 38 50			50.0	
4		End of Borehole	4							
5										
6										
7										
8										
9										
10										

Drilled By: AM Drilling Services, Inc.

Drill Method: Split Spoon

Drill Date: 6/14/02

Hole Size: 2-inch

Well Diameter:

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-2

Field Geologist: AP, AF


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SUBSURFACE PROFILE				SAMPLE		Remarks					
Depth	Symbol	Description	Depth/Elev.	Number	PID Results						
					50		150	250	350	450	
0		Ground Surface	0.0								
1		dark brown/black, dry, coarse to fine SAND and GRAVEL, trace silt (rock and concrete)									
2		End of Test Pit	2.0	TP-2	0.0						
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Excavated By: Earthwork

Hole Size: 5' X 8'

Excavation Date: 6/1/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-3

Field Geologist: AP, AF







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SUBSURFACE PROFILE				SAMPLE		Remarks					
Depth	Symbol	Description	Depth/Elev.	Number	PID Results						
					50		150	250	350	450	
0		Ground Surface grass/loam	0.0								
1		(2' X 4' sheets of brown paperlike material, neatly stacked)	0.6								
2											
3											
4											
5				TP-3	0.0						
6		End of Test Pit	5.5								
7											
8											
9											
10											
11											
12											
13											
14											
15											

Excavated By: Earthwork

Hole Size: 5'X9'

Excavation Date: 6/1/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-4

Field Geologist: AP, AF






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SUBSURFACE PROFILE				SAMPLE		Remarks					
Depth	Symbol	Description	Depth/Elev.	Number	PID Results						
					(ppm)						
					50	150	250	350	450		
0		Ground Surface grass/loam	0.0								
1		dark brown/black, coarse to fine SAND and GRAVEL, some silt (2' X 4' sheets of brown paperlike material, stacked, crushed drum)	0.6								
2		dark brown/tan, dry, coarse to fine SAND and GRAVEL, some silt	2.0								
3											
4				TP-4	0.0						
4		End of Test Pit	4.0								
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Excavated By: Earthwork

Hole Size: 5'X3'

Excavation Date: 6/1/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-5

Field Geologist: AP, AF

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SUBSURFACE PROFILE				SAMPLE		Remarks								
Depth	Symbol	Description	Depth/Elev.	Number	PID Results									
					(ppm)									
					50	150	250	350	450					
0		Ground Surface	0.0								PID 3 soil samples at 4.5' along bottom of trench all ND; old water value in middle of trench			
1		brown, dry, coarse to fine SAND and GRAVEL												
2														
3														
4				TP-4	0.0									
5		End of Test Pit	4.5											
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Excavated By: Earthwork

Hole Size: 45' X 5'

Excavation Date: 6/1/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-6

Field Geologist: AP, AF


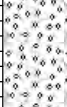

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SUBSURFACE PROFILE				SAMPLE		Remarks														
Depth	Symbol	Description	Depth/Elev.	Number	PID Results															
					(ppm)															
					50	150	250	350	450											
0		Ground Surface																		
		asphalt	0.0																	
1		brown, dry, coarse to fine SAND and GRAVEL																		
2		(round brick structure, 10' wide with soil in center, approx. 2' deep)	2.0	TP-6																
3																				
4		End of Test Pit	4.0																	
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Excavated By: Earthwork

Hole Size: 8' X 10'

Excavation Date: 6/1/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-7

Field Geologist: AP, AF

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SUBSURFACE PROFILE				SAMPLE		Remarks													
Depth	Symbol	Description	Depth/Elev.	Number	PID Results														
					(ppm)														
					50	150	250	350	450										
0		Ground Surface	0.0																
1		dark brown/black, dry, coarse to fine SAND, some gravel (many large pieces of asphalt)																	
2																			
3																			
4					TP-7	0.0													
5		End of Test Pit	4.5																
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Excavated By: Earthwork

Hole Size: 30' X 3'

Excavation Date: 6/2/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-8

Field Geologist: AP, AF

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SUBSURFACE PROFILE				SAMPLE		Remarks															
Depth	Symbol	Description	Depth/Elev.	Number	PID Results																
					(ppm)																
					50	150	250	350	450												
0		Ground Surface	0.0																		
1		dark brown/black, dry, coarse to fine SAND, some gravel (many large pieces of asphalt)																			
2																					
3																					
4					TP-8	0.0															
5		End of Test Pit	4.5																		
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Excavated By: Earthwork

Hole Size: 42' X 3'

Excavation Date: 6/2/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-9

Field Geologist: AP, AF

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SUBSURFACE PROFILE				SAMPLE		Remarks													
Depth	Symbol	Description	Depth/Elev.	Number	PID Results														
					(ppm)														
					50	150	250	350	450										
0		Ground Surface	0.0																
1		dark brown/black, dry, coarse to fine SAND, some gravel (many large pieces of asphalt and cement, old sign post, metal sieve)																	
2																			
3																			
4						TP-9	0.0												
5							0.0												
6						TP-9													
		End of Test Pit	6.0																
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Excavated By: Earthwork

Hole Size: 42' X 3'

Excavation Date: 6/2/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-10

Field Geologist: AP, AF

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SUBSURFACE PROFILE				SAMPLE		Remarks								
Depth	Symbol	Description	Depth/Elev.	Number	PID Results									
					(ppm)									
					50	150	250	350	450					
0		Ground Surface	0.0	TP-10										
1		dark brown/black, dry, coarse to fine SAND, some gravel (many large pieces of asphalt and cement)												
2														
3														
4						0.0								
5		End of Test Pit	5.0											
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Excavated By: Earthwork

Hole Size: 8' X 10'

Excavation Date: 6/2/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: Boston DND

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Test Pit ID: TP-11

Field Geologist: AP, AF

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SUBSURFACE PROFILE				SAMPLE		Remarks								
Depth	Symbol	Description	Depth/Elev.	Number	PID Results									
					(ppm)									
					50	150	250	350	450					
0		Ground Surface	0.0	TP-11										
1		dark brown/black, dry, coarse to fine SAND, some gravel (many large pieces of asphalt and cement)												
2														
3														
4						0.0								
5		End of Test Pit	5.0											
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Excavated By: Earthwork

Hole Size: 8' X 10'

Excavation Date: 6/2/05

Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: DND Boston

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Well ID: *ESM-11*

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE					PID Results (11.7 eV lamp)	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
0-1		brown, dry, medium to fine SAND, some gravel	0	SS-1	SS	15 55		0		
1-2										
2-3										
3-4										
4-5										
5-6		brown, dry, fine SAND, some gravel	-5 5	SS-2	SS	17 14 16 14		2		
6-7										
7-8		brown, moist, fine SAND, some gravel (asphalt)	-7 7	SS-3	SS	15 13 16 15		0		
8-9										
9-10										
10-11		brown, damp, medium to fine SAND and GRAVEL	-10 10	SS-4	SS	9 12 18 12		0		
11-12										
12-13		brown, wet, GRAVEL, some sand	-12 12	SS-5	SS	7 13 13 6		0		
13-14										
14-15										
15-16		brown, wet, dense fine SAND and SILT, some organic clayey silt	-15 15	SS-6	SS	17 13 16 7		0		
16-17										
17-18										
18		End of Borehole	-18 18							
19										
20										

Drilled By: Soil Excavation Corp.
Drill Method: Hollow Stem Auger
Drill Date: 7/13/05

Hole Size: 4.25"
Well Diameter: 2"
Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: DND Boston

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Well ID: *ESM-12*

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE					PID Results (11.7 eV lamp)	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
1		brown, dry, fine SAND, some gravel	0	SS-1	SS	7 30		0		
2										
3										
4										
5										
6				SS-2	SS	6 9 5 7		0		
7										
8				SS-3	SS	12 10 2 2		0		
9										
10		brown, moist, medium to fine SAND and GRAVEL	-10 10	SS-4	SS	2 6 6 5		0		
11										
12		brown, wet, medium to fine SAND and GRAVEL, some organic	-12 12	SS-5	SS	5 3 4 4		0		
13										
14										
15		brown, wet, CLAYEY SILT and fine SAND	-15 15	SS-6	SS			0		
16										
17		End of Borehole	-17 17							
18										
19										
20										

Drilled By: Soil Excavation Corp.
Drill Method: Hollow Stem Auger
Drill Date: 7/13/05

Hole Size: 4.25"
Well Diameter: 2"
Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: DND Boston

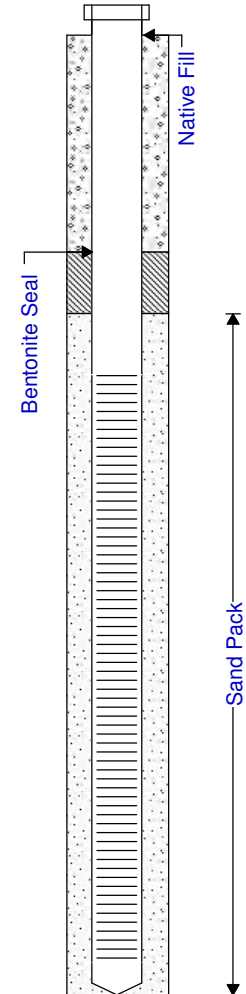
Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Well ID: **ESM-13**

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE					PID Results (11.7 eV lamp)	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol		
0		Ground Surface	0							
0		dry, brown, fine SAND and GRAVEL	0							
1				SS-1	SS	2 3 6 7			38	
2		light brown/tan, moist, medium to fine SAND, trace gravel	2							
2				SS-2	SS	7 7 9 10			15	
3										
4										
5		brown, moist, medium to fine clayey SAND, trace gravel	5							
5				SS-3	SS	6 3 2 1			6	
6										
7		brown, wet, coarse to fine SAND and GRAVEL	7							
7				SS-4	SS	2 21 17 17			0	
8										
9										
10		brown, wet, coarse to fine SAND and GRAVEL, some cobble	10							
10				SS-5	SS	37 17 18 18			0	
11										
12		gray, wet, medium to coarse SAND, GRAVEL and SILT	12							
12				SS-6	SS	16 10 8 25			598	
13		dark brown, wet, dense, SAND and SILT	13							
13										
14		gray/black, wet, SAND and rock fragments	14							
14										
15										
15				SS-7	SS	22 19 25 25			21	
16										
16										
17		End of Borehole	17							
17										
18										
19										
20										



Drilled By: Soil Excavation Corp.
Drill Method: Hollow Stem Auger
Drill Date: 7/13/05

Hole Size: 4.25"
Well Diameter: 2"
Sheet: 1 of 1

Project No: 2004-301

Project: DND Lewis Chemical

Client: DND Boston

Site Location: 12-24 Fairmount Ct., Hyde Park, MA

Well ID: *ESM-14*

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE					PID Results (11.7 eV lamp)	Well Details		
Depth	Symbol	Description	Depth/Elev.	Number	Type	Blows/6 in.	Recovery	Symbol				
0		Ground Surface asphalt/boulders	0									
1		brown, dry, medium to coarse SAND and GRAVEL	5	SS-1	SS	6 7 4					0	
2			brown, damp, medium to coarse SAND and GRAVEL	7	SS-3	SS	17 25 19 20					2
3				10			SS-4	SS			6 7 17 12	
4	brown/gray, wet, medium to fine SAND, trace clay and gravel	12	SS-5	SS	13 13 21 16			0				
5		15			SS-6	SS	16 22 21 24				0	
6	brown, wet, dense, SILTY CLAY	17	SS-6	SS			16 22 21 24				0	
7		17			SS-6	SS	16 22 21 24				0	
8	brown, wet, GRAVEL	17	SS-6	SS	16 22 21 24			0				
9		17			SS-6	SS	16 22 21 24				0	
10	brown, wet, GRAVEL	17	SS-6	SS	16 22 21 24			0				
11		17			SS-6	SS	16 22 21 24				0	
12	brown, wet, GRAVEL	17	SS-6	SS	16 22 21 24			0				
13		17			SS-6	SS	16 22 21 24				0	
14	brown, wet, GRAVEL	17	SS-6	SS	16 22 21 24			0				
15		17			SS-6	SS	16 22 21 24				0	
16	brown, wet, GRAVEL	17	SS-6	SS	16 22 21 24			0				
17		17			SS-6	SS	16 22 21 24			0		
18	End of Borehole	17	SS-6	SS	16 22 21 24			0				
19		17			SS-6	SS	16 22 21 24			0		
20		17			SS-6	SS	16 22 21 24			0		

Drilled By: Soil Excavation Corp.
Drill Method: Hollow Stem Auger
Drill Date: 7/13/05

Hole Size: 4.25"
Well Diameter: 2"
Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Well ID: **ESM-15**

Field Geologist: AF

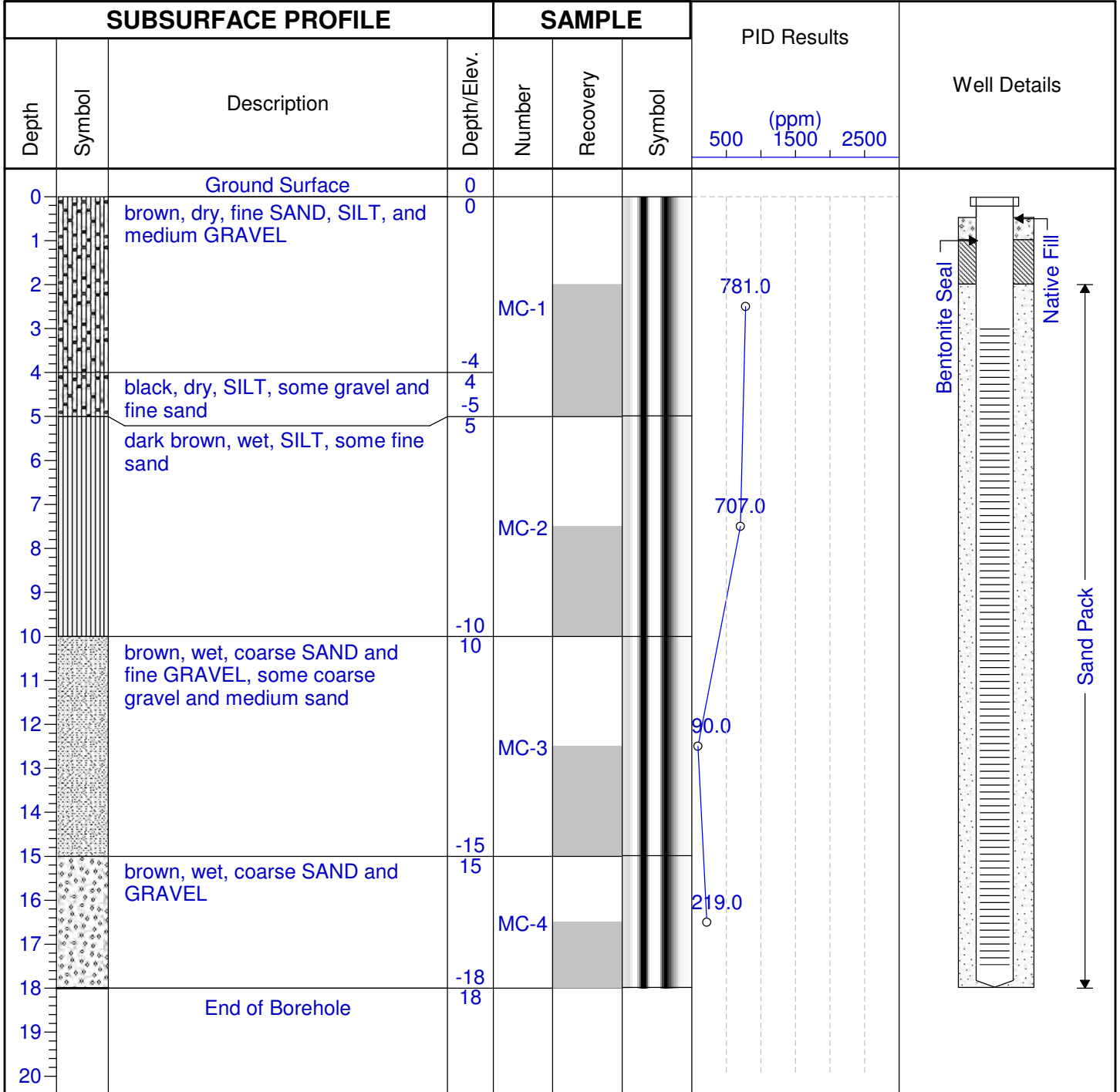
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Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/31/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Well ID: *ESM-16*

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 500 1500 2500	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, dry, medium to coarse SAND, trace fine to medium gravel, some silt	0					
2			MC-1				202.0	
3								
4		brown/grey, wet, fine SAND and SILT	-4					
5			MC-2				285.0	
6								
7		grey, wet, fine SAND, some organic material refusal at 12'	-8					
8			MC-3				121.0	
9								
10								
11								
12		End of Borehole	-12					
13			12					
14								
15								
16								
17								
18								
19								
20								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/31/05

Hole Size: 1"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: **ESMB-01**

Field Geologist: AF

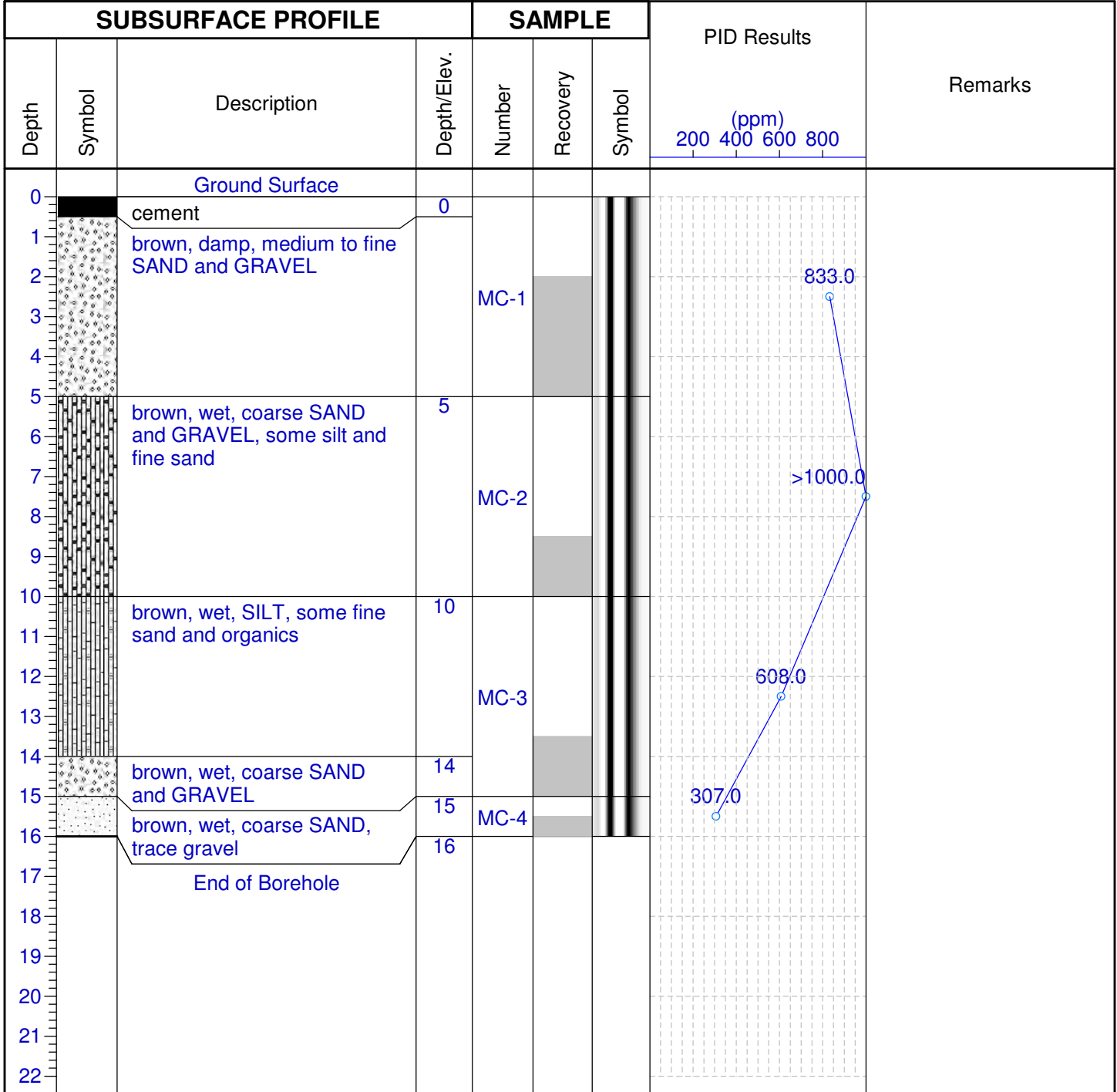
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Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 9/1/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: *ESMB-02*

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, dry, coarse SAND, trace gravel	0	MC-1				
2								
3								
4		brown, dry, fine SAND and SILT	3					
5								
6		brown, wet, coarse SAND and GRAVEL	5					
7								
8		brown, wet, fine SAND and SILT, some organics	7	MC-2				
9								
10								
11		brown, wet, coarse SAND and GRAVEL, some fine sand and silt	10	MC-3				
12								
13								
14		End of Borehole	15					
15								
16								
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 9/1/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: I-A03

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, dry to damp, medium SAND and GRAVEL	0					
2							0.0	
3					MC-1			
4								
5		brown, damp, SAND and GRAVEL	-5					
6								
7								
8		brown, wet, SAND and GRAVEL	-8					
9					MC-2		0.0	
10								
11		dark brown, wet, fine SAND, trace silty clay (refusal at 12')	-11					
12					MC-3		0.0	
13		End of Borehole						
14								
15								
16								
17								
18								
19								
20								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/31/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: I-A08

Field Geologist: AF










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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		dark to light brown, dry, medium to fine SAND, some gravel	0	MC-1			0.0	
2								
3								
4								
5		tan, damp, medium to fine SAND, some gravel	5	MC-2			0.0	
6								
7								
8								
9		brown to grey/brown, wet, clayey SAND, trace gravel	10	MC-3			0.0	
10								
11								
12								
13		blue/gray, wet, clayey silty SAND, trace gravel	15	MC-4			0.0	
14								
15								
16								
17		End of Borehole	20					
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/30/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: I-B05

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		dark brown, dry, SAND and GRAVEL						
2							0.4	
3		tan, damp, SAND and GRAVEL	3	MC-1				
4								
5		tan, dry to damp, GRAVEL, some sand	5					
6								
7							0.0	
8				MC-2				
9								
10		brown, damp to wet, coarse SAND and GRAVEL	10					
11							0.0	
12				MC-3				
13								
14								
15		gray, wet, coarse SAND and GRAVEL	15					
16		brown, wet, SAND, some gravel						
17							1.5	
18				MC-4				
19		gray, wet, medium to fine SAND, some gravel	19					
20			20					
21		End of Borehole						
22								

Drilled By: Soil Exploration

Hole Size: 2"

Drill Method: Geoprobe

Drill Date: 8/31/05

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: I-B07

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, moist, medium to fine SAND	0	MC-1	[Grey Bar]		0.0	
2								
3								
4								
5		tan/grey, wet, coarse to fine SAND, some gravel	15	MC-2	[Grey Bar]		0.0	
6								
7								
8								
9		tan/grey, wet, coarse to fine SAND, some gravel	15	MC-3	[Grey Bar]		0.0	
10								
11								
12								
13		tan/grey, wet, coarse to fine SAND, some gravel	15	MC-4	[Grey Bar]		0.0	
14								
15								
16								
17		End of Borehole	20					
18								
19								
20								
21		End of Borehole	20					
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/30/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: I-B08

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		dark brown, dry, medium to fine SAND						
2							0.0	
3		dry, tan, medium SAND and GRAVEL	3	MC-1				
4								
5		dry, tan, coarse to fine SAND and GRAVEL	5					
6								
7							0.0	
8				MC-2				
9								
10								
11								
12		tan/grey, wet, medium to fine SAND	12	MC-3				
13							0.0	
14		dark brown, wet, fine SAND, some organic silty clay	14					
15								
16		tan/grey, wet, medium to fine SAND	16	MC-4				
17							0.0	
18								
19								
20		End of Borehole	20					
21								
22								

Drilled By: Soil Exploration

Hole Size: 2"

Drill Method: Geoprobe

Drill Date: 8/30/05

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: I-B10

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		dark and light brown, dry, coarse to fine SAND, trace gravel	0	MC-1			0.0	
2								
3								
4								
5		tan, dry, coarse to fine SAND, trace gravel	5	MC-2			0.0	
6								
7								
8								
9		grey, wet dense CLAY	12	MC-3			0.3	
10								
11		gray, wet, coarse SAND and GRAVEL wood at 15'	13	MC-4			0.0	
12								
13		brown, wet, dense, silty CLAY	15	MC-4			0.0	
14								
15		gray, wet, coarse SAND and GRAVEL	16	MC-4			0.0	
16								
17		tan/orange, medium to fine SAND, trace gravel	17	MC-4			0.0	
18								
19		End of Borehole	20					
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/30/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: I-C09

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, dry, coarse to fine SAND and GRAVEL	0	MC-1			0.0	
2								
3								
4								
5		grey/brown, wet, clayey fine SAND, some organics	5	MC-2			0.0	
6								
7								
8								
9		grey, wet, coarse to medium SAND and GRAVEL, some fine sand and silt	10	MC-3			0.0	
10								
11								
12								
13		grey, wet, coarse SAND and GRAVEL, some fine silty sand	15	MC-4			0.0	
14								
15								
16								
17		End of Borehole	17					
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Hole Size: 2"

Drill Method: Geoprobe

Drill Date: 8/31/05

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: I-D10

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, damp, medium to coarse SAND and GRAVEL	0	MC-1			0.0	
2								
3								
4								
5		brown, wet, SILT, some clay, wood, and fine sand	5	MC-2			3.9	
6								
7								
8								
9								
10		light grey, wet, coarse SAND, trace gravel refusal at 14'	10	MC-3			4.4	
11								
12								
13								
14		End of Borehole	14					
15								
16								
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/31/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: II-A01

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks		
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol				
0		Ground Surface	0				7.2			
1		brown, dry, medium SAND, some gravel wood at 3'	0	MC-1	[Shaded]	[Symbol]	2.4			
2										
3										
4		brown, wet, medium SAND, some gravel	4							
5										
6		brown, wet, fine SAND and SILT, some coarse sand and fine gravel	5	MC-2	[Shaded]	[Symbol]	309.0			
7										
8										
9										
10		green, wet, medium to coarse sand, some gravel	10	MC-3	[Shaded]	[Symbol]	68.0			
11										
12										
13		green, wet, medium to fine GRAVEL, some coarse gravel	15	MC-4	[Shaded]	[Symbol]	19.5			
14										
15										
16		refusal at 17'	17							
17		End of Borehole	17							
18										
19										
20										
21										
22										

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/31/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: II-A03

Field Geologist: AF

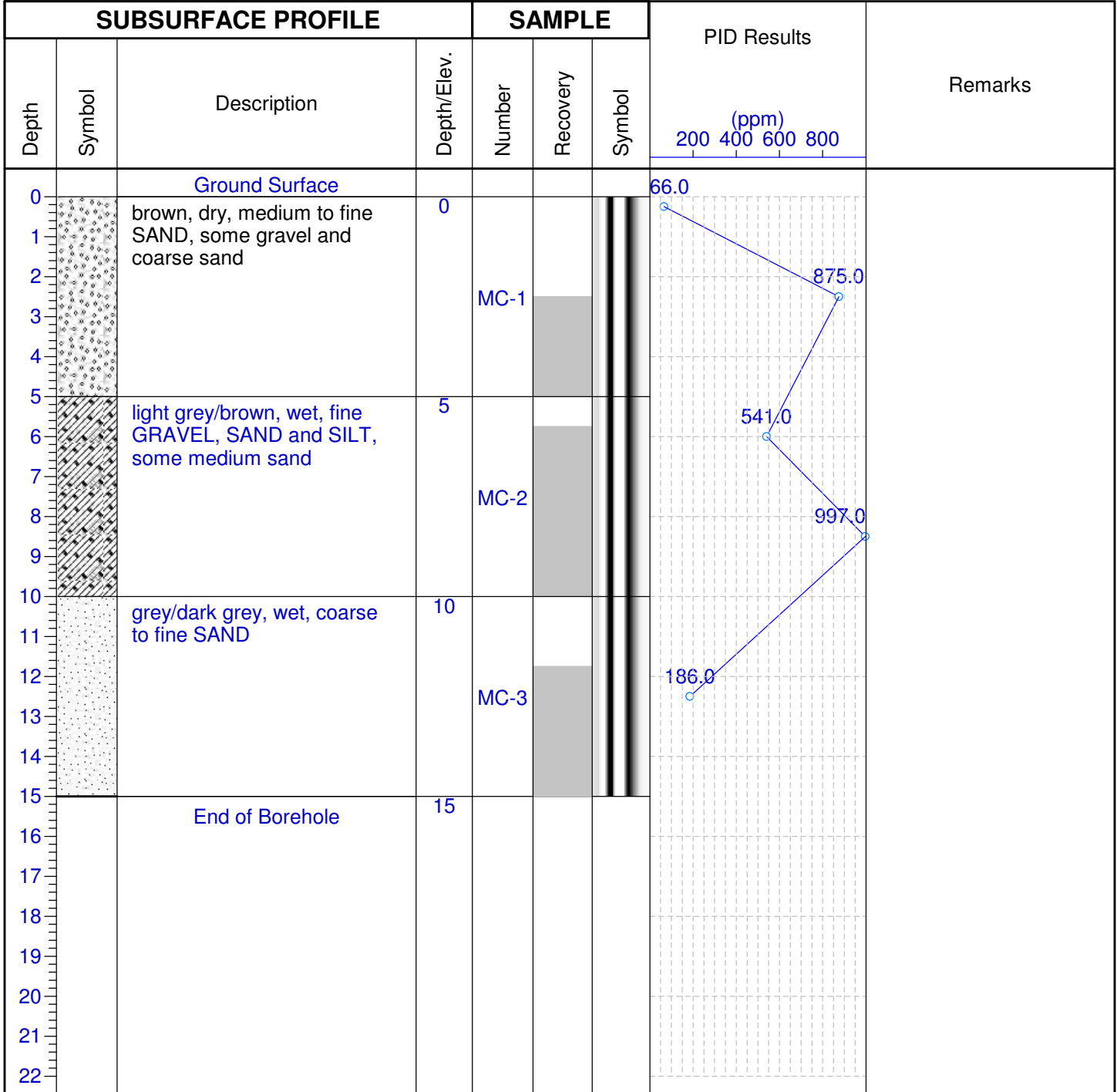
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Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/31/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: II-A03B

Field Geologist: AF

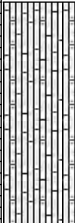



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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, dry, medium to fine SAND and SILT	0					
2								
3				MC-1			258.0 ○	
4			-4					
5		brown, dry, medium to fine SAND and SILT, some clay	4					
5			-5					
5		End of Borehole	5					
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/31/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: II-A05

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, dry, fine SAND, some silt and gravel	0	MC-1	[Shaded Box]	[Vertical Line]	0.0	
2								
3								
4								
5		grey/brown, wet, fine SAND and SILT, some medium sand	5	MC-2	[Shaded Box]	[Vertical Line]	5.6	
6								
7								
8								
9		dark grey, wet, CLAY refusal at 10.5'	10 11	MC-3	[Shaded Box]	[Vertical Line]	0.8	
10								
11								
12		End of Borehole						
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Hole Size: 2"

Drill Method: Geoprobe

Drill Date: 8/31/05

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: II-A07

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown/dark brown, dry, fine SAND, some gravel	0	MC-1			0.0	
2	0.0							
3	0.0							
4	0.0							
5		grey/brown, wet, fine SAND and SILT, some medium sand	5	MC-2			0.0	
6	0.0							
7	0.0							
8	0.0							
9		grey/brown, wet, coarse SAND, some gravel	10	MC-3			0.0	
10	0.0							
11	0.0							
12	0.0							
13		End of Borehole	15					
14								
15								
16								
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/31/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: II-A09

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		brown, dry, fine SAND, some gravel	0	MC-1	[Shaded]	[Symbol]	0.0	
2								
3								
4								
5		black, wet, fine silty SAND	5	MC-2	[Shaded]	[Symbol]	35.6	
6								
7								
8								
9		dark grey, wet, silty SAND and GRAVEL	10	MC-3	[Shaded]	[Symbol]	106.0	
10								
11								
12								
13		fractured rock/refusal at 14.5'	14.5		[Shaded]	[Symbol]		
14								
15		End of Borehole	15					
16								
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/30/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: II-A11

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
0-5		brown, dry, fine SAND, some gravel asphalt	0	MC-1			0.0	
5-9		tan/brown, dry, fine SAND and GRAVEL	5	MC-2			0.0	
9-10		dark brown, wet, fine silty SAND	9					
10-14		gray, wet, dense medium to fine SAND, some silt	10	MC-3			28.9	
14-15		dark brown, wet, dense, ORGANICS and silty SAND	14					
15-17		gray, wet, coarse to medium SAND, some gravel	15	MC-4			4.0	
20		End of Borehole	20					

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 8/30/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: III-C02

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0				0.0	
0		brown, dry, SAND and SILT	0				0.0	
1		black/grey, weathered, paper						
2								
3				MC-1				
4								
5								
6								
7								
8				MC-2			0.0	
9		dark grey/black, wet, coarse SAND and GRAVEL	9					
10		dark grey/black, wet, coarse SAND, trace gravel	10					
11		dark grey/black, wet, fine SAND and SILT	11	MC-3			0.0	
12								
13								
14								
15		End of Borehole	15					
16								
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Hole Size: 2"

Drill Method: Geoprobe

Drill Date: 9/1/05

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: III-D03

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
0		brown, dry, coarse SAND, trace gravel	0					
1		black/grey, weathered, paper	1					
2				MC-1			0.0	
3								
4								
5		grey, wet, coarse SAND and GRAVEL, trace crushed stone	5					
6			6					
7		grey, wet, SILT and fine SAND, some wood and organics	7	MC-2			0.0	
8			8					
9		grey, wet, SILT and fine SAND	9					
10								
11								
12		grey, wet, coarse SAND and GRAVEL	12	MC-3			0.0	
13								
14								
15		End of Borehole	15					
16								
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Hole Size: 2"

Drill Method: Geoprobe

Drill Date: 9/1/05

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: III-E02

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0				0.0	
1		brown, dry, medium to coarse SAND, trace gravel	0	MC-1			0.0	
2								
3								
4								
5		grey, wet, SILT, some clay, trace gravel and coarse sand	5	MC-2			0.0	
6								
7								
8								
9		grey, wet, coarse SAND and GRAVEL, some fine sand and silt	10	MC-3			0.0	
10								
11								
12								
13		grey, wet, coarse SAND and GRAVEL	15	MC-4			0.0	
14								
15								
16								
17		grey, wet, coarse to medium SAND, trace gravel	17				0.0	
18								
19		End of Borehole	20				0.0	
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 9/1/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: III-E04

Field Geologist: AF

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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0				0.0	
1		brown, dry, coarse SAND and GRAVEL	0	MC-1			1.5	
2								
3								
4								
5								
6		grey, damp to wet, medium to coarse SAND, trace medium gravel	5	MC-2			1.1	
7								
8								
9								
10		brown, wet, fine SAND and SILT	10	MC-3			0.0	
11								
12								
13		brown, wet, medium to coarse SAND, trace gravel	12	MC-3				
14								
15								
16		End of Borehole	15					
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 9/1/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: III-E05

Field Geologist: AF







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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol		
0		Ground Surface	0					
1		black/dark grey, dry, coarse SAND and GRAVEL	0	MC-1			0.0	
2								
3								
4								
5								
6		black/dark grey, damp to wet, fine SAND and SILT, some paper material (coal 7-8')	5	MC-2			0.0	
7								
8								
9								
10		grey/greenish brown, wet, SILT and fine SAND	10	MC-3			0.0	
11								
12								
13								
14								
15		End of Borehole	15					
16								
17								
18								
19								
20								
21								
22								

Drilled By: Soil Exploration

Drill Method: Geoprobe

Drill Date: 9/1/05

Hole Size: 2"

Sheet: 1 of 1

Project No: 2004-301

Project: Lewis Chemical

Client: Boston DND

Site Location: Fairmount Court, Hyde Park, MA

Borehole Number: III-F03

Field Geologist: AF









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SUBSURFACE PROFILE				SAMPLE			PID Results (ppm) 200 400 600 800	Remarks	
Depth	Symbol	Description	Depth/Elev.	Number	Recovery	Symbol			
0		Ground Surface	0				14.8		
1		brown, dry, medium to fine SAND, some brick		MC-1					
2									
3									
4		brown, dry, fine SAND and SILT	4	MC-2					
5			5						11.1
6		grey/brown, wet, SILT and CLAY, trace gravel and coarse to medium sand		MC-3					
7									
8									
9									
10		grey, wet, coarse SAND, trace gravel	10	MC-4					
11									4.4
12									
13		grey, wet, coarse SAND and GRAVEL, some silt	15						
14						0.0			
15		End of Borehole	19						
16									
17									
18									
19									
20									
21									
22									

Drilled By: Soil Exploration

Hole Size: 2"

Drill Method: Geoprobe

Drill Date: 9/1/05

Sheet: 1 of 1

Project No: 2006-056

Project: Former Lewis Chemical Property **Borehole Number: PZ-01D**

Client: Boston DND

Field Geologist: JC

Site Location: 12-24 Fairmount Court, Hyde Part

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SUBSURFACE PROFILE				SAMPLE		PID Results (ppm) 25 75 125	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Symbol		
-3							
-2							
-1							
0		Ground Surface	86				
			0				
1							
2							
3							
4							
5							
5			80				
6		End of Borehole	5				
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							

Drilled By: JC

Drill Method: Drive Point

Drill Date: 3/28/06

Hole Size:

Well Diameter: .75

Sheet: 1 of 1

Project No: 2006-056

Project: Former Lewis Chemical Property **Borehole Number: PZ-01S**

Client: Boston DND

Field Geologist: JC

Site Location: 12-24 Fairmount Court, Hyde Part

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SUBSURFACE PROFILE				SAMPLE		PID Results (ppm) 25 75 125	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Symbol		
-2							
-1							
0		Ground Surface	84				
			0				
1							
2		End of Borehole	82				
			2				
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							

Drilled By: JC

Drill Method: Drive Point

Drill Date: 3/28/06

Hole Size:

Well Diameter: .75

Sheet: 1 of 1

Project No: 2006-056

Project: Former Lewis Chemical Property **Borehole Number: PZ-02D**

Client: Boston DND

Field Geologist: JC

Site Location: 12-24 Fairmount Court, Hyde Part

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SUBSURFACE PROFILE				SAMPLE		PID Results (ppm) 25 75 125	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Symbol		
-2							
-1							
0		Ground Surface	87 0				
1							
2							
3							
4							
5							
6							
7							
8							
9							
10		End of Borehole	78 10				
11							
12							
13							
14							
15							
16							
17							

Drilled By: JC

Drill Method: Drive Point

Drill Date: 3/28/06

Hole Size:

Well Diameter: .75

Sheet: 1 of 1

Project No: 2006-056

Project: Former Lewis Chemical Property **Borehole Number: PZ-02S**

Client: Boston DND

Field Geologist: JC

Site Location: 12-24 Fairmount Court, Hyde Part

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SUBSURFACE PROFILE				SAMPLE		PID Results (ppm) 25 75 125	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Symbol		
-2							
-1							
0		Ground Surface	85				
			0				
1							
2		End of Borehole	83				
			2				
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							

Drilled By: JC

Drill Method: Drive Point

Drill Date: 3/28/06

Hole Size:

Well Diameter: .75

Sheet: 1 of 1

Project No: 2006-056

Project: Former Lewis Chemical Property **Borehole Number: PZ-03D**

Client: Boston DND

Field Geologist: JC

Site Location: 12-24 Fairmount Court, Hyde Part

Environmental Strategies
& Management, Inc.
184 West Main Street
Norton, MA 02766
508-285-9700

SUBSURFACE PROFILE				SAMPLE		PID Results (ppm) 25 75 125	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Symbol		
-4							
-3							
-2							
-1							
0		Ground Surface	85				
0			0				
1							
2							
3							
4							
5							
6							
6			79				
7		End of Borehole	7				
8							
9							
10							
11							
12							
13							
14							
15							

Drilled By: JC

Drill Method: Drive Point

Drill Date: 3/28/06

Hole Size:

Well Diameter: .75

Sheet: 1 of 1

Project No: 2006-056

Project: Former Lewis Chemical Property **Borehole Number: PZ-03S**

Client: Boston DND

Field Geologist: JC

Site Location: 12-24 Fairmount Court, Hyde Part

Environmental Strategies
& Management, Inc.
184 West Main Street
Norton, MA 02766
508-285-9700

SUBSURFACE PROFILE				SAMPLE		PID Results (ppm) 25 75 125	Well Details
Depth	Symbol	Description	Depth/Elev.	Number	Symbol		
-3							
-2							
-1							
0		Ground Surface	84 0				
1							
2		End of Borehole	82 2				
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							

Drilled By: JC

Drill Method: Drive Point

Drill Date: 3/28/06

Hole Size:

Well Diameter: .75

Sheet: 1 of 1

Project No: 2006-056

Well ID: *ESM-05B*

Project: Former Lewis Chemical

Drill Date: 3/27-4/3/06

Client: DND Boston

Field Geologist: AF

Location: 12-24 Fairmount Ct, Hyde Park, MA



184 West Main Street
Norton, MA 02766
(508)285-9700

Depth	Well Completion Details	Elevation	Minutes Per Foot	RQD %	Description	PCE Concentration (ppm)				TCE Concentration (ppm)				111-TCA Concentration (ppm)				
						10	20	30	40	20	40	60	80	20	40	60	80	
0		0			Ground Surface													
5					Hollow Stem Auger to Bedrock													
10					Auger													
15																		
20			-20															
25				3.75 5 3 3.83 3.50	31.7%	argillaceous rock, multiple diagonal fractures, few water bearing, few vertical fractures				23.00				54.00				38.00
30				3.50 3.67 3.83 3.67 3.62	83%													
35			-34	2.5 5.83 4.10 3 3	46%					12.00				31.00				29.00
40				3 3 3 3	75%	conglomerate, diagonal and horizontal fractures												
45			-42	2 2.75 2.16 2.33 2.50 2.16 3.50 3.83 3.75 3.58	86.7%	argillaceous shale, diagonal water bearing fractures, some mineral filled, porous looking				3.20				14.00				9.00
50			4 4 3.50 2.16 2.42	80%														
55		-55	4.50 2.83 2.67 2.67 2.50	96.7%	conglomerate				5.20				11.00				9.20	
60			5.75 6.75 5.83 4.45 4.32	90%	argillaceous shale, few diagonal fractures													
65		-68	6.50 8.50 5.67 5.50 6.50	93%					3.10				7.10				6.80	
70		-70			conglomerate													

Drill Method: HSA / HQ Core
Drilling Contractor: GeoSearch

Bedrock Core Diameter: 4"
Sheet: 1 of 1

Project No: 2006-056

Well ID: ESM-08B

Project: Former Lewis Chemical

Drill Date: 3/30-4/3/06

Client: DND Boston

Field Geologist: AF

Location: 12-24 Fairmount Ct, Hyde Park, MA



184 West Main Street
Norton, MA 02766
(508)285-9700

Depth	Well Completion Details	Elevation	Minutes Per Foot	RQD %	Description	PCE Concentration (ppm)				TCE Concentration (ppm)				111-TCA Concentration (ppm)				
						10	20	30	40	20	40	60	80	20	40	60	80	
0		0			Ground Surface													
5					Hollow Stem Auger to Bedrock													
10																		
15																		
20					Auger													
25																		
30																		
35																		
40			-40	3 2.50 4 3.33 5.50	53 %	argillaceous rock, porous looking, multiple horizontal fractures, few water bearing, some mineral filled	0.25				0.35				0.04			
45				4.25 4.08 4.25 4.08 5.42	85 %													
50		-50	3.83 4.25 5 4.58 5	93 %	conglomerate, few horizontal fractures, little water													
55			3.50 4.75 5 5.50 6.25	95 %														
60		-60			End of Borehole													
65																		
70																		

Drill Method: HSA / NX Core
Drilling Contractor: GeoSearch

Bedrock Core Diameter: 3"
Sheet: 1 of 1