Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 1

Log of Borehole: BH1A

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
0–1		Fill - Brown GRAVEL and SILTY CLAY, some f-c sand; damp.	D-1		30"	0, 0, 0, 98	
2–3		Brown fine SAND, and silt, some m-c sand, some gravel; wet.					
3–6		Brown ang gray mottled SILTY CLAY, trace f-m sand, trace gravel; moist.	D-2		30"	0, 1, 11, 0, 0	
6–7		@ 6.0' to 6.9' - vertical sand filled fracture.	D-3		36"	0, 0, 1, 30	
7–9		Stiff Brown SILTY CLAY, trace to little f-m sand, trace gravel; damp.					
9–11		Medium stiff gray SILTY CLAY, little f-c sand, moist to damp.	D-4		36"	0, 0, 0, 20, 0	
11–13			D-5		28"	2, 9	
13–15						20, 31	
15–17			D-6		28"	1, 0, 0, 47	
17–19			D-7		28"	1, 0, 0	
19–21							

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-10-02

Checked by:

Hole Size:

Sheet: 1 of 1

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 1

Log of Borehole: BH1B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) ■ 10 20 30 40 ■ / •Health Physics (dpm)• 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base.				0	
1						3	>100
		Fill - Brown SILTY CLAY and gravel, some f-c sand; damp. @ 2.3'-2.9' - wet/saturated.	D-1		35/36	0	
2							
3		Native - Brown SILTY CLAY (Topsoil).				0	
4		Brown and gray mottled SILTY CLAY, trace f-m sand; moist, soft.	D-2		23/36	0 10	
5		Brown SILTY CLAY, little f-c sand, trace gravel; damp, stiff.				0	
6						1	
7			D-3		36/36	1 13	
8						0	
9						2	
10		Brown CLAY and SAND, little f-c gravel; damp	D-4		36/36	6 18	
11		Brown SILTY CLAY, little f-c sand, trace gravel; damp, stiff.				3	
12		Gray SILTY CLAY, little f-c sand, trace gravel, damp, stiff				7	
13			D-5		36/36	3 24	
14		@12.0 to 14.2 - Iron stained fracture w/solvent odor.				8	
15						1	
16			D-6		36/36	1 17	
17						1	
18						1	
19			D-7		36/36	0 21	
20						0	
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-10-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 1

Log of Borehole: BH1C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate Base					>100
1		Fill - Breown SILTY CLAY and gravel; damp.	D-1		31"		
2							
3		Fill - Brown/black/gray SILTY CLAY, little f-c sand; damp to moist. @ 4.0' to 4.8' - increased moisture - moist to wet.					
4			D-2		26"	18	
5							
6							
7			D-3		17"	12	
8							
9							
10			D-4		22"	17	
11							
12		Native - Soft gray SILTY CLAY, little f-c sand, trace gravel; moist. High plasticity.					
13			D-5		30"		
14						20	
15		Stiff gray SILTY CLAY, little f-c sand, trace gravel; damp.					
16			D-6		30"		
17							
18							
19			D-7		36"		
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-9-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 1

Log of Borehole: BH1D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base					
1		Fill - Brown and black SILTY CLAY; moist. Organic odor.	D-1		33"		
2						80	
3						8	
4			D-2		31"		
5							
6		@ 6.0' - Increase in moisture content.					
7			D-3		33"	1 10	
8		Native - Brown SILTY CLAY, little f-c sand, little gravel; damp to moist, very stiff. Contains vertical iron stained fractures.					
9						25	
10			D-4		32"		
11		Gray SILTY CLAY, little f-c sand, trace gravel; damp.					
12							
13			D-5		33"	9	
14							
15						50	
16			D-6		36"		
17							
18							
19			D-7		36"	20	
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-9-02

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Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 1

Log of Borehole: BH1E

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Brown GRAVEL and silty clay, some f-c sand; damp.	D-1		31/36	0, 1, 0	>100
3		Native - Dark brown and gray SILTY CLAY (topsoil).				0	
4		Native - Brown and gray mottled SILTY CLAY, trace f-c sand; moist.	D-2		19/36	0, 0	15
6		Brown SILTY CLAY, little f-c sand, trace gravel; medium stiff.	D-3			0, 0, 0	
8		@ 8.3' - Iron stained fractures.				0	29
9			D-4			0	
10		Gray SILTY CLAY, little f-c sand, little gravel; damp, stiff.				0, 0	18
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-9-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 1

Log of Borehole: BH1F

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Brown GRAVEL and silty clay, some f-c sand; damp to moist.	D-1		30/36	0	>100
1						0	
2						0	
3						0	>100
4		Native - Dark brown and gray SILTY CLAY (topsoil).	D-2		32/36	0	
5		Brown and gray mottled SILTY CLAY; damp to moist.				0	
6		Brown SILT; wet.				0	
7		Brown and gray mottled SILTY CLAY; damp to moist.	D-3			0	31
8		Brown SILTY CLAY, little f-c sand, trace gravel; moist to damp. Contains iron stains/fractures throughout sample.					
9							
10		End of Borehole at 9 ft					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-12-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 2

Log of Borehole: BH2B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Brown and gray GRAVEL and silty clay, some f-c sand.	D-1		14/36	0 28	
1							
2							
3		Native - Dark gray SILTY CLAY (topsoil).				0	
4		Brown and gray mottled SILTY CLAY, trace f-m sand; moist.	D-2			0 8	
5						0	
6		Brown SILT, trace f sand; wet				0	
		Brown SILTY CLAY, little f-c sand, trace f gravel; moist to damp.	D-3			0 13	
8						0	
9		@ 9.3' to 11.3' - contains iron stained fractures.				0	
10			D-4			0	
11						0 16	
12		Gray SILTY CLAY, little f-c sand, little gravel; damp, stiff. Contains iron stained fractures.					
13		End of Borehole at 12 ft					
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-12-02

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Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 2

Log of Borehole: BH2C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base					
1		Fill - Brown SILTY CLAY, some f-c sand, little gravel; damp to moist.	D-1		36/36	0 0 0 70	
2							
3							
4			D-2		31/36	0 27	
5							
6							
7		Native - Brown SILTY CLAY, trace f-m sand; damp, medium stiff.	D-3		25/36	0 0 28	
8							
9		Gray SILTY CLAY, little f-c sand, trace gravel; damp, medium stiff to stiff. @ 9.0' to 12.0' - Contains iron stained fractures.	D-4		36/36	06 0 0	
10							
11							
12		@ 12.0' - Increased moisture content.	D-5		15/36	0 14 0 0 0	
13							
14							
15							
16			D-6			0 19 0	
17							
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-12-02

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Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 2

Log of Borehole: BH2D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) ■ 10 20 30 40 ■ / Health Physics (dpm) • 20 40 60 80 •	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Aggregate base				0	
1		Fill - Brown SILTY CLAY, little f-c sand, trace gravel; stiff.	D-1		31/36	0 34	
2						0	
3		Fill - brown and gray mottled SILTY CLAY, trace f-c sand; moist.				0 28	
4		Native - Dark gray SILTY CLAY (topsoil).	D-2		18/36	0	
5						0	
6		Light brown SILTY CLAY, little f-c sand; moist.				0	
		@ 7.0' to 7.6' - moist, soft.	D-3		36/36	0	
8						0 22	
9		Gray SILTY CLAY, little f-c sand, little f gravel; damp to moist, stiff.				0	
10		@ 10.0' to 10.8' - Vertical and horizontal iron stained fractures.	D-4		36/36	0 18	
11						0	
12						0 17	
13			D-5		36/36	0	
14						0	
15						0	
16			D-6		36/36	0	
17						0 9	
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-12-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 3

Log of Borehole: BH3A

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Fill - Aggregate base.	D-1		34/36		
2		Native - Dark gray and black SILTY CLAY (topsoil), trace f-m sand. Contains organic material.					
3		Brown and gray mottled SILTY CLAY, trace f-m sand; moist.	D-2		32/36		
4							
5		Brown SILT, little clay; moist to wet.					
6		@ 6.0' - Saturated/wet	D-3		31/36		
7							
8							
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Drill Date: 12-19-02

Hole Size:

Datum:

Checked by:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 3

Log of Borehole: BH3B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Aggregate base.				0	
1		Fill - Brown SILTY CLAY and f-c sand, some gravel.	D-1		32/36	0 93	
2						0	
3		Native - Brown and gray mottled SILTY CLAY, trace f-m sand; moist.				0	
4			D-2		30/36	0 12	
5		@ 5.0' - moist to wet.				0	
6		Brown SILT, trace f sand; wet.				0	
			D-3		28/36	0	
8						0 13	
9						0	
10		@ 10.0' - gradational change from brown to gray.	D-4		21/36	0	
11						0 14	
12						0	
13		Gray SILTY CLAY, little f-c sand, trace gravel; damp to moist, stiff.	D-5		32/36	0	
14						0	
15		End of Borehole at 15 ft					
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-13-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 3

Log of Borehole: BH3C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
0–3.5		Fill - Brown SILTY CLAY, some f-c sand, trace gravel	D-1		36/36	0, 0, 0, 0, 43	
3.5–4		Native - Dark gray and black SILTY CLAY (topsoil).					
4–7		Brown and gray mottled SILTY CLAY; damp.	D-2		34/36	0, 0, 0, 0, 20	
7–10		Brown SILT; wet.	D-3		20/36	0, 0, 0, 06	
10–11		Gray CLAY; moist, medium stiff.	D-4		36/36	0, 0, 0, 14	
11–18		Gray SILTY CLAY, little f-c sand, trace gravel; damp to moist, stiff.	D-5		16/36	0, 0, 0, 12	
			D-6		32/36	0, 0, 0, 14	
18		End of Borehole at 18 ft					

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Drill Date: 12-12-02

Hole Size:

Datum:

Checked by:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 3

Log of Borehole: BH3D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Brown SILTY CLAY, some f-c sand, some gravel; damp.	D-1		36/36	32	
4		Fill - Gray SILTY CLAY, little f-c sand, trace gravel; moist to wet, soft to very soft.	D-2		34/36	17	
8			D-3		20/36	15	
10		Native - Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.	D-4		36/36	28	
13			D-5		16/36	46	
16			D-6		32/36	18	
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-12-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 3

Log of Borehole: BH3E

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
0–3		Fill - Brown SILTY CLAY, some f-c sand, some gravel; damp to moist.	D-1		36/36	47	
3–6		Native - Brown and gray mottled SILTY CLAY, trace f-c sand. Contains iron stains.	D-2		19/36	53	
6–7		Brown SILT, trace f sand; wet.					
7–9		Brown SILTY CLAY, little f-c sand, trace gravel; damp, stiff. Contains iron stained fractures.	D-3		36/36	14	
9–12		Gray SILTY CLAY, little f-c sand, trace gravel; damp, dense	D-4			06	
12		End of Borehole at 12 ft					

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-13-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 3

Log of Borehole: BH3F

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base					
1		Fill - Brown SILTY CLAY, some f-c sand, little gravel; damp.	D-1		34/36		
2							
3							
4		Native - Brown and gray mottled SILTY CLAY, trace f-c sand, trace gravel; damp.	D-2		32/36		
5							
6		Brown SILT, trace clay, trace f sand; wet.					
		Brown SILTY CLAY, trace f-c sand; dry to damp, dense. Contains iron stained fractures.	D-3		31/36		
8							
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-19-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 4

Log of Borehole: BH4A

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Fill - Brown and gray GRAVEL, some silty clay; damp.	D-1		32/36		
2		Native - Dark gray and black SILTY CLAY (topsoil), trace f-c sand. Contains organic material.					
3		Brown and gray mottled CLAYEY SILT; moist to wet.	D-2				
4							
5							
6		Brown SILTY CLAY, little f-c sand, trace gravel; moist.	D-3				
7							
8							
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Drill Date: 12-19-02

Hole Size:

Datum:

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Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 4

Log of Borehole: BH4B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) ■ 10 20 30 40 ■ •Health Physics (dpm)• 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Brown and gray SAND and GRAVELsome silt, little clay; damp.	D-1		33/36	0 16	
3		Native - Dark gray and black SILTY CLAY(topsoil), trace f-c sand; damp.	D-2		21/36	0 25	
4		Native - Brown and gray mottled SILTY CLAY, trace f-m sand; moist, medium stiff.					
6		Brown and Gray CLAYEY SILT w/ silt lenses; wet, soft.	D-3		36/36	0 8	
8		Brown SILTY CLAY, trace f-c sand; damp, laminated. Contrains iron stained fractures.					
9		Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.	D-4		36/36	0 11	
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Drill Date: 12-16-02

Hole Size:

Datum:

Checked by:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 4

Log of Borehole: BH4C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) ■ 10 20 30 40 ■ •Health Physics (dpm)• 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base.					
1		FILL - Brown SILTY CLAY and f-c sand, some gravel; damp, stiff.	D-1		36/36	82	
2							
3							
4			D-2		33/36		
5		Fill? - Gray SILTY CLAY, trace f-c sand; moist, soft.					
6							
7		Fill? - Gray and brown f GRAVEL and f-c sand; wet, well sorted.					
8		Native - Brown SILTY CLAY, trace f-m sand; damp, stiff.	D-3		27/36		
9		Gray SILTY CLAY, little f-m sand; moist.					
10		@ 10.0' - 11.5' - iron stained fractures.	D-4		33/36		
11							
12		Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.					
13			D-5		36/36	53	
14							
15							
16			D-6		36/36		
17						37	
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Drill Date: 12-13-02

Hole Size:

Datum:

Checked by:

Sheet: 1 of 1

Project No: 2116-25

roject: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 4

Log of Borehole: BH4D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) ■ 10 20 30 40 ■ / Health Physics (dpm) • 20 40 60 80 •	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Aggregate base.					
1			D-1		36/36	42	
2		Fill - Dark gray and black SILTY CLAY, little f-c sand, trace gravel.					
3							
4		Fill - Dark gray SILTY CLAY, little f-c sabd, trace gravel; moist, soft.	D-2		24/36		
5						15	
6							
			D-3		22/36		
8						8	
9							
10			D-4		17/36		
11						05	
12							
13			D-5		15/36		
14						53	
15							
16		Native - Black SILTY CLAY, little f-c sand, little gravel; moist to wet.	D-6		32/36		
17		Native - Gray SILTY CLAY, little f-c sand, little gravel; damp.					
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-13-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 4

Log of Borehole: BH4E

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggreegate base.				0	
1						0	
		Fill - Brown SILTY CLAY, little f-c sand, little gravel; damp, stiff.	D-1		33/36	0	65
2						0	
3						0	
		Native - Dark gray SILTY CLAY (topsoil), trace f-m sand; damp				0	
4						0	
		Brown and gray mottled SILTY CLAY, trace f sand; moist, medium stiff.	D-2		24/36	0	51
5						0	
6						0	
7		Brown and gray CLAYEY SILT w/ silt lenses; wet, loose/soft.				0	
			D-3		34/36	0	9
8		Brown SILTY CLAY, trace f-c sand, trace gravel.				0	
9		Gray SILTY CLAY, little f-c sand, little gravel; damp, stiff.				0	
10						0	
			D-4			0	
11		Gray CLAY; damp, high plasticity.				0	51
		Gray SILTY CLAY, little f-c sand, little gravel; damp, stiff.					
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-16-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 4

Log of Borehole: BH4F

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Fill - Aggregate base.					
2		Fill - Brown and gray mottled SILTY CLAY, trace f-m sand; damp.	D-1		32/36		
3							
4		Fill - Brown and gray SILTY CLAY; moist, medium stiff. Refusal at 4.5'	D-2		16/36		
5		End of Borehole at 4.5 ft					
6							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Drill Date: 12-19-02

Hole Size:

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 5

Log of Borehole: BH5A

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base.				0	
1		Possible fill -Brown f-c SAND and GRAVEL.	D-1		30/36	0 15	
2		Brown and gray mottled SILTY CLAY; moist.				0	
3						0 40	
4		Brown SILT, trace clay; wet.	D-2		27/36	0	
5						0	
6		Brown SILTY CLAY, little f-c sand; damp.					
7			D-3				
8		Gray SILTY CLAY, little f-c sand, trace gravel; damp.					
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

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Hole Size:

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 5

Log of Borehole: BH5B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Aggregate base.				0	
1		Possible fill - Brown f-c SAND and GRAVEL.	D-1		29/36	0 40	
2		Brown and gray mottled SILTY CLAY; moist.				0	
3						0	
4		Brown SILT, trace clay; wet.	D-2		30/36	0	
5		Brown SILTY CLAY, little f-c sand; damp.				0	
6						0	
			D-3		36/36	0	
8		Gray SILTY CLAY, little f-c sand, trace gravel; damp.				0	
9							
10			D-4		12/36		
11							
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 5

Log of Borehole: BH5C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base.					
1		Fill - Brown f-c SAND and GRAVEL; wet.	D-1		29/36	27	
2		Brown and gray mottled CLAYEY SILT, little f-c sand; moist.					
3							
4		Brown SILT, trace f sand; wet.	D-2		30/36	12	
5							
6		Brown SILTY CLAY, trace f-m sand; damp.					
7			D-3		36/36	51	
8		Gray SILTY CLAY, little f-c sand, little gravel; damp.					
9							
10			D-4		34/36	12	
11							
12						17	
13			D-5		35/36		
14							
15							
16			D-6			15	
17							
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-16-02

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 5

Log of Borehole: BH5D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) ■ 10 20 30 40 ■ / ♦Health Physics (dpm)♦ 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Aggregate base.					
1		Fill - Brown SILTY CLAY and f-c sand, some gravel.	D-1		36/36	>100	
2							
3		Brown and gray mottled CLAYEY SILT, little f-c sand; damp. contains organic material.					
4			D-2		29/36		
5		Brown SILT w/ clay lenses; wet.				35	
6							
		Brown CLAY.	D-3		28/36		
8		Brown SILT; wet.				60	
9		Gray SILTY CLAY, little f-c sand, little gravel; damp, stiff.					
10			D-4		35/36		
11						15	
12							
13			D-5		36/36		
14						11	
15							
16			D-6		33/36	12	
17							
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

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Hole Size:

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 5

Log of Borehole: BH5E

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base.				0	
1		Fill - Brpwn SILTY CLAY and f-c sand, trace gravel.	D-1		34/36	0	>100
2						0	
3		Possible fill - Dark gray SILTY CLAY (topsoil).				0	
4		Brown f-c SAND and GRAVEL.	D-2		25/36	0 44	
5		Brown SILT, trace f sand; wet.				0	
6						0	
7		Brown and gray CLAY.	D-3			0	
8		Gray SILTY CLAY, little f-c sand, little gravel; damp. Contains iron stained fractures from 7.5' to 10.2'.				0 15	
9						0	
10			D-4			0	
11						0 12	
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

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Hole Size:

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Project No: 2116-25

roject: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 5

Log of Borehole: BH5F

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Brown f-c SAND, some silt, trace gravel.				0	
1		Fill - Brown SILTY CLAY, little f-c sand, trace gravel; moist. Contains wood.	D-1		32/36	0 78	
2						0	
3		Native - Brown SILTY CLAY; moist to wet.				0	
4		Brown f-c SAND and f GRAVEL: wet.	D-2		24/36	0 24	
5		Brown SILT, trace clay; wet.				0	
6		Brown CLAY; highly plastic.				0	
		Brown SILTY CLAY, trace f-c sand; damp.	D-3		29/36	0 10	
8		Gray SILTY CLAY, little f-c sand, trace gravel; damp. Contains iron stained fractures.				0	
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

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Hole Size:

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 6

Log of Borehole: BH6A

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
0–2		Fill - Light brown and gray SILTY CLAY, trace f-c sand; damp.	D-1		36/36	0, 0, 0, 23	
2–6		Fill - Brown and gray SILTY CLAY; moist.	D-2		30/36	0, 0, 0, 0, 27	
6–9		Fill - Brown and gray SILTY CLAY, trace f-c sand, trace gravel; moist, soft.	D-3		26/36	0, 0, 0, 0, 24	
9–11		@ 9.0' to 10.9' - increased moisture content.	D-4		23/36	0, 0, 0, 1, 9	
11–14		Native - Brown and gray SILTY CLAY.	D-5		31/36	0, 1, 1, 26	
14–15		Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.					
15		End of Borehole at 15 ft					

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-5-02

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Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 6

Log of Borehole: BH6B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Fill - Brown and gray SILTY CLAY, little f-c sand, trace f gravel; moist.	D-1		32/36	0 22	
2						0	
3						0 14	
4			D-2		30/36	0	
5						0	
6		@ 5.8' - Contains organic material.				0	
7		Possible fill - Gray SILTY CLAY, trace f-c sand; moist to wet. Increasing moisture with depth.	D-3		32/36	0 28	
8						1	
9						1 19	
10		Native - Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff. Confining layer at 9.6'.	D-4		36/36	0	
11						0	
12						0	
13			D-5		36/36	0 19	
14						0	
15						0	
16							
17							
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-5-02

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Hole Size:

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 6

Log of Borehole: BH6C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
0–3		Fill - Brown and gray SILTY CLAY, little f-c sand, trace gravel; damp to moist.	D-1		36/36	0, 0, 0, 0, 26	
4–5		@ 4.5' - contains wood	D-2		31/36	0, 0, 8, 0	
7–8		@ 7.0 to 7.1 and 7.6' to 8.5' - Increased moisture content/seepage, moist to wet.	D-3		36/36	0, 0, 0, 18	
9–12		Native - Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.	D-4		36/36	0, 15, 1, 1, 0	
13–14			D-5		36/36	0, 16, 0	
15		End of Borehole at 15 ft					

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-5-02

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Hole Size:

Sheet: 1 of 1

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 6

Log of Borehole: BH6D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Brown and gray SILTY CLAY, trace to little f-c sand, trace gravel; moist.				0 19	
1			D-1		36/36	0 19	
2						0 19	
3						0 18	
4			D-2		33/36	0 18	
5						0 18	
6						0 19	
7			D-3		36/36	0 19	
8		@ 8.0' and 9.0' to 10.5' - increased moisture content/seepage, moist to wet.				1 19	
9						0 20	
10			D-4		36/36	1 20	
11		Native - Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.				1 20	
12						1 17	
13			D-5		36/36	1 17	
14						1 17	
15						1 37	
16			D-6			0 37	
17						0 37	
18		End of Borehole at 18 ft				0 37	
19							
20							
21							

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-5-02

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Hole Size:

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SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 7

Log of Borehole: BH7A

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Concrete				0	
1		Possible fill - Dark gray SILTY CLAY, trace f-c sand, trace gravel; moist to wet. Contains roots and organic material.	D-1		16/36	0	
2						0	
3		Native - Brown and gray mottled SILTY CLAY, trace f sand; moist.				0	
4		Brown CLAYEY SILT; moist.	D-2		30/36	0	
5		Brown CLAY, trace silt, trace f-m sand; damp, highly plastic.				0	
6						0	
7			D-3		33/36	0	
8		Brownish gray SILTY CLAY, little f-c sand, trace gravel; damp. Contains iron stained fractures.				0	
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

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Hole Size:

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 7

Log of Borehole: BH7B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface				0	
		Concrete.				0	
1		Possible fill - Dark gray SILTY CLAY. Contains roots and organic material.	D-1		26/36	0	
2		Native - Brown and gray mottled SILTY CLAY; moist.				0	
3						0	
4		Brown SILT, little clay, little f sand; wet.	D-2		36/36	0	
5						0	
6		Brown and gray mottled CLAY; damp; highly polastic. Confining layer.				0	
7		Brown SILTY CLAY, little f-m sand; damp.	D-3		36/36	0	
8						0	
9		Gray SILTY CLAY, little f-c sand, trace gravel; damp to moist.				0	
10			D-4		36/36	0	
11						0	
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 7

Log of Borehole: BH7C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Concrete				0	
1		Fill - Brown, gray and red mottled SILTY CLAY, some f-c sand; moist.	D-1		20/36	0	
2		Fill - Brown f-c SAND; wet.				0	
3						0	
4		Fill - Black and gray SILTY CLAY; moist to wet. Contains roots and orgamic material.	D-2		21/36	0	
5						0	
6		Fill - Brown, black and gray SILTY CLAY, some f-c sand; moist to wet; soft.				0	
7			D-3		25/36	0	
8						0	
9						0	
10		Native - Gray CLAY; moist to wet; medium stiff.	D-4		28/36	0	
11		Gray SILTY CLAT, little f-c sand, trace gravel; damp.				0	
12						0	
13			D-5		30/36	0	
14						0	
15						0	
16			D-6		36/36	0	
17						0	
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 7

Log of Borehole: BH7D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface				0	
		Concrete				0	
1		Fill - Brown SILTY CLay and gravel; moist.	D-1		20/36	0	
2		Fill - Brown, gray and orange SILTY CLAY; moist to wet. Contains organic material.				0	
3						0	
4		Fill - Brown f-c SAND; wet.	D-2		17/36	0	
5						0	
6		Fill - Brown, black and gray SILTY CLAY, little f-c sand; moist to wet.	D-3		19/36	0	
8						0	
9		Native - Gray SILTY CLAY, trace f-c sand; moist. Decreasing moisture content with depth.	D-4		28/36	0	
10						0	
11						0	
12		Gray SILTY CLAY, little f-c sand, trace gravel; damp.	D-5		36/36	0	
13						0	
14						0	
15			D-6		36/36	0	
16						0	
17						0	
18		End of Borehole at 18 ft				0	
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 7

Log of Borehole: BH7E

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Concrete				0	
1		Fill - Brown SILTY CLAY, little f-c sand, trace gravel; moist to wet.	D-1		11/36	0	
2						0	
3		Native - Brown and gray mottled SILTY CLAY, trace f-c sand.				0	
4						0	
5		Brown SILT, little clay, little f sand; wet.	D-2		30/36	0	
6		Brown SILTY CLAY, little f-c sand; moist. Confining layer.				0	
7						0	
8		Gray SILTY CLAY, little f-c sand, trace gravel; damp.	D-3		36/36	0	
9							
10			D-4		36/36		
11							
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-19-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 7

Log of Borehole: BH7F

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Concrete				0	
1		Fill - Gray SILTY CLAY, trace f-m sand.	D-1		6/36	0	
2						0	
3		Native - Brown and gray mottled SILTY CLAY; moist.				0	
4		Brown CLAYEY SILT; wet.	D-2		30/36	0	
5		Brown CLAY, trace silt, trace f-m sand; damp. Highly plastic.				0	
6		Brownish gray SILTY CLAY, little f-c sand, trace gravel. Contains iron stained fractures.	D-3		33/36	0	
8						0	
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-19-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 8

Log of Borehole: BH8A

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Black aggregate base.				0	
1		Native - Dark gray and black SILTY CLAY (topsoil).	D-1		29/36	0	
2		Brown and gray mottled SILTY CLAY.				0	
3						0	
4		Brown and gray SILT; moist to wet.	D-2		36/36	0	
5		Brown SILTY CLAY, little f-c sand, trace gravel; damp, stiff.				0	
6		Brown CLAYEY SILT; wet.				0	
7		Brown SILTY CLAY, little f-c sand, trace gravel; damp, stiff.	D-3		36/36	0	
8		Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.				0	
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-19-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 8

Log of Borehole: BH8B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Black aggregate base.				0	
1		Fill - Gray GRAVEL and f-c sand.				0	
		Native - Dark gray and black SILTY CLAY (topsoil).	D-1		36/36	0 41	
2		Dark gray CLAYEY SILT; moist to wet.				0	
3						0	
4			D-2			0	
5		Brown, orange and gray mottled SILTY CLAY, trace f-c sand; damp.				0 28	
6		Brown and gray f-c SAND, little gravel; wet.				0	
		Brownish gray SILTY CLAY, little f-c sand; damp to moist. Contains laminated highly plastic clay lenses.	D-3			0	
8						0 21	
9		Gray SILTY CLAY, little f-c sand, trace gravel; damp.				0	
10			D-4			0	
11						0 17	
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-18-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 8

Log of Borehole: BH8C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base.				0	
1		Native - Dark gray and black SILTY CLAY (topsoil).	D-1		30/36	0	
2		Native - Brown, gray and green mottled SILTY CLAY; moist to wet, soft.				0	
3						0	
4			D-2		31/36	0 13	
5		Brown SILTY CLAY, little f-c sand, trace gravel; damp, stiff. Contains iron stained fractures.				0	
6						0	
7			D-3		34/36	0 15	
8		Gray SILTY CLAY, little f-c sand, little gravel; damp.				0	
9		@ 7.8' to 9.8' - Contains iron stained fractures.				0	
10			D-4		36/36	0 18	
11						0	
12						0	
13			D-5		36/36	0	
14						0 14	
15						0	
16			D-6		36/36	0	
17						0 18	
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 8

Log of Borehole: BH8D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
0–1		Fill - Black f-c SAND and GRAVEL (Aggregate base).					
1–6.5		Fill - Brown, black and gray SILTY CLAY, little f-c sand; moist to wet.	D-1		31/36		
3–6			D-2		21/36	31	
6–8		@ 6.5' - Black organic stains.	D-3		18/36	19	
8–13			D-4		26/36	22	
13–18		Native - Gray SILTY CLAY, little f-c sand, trace gravel; damp to moist.	D-5		25/36	20	
15–18			D-6		36/36	17	
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-18-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 8

Log of Borehole: BH8E

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Black aggregate base.				0	
1		Fill - Gray aggregate base.				0	
		Possible fill - Dark gray SILTY CLAY, little f-c sand; moist to wet.	D-1		27/36	0	
2						0	
3						0	
4						0	23
		Native - Brown SILTY CLAY, trace f-m sand; damp to moist. Laminated.	D-2		26/36	0	
5						0	
6		Brown SILTY CLAY, little f-c sand, trace gravel; damp.				0	
7						0	38
		Gray SILTY CLAY, little f-c sand, trace gravel; damp.	D-3		34/36	0	
8						0	
9						0	
10		@ 10.0' to 10.9' - moist to wet.	D-4		28/36	0	33
11						0	
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

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Hole Size:

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Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 8

Log of Borehole: BH8F

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) ■ 10 20 30 40 ■ •Health Physics (dpm)• 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0–1		Fill - Gray and black aggregate base.					
1–2		Dark gray and black SILT, trace f sand, trace clay; moist.	D-1		31/36		
2–3		Brown SILTY CLAY, trace f-m sand; damp.					
3–4		Brown SILT, trace clay, trace f sand; wet. @3.5' to 3.7' - Clay lens, highly plastic.	D-2				
4–6		Brown SILTY CLAY, trace cf-c sand; damp. Contains iron stained fractures.	D-3				
6–8		Gray SILTY CLAY, little f-c sand; damp, laminated.					
8–9		End of Borehole at 9 ft					

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-19-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 9

Log of Borehole: BH9A

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) ■ 10 20 30 40 ■ •Health Physics (dpm)• 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Fill - Brown SILTY CLAY and gravel.					
2		Native - Brown CLAYEY SILT; moist.	D-1		30/36		
3		Brown and gray mottled SILTY CLAY; damp.					
4		Brown SILT, trace clay, trace f sand, wet.	D-2		31/36		
5							
6							
7			D-3		36/36		
8		Gray SILTY CLAY, little f-c sand, trace gravel; damp.					
9		End of Borehole at 9 ft					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-19-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 9

Log of Borehole: BH9B

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Aggregate base.				0	
1		Brown and gray mottled CLAYEY SILT, trace f-c sand; moist.	D-1		25/36	0 30	
2						0	
3						0	
4		Brown SILT, trace clay; wet.	D-2		31/36	0 18	
5						0	
6		Brown CLAY; moist.				0	
7		Brown SILT, little f sand; wet.	D-3		34/36	0 20	
8		Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.				0	
9						0	
10			D-4			0 18	
11						0	
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-18-02

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Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 9

Log of Borehole: BH9C

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Aggregate base.				0	
1			D-1		28/36	0	
2		Fill - Dark gray and black SILTY CLAY, little f-c sand, trace gravel. Contains organic materials.				0 41	
3						0	
4		Fill - Gray SILT and f sand, trace claymoist to wet	D-2		30/36	0 21	
5						0	
6		@ 6.0' - saturated/wet.				0	
7			D-3		32/36	0 17	
8						0	
9		Native - Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.				0	
10			D-4		36/36	0 27	
11						0	
12						0 38	
13			D-5		36/36	0	
14						0	
15						0	
16			D-6		36/36	0 15	
17						0	
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 9

Log of Borehole: BH9D

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0		Fill - Aggregate base.				0	
1			D-1		24/36	0 29	
2		Fill - Gray SILTY CLAY, trace f-c sand.				0	
3		Fill Dark gray CLAYEY SILT; moist to wet, soft.				0	
4			D-2		30/36	0 17	
5						0	
6						0	
7			D-3		24/36	0 21 8	
9						0	
10			D-4		19/36	0	
11						0	
12		Fill - Gray and Black SILTY CLAY, little f-c sand; moist to wet. Contains organic materials/stains.				0 14	
13			D-5			0	
14						0	
15		Native -Gray SILTY CLAY, little f-c sand, little gravel; damp.				0	
16			D-6			0 11	
17						0	
18		End of Borehole at 18 ft					
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 9

Log of Borehole: BH9E

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
		Fill - Aggregate base.				0 16	
1						0	
		Fill - Gray SILTY CLAY, little f-c sand.	D-1		25/36	0	
2						0	
		Native - Brown, gray and orange mottled SILTY CLAY.				0	
3							
4		Brown CLAYEY SILT; moist to wet.	D-2		28/36	0 11	
5		Brown SILTY CLAY, trace f-m sand; damp, laminated.				0	
6						0	
7						0 17	
8		Gray SILTY CLAY, little f-c sand; damp.	D-3		36/36	0	
9						0	
10						0	
11			D-4		36/36	0	
12		End of Borehole at 12 ft					
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-17-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: Transect 9

Log of Borehole: BH9F

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Fill - Brown SILTY CLAY and gravel.					
2		Native - Dark gray and black SILTY CLAY.	D-1		29/36		
3		Brown and gray mottled SILTY CLAY; moist.					
4							
5		Brown CLAYEY SILT; moist to wet.	D-2		32/36		
6		Brown SILTY CLAY, little f-c sand, tace gravel.					
8			D-3		36/36		
9		Gray SILTY CLAY, little f-c sand, trace gravel; damp, stiff.					
10		End of Borehole at 9 ft					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 12-19-02

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 90' West of MW-901

Log of Borehole: BH11

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1, 2		FILL - Dark Gray Silty Clay, little f-c sand, gravel; damp	D-1		28/36		
3, 4, 5		Brown and Gray Mottled Clayey Silt (CL-ML) low to no plasticity, non-cohesive; moist @4.9'-5.1' and 5.3'-5.6' Silt; moist to wet	D-2		36/36		
6, 7		Brown Silty Clay, trace f-c sand, iron staining, fractures; damp	D-3		36/36		
8, 9		Gray Silty Clay, little f-c sand, gravel; damp, stiff					
10, 11			D-4		36/36		
12, 13			D-5		36/36		
14, 15							
16		End of Borehole at 15 ft					
17, 18, 19, 20, 21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-31-03

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 80' West of MW-901

Log of Borehole: BH12

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		FILL (possible) Brown and Gray Mottled Clay and Topsoil					
2		Brown Gray and Orange Mottled Silty Clay	D-1		28/36		
3		core loss					
4		Brown Clayey Silt (CL-ML); moist to wet	D-2		22/36		
5		Brown Silty Clay, little f-c sand, trace gravel; damp, stiff					
6		Grownish Gray Clay, little f-c sand, trace gravel, fractures; moist	D-3		31/36		
8		Gray Silty Clay, little f-c sand, trace gravel; damp, stiff					
9							
10		little gravel, angular shale; very stiff	D-4		36/36		
11							
12							
13			D-5		36/36		
14							
15		End of Borehole at 15 ft					
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-31-03

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 60' West of MW-901

Log of Borehole: BH14

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Dark Gray Topsoil (CL), roots/organics; moist					
2		Brown and Gray Mottled Silty Clay	D-1		31/36		
3							
4			D-2		36/36		
5		Brown Silt (ML), trace clay, fine gravel; wet to moist @5.2'-5.6' Brown Silty Clay; moist					
6							
7		Brown Silty Clay, trace f-c sand, iron staining; damp	D-3		36/36		
8		Gray Clay, little f-c sand, gravel; moist, stiff					
9							
10			D-4		36/36		
11							
12		damp, very stiff					
13			D-5		36/36		
14							
15		End of Borehole at 15 ft					
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-31-03

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 51' West of MW-901

Log of Borehole: BH15

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Brown Clay (Topsoil), roots/organics					
2		Light Brown /Clayey Silt (cl-ml), trace f-c sand; moist, very soft	D-1		26/36		
3							
4		Brown Silt, trace fine sand, clay; wet	D-2		29/36		
5							
6		Brown Clay (CH), high plasticity; moist					
		Brown Silt (ML); wet					
		Brown and Gray Clay (CL) (Till transition zone), little f-c sand, gravel; damp	D-3		36/36		
8							
9		(sharp vertical contact from brown to gray)					
10			D-4		36/36		
11							
12							
13		Gray Clay, little f-c sand, gravel; damp	D-5		36/36		
14							
15		End of Borehole at 15 ft					
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-30-03

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 42' West of MW-901

Log of Borehole: BH16

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1 2		FILL - Brown Silty Clay and Sand and Gravel; wet	D-1		16/36		
3 4		Brown Clayey Silt, trace f-c gravel, low to no plasticity, low cohesion; moist to wet	D-2		31/36		
5		Brown Silt; wet					
6		Brown/Gray/Orange Mottled Clay, f-c sand					
7		Brown Silty Clay, trace f-c sand	D-3		36/36		
8 9		Brown and Gray Silty Clay, little f-c sand, trace gravel; damp					
10 11		Gray Silty Clay, little f-c sand, trace gravel; damp, stiff to very stiff	D-4		36/36		
12 13 14			D-5		36/36		
15		End of Borehole at 15 ft					
16 17 18 19 20 21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-30-03

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 30' West of MW-901

Log of Borehole: BH17

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
		Ground Surface					
0–1		FILL - Brown Silty Clay; moist to wet, soft	D-1		29/36		
1–2		Dark Brown Silty Clay, organic/fibers; moist					
2–4		FILL - Brown Silty Clay, little f-c sand, organics - heterogeneous; wet @ 3.5'	D-2		32/36		
4–6		Possible FILL - Brown Silty Clay, little f-c sand, gravel; damp	D-3		36/36		
6–8		Brown Silty Clay, little f-c sand, gravel; damp, stiff					
8–11		Brown and Gray	D-4		36/36		
11–12		Gray Silty Clay, little f-c sand, gravel; damp					
12–15			D-5				
15		End of Borehole at 15 ft					

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-30-03

Checked by:

Hole Size:

Sheet: 1 of 1

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 20' West of MW-901

Log of Borehole: BH18

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		FILL - Light Brown Silty Clay, some to and f-c sand, some gravel; damp	D-1		29/36		
2		Gray/Black Silty Clay (Topsoil), roots/organics					
3		Brown and Gray Mottled Silty Clay, trace f-c sand; damp, stiff-very stiff	D-2		36/36		
4							
5							
6		Brown and Gray Silty Clay, Iron Streaks; very stiff to hard	D-3		36/36		
7							
8							
9		Gray Silty Clay, little f-c sand, trace gravel	D-4				
10							
11		11.2' - 13.3' vertical fractures, slight rust staining					
12							
13			D-5				
14							
15		End of Borehole at 15 ft					
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-29-03

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 10' West of MW-901

Log of Borehole: BH19

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
0–1		FILL - Light Brown Silty Clay, roots/organics					
1–2		Dark Gray/Black Silty Clay (topsoil), organic fibers	D-1		32/36		
2–3		Brown and Gray Mottled Silty Clay, little f-c sand; moist, medium stiff					
4–5		Brown Silt, little clay; wet	D-2		36/36		
5–6		Brown and Gray Mottled Silty Clay, roots; gray vertical fractures					
6–8		Brown Silty Clay, little f-c sand, trace gravel; damp	D-3		36/36		
9		Brownish Gray Silty Clay, little f-c sand, trace gravel; damp					
10–12		Gray Silty Clay, little f-c sand, trace gravel; damp	D-4		36/36		
13–14		@13.1-14.0 Iron Stained fractures; damp	D-5		36/36		
15		End of Borehole at 15 ft					
16–21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-29-03

Checked by:

Hole Size:

Sheet: 1 of 1

Project No: 2116-25

Project: RMIES Geoprobe Investigation

Client: RMIES

Location: 10' East of MW-901

Log of Borehole: BH20

Geologist: K. Smith

SUBSURFACE PROFILE			SAMPLE			Field Screening VOC (ppm) 10 20 30 40 / Health Physics (dpm) 20 40 60 80	Lab Analysis
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface					
1		Fill - Brown SILTY CLAY and gravel.					
2		Native - Dark gray and black SILTY CLAY (topsoil), little f-c sand.	D-1		30/36		
3							
4		Brown and gray mottled SILTY CLAY, little f-m sand; moist.					
5		@ 3.7' to 4.1' - SILT; wet.	D-2		34/36		
6							
7		Brown SILTY CLAY, little f-c sand; damp, laminated.	D-3		36/36		
8							
9							
10			D-4		36/36		
11							
12							
13		Gray SILTY CLAY, little f-c sand, little gravel. Contains vertical iron stain.	D-5		36/36		
14							
15		End of Borehole at 15 ft					
16							
17							
18							
19							
20							
21							

SHARP AND ASSOCIATES, INC. Environmental Engineers, Scientists, & Contractors

Drill Method: Geoporobe Piston Rod

Datum:

Drill Date: 1-29-03

Checked by:

Hole Size:

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