APPENDIX A SOIL BORING LOGS

TEST BORING LOG URS Corporation BORING NO.: GS-01 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 783684.16288 EASTING: 1010237.98664 **BORING CONTRACTOR: GROUND ELEVATION: GROUNDWATER:** CAS. SAMPLER CORE TUBE 898.8668 DATE STARTED: 1/28/08 LEVEL Macrocore DATE TIME **TYPE TYPE DATE FINISHED:** 1/28/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION FILL. Dark gray, slag, coal, and silty medium to coarse sand, moist. 80 ND ML. Brown, CLAYEY SILT, some coarse gravel, moist. SM/GM. Brown, SILTY SAND with gravel, trace clay, moist. 4-8 60 NΠ -10 8-12 ND 12-16 ND 50 wet at 15'. -15 GM. Brown, SILTY GRAVEL, wet. \boxtimes \boxtimes \boxtimes 16-20 50 ND SM. Brown, SILTY medium to coarse SAND, wet. -20 SP. Brown, fine to medium SAND, trace fine gravel, trace silt, wet. 20-24 50 ND SP. Brown, fine to medium SAND, trace coarse sand, wet. -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-01-30-31' and GS-01-35-36' and submitted for analysis of TCL VOCs

Collected water samples GS-01-15-19', GS-01-26-30', GS-01-32-36' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-01 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) ND 24-28 100 -30 28-32 100 ND ML. Brown SILT to CLAYEY SILT, wet, dilatant. 32-36 100 ND -35 End of boring at 36'. -50 -55 -

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-01-30-31' and GS-01-35-36' and submitted for analysis of TCL VOCs

Collected water samples GS-01-15-19', GS-01-26-30', GS-01-32-36' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-02 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 783810.39851 EASTING: 1010300.66919 **BORING CONTRACTOR: GROUND ELEVATION:** 899.8317 **GROUNDWATER:** CAS. SAMPLER CORE TUBE **DATE STARTED:** 1/29/08 LEVEL Macrocore DATE TIME **TYPE TYPE DATE FINISHED:** 1/29/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML/GM. Brown, CLAYEY SILT and GRAVEL, some coarse sand, moist. 60 ND 30 NΠ 4-8 \boxtimes SM/GM. Brown, SILTY medium to coarse SAND and GRAVEL, trace fine sand, moist to dry. . . ⊠ ⊠ \boxtimes ⊠ × \boxtimes -10 8-12 ND ⊠ \boxtimes × \boxtimes \boxtimes × Image: Control of the 12-16 ND 90 . . ⊠ -15 ⊠ ⊠ ⊠ ⊠ × \boxtimes \boxtimes moist from 16 to 18'. Ø 16-20 50 ND SM. Brown, SILTY medium to coarse SAND, some gravel and clay, wet. -20 SP. Brown, fine to medium SAND, trace silt, coarse sand, and fine gravel, wet. 20-24 ND -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-02-27.5-28' and GS-02-31-32' and submitted for analysis of TCL VOCs.

Collected water samples GS-02-28-32', GS-02-23.5-27.5', GS-02-18-22' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-02 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) ND 24-28 100 ML. Brown SILT to CLAYEY SILT, wet, dilatant. -30 28-32 100 ND End of boring at 32'. -35 -50 -55 -

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-02-27.5-28' and GS-02-31-32' and submitted for analysis of TCL VOCs.

Collected water samples GS-02-28-32', GS-02-23.5-27.5', GS-02-18-22' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-03 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** Nature's Way Environmental, Inc. NORTHING: 784018.90139 EASTING: 1010382.07158 **BORING CONTRACTOR: GROUND ELEVATION:** 899.6144 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE 1/29/08 **DATE STARTED:** TIME LEVEL Macrocore DATE **TYPE TYPE** DATE FINISHED: 1/29/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML/GM. Brown CLAYEY SILT and GRAVEL, some coarse sand, moist. 60 ND ML. Brown CLAYEY SILT, some coarse gravel, trace cobbles, moist. 60 NΠ 4-8 -10 8-12 ND GM. Brown, SILTY fine to coarse GRAVEL, some coarse sand, trace cobbles, dry to slightly moist. \boxtimes \boxtimes \boxtimes . . Ø ⊠ 12-16 ND 50 ⊠ × × -15 × Ø $SM. \ Brown, \ SILTY \ medium \ to \ coarse \ SAND, \ some \ fine \ rounded \ gravel, \ trace \ fine \ sand \ and \ clay,$ moist. Becomes very moist 18-20' ND 16-20 50 -20 SM. Brown, SILTY fine to medium SAND, some coarse sand, wet. 20-24 75 ND ML. Brown SILT, wet, dilatant, with occasional clayey zones. -25 COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-03-24-25' and GS-03-29-30' and submitted for analysis of TCL VOCs.

Collected water samples GS-03-20-24', GS-03-26-30' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-03 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 **CLIENT: NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) 24-28 100 ND -30 28-32 100 ND End of boring at 32'. -35 -50 -55 -

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-03-24-25' and GS-03-29-30' and submitted for analysis of TCL VOCs.

Collected water samples GS-03-20-24', GS-03-26-30' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-04 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** Nature's Way Environmental, Inc. NORTHING: 784190.41476 EASTING: 1010453.98459 **BORING CONTRACTOR: GROUND ELEVATION:** 899.6142 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE **DATE STARTED:** 1/30/08 Macrocore DATE TIME LEVEL **TYPE TYPE DATE FINISHED:** 1/30/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Brown CLAYEY SILT, moist ML/GM. Brown CLAYEY SILT and GRAVEL, some coarse sand, moist. \boxtimes 60 ND \boxtimes \boxtimes \boxtimes \boxtimes × \boxtimes ⊠ × \boxtimes 4-8 60 NΠ ⊠ ⊠ ⊠ ⊠ GM. Brown SILTY GRAVEL, some fine to coarse sand, moist. \boxtimes \boxtimes ☒ ⊠ ⊠ \boxtimes \boxtimes -10 8-12 75 ND ⊠ ⊠ ⊠ \boxtimes \boxtimes ⊠ Ø \boxtimes \boxtimes \boxtimes \boxtimes 12-16 ND 50 Ø \boxtimes -15 SW. Brown, fine to coarse SAND, moist. \boxtimes \boxtimes GM. Brown, SILTY coarse SAND to coarse GRAVEL, moist. . . ⊠ ⊠ ⊠ 16-20 50 ND Ø SM. Brown, SILTY fine to coarse SAND, moist, becoming wet at 19.5'. -20 SP. Brown, fine SAND, wet. SM. Brown, SILTY fine to coarse SAND, trace coarse gravel, wet. 75 ND ML. Brown SILT, wet, dilatant. -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-04-23-24' and GS-04-27-28' (plus duplicate FD-SO-013008) and submitted for analysis of TCL VOC

Collected water samples GS-04-19-23' (plus duplicate FD-GW013008), GS-04-24-28' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-04 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 **CLIENT: NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) 24-28 ND 100 End of boring at 28'. -30 -35 -50 -55 -

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-04-23-24' and GS-04-27-28' (plus duplicate FD-SO-013008) and submitted for analysis of TCL VOC

Collected water samples GS-04-19-23' (plus duplicate FD-GW013008), GS-04-24-28' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-05 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 784486.34793 EASTING: 1010561.20338 **BORING CONTRACTOR: GROUND ELEVATION:** 897.9518 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE **DATE STARTED:** 1/30/08 TIME LEVEL Macrocore DATE **TYPE** TYPE **DATE FINISHED:** 1/30/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION FILL. Gray silty gravel and fine to coarse sand, dry. ML/GM. Brown SILT and GRAVEL, dry. 80 ND \boxtimes ⊠ × 4-8 60 NΠ × ⊠ \boxtimes . . Ø \boxtimes \boxtimes SM. Brown SILTY medium to coarse SAND, trace gravel, moist. -10 8-12 100 ND ML. Brown SILT, some very fine sand, wet in zones. 12-16 ND 90 -15 SM. Brown, fine to medium SAND and SILT, trace gravel, dry. GM. Brown, SILTY fine GRAVEL, some fine to coarse sand and coarse gravel, dry. \boxtimes . . Ø ⊠ ⊠ 16-20 . . Ø Ø ⊠ \boxtimes -20 M SM. Brown, SILTY medium to coarse SAND some fine gravel and fine sand, wet. 20-24 50 ND SW. Brown, medium to coarse SAND and GRAVEL, cobble in shoe, wet. -25 COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. No soil samples were submitted for analysis because the deeper silt layer was not encountered.

Collected water samples GS-05-21-25' and GS-05-46-50' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-05

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

CLIENT:			NYSI	DEC		JOB NO.: 11175412.00000	
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY	PID (PPM)	MATER DESCRIPT	IAL	REMARKS
		24-28	5	ND			
-30 —		28-32	50	ND	GW. Brown fine to coarse GRAVEL, some co		
-35 —		32-36	50	ND	SP. Brown medium SAND, wet. GW. Brown fine to coarse rounded GRAVEL,	some coarse sand, wet.	
-		36-40	50	ND			
-40		40-44	20	ND			
-45 —		44-48	30	ND			
-50 — -		48-50	0	ND	End of boring at 50'.		
-55 —							

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

No soil samples were submitted for analysis because the deeper silt layer was not encountered.

Collected water samples GS-05-21-25' and GS-05-46-50' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-06 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 784667.64329 EASTING: 1010645.65455 **BORING CONTRACTOR: GROUND ELEVATION: GROUNDWATER:** CAS. SAMPLER CORE TUBE 898.0541 **DATE STARTED:** 1/31/08 Macrocore DATE TIME LEVEL **TYPE TYPE DATE FINISHED:** 1/31/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Brown SILT, trace coarse gravel, medium to coarse sand, dry. 100 ND ML/GM. Brown SILT and GRAVEL, trace to some coarse sand, moist to dry. ⊠ ⊠ . . ⊠ ⊠ \boxtimes 4-8 50 NΠ ⊠ . . ⊠ Ø × \boxtimes ⊠ ⊠ \boxtimes \boxtimes \boxtimes ⊠ -10 ⊠ \boxtimes 8-12 ND \boxtimes Ø SM/GM. Brown SILTY fine to coarse SAND and GRAVEL, trace clay, slightly moist. 12-16 ND 60 -15 16-20 75 ND SW. Brown fine to medium sand, trace gravel, moist. \boxtimes \boxtimes GM. Brown, rounded SILTY GRAVEL, some coarse sand, moist. -20 SW. Brown fine to medium SAND, wet. 20-24 50 ND SP. Brown fine SAND, wet. -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-06-28-29' and GS-06-31-32' (plus MS/MSD) and submitted for analysis of TCL VOCs.

Collected water samples GS-06-20-24', GS-06-24-28' (plus MS/MSD) and GS-06-29-33' and submitted for analysis of TCL VOCs

TEST BORING LOG URS Corporation BORING NO.: GS-06 PROJECT: Hillcrest Area Site SHEET: 2 OF 2 **NYSDEC** JOB NO.: 11175412.00000 **CLIENT:** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA **DEPTH** FEET DESCRIPTION (%) (PPM) 24-28 100 ND SW. Brown, medium to coarse SAND, wet. ML. Brown SILT, trace to some clay, wet. -30 28-32 100 ND End of boring at 32'. -35

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

-50

-55

Collected soil samples GS-06-28-29' and GS-06-31-32' (plus MS/MSD) and submitted for analysis of TCL VOCs.

Collected water samples GS-06-20-24', GS-06-24-28' (plus MS/MSD) and GS-06-29-33' and submitted for analysis of TCL VOCs

TEST BORING LOG Corporation BORING NO.: GS-07 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 784990.43402 EASTING: 1010771.32641 **BORING CONTRACTOR: GROUND ELEVATION:** 897.2527 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE DATE STARTED: 1/31/08 LEVEL TYPE Macrocore DATE TIME **TYPE DATE FINISHED:** 1/31/08 DIA. LENGTH 4' DRILLER: E. Laurienzo R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION FILL. Gray brown CLAYEY SILT, some fine to coarse gravel, dry. 100 ND 4-8 ٩n ND ML. Brown SILT, some fine to coarse gravel, moist. GM. Brown very SILTY fine to coarse GRAVEL, some medium to coarse sand, moist. ⊠ -10 ⊠ ⊠ ⊠ 8-12 ND \boxtimes Ø \boxtimes ☒ ⊠ \boxtimes \boxtimes \boxtimes \boxtimes Ø ☒ 12-16 ND 50 × ⊠ ⊠ -15 . . Ø ⊠ SW. Brown fine to medium SAND and GRAVEL, slightly moist. ND 16-20 -20 GW. Brown, coarse SAND to coarse GRAVEL, some medium sand and silt, wet. 20-24 ND COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil sample GS-07-29-30' and submitted for analysis of TCL VOCs.

Collected water samples GS-07-20-24' and GS-07-25-29' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-07

PROJECT: Hillcrest Area Site SHEET: 2 OF 2

> **NYSDEC** JOB NO.: 11175412.00000

CLIENT: SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA **DEPTH** FEET DESCRIPTION (%) (PPM) ND 24-28 50 SP. Brown, coarse SAND to fine rounded GRAVEL, trace silt, wet. ML. Brown SILT, some very fine sand, few coarse sand grains, wet. -30 28-32 100 ND SM. Brown SILTY fine SAND, wet. ML. Brown SILT, dilatant, wet. 32-36 100 ND -35 ML. Brown CLAYEY SILT, some coarse sand to fine gravel, dry, very dense. End of boring at 36'. -50 -55 -

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil sample GS-07-29-30' and submitted for analysis of TCL VOCs.

Collected water samples GS-07-20-24' and GS-07-25-29' and submitted for analysis of TCL VOCs.

					TTDC	•					TEST I	BORING	LOG
					URS	Co	rpora	tion			BORING NO.: GS-08		
PROJE	CT	PR	OJE	CT LOCA	ΓΙΟΝ: Hillcr	est Area	Site				SHEET: 1 OF 2		
CLIENT	Γ:				NYSI	DEC					JOB NO.: 11175412.00	000	
BORIN	G C	ON	TRA	ACTOR:	Natui	re's Way	Environn	nental, Inc.			NORTHING: 785317.3779	7 EASTING:	1010148.05904
GROU	۱D۷	VAT	ER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	892.7148	
DATE		TIM	E	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	2/6/08	
						DIA.		2"			DATE FINISHED:	3/6/08	
						LENGTH	ı	4'			DRILLER:	E. Laurienz	:0
											GEOLOGIST:	R. Murphy	
						* P	OCKET PE	ENETROMETE	R READIN	G	REVIEWED BY:	Tim Br	in
				CAMPLE	DECOVEDY	DID.							
DEPTH FEET	Sī	ΓRA	TA	SAMPLE DEPTH	RECOVERY (%)	PID				ERIAL RIPTION			REMARKS
					(70)	(PPM)			DESCR	AIF HON			
			•									•	
0							ML. Brown	CLAYEY SILT, tra	ce gravel, m	oist.			
+													
-				0-4	80	ND							
				0 4	00	NB	ML. Brown	SILT, some fine sa	and, trace co	arse sand,	very moist.		
1	 Ø	⊠	⊠				GM. Brown	SILT and fine to	coarse GRA	VEL, moist.			
-5 —	 ⊠	⊠	⊠										
-	×	⊠	 ⊠	4-8	50	ND							
-	×	×	⊠ 										
	×	⊠	⊠										
		 ⊠	 Ø				GM. Brown	to gray brown SIL	TY GRAVEL	., trace to s	ome fine to coarse sand, dry.		
1	⊠	⊠	⊠										
-10 —	×	×	 ⊠	8-12	60	ND							
-	×	×	⊠										
-	⊠ 	⊠	⊠ ···										
	⊠	⊠	⊠ 										
		<u>⊠</u>	<u>⊠</u>										
		⊠ 	⊠ 	12-16	60	ND							
-15 —	⊠ ⊠												
-	-:-:	-:-	7.7				GM. Grav b	rown SILTY fine S	AND and fir	e to coarse	GRAVEL, dry to moist.		
-	⊠ : N	⊠ 											
	⊠ ⊠		⊠ ⊠	40.00	00	ND							
	⊠ 	⊠ ⊠	⊠ ⊠	16-20	90	ND							
1		 ⊠											
-20 —	 Ø	 ⊠	 Ø				some coars	e sand 20-24'					
+	 ⊠	⊠	 ⊠										
4	 ⊠	 ⊠		20-24	90	ND							
	 ⊠	⊠	⊠	20-2 4	30	שאו							
	×	⊠	Ø			/	SP. Brown t	fine SAND, trace f	ine gravel.				
1	 Ø	⊠	⊠				GM. Gray b	prown SILTY fine S	SAND and fi	ne to coars	e GRAVEL, trace cobble, some coar	se sand, dry.	
-25 —				l		l						I	

COMMENTS: Boring first advanced with a truck-mounted Simco Earthprobe 200 direct-push rig to 28'. Difficulty recovering samples.

Returned 3/6/08 with Mobile B-57 truck mounted drill rig, collected soil sample GS-08-30-31' and submitted for analysis of TCL VOCs. Collected water sample GS-08-28-30' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-08

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

CLIENT	<u> </u>		NYSI	DEC		JOB NO.: 11175412.00000	
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY	PID (PPM)	MATER DESCRIPT	IAL	REMARKS
		24-28	90	ND			
-		28-30	25	ND	GW. Brown fine to coarse rounded GRAVEL,	some coarse sand, trace silt.	
-30 —		30-32	100	ND	ML. Brown SILT, dilatant, wet.		
					End of boring at 32'.		
-35 —							
-40 —							
-40							
_							
-45 —							
-							
-50 —							
_							
-55 —							

COMMENTS: Boring first advanced with a truck-mounted Simco Earthprobe 200 direct-push rig to 28'. Difficulty recovering samples. Returned 3/6/08 with Mobile B-57 truck mounted drill rig, collected soil sample GS-08-30-31' and submitted for analysis

of TCL VOCs. Collected water sample GS-08-28-30' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-09 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 783952.23746 EASTING: 1010290.05002 **BORING CONTRACTOR: GROUND ELEVATION:** 899.8064 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE 2/1/08 **DATE STARTED:** LEVEL Macrocore DATE TIME **TYPE TYPE DATE FINISHED:** 2/1/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION GM. Brown SILTY GRAVEL, some medium to coarse sand, moist to dry. ⊠ \boxtimes \boxtimes \boxtimes ⊠ \boxtimes \boxtimes 40 ND Ø \boxtimes ☒ \boxtimes \boxtimes ⊠ × 4-8 60 NΠ . . Ø ⊠ ⊠ ⊠ . . ⊠ . . Ø \boxtimes ⊠ \boxtimes \boxtimes × \boxtimes \boxtimes -10 8-12 ND ⊠ ⊠ \boxtimes \boxtimes × Ø \boxtimes \boxtimes ⊠ ☒ 12-16 100 ND . . ⊠ -15 ⊠ ⊠ ⊠ ⊠ × \boxtimes × Ø \boxtimes 16-20 60 ND SM. Brown SILTY fine to medium SAND, trace fine gravel and coarse sand, dry. -20 SW. Brown medium to coarse SAND, trace gravel, wet. 20-24 60 ND SW. Brown fine to coarse SAND, trace fine gravel, wet. -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Refusal on first attempt at 14', offset 20' north. Collected soil samples GS-09-32-33' and GS-09-35-36' and submitted for analysis of TCL VOCs.

 $Collected\ water\ samples\ GS-09-20-24',\ GS-09-28-32'\ and\ GS-09-33-37'\ and\ submitted\ for\ analysis\ of\ TCL\ VOCs.$

TEST BORING LOG

BORING NO.: GS-09

PROJECT: Hillcrest Area Site SHEET: 2 OF 2

CLIENT: NYSDEC JOB NO.: 11175412.00000

CLIENT	:		NYSI	DEC	JOB NO.: 11175412.00000	
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY (%)	PID (PPM)	MATERIAL DESCRIPTION	REMARKS
-		24-28	80	ND	SP. Brown fine SAND, wet. SM. Brown fine SAND, some silt, wet.	
-30 —		28-32	100	ND		
-35 —		32-36	100	ND	ML. Brown dilatant SILT, wet. becomes gray at 35'.	
					End of boring at 36'.	
-40 — _						
45						
-45 — - -						
-50 —						
-55 —						

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Refusal on first attempt at 14', offset 20' north. Collected soil samples GS-09-32-33' and GS-09-35-36' and submitted for analysis of TCL VOCs.

 $Collected\ water\ samples\ GS-09-20-24',\ GS-09-28-32'\ and\ GS-09-33-37'\ and\ submitted\ for\ analysis\ of\ TCL\ VOCs.$

TEST BORING LOG URS Corporation BORING NO.: GS-10 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 783843.65261 EASTING: 1010020.4992 **BORING CONTRACTOR: GROUND ELEVATION:** 901.5343 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE **DATE STARTED:** 2/4/08 LEVEL Macrocore DATE TIME **TYPE TYPE DATE FINISHED:** 2/4/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Brown CLAYEY SILT, some fine to coarse gravel, moist. 60 ND GM. Brown SILTY GRAVEL, some fine sand, trace clay, moist. × × ⊠ × . . ⊠ \boxtimes \boxtimes 4-8 30 NΠ × ⊠ × × × \boxtimes \boxtimes \boxtimes × ☒ \boxtimes -10 \boxtimes 8-12 ND . . Ø . . ⊠ . . ⊠ ⊠ \boxtimes × ⊠ ⊠ × \boxtimes ⊠ ⊠ 12-16 75 ND . . ⊠ ⊠ -15 . . ⊠ ⊠ ⊠ SP. Brown fine SAND, trace fine gravel, moist. 16-20 75 ND SP. Brown medium SAND, some fine to coarse gravel, moist. -20 SW. Brown fine to medium SAND some fine to coarse gravel, moist. 20-24 50 ND SP. Brown medium SAND, some fine sand, trace fine gravel, wet. -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-10-30-31' and GS-10-35-36' and submitted for analysis of TCL VOCs.

Collected water samples GS-10-22-26', GS-10-26-30' and GS-10-32-36' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-10

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

JOB NO.: 11175412.00000 NYSDEC **CLIENT:**

DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY (%)	PID (PPM)	MATERIAL DESCRIPTION	REMARKS
		24-28	50	ND		
-30 —		28-32	100	ND	SW. Brown fine to medium SAND, trace coarse sand, wet. ML. Brown dilatant SILT, trace clay, wet.	
- - -35 —		32-36	100	ND		
					End of boring at 36'.	
-40 — - - -						
- 45 — – – – –						
-50 —						
- - - -55 —						
			I	<u> </u>		

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-10-30-31' and GS-10-35-36' and submitted for analysis of TCL VOCs.

Collected water samples GS-10-22-26', GS-10-26-30' and GS-10-32-36' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-11 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 783753.66372 EASTING: 1010216.63512 **BORING CONTRACTOR: GROUND ELEVATION:** 901.6713 **GROUNDWATER:** CAS. SAMPLER CORE TUBE DATE STARTED: 1/31/08 LEVEL Macrocore DATE TIME **TYPE** TYPE **DATE FINISHED:** 2/1/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Brown CLAYEY SILT, some fine gravel, trace sand, moist. 80 ND ML. Brown CLAYEY SILT and GRAVEL, dry. 60 NΠ 4-8 SM. Brown SILTY fine to coarse SAND, some gravel. -10 8-12 SM. Brown SILTY fine SAND, very moist. GM. Brown SILTY angular GRAVEL. SM. Brown to gray, SILTY fine to coarse SAND and GRAVEL. 12-16 ND 90 -15 16-20 75 Wet at 19.8'. -20 SM. Brown SILTY fine to medium SAND, trace fine gravel, wet. 20-24 25 ND SW. Brown fine to medium SAND, trace silt, wet. -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-11-31-32' and GS-11-35-36' and submitted for analysis of TCL VOCs.

Collected water samples GS-11-20-24', GS-11-27-31' and GS-11-32-36' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-11

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

CLIENT:			NYSI	DEC		JOB NO.: 11175412.00000	
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY (%)	PID (PPM)	MATER DESCRIPT	IAL	REMARKS
		24-28	90	ND	SW. Brown medium to coarse SAND, wet.		-
-30 —		28-32	100	ND	SW. Brown fine to coarse SAND, trace fine graduate SW. Brown dilatant SILT, wet.	avel, wet.	_
-35 —		32-36	100	ND	becomes gray at 33.5'.		
-					End of boring at 36'.		
- 40 —							
-45 — -							
- -50 —							
- - - -55							

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-11-31-32' and GS-11-35-36' and submitted for analysis of TCL VOCs.

Collected water samples GS-11-20-24', GS-11-27-31' and GS-11-32-36' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-12 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** Nature's Way Environmental, Inc. NORTHING: 784103.0491 EASTING: 1010105.31418 **BORING CONTRACTOR: GROUND ELEVATION:** 903.1467 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE DATE STARTED: 2/8/08 TIME LEVEL Macrocore DATE **TYPE TYPE DATE FINISHED:** 2/13/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Dark brown CLAYEY SILT, moist, GM. Brown SILTY fine to coarse gravel, some fine sand, moist Ø \boxtimes \boxtimes \boxtimes 40 ND ☒ \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes × \boxtimes ⊠ 4-8 60 NΠ ⊠ ⊠ ⊠ ⊠ GM. Gray brown SILTY coarse gravel, some fine gravel, dry. Ø \boxtimes \boxtimes \boxtimes \boxtimes ⊠ -10 ⊠ \boxtimes 8-12 ND \boxtimes \boxtimes \boxtimes Ø ⊠ \boxtimes GM. Gray brown SILTY fine to coarse GRAVEL, some fine sand and coarse sand, dry. \boxtimes Ø \boxtimes Ø Ø \boxtimes 12-16 75 ND \boxtimes \boxtimes \boxtimes -15 \boxtimes ☒ \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes ⊠ × × 16-20 100 . . Ø ⊠ \boxtimes \boxtimes \boxtimes -20 ⊠ ⊠ \boxtimes . . Ø \boxtimes \boxtimes ⊠ ⊠ \boxtimes 20-24 100 ND \boxtimes \boxtimes \boxtimes \boxtimes SW. Brown fine to coarse SAND, wet. -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-12-32.5-33.5' (plus MS/MSD) and GS-12-36.5-37.5' and submitted for analysis of TCL VOCs.

 $Collected\ water\ samples\ GS-12-24-28',\ GS-12-28.5-32.5'\ and\ GS-12-34-38'\ and\ submitted\ for\ analysis\ of\ TCL\ VOCs.$

TEST BORING LOG

BORING NO.: GS-12

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

CLIENT:	<u> </u>		NYSI	DEC		JOB NO.: 11175412.00000	
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY (%)	PID (PPM)	MATER DESCRIPT	IAL	REMARKS
-		24-28	5	ND			
-30 —		28-32	50	ND	SW. Brown medium to coarse SAND, some fii		
-35 —		32-36	100	ND	ML. Brown dilatant SILT, trace very fine sand,	wet.	
-		36-40	100	ND	ML. Gray brown SILT, trace clay, wet.		
- 40					End of boring at 40'.		
-45 — - -							
- - -50 -							
- - - -55							

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-12-32.5-33.5' (plus MS/MSD) and GS-12-36.5-37.5' and submitted for analysis of TCL VOCs.

Collected water samples GS-12-24-28', GS-12-28.5-32.5' and GS-12-34-38' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-13 PROJECT/PROJECT LOCATION: OF 1 **Hillcrest Area Site** SHEET: 1 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** Nature's Way Environmental, Inc. NORTHING: 782318.35365 EASTING: 1008357.45644 **BORING CONTRACTOR: GROUND ELEVATION:** 894.2023 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE **DATE STARTED:** 2/20/08 Macrocore DATE TIME LEVEL TYPE TYPE **DATE FINISHED:** 2/21/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Dark brown CLAYEY SILT, trace coarse sand, moist. ML. Brown CLAYEY SILT, trace coarse sand, moist. 50 ND GM. Brown SILTY fine to medium SAND and fine to coarse GRAVEL, moist. \boxtimes ⊠ \boxtimes . . ⊠ \boxtimes \boxtimes 4-8 50 NΠ . . ⊠ ⊠ Becomes dry and gray brown at 7.5'. . . Ø \boxtimes \boxtimes . . Ø ⊠ \boxtimes \boxtimes \boxtimes ⊠ -10 ⊠ \boxtimes 8-12 ND \boxtimes Ø \boxtimes \boxtimes ⊠ SM. Gray brown SILTY fine to coarse SAND, soem fine to coarse gravel, slightly moist. Mostly fine sand from 12.5-13.5' 12-16 ND 100 -15 GM. Gray brown SILTY GRAVEL, some fine to coarse sand, slightly moist to moist. \boxtimes \boxtimes \boxtimes . . ⊠ \boxtimes \boxtimes × Ø \boxtimes 16-20 75 ND × × × \boxtimes \boxtimes -20 SM. SILTY fine to coarse SAND, some fine gravel, dry. 20-24 50 ND GW. Gray brown fine to coarse rounded GRAVEL, dry. End of boring at 24'. Refusal with Macrocore sampler, was able to advance water sampler to 32'. -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Refusal encountered before silt layer.

No soil samples collected for analysis. Advanced water sampler into water table and collected water sample

GS-13-28-32' and submitted for analysis of TCL VOCs.

		1	TTDC	•					TEST I	BORING	LOG
			URS	Cor	pora	tion			BORING NO.: GS-14		
PROJE	CT/PROJE	CT LOCAT	ΓΙΟΝ: Hillcr	est Area	Site				SHEET: 1 OF 2		
CLIENT	Γ:		NYSE	DEC					JOB NO.: 11175412.00	000	
BORIN	G CONTRA	CTOR:	Natur	re's Way	Environn	nental, Inc.			NORTHING: 783946.5481	4 EASTING:	1009896.9241
GROUN	NDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	902.8620	
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	2/5/08	
				DIA.		2"			DATE FINISHED:	2/5/08	
				LENGTH		4'			DRILLER:	E. Laurienz	0.0
									GEOLOGIST:	R. Murphy	
				* P	OCKET PE	NETROMETE	R READIN	G	REVIEWED BY:	Tim Bru	in
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY (%)	PID (PPM)				ERIAL			REMARKS
	•										
0-		0-4	60	ND	GM. Brown	SILT and fine to o	oarse GRAV	/EL, moist.			
-5 — -		4-8	30	ND	GM. Brown	SILTY fine to coa	rse GRAVEL	., moist to d	iry.		
-10 —		8-12	40	ND							
-15 —		12-16	75	ND	SP. Brown f	SILTY fine GRAV fine SAND, moist. SILT and fine GR		fine sand,	moist.		
-20 —		16-20	75	ND	GM. Brown	SILTY GRAVEL,	 dry to moist.				
-		20-24	50	ND							
-25	<i>Q.</i> ; ; Q				GW. Brown	Coarse SAND to	Coarse well	rounded GI	RAVEL, trace silt, wet.		

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Took three attempts to advance boring to 32 feet. Collected soil samples GS-14-28-29' and GS-14-30-31' and submitted for analysis of TCL VOCs.

 $Collected\ water\ samples\ GS-14-24-28'\ (plus\ MS/MSD)\ and\ GS-14-28-32'\ and\ submitted\ for\ analysis\ of\ TCL\ VOCs.$

TEST BORING LOG

BORING NO.: GS-14

PROJECT: Hillcrest Area Site SHEET: 2 OF 2

CLIENT: NYSDEC JOB NO.: 11175412.00000

TRATA	24-28 28-32	(%) 50	PID (PPM)	MATERIAL DESCRIPTION ML. Brown dilatant SILT, some very fine sand, wet. End of boring at 32'.	REMARKS
	28-32	100	ND		
				End of boring at 32'.	

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Took three attempts to advance boring to 32 feet. Collected soil samples GS-14-28-29' and GS-14-30-31' and submitted for analysis of TCL VOCs.

 $Collected\ water\ samples\ GS-14-24-28'\ (plus\ MS/MSD)\ and\ GS-14-28-32'\ and\ submitted\ for\ analysis\ of\ TCL\ VOCs.$

TEST BORING LOG Corporation **BORING NO.: GS-15** PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** Nature's Way Environmental, Inc. NORTHING: 782372.62647 EASTING: 1008994.92106 **BORING CONTRACTOR: GROUND ELEVATION:** 892.2312 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE LEVEL **DATE STARTED:** 2/20/08 Macrocore DATE TIME **TYPE TYPE** DATE FINISHED: 2/20/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Brown CLAYEY SILT, some fine to coarse gravel and fine sand, moist. 10 ND SM. Brown SILTY fine to coarse SAND, some gravel, very moist 4-6', then dry and gray brown at 6-8'. 50 NΠ 4-8 GM. Gray brown SILTY fine to coarse GRAVEL, some fine to coarse sand, dry with occasional moist \boxtimes Image: Control of the -10 8-12 ND . . Ø ⊠ SW. Gray brown fine to coarse SAND, some fine gravel, moist. SM. Gray brown SILTY fine to coarse SAND, some fine to coarse gravel, dry. 12-16 ND 90 -15 GW. Brown fine to coarse GRAVEL, some fine to coarse sand and silt, wet. 16-20 10 ND -20 SW. Brown fine to coarse SAND, some fine rounded gravel, trace to some silt, wet. 20-24 50 ND -25

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Collected soil sample GS-15-30-31' and submitted for analysis of TCL VOCs. Collected water samples GS-15-16-20'(plus FD-022008), GS-15-26-30' (plus MS/MSD), and GS-15-32-36' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-15

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

CLIENT:			NYSI	DEC	JOB NO.: 11175412.00000	
DEDT!!	RATA	SAMPLE DEPTH	RECOVERY	PID (PPM)	MATERIAL DESCRIPTION	REMARKS
-		24-28	0	ND		
0 -		28-32	50	ND	SM. Brown SILTY fine SAND and fine rounded gravel, wet. ML. Brown SILT and very fine SAND, dilatant, wet.	
5 —		32-36	100	ND	ML. Brown SILT, trace to some very fine sand, wet.	
-					End of boring at 36'.	
o — - -						
5 — -						
- - - - 0						
-						
5 —						

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Collected soil sample GS-15-30-31' and submitted for analysis of TCL VOCs. Collected water samples GS-15-16-20'(plus FD-022008), GS-15-26-30' (plus MS/MSD), and GS-15-32-36' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-16 PROJECT/PROJECT LOCATION: OF 1 **Hillcrest Area Site** SHEET: 1 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** NORTHING: 785219.70853 EASTING: 1010505.41856 Nature's Way Environmental, Inc. **BORING CONTRACTOR: GROUND ELEVATION:** 895.623 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE 2/5/08 **DATE STARTED:** TIME Macrocore DATE LEVEL TYPE TYPE DATE FINISHED: 2/5/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Brown CLAYEY SILT, moist. GM. Brown to gray brown CLAYEY SILT and fine to coarse GRAVEL, moist. \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes 60 ND \boxtimes GM. Brown SILTY GRAVEL, some fine sand, moist. \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes ⊠ 4-8 50 NΠ ⋈ Ø \boxtimes M GM. Brown fine rounded GRAVEL to coarse SAND with CLAYEY SILT. × \boxtimes GM. Gray brown CLAYEY SILT and fine to coarse GRAVEL, dry. Ø \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes ⊠ -10 ⊠ \boxtimes 8-12 ND \boxtimes \boxtimes \boxtimes Ø ⊠ \boxtimes GM. Gray brown SILTY GRAVEL, some fine to coarse sand, dry. ⊠ \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes Ø ☒ \boxtimes 12-16 ND 100 ⊠ × -15 . . Ø ⊠ SP. Brown fine SAND, trace coarse sand, moist 16-20 75 ND SM. Brown SILTY fine to coarse SAND, wet. -20 ML. Brown CLAYEY SILT, wet in zones. 20-24 100 ND End of boring at 24'. -25

COMMENTS: Boring advanced with a tuck-mounted Simco Earthprobe 200 direct-push rig. Collected soil sample GS-16-20-21' and submitted for analysis of TCL VOCs. Collected water sample GS-16-16-20' and submitted for analysis of TCL VOCs.

Attempted to collect water sample from silt layer at 21-25', however, no water was recovered.

TEST BORING LOG Corporation BORING NO.: GS-17 PROJECT/PROJECT LOCATION: OF 1 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 785518.22868 EASTING: 1009144.0024 **BORING CONTRACTOR: GROUND ELEVATION:** 866.3025 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE DATE STARTED: 2/21/08 TIME LEVEL Macrocore DATE **TYPE TYPE DATE FINISHED:** 2/21/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION SM. Gray brown SILTY fine to medium SAND, some fine to coarse gravel, moist. 75 ND GW. Brown fine to coarse GRAVEL, some fine to coarse sand, little silt. 50 NΠ 4-8 Wet at 8'. -10 8-12 GM. Brown SILT and fine GRAVEL, wet. ⊠ ML. Brown SILT, some fine rounded GRAVEL, some very fine sand, wet. 12-16 ND 90 -15 ML. Brown SILT, some very fine sand, dilatant, wet. ML. Brown SILT, trace very fine sand, clayey stringers at 18', dilatant, wet. 16-20 100 ND -20 ML. Brown SILT, dilatant, wet. Silty clay layer from 22.0 to 22.3'. 20-24 100 ND End of boring at 24'. -25 COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Collected soil sample GS-17-15-16' and submitted for analysis of TCL VOCs.

Collected water samples GS-17-8-12', GS-17-12-16', GS-17-16-20' and submitted for analysis of TCL VOCs

TEST BORING LOG Corporation BORING NO.: GS-18 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 784337.994 **EASTING: 1008410.60385 BORING CONTRACTOR: GROUND ELEVATION:** 854.9579 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE **DATE STARTED:** 2/18/08 DATE TIME **LEVEL** TYPE TYPE Macrocore DATE FINISHED: 2/18/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** * POCKET PENETROMETER READING Tim Bruen SAMPLE **RECOVERY DEPTH MATERIAL REMARKS STRATA** DEPTH FEET (%) (PPM) DESCRIPTION FILL. Asphalt and gravel subbase. GM. Light brown SILT and fine to coarse GRAVEL, some fine sand, dry. \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes 60 ND \boxtimes \boxtimes ⊠ \boxtimes GM. Brown SILTY coarse SAND to fine GRAVEL, some fine sand, very moist. ⊠ \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes NΠ 4-8 50 ⊠ ML. Gray CLAYEY SILT, with iron staining, moist. ML. Gray brown CLAYEY SILT, with rusty mottling, moist. -10 8-12 ML. Gray brown CLAYEY SILT, trace fine sand, trace fine gravel, moist. ND 12-16 100 -15 SW. Grav brown fine to medium SAND, very moist, GP. Brown coarse SAND and fine GRAVEL, some fine sand, wet, 16-20 50 ND : ⊠ . M -20 SW. Brown fine to medium SAND, wet. GP. Brown coarse SAND to fine rounded GRAVEL, some fine to medium sand, wet. . ∷ ⊠ 20-24 90 ND ML. Brown SILT, dilatant, wet. Becomes gray at 23.5'. Occassional clay stringers. -25 COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-18-22-23' and GS-18-27-28' (plus FD-021808) and submitted for analysis of TCL VOCs.

Collected water samples GS-18-18-22' and GS-18-24-28' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-18 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 **CLIENT: NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) 24-28 100 ND End of boring at 28'. -30 -35 -50 -55 -

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-18-22-23' and GS-18-27-28' (plus FD-021808) and submitted for analysis of TCL VOCs.

Collected water samples GS-18-18-22' and GS-18-24-28' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-19 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 785205.38649 EASTING: 1009187.17528 **BORING CONTRACTOR:** 890.3632 **GROUND ELEVATION: GROUNDWATER:** CAS. **SAMPLER** CORE TUBE 2/14/08 Macrocore **DATE STARTED:** DATE TIME **LEVEL TYPE TYPE DATE FINISHED:** 2/15/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Dark brown peaty SILT, moist. \boxtimes \boxtimes \boxtimes GM. Brown Very SILTY fine SAND to fine GRAVEL, moist. \boxtimes \boxtimes \boxtimes 80 ND \boxtimes \boxtimes SM. Brown SILTY fine SAND and fine gravel, moist. 60 NΠ 4-8 SM. Brown SILTY fine and coarse SAND, some fine gravel, very moist. -10 8-12 ND GM. Gray brown SILTY fine to coarse SAND and GRAVEL, dry. \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes Ø ☒ \boxtimes 12-16 ND 90 × × × -15 ⊠ \boxtimes \boxtimes \boxtimes GM. Gray brown SILTY medium SAND to fine GRAVEL, some coarse gravel, trace fine sand, dry. \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes 16-20 90 ND ⊠ × \boxtimes . . ⊠ \boxtimes \boxtimes -20 ⊠ ⊠ \boxtimes Image: Control of the × \boxtimes . . Ø \boxtimes \boxtimes 20-24 100 ND SP. Brown fine SAND, very moist. SM. Brown SILTY fine to very fine SAND. ML. Brown SILT, trace to some very fine sand, wet. -25 COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Collected soil sample GS-19-24-25' and submitted for analysis of TCL VOCs. Collected water sample GS-19-28-32' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-19 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 **CLIENT: NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) ML. Brown SILT, trace very fine sand, dilatant, wet. 24-28 100 ND End of boring at 28'. -30 -35 -50 -55 -COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Collected soil sample GS-19-24-25' and submitted for analysis of TCL VOCs. Collected water sample GS-19-28-32' and submitted for analysis of TCL VOCs.

TEST BORING LOG Corporation BORING NO.: GS-20 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** NORTHING: 782713.99948 EASTING: 1008856.94674 Nature's Way Environmental, Inc. **BORING CONTRACTOR: GROUND ELEVATION:** 894.1004 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE 2/18/08 **DATE STARTED:** Macrocore DATE TIME LEVEL **TYPE TYPE** DATE FINISHED: 3/5/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Dark brown CLAYEY SILT, moist. ML. Brown CLAYEY SILT, trace organics (roots), moist. 50 ND GM. Brown SILTY fine SAND and fine to coarse GRAVEL, moist. GM. Brown SILTY fine to coarse GRAVEL, some fine to medium sand, trace cobble, moist. ⊠ \boxtimes \boxtimes Image: Control of the \boxtimes Image: Control of the \boxtimes \boxtimes 4-8 50 NΠ . . ⊠ ⊠ . . Ø \boxtimes \boxtimes ⊠ ⊠ \boxtimes \boxtimes \boxtimes ⊠ -10 ⊠ \boxtimes 8-12 ND \boxtimes Ø \boxtimes \boxtimes SM. Brown to gray brown SILTY fine to coarse SAND, some fine to coarse rounded gravel, dry. 12-16 ND 100 -15 GM. Gray brown SILTY fine to coarse GRAVEL, some fine to coarse sand, dry. \boxtimes \boxtimes \boxtimes . . Ø ⊠ \boxtimes × \boxtimes 16-20 100 ND × × × \boxtimes -20 GW. Brown fine to coarse GRAVEL, some fine to medium sand, dry to moist. 20-22 ND 100 22-24 50 ND GP. Gray brown fine GRAVEL some fine to medium sand, wet. -25

COMMENTS: Boring first advanced until refusal at 20' with a truck-mounted Simco Earthprobe 200 direct-push rig.

Returned 3/5/08 with Mobile B-57 truck mounted rig, collected soil sample GS-20-51.5-52' and submitted for analysis of TCL VOCs. Collected water samples GS-20-24-29' and GS-20-45-50' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-20

PROJECT: Hillcrest Area Site SHEET: 2 OF 2

CLIENT: NYSDEC JOB NO.: 11175412.00000

CLIENT			NYSL		JOB NO.: 11175412.00000	
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY (%)	PID (PPM)	MATERIAL DESCRIPTION	REMARKS
		24-26	5	ND		
-		26-28	2	ND	SW. Brown fine to medium SAND, wet.	
		28-30	25	ND	GW. Brown fine to coarse GRAVEL and coarse sand, wet.	
30 —		30-32	10	ND	GW. Brown fine to coarse rounded GRAVEL, wet.	
		32-34	30	ND	GP. Brown fine rounded gravel, some coarse sand, wet.	
-35 —		34-36	75	ND	SP. Brown fine SAND, trace fine gravel, trace coarse sand, wet.	
_		36-38	75	ND	SP. Brown fine SAND, wet.	
		38-40	90	ND		
-40		40-42	100	ND		
		42-44	100	ND		
-45 —		44-46	100	ND	SP. Brown fine SAND, trace silt, wet.	
		46-48	100	ND	SM. Brown SILTY fine SAND, wet.	
-50 —		48-50	100	ND		
-50 —		50-52	100	ND	ML. Brown SILT, trace very fine sand, dilatant, wet.	
					End of boring at 52'.	
-55 —						

COMMENTS: Boring first advanced until refusal at 20' with a truck-mounted Simco Earthprobe 200 direct-push rig.

Returned 3/5/08 with Mobile B-57 truck mounted rig, collected soil sample GS-20-51.5-52' and submitted for analysis of TCL VOCs. Collected water samples GS-20-24-29' and GS-20-45-50' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-21 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 782734.26157 EASTING: 1008407.59015 **BORING CONTRACTOR: GROUNDWATER: GROUND ELEVATION:** 898.0783 CAS. **SAMPLER** CORE TUBE 2/19/08 **DATE STARTED:** TIME Macrocore DATE LEVEL TYPE **TYPE DATE FINISHED:** 3/4/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Dark brown CLAYEY SILT, moist. ML. Brown CLAYEY SILT, some fine to coarse gravel, some fine sand, moist. 70 ND GM. Brown SILTY fine to coarse GRAVEL, some fine to coarse sand, moist. ⊠ \boxtimes ⊠ ⊠ 4-8 50 NΠ ⊠ × × ⊠ Ø \boxtimes \boxtimes \boxtimes \boxtimes ☒ \boxtimes -10 8-12 ND \boxtimes \boxtimes ⊠ \boxtimes \boxtimes \boxtimes \boxtimes Becomes drier, gray brown. ⊠ . . Ø \boxtimes \boxtimes . . ⊠ \boxtimes 12-16 75 ND ⊠ ⊠ \boxtimes -15 \boxtimes \boxtimes ⊠ \boxtimes \boxtimes \boxtimes \boxtimes ⊠ \boxtimes \boxtimes 16-20 100 ND \boxtimes \boxtimes SP. Gray brown fine SAND, moist. -20 GM. Gray brown fine to coarse GRAVEL and fine to coarse SAND, some silt, dry to moist. \boxtimes \boxtimes \boxtimes ☒ \boxtimes \boxtimes \boxtimes \boxtimes 20-24 100 ND Image: Control of the ⊠ ⊠ GW. Gray brown fine to coarse rounded GRAVEL, some fine sand, trace cobble, dry. -25

COMMENTS: Boring first advanced until refusal at 26' with a truck-mounted Simco Earthprobe 200 direct-push rig.

Returned 3/5/08 with Mobile B-57 truck mounted rig, no soil samples collected for analysis, silt not encountered.

Collected water sample GS-21-40-45' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-21

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

CLIENT	:		NYSI	DEC		JOB NO.: 11175412.00000	
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY (%)	PID (PPM)	MATER DESCRIPT	IAL	REMARKS
		24-26	100	ND			
		26-28	80	ND	SW. Gray brown fine to coarse SAND, some fi	ine gravel, dry.	
_		28-30	50	ND			
-30 —		30-32	50	ND	GP. Gray brown coarse SAND and fine GRAV	EL, some medium sand and coarse gravel, dry.	
-		32-34	0	ND			
-35 —	а. а.	34-36	90	ND	SW. Gray brown fine to coarse SAND, some g	gravel, dry to damp.	
_		36-38	0	ND			
_		38-40	20	ND	GW. Brown fine to coarse GRAVEL, some fine	e to coarse sand, wet.	
-40 — _		40-42	50	ND	SW. Brown fine to medium SAND, some fine of	gravel, wet.	
		42-44	60	ND	GP. Brown fine to medium SAND and fine GR	AVFL. wet	
-45 —		44-46	60	ND	SW. Brown fine to medium SABND, trace fine		
_		46-48	50	ND	GW. Gray brown fine to coarse GRAVEL and	fine to coarse SAND, wet.	
-		48-50	0	ND			
-50 —							
		50-52	0	ND	End of boring at 52'.		
-55 —							

COMMENTS: Boring first advanced until refusal at 26' with a truck-mounted Simco Earthprobe 200 direct-push rig.

Returned 3/5/08 with Mobile B-57 truck mounted rig, no soil samples collected for analysis, silt not encountered.

Collected water sample GS-21-40-45' and submitted for analysis of TCL VOCs.

TEST BORING LOG Corporation BORING NO.: GS-22 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 784711.11811 EASTING: 1008597.39167 **BORING CONTRACTOR: GROUNDWATER: GROUND ELEVATION:** 853.2092 CAS. **SAMPLER** CORE TUBE DATE STARTED: 2/15/08 TIME LEVEL Macrocore DATE **TYPE TYPE DATE FINISHED:** 2/15/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION FILL. Black silty coarse gravel. FILL. Brown clayey silt and fine to coarse gravel, trace asphalt. 100 ND 60 NΠ 4-8 Brick at 8'. FILL. Brown clayey silt, trace wood. ML. Gray very CLAYEY SILT, moist. -10 8-12 ND ML. Gray CLAYEY SILT, trace organics (roots), moist. 12-16 ND 90 -15 \boxtimes \boxtimes \boxtimes GM. Gray brown SILTY fine SAND to fine rounded GRAVEL, very moist. . . ⊠ ⊠ . . ⊠ ⊠ 16-20 ND GW. Brown fine to coarse SAND and fine to coarse rounded GRAVEL, trace to some silt, wet. -20 ML. Brown SILT with occasional clayey stringers. Becomes grayer at 22'. 20-24 75 ND ML. Gray brown CLAYEY SILT, dilatant, wet. -25 COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig. Collected soil sample GS-22-20.5-21.5' and submitted for analysis of TCL VOCs.

Collected water samples GS-22-17-21' and GS-22-24-28' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-22 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 **CLIENT: NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) 24-28 100 ND End of boring at 28'. -30 -35 -50 -55 -COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil sample GS-22-20.5-21.5' and submitted for analysis of TCL VOCs.

Collected water samples GS-22-17-21' and GS-22-24-28' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-23 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 **JOB NO.**: 11175412.00000 CLIENT: **NYSDEC** Nature's Way Environmental, Inc. NORTHING: 784925.73219 EASTING: 1009724.83272 **BORING CONTRACTOR:** 894.4267 **GROUND ELEVATION: GROUNDWATER:** CAS. **SAMPLER** CORE TUBE **DATE STARTED:** 2/13/08 Macrocore DATE TIME LEVEL **TYPE TYPE DATE FINISHED:** 2/15/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Brown CLAYEY SILT, moist. \boxtimes \boxtimes \boxtimes GM. Brown SILTY fine GRAVEL, moist. \boxtimes \boxtimes \boxtimes 70 ND \boxtimes \boxtimes GM. Brown SILTY fine to coarse GRAVEL, moist. ⊠ \boxtimes \boxtimes . . Ø Ø \boxtimes . . Ø \boxtimes \boxtimes 4-8 35 NΠ . . ⊠ ⊠ some fine to medium sand × \boxtimes \boxtimes ⊠ ⊠ \boxtimes \boxtimes \boxtimes \boxtimes ⊠ -10 -⊠ \boxtimes 8-12 ND \boxtimes \boxtimes \boxtimes Ø \boxtimes SP. Brown fine SAND, some coarse sand to fine gravel, moist. 12-16 ND 80 -15 SP. Brown fine SAND, trace coarse sand and fine gravel, moist. 16-20 70 ND -20 Wet at 20'. 20-24 80 ND ML. Brown SILT, trace to some very fine sand, dilatant, wet. ML. Brown SILT, dilatant, wet. -25 COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-23-22-23' and GS-23-27-28' and submitted for analysis of TCL VOCs.

Collected water samples GS-23-20-24' (plus FD-021508) and GS-23-24-28' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-23 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 **CLIENT: NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) 24-28 100 ND End of boring at 40'. -30 -35 -50 -55 -

COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil samples GS-23-22-23' and GS-23-27-28' and submitted for analysis of TCL VOCs.

Collected water samples GS-23-20-24' (plus FD-021508) and GS-23-24-28' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-24 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 **JOB NO.**: 11175412.00000 CLIENT: **NYSDEC** Nature's Way Environmental, Inc. NORTHING: 785251.6767 EASTING: 1008834.16338 **BORING CONTRACTOR:** 854.1545 **GROUND ELEVATION: GROUNDWATER:** CAS. SAMPLER CORE TUBE **DATE STARTED:** 2/14/08 DATE TIME **LEVEL TYPE** TYPE Macrocore **DATE FINISHED:** 2/14/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION FILL. Brown to gray silty gravel, dry. GM. Gray brown SILTY GRAVEL, some fine sand, dry. 60 ND GM. Brown SILTY fine SAND and GRAVEL, dry to moist. ⊠ \boxtimes \boxtimes . . 🛛 4-8 75 NΠ . . Ø ⊠ ⊠ . . ⊠ ⊠ \boxtimes . . ⊠ ⊠ \boxtimes ⊠ \boxtimes \boxtimes \boxtimes -10 8-12 ML. Gray CLAYEY SILT, some fine rounded gravel, moist. ML. Gray CLAYEY SILT, trace gravel, moist. ML. Gray CLAYEY SILT. ND 12-16 90 -15 SM. Gray brown SILT with coarse SAND, some fine sand and fine gravel, loose, wet. 16-20 100 ND SM. Gray SILT, trace organics (roots), moist, then wet silty fine sand, some fine rounded gravel at 20'. -20 ML. Brown SILT, trace to some clay, dilatant, wet. 20-24 90 ND ML. Gray SILT, trace clay, dilatant, wet. -25 COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil sample GS-24-20-21' and submitted for analysis of TCL VOCs.

Collected water sample GS-24-16-20' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-24 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** SAMPLE RECOVERY PID DEPTH **MATERIAL** REMARKS STRATA DEPTH FEET DESCRIPTION (%) (PPM) 24-28 100 ND End of boring at 28'. -30 -35 -50 -55 -COMMENTS: Boring advanced with a truck-mounted Simco Earthprobe 200 direct-push rig.

Collected soil sample GS-24-20-21' and submitted for analysis of TCL VOCs.

Collected water sample GS-24-16-20' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-25 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 785106.82282 EASTING: 1009338.55145 **BORING CONTRACTOR: GROUND ELEVATION:** 890.0753 **GROUNDWATER:** CAS. SAMPLER CORE TUBE 2/7/08 **DATE STARTED:** Macrocore DATE TIME LEVEL **TYPE TYPE DATE FINISHED:** 3/7/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Dark brown CLAYEY SILT, moist. GM. Brown SILTY fine SAND and fine GRAVEL, moist. Very moist from 4-8'. \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes 60 ND ☒ \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes × \boxtimes ⊠ \boxtimes \boxtimes 4-8 50 NΠ × ⊠ ⊠ ⊠ GW. Gray brown GRAVEL, some silty fine sand, dry. -10 8-12 ND 12-16 ND 75 -15 GW. Gray brown fine to coarse rounded GRAVEL, some fine to coarse sand, dry. 16-18 50 ND 18-20 75 ND -20 20-22 ND 90 22-24 50 ND -25

COMMENTS: Boring advanced to refusal at 16.1' with a truck-mounted Simco Earthprobe 200 direct-push rig. Returned 3/7/08 with Mobile B-57 truck mounted drill rig, collected soil sample GS-25-28-29' and submitted for analysis of TCL VOCs. Collected water sample GS-25-25-30' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-25

PROJECT: Hillcrest Area Site SHEET: 2 OF 2

CLIENT: NYSDEC JOB NO.: 11175412.00000

	NYSI		JOB NO.: 11175412.00000	
SAMPLE DEPTH	RECOVERY (%)	PID (PPM)	MATERIAL DESCRIPTION	REMARKS
	RECOVERY	PID	MATERIAL	REMARKS
	24-26 26-28	24-26 75 26-28 60	DEPTH (%) (PPM) 24-26	DEPTH (%) (PPM) DESCRIPTION 24-26 75 ND Wet at 25'. GW. Brown fine to coarse GRAVEL, some fine to coarse sand, trace silt, wet. 26-28 60 ND ML. Brown SILT, trace very fine sand, dilatant, wet.

COMMENTS: Boring advanced to refusal at 16.1' with a truck-mounted Simco Earthprobe 200 direct-push rig.

Returned 3/7/08 with Mobile B-57 truck mounted drill rig, collected soil sample GS-25-28-29' and submitted for analysis of TCL VOCs. Collected water sample GS-25-25-30' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-26 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 785523.44365 EASTING: 1009457.17155 **BORING CONTRACTOR: GROUND ELEVATION:** 892.9454 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE 2/7/08 **DATE STARTED:** LEVEL Macrocore DATE TIME **TYPE** TYPE **DATE FINISHED:** 3/17/08 DIA. 4' DRILLER: E. Laurienzo LENGTH R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Dark brown CLAYEY SILT, moist. SM. Brown SILTY fine SAND, some coarse sand and fine to coarse gravel, moist. Very moist from 4- 8° . 60 ND 4-8 50 NΠ GM. Gray brown SILTY fine SAND and fine to coarse GRAVEL, trace cobbles, moist to dry. × \boxtimes Ø ⊠ ⊠ -10 . . ⊠ ⊠ 8-12 ND \boxtimes \boxtimes × \boxtimes \boxtimes \boxtimes \boxtimes Ø \boxtimes 12-16 75 ND ⊠ ⊠ ⊠ -15 . . ⊠ ⊠ ⊠ ⊠ × \boxtimes Ø Ø \boxtimes 16-20 50 . . ⊠ ⊠ \boxtimes -20 \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes \boxtimes 20-24 75 ND . . ⊠ ⊠ ⊠ ⊠ ⊠ \boxtimes . . Ø ⋈ -25

COMMENTS: Boring first advanced to refusal at 26.5' with a truck-mounted Simco Earthprobe 200 direct-push rig.

Returned 3/17/08 with Mobile B-57 truck mounted drill rig, collected soil sample GS-26-43-44' and submitted for analysis of TCL VOCs. Collected water samples GS-26-32-36' and GS-26-38-43' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-26

PROJECT: Hillcrest Area Site SHEET: 2 OF 2

CLIENT: NYSDEC JOB NO.: 11175412.00000

CLIENT:		NYSI	DEC	JOB NO.: 11175412.00000	
DEPTH FEET STRATA	STRATA SAMPLE RECOVERY PID (PPM)			MATERIAL DESCRIPTION	REMARKS
-30 - S S S S S S S S S S S S S S S S S S	24-26 26-28 28-30 30-32 32-34 34-36 36-38 38-40	90 50 75 60 50 50 75	ND	GM. Gray brown SILTY GRAVEL, some medium to coarse sand, dry. GW. Gray brown fine to coarse GRAVEL, some coarse sand, trace fine sand, silt, wet. SP. Brown fine SAND, wet. SP. Brown fine SAND, some fine sand and gravel. SP. Brown fine to medium SAND, wet. GP. Gray brown fine rounded GRAVEL, some coarse sand, wet. GW. Gray brown fine to coarse rounded GRAVEL, wet. GW. Gray brown fine to coarse rounded GRAVEL, some medium to coarse sand, wet. GW. Gray brown fine to coarse rounded GRAVEL, some medium to coarse sand, wet.	
-45 — - - - - - - - - - - - - - - - - - - -	42-44	50	ND	ML. Brown SILT, trace to some very fine sand, dilatant, wet. End of boring at 44'.	

COMMENTS: Boring first advanced to refusal at 26.5' with a truck-mounted Simco Earthprobe 200 direct-push rig.

Returned 3/17/08 with Mobile B-57 truck mounted drill rig, collected soil sample GS-26-43-44' and submitted for analysis of TCL VOCs. Collected water samples GS-26-32-36' and GS-26-38-43' and submitted for analysis of TCL VOCs.

TEST BORING LOG Corporation BORING NO.: GS-27 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 JOB NO.: 11175412.00000 CLIENT: **NYSDEC** Nature's Way Environmental, Inc. NORTHING: 785403.65074 EASTING: 1009842.2105 **BORING CONTRACTOR: GROUND ELEVATION:** 893.9858 **GROUNDWATER:** CAS. **SAMPLER** CORE TUBE 2/7/08 **DATE STARTED:** TIME Macrocore DATE LEVEL TYPE **TYPE DATE FINISHED:** 3/6/08 DIA. 4' DRILLER: E. Laurienzo LENGTH GEOLOGIST: R. Murphy **REVIEWED BY:** * POCKET PENETROMETER READING Tim Bruen SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION ML. Dark brown CLAYEY SILT, moist. GM. Brown CLAYEY SILT and fine to coarse GRAVEL, moist. ☒ \boxtimes \boxtimes 60 ND . . Ø × GM. Brown SILTY fine to medium SAND and fine to coarse GRAVEL, moist, \boxtimes \boxtimes \boxtimes \boxtimes × \boxtimes ⊠ \boxtimes 4-8 60 NΠ ⊠ \boxtimes ⊠ ⊠ ⊠ GM. Brown SILTY GRAVEL, some medium to coarse sand, moist to dry. \boxtimes \boxtimes \boxtimes ⋈ \boxtimes . . 🛛 \boxtimes \boxtimes -10 8-12 ND . . ⊠ ⊠ ⊠ ⊠ \boxtimes \boxtimes ⊠ ⋈ \boxtimes \boxtimes 12-16 ND 60 Ø ⊠ -15 SM. Brown SILTY very fine SAND, moist. SM. Brown SILTY fine SAND, some coarse sand to fine gravel, moist. \boxtimes \boxtimes X GM. Brown SILTY GRAVEL, some medium to coarse sand, very moist 16-17' then dry. ⊠ \boxtimes × \boxtimes \boxtimes 16-20 75 ND × × × \boxtimes -20 GW. Brown to gray brown fine to coarse rounded GRAVEL, some medium to coarse sand, some silt, 20-24 ND -25

COMMENTS: Boring first advanced to refusal at 31' with a truck-mounted Simco Earthprobe 200 direct-push rig.

Returned 3/6/08 with Mobile B-57 truck mounted drill rig, collected soil sample GS-27-37-38' and submitted for analysis

of TCL VOCs. Collected water sample GS-27-34-38' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-27

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

CLIENT:	•		NYSI	DEC:	JOB NO.: 11175412.00000						
DEPTH FEET	STRATA	SAMPLE DEPTH	RECOVERY	PID (PPM)	MATERIAL						
-		24-28	80	ND							
-		28-30	100	ND							
30 —		30-32	50	ND	SW. Gray brown fine to coarse SAND and fine gravel, moist.						
		32-34	50	ND	SM. Gray brown SILTY fine SAND and fine to coarse gravel, moist.						
i5 —		34-36	75	ND	SM. Brown SILTY very fine SAND, wet.						
		36-38	90	ND	ML. Brown SILT, some very fine sand, dilatant, wet.						
40 — - - -					End of boring at 38'.						
5 — - - -											
0 — - - -											
5 —											

COMMENTS: Boring first advanced to refusal at 31' with a truck-mounted Simco Earthprobe 200 direct-push rig. Returned 3/6/08 with Mobile B-57 truck mounted drill rig, collected soil sample GS-27-37-38' and submitted for analysis of TCL VOCs. Collected water sample GS-27-34-38' and submitted for analysis of TCL VOCs.

TEST BORING LOG URS Corporation BORING NO.: GS-28 PROJECT/PROJECT LOCATION: OF 2 **Hillcrest Area Site** SHEET: 1 CLIENT: **NYSDEC** JOB NO.: 11175412.00000 Nature's Way Environmental, Inc. NORTHING: 785949.01079 EASTING: 1009169.93292 **BORING CONTRACTOR: GROUND ELEVATION:** 857.4689 **GROUNDWATER:** CAS. SAMPLER CORE TUBE DATE STARTED: 3/14/08 LEVEL Macrocore DATE TIME **TYPE TYPE DATE FINISHED:** 3/14/08 DIA. LENGTH 4' DRILLER: E. Laurienzo R. Murphy **GEOLOGIST: REVIEWED BY:** Tim Bruen * POCKET PENETROMETER READING SAMPLE **RECOVERY DEPTH MATERIAL REMARKS** STRATA DEPTH FEET (%) (PPM) DESCRIPTION No samples collected due to obvious fill material. -10 FILL. Gray brown silty fine to coarse sand, wood. Augered through 6-8" of wood. ND 10-12 40 FILL. Drove wood with spoon. -15 14-16 0 ML. Gray SILT, trace clay. 16-18 75 ND SP. Gray brown fine SAND, trace silt, wet. 18-20 100 ND SM. Brown silty fine to medium SAND, wet. -20 GM. Brown fine GRAVEL, some coarse sand, trace silt, wet. 20-22 ND 25 SP. Brown fine SAND, some coarse sand, trace fine gravel, wet. 22-24 25 ND SM. Brown SILTY fine SAND, some rounded fine gravel, wet. COMMENTS: Boring advanced with a Mobile B-57 truck mounted drill rig using 2 1/4" hollow stem augers. No soil sample was collected for analysis because silt unit was not encountered.

BORING NO.: GS-28

Collected water samples GS-28-18-22' and GS-28-45-50' and submitted for analysis of TCL VOCs.

TEST BORING LOG

BORING NO.: GS-28

PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2

JOB NO.: 11175412.00000 **NYSDEC**

CLIENT: RECOVERY SAMPLE PID DEPTH **MATERIAL REMARKS** STRATA FEET **DEPTH** DESCRIPTION (%) (PPM) 24-26 75 ND some coarse gravel from 26-28'. ND 26-28 80 GM. Brown SILTY rounded fine to coarse gravel, some coarse sand, wet. . . ⊠ ⊠ ⊠ 28-30 60 ND . . ⊠ ⊠ -30 GW. Gray brown fine to coarse GRAVEL, some coarse sand, wet. 30-32 50 ND SW. Gray brown fine to medium SAND, trace fine gravel, wet. 32-34 50 ND GP. Gray coarse SAND and fine GRAVEL, wet. -35 34-36 ND 40 SP. Gray brown fine SAND, wet. 36-38 ND 90 GP. Gray brown coarse SAND to fine GRAVEL, wet. 38-40 25 ND -40 SP. Gray brown fine SAND, some coarse gravel, wet. 40-42 25 ND No gravel from 42-43'. 42-44 ND 70 SW. Gray brown fine to coarse SAND, trace silt and rounded fine gravel, wet. SP. Gray brown fine SAND, wet. 44-46 50 ND GW. Gray brown fine to coarse GRAVEL, some fine to medium sand, wet. SP. Gray brown fine SAND, trace fine gravel, wet. 46-48 100 ND 48-50 60 ND -50 End of boring at 50'. -55 -

COMMENTS: Boring advanced with a Mobile B-57 truck mounted drill rig using 2 1/4" hollow stem augers.

No soil sample was collected for analysis because silt unit was not encountered.

Collected water samples GS-28-18-22' and GS-28-45-50' and submitted for analysis of TCL VOCs.

			TT	D(2							TES	ST BORING	3 LOG
					S c	orpo	ra	tion			BORING NO.:	MW-	-07-01	
	CT/PROJE	ECT LOC	CATION:	Hillo	crest Are	ea Site						OF 1		
CLIENT	ř:				SDEC						JOB NO.: 111			
	G CONTRA			Natu	ure's Wa			mental, Inc.						i: 1010301.08472
	NDWATER	1					AS.	SAMPLER	CORE	TUBE				
DATE	TIME	LEV		TYPE	TYPI			Split Spoon	<u> </u>		DATE STARTE		3/10/08	
3/10/08	12:00	14' b	igs Op	pen hole			/4"	2"	<u> </u>	<u> </u>	DATE FINISHE	:D:	3/10/08	• •
	 				WT.		\longrightarrow	140 lbs.	<u> </u>		DRILLER:		Steve Ging	_
	<u> </u>				FALI			30"	<u> </u>		GEOLOGIST:		R. Murphy	15
						* POCKE	T PE	ENETROMETER	R READIN	G	REVIEWED BY	<u>′:</u>	Tim Br	nen
DEPTH FEET	STRATA	DEPTH	BLOW COUNT	I	COVERY (%)	PID (ppm)				TERIAL RIPTION			WELL CONSTRUCTION	REMARKS
0	No samples collected, see GS-02 for lithologic information. 8" Flushmount Casing 2" Sch. 40 PVC Riser: 10.5'-0.5'													
-5 — - - -	- - - - #0 (Ricci Bros.)													
-10 —														Sand: 21'-8.5'
-													×	10 slot, 2" Sch. 40 PVC Screen: 20.5'-10.5'
-15 —		14-16	14, 17, 1 13	13,	5	ND	S	SW. Medium to coa	irse SAND,w	vet.				
-														
-20 —		19-21	9, 11, 5,	, 5	5	ND	SI	SW. Medium to coa	irse SAND, v	wet.				
-							Eı	End of boring at 21'	'. Installed P	VC monito	ring well.			
-25							Т_							
							=							
	ENTS: Bor earby GS-0													
												BOR	RING NO. : MW	/-07-01

			T	Т	C	•							TES	ST BORING	LOG
)Ţ	3	C	orpo	ra	tion			BORING NO.	MW	/-07-02	
PROJE	CT/PROJE	ECT LO	CATIO	N: H	Hillcr	est Are	a Site						OF '		
CLIENT	<u>': </u>				NYSE							JOB NO.: 11			
BORING	G CONTRA	ACTOR:	<u>: </u>	1	Natur	e's Wa	y Envi	ronr	nental, Inc.					81836 EASTING	:1010644.84911
GROUN	IDWATER	:					_	AS.	SAMPLER	CORE	TUBE	GROUND ELE			
DATE	TIME	LEV	/EL	TYF	PE	TYPE	_	SA	Split Spoon			DATE START		3/10/08	
3/10/08	14:35	18' b	ogs	Open	hole	DIA.	4	1/4"	2"			DATE FINISH	ED:	3/10/08	
						WT.			140 lbs.			DRILLER:		Steve Ging	
						FALI			30"			GEOLOGIST:		R. Murphy	is:
						*	POCK	ET P	ENETROMETE	R READIN	G	REVIEWED B	Y:	Tm Bn	nen
DEPTH FEET	STRATA	S DEPTH	1			OVERY %)	PID (ppm)				ERIAL			WELL CONSTRUCTION	REMARKS
0									Samples only colled			saturated conditions	, see		8" Flushmount Casing
-															2" Sch. 40 PVC Riser: 15'-0.5'
-5-															
_															
-10 —															
															Bentonite: 13.5'-
-															11.5' #0 (Ricci Bros.)
-15 —															Sand: 25'-13.5'
		16-18	23, 16,	, 13, 7	:	20	ND		GM. Brown SILTY formoist. SP. Brown fine SAI			, some fine to coarse	sand,		
-		18-20	6, 2,	1, 1		50	ND		SM. Gray brown SI vet.	LTY medium	to coarse	SAND, some fine gra	vel,		
-20 —															10 slot, 2" Sch. 40 PVC Screen: 25'-15'
															_0 .0
-25									End of boring at 28 o 25'. Set well at 2		o 28', flowir	ng sand came into au	gers		
COMMI	ENTS: Bor	ring adv	anced	with a	trucl	k mount	ed Mo	bile l	B-57 rig.						
	earby GS-0														
													BOF	RING NO.: MW	-07-02

					τ	JE	25	C	orpoi	ration			BORING NO. :		BORING	LOG
PROJE	CT/	PR	O IF	CTIO					ea Site	ation						
CLIENT		FN	036	CI LO	CATIC		NYSD		ea Sile				JOB NO.: 11	OF 2	1000	
									n, Envir	anmental Inc			+			: 1010587.37202
BORING						<u>'</u>	Natur	e S VV		onmental, Inc.	CODE	TUDE	GROUND ELEV		898.9	. 1010367.37202
GROUN				1	T				CAS		CORE	TUBE	DATE STARTE		3/18/08	
DATE		TIM		LEV		TYF	-	TYP	_				DATE STARTE		3/18/08	
3/18/08		15:3	30	19.5	' bgs	Open	nole	DIA.	4 1/-					.D.	Steve Ging	arich
								WT.		140 lbs.			DRILLER:		R. Murphy	
								FAL		30"		_	GEOLOGIST:	_		100
									* POCKE	T PENETROMETE	R READIN	G	REVIEWED BY	<u>': </u>	Tim Br	nen
DEPTH				S	AMPLI						MA	ΓERIAL			WELL	DEMARKS
FEET	ST	RA	TA	DEPTH	I	.OW UNTS	l	VERY	PID			RIPTION		CON	ISTRUCTION	REMARKS
					00.	01110	(%	%)	(ppm)							
0																
ا ["										ML. Gray to dark b			oist		\boxtimes	8" Flushmount Casing
1 1				0-2	1, 1,	2, 3	7	'5	ND	ML. Red brown CL	AYEY SILT		el, moist.			3
-	×	×	×							GM. Brown fine to	coarse GRA	VEL and S	SILTY fine SAND, some	<u> </u>		
-	Ø		Ø	2-4	3. 5.	4, 3	7	' 5	ND	coarse sand.			,		$\otimes \otimes \square$	
4	Ø	⊠			-, -,	., ., .				 					\bowtie	
-5	×	×	×							GM. Brown SILTY	GRAVEL, s	ome coarse	e sand, moist.			
-3	⊠	⊠		4-6	3, 4,	, 3, 3	2	20	ND							
1	X	⊠	⊠ • • •												$\bowtie \bowtie 1$	
-	⊠ 	⊠	⊠ 	6-8	6, 5	0/5"	4	10	ND						\boxtimes	
4			M M							CM Cray brayer S					XXI	2" Sch. 40 PVC
4	⊠	⊠	⊠	0.40	7 20	22 25		' 5	ND	GM. Gray brown S	SIL I Y TINE TO	coarse GR	AVEL, dry.		X X I	Riser: 17.5'-0.5'
-10 —	Ø	⊠ 		8-10	7, 30,	<i>აა, ა</i> ა	<i>'</i>	5	עא						$\otimes \otimes \square$	
-10	⊠	×								GM. Gray brown S coarse sand, dry.	SILTY fine to	coarse GR	AVEL, some medium t	to	$\bowtie \bowtie$	
1	⊠	⊠	⊠	10-12	14, 3	2, 36, 7	6	0	ND	course sand, dry.						
-	⊠	⊠	⊠							-					$\otimes \otimes \square$	
-	⊠			12-14	50	/4"		0	ND							
4	⊠ . ⊠	⊠ ⊠	⊠ ⊠							-						Bentonite: 13'-
-15 —	 M					-0/48										15'
		⊠ ⊠	⊠ ⊠	14-16	42, 5	50/1"	1	00	ND							
7	⊠	⊠														
1	⊠	⊠	⊠	16-18		7, 16, 8	4	10	ND							
-	⊠	⊠			<u>'</u>	0				-						
-				18-20	12, 8	8, 6, 5	5	50	ND	SW. Brown fine to	coarse SAN	D some fin	e gravel.			
-20 —	<u>:::</u> :	<u>:::</u> -								Wet at 19.5'.						#0 (Ricci Bros.)
										SW. Brown fine to coarse rounded gra		ND, some (coarse sand and fine to	·		Sand: 26.5'-15'
				20-22	4, 5,	, 5, 4	6	60	ND							
1										SW. Brown fine to sand, wet.	medium SA	ND, trace fi	ne gravel and coarse			
1				22-24	3, 2,	4, 4	6	0	ND	Sand, Wet.						
+ 1	•••	•••	••••							SP. Brown fine SA	ND. trace m	edium to co	parse sand and silt, we	t.		
-25	•••	•														
COMMI	ENT	ΓS:	Bor	ing adv	anced	with a	truck	moun	ted Mobi	ile B-57 rig.						
	_	_														
													Г			
														BORING	NO.: MW	-07-03

		I	JRS	l Corm	oroti			BORING L	OG
DDO IE	OT.					711	BORING NO.: MW-07-	.03	
PROJE				st Area Site			SHEET: 2 OF 2	2000	
CLIENT	: 	_	NYSDE	:C	PID		JOB NO. : 11175412.00)000 	
DEPTH FEET	STRATA	DEPTH	BLOW COUNTS	RECOVERY (%)		MATER DESCRIPT		WELL CONSTRUCTION	REMARKS
-30		24-26 26-28 28-30	6, 4, 3, 4 woh, 1, 1, 2 wor, wor, 1, 2	60	ND ND ND	SP. Brown fine SAND, trace silt, we End of boring at 30'. Natural cave-in			10 slot, 2" Sch. 40 PVC Screen: 27.5'-17.5' Natural material cave-in: 30.0'- 26.5'
-40 — 45 — 50 — 55 —									
COMM	ENTS: Boi	ring adv	anced with a	a truck mour	nted Mobi	le B-57 rig.			

BORING NO.: MW-07-03

			U	RS	C	orpoi	ration			BORING NO.:	EST BORING	LOG
PROJE	CT/PROJE	ECT LOC				ea Site					: 2	
CLIENT				NYS						JOB NO.: 1117		
	G CONTRA	ACTOR:				ay Enviro	onmental, Inc.				04.04104 EASTING	:1010105.65393
	IDWATER					CAS		CORE	TUBE	GROUND ELEVA		
DATE	TIME	LEV	EL .	ГҮРЕ	TYP	_				DATE STARTED	: 3/17/08	
3/18/08	07:30	27.0'		en hole	DIA	_				DATE FINISHED	3/17/08	
			<u> </u>		WT.		140 lbs.			DRILLER:	Steve Ging	ırich
					FAL	L	30"			GEOLOGIST:	R. Murphy	
						* POCKE	 Γ PENETROMETE	⊢ R READIN	IG	REVIEWED BY:	Tim Br	
		s	AMPLE	\top	<u> </u>					1	[,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
DEPTH	STRATA		BLOW	REC	OVERY	PID			TERIAL		WELL	REMARKS
FEET		DEPTH	COUNT	- 1	(%)	(ppm)		DESC	RIPTION		CONSTRUCTION	
											<u> </u>	
0-							No samples collect	od soo noo	rby GS 12 k	poring log for lithologic		8" Flushmount
4 1							information.	eu, see neai	iby 65-12 t	orning log for intrologic		Casing
1												
1												
-5												
4 1												
4 1												
1 1												
-10 —												2" Sch. 40 PVC
-												Riser: 22.5'-0.5'
-												
_												
4-												
-15 —												
1 1												
-												
-												
-20 —												Bentonite: 18.5'-
-20												20.5'
7 1												
1 1												#0 (Ricci Bros.)
-												Sand: 32.5'- ´ 20.5'
-												
-25												
COMM	ENTS: Bor	ring adva	anced wit	n a truc	k mour	ited Mobi	le B-57 rig.					
		J :					<u>J</u> .					
										E	BORING NO.: MW	-07-04

			TDC	ı				TE	ST	BORING L	OG
		·		Corp	oratio	on	Ī	BORING NO.: M			
PROJEC	T:		Hillcres	st Area Site				SHEET: 2 OF			
CLIENT:		•	NYSDE	С				JOB NO.: 111754	412.00	000	
DEPTH FEET	STRATA	DEPTH	AMPLE BLOW COUNTS	RECOVERY	PID DIRECT/ HEAD- SPACE	MATE DESCRII				WELL CONSTRUCTION	REMARKS
-30						End of boring at 32.5'.			-		10 slot, 2" Sch. 40 PVC Screen: 32.5'-22.5'
-40 — - - - -											
-45 — - - -50 — -											
-55 —											
COMME	ENTS: Boi	ring adva	anced with a	truck mour	ited Mobil	e B-57 rig.					
									BOR	RING NO. : MW	-07-04

### TEST BORNO LOG BORNO NO : MW-07-05				TΠ	DC	•		4.			TE	ST BORING	LOG
NYSDEC						C	orpo	ration			BORING NO.: MV	V-07-05	
BORING CONTRACTOR: Nature's Way Environmental, Inc. NORTHING: 794388 99257 EASTING: 1009963.76868	PROJE	CT/PROJE	ECT LO	CATION:	Hillc	rest Ar	ea Site				T		
Comments	CLIENT	Г:											
DATE TIME LEVEL TYPE TYPE HSA Split Spoon DATE STARTED: 3/20/08				:	Natu	re's Wa	-						:1009963.76869
3/20/08 14-10 25 bgs Open Incl. DIA. 4 1/4" 2" DATE FINISHED: 3/20/08 WT. 140 lbs. DRILLER: Steve Gingrich FALL 30" GEOLOGIST: R. Murphy **POCKET PENETROMETER READING REVIEWED BY: **POCKET PENETR	GROU	NDWATER	:			1				TUBE			
WT. 140 Bo. DRILLER: Steve Gingrich FALL 30" GEOLOGIST: R. Murphy		TIME			YPE		_	- ' '	on				
FAIL 30" GEOLOGIST: R. Murphy POCKET PENETROMETER READING REVIEWED BY: W. Bound REVIEWED BY: REVIEWED BY: W. Bound REVIEWED BY: REVI	3/20/08	14:10	25' k	ogs Ope	n hole								• •
DEPTH FEET STRATA DEPTH BLOW COUNTS RECOVERY (%) PID DEPTH COUNTS RECOVERY (%) PID DEPTH COUNTS RECOVERY (%) PID DEPTH DEP						1			•				
STRATA Depth STRATA Depth SLOVERY Depth COUNTS C(k) (ppm) Description Descript						1							ia.
STRATA DEPTH BLOW COUNTS RECOVERY PID MATERIAL CONSTRUCTION REMARKS							* POCKE	T PENETROME	TER READIN	G	REVIEWED BY:	Im Br	nen
STATE	DEPTH		S		4				MA ⁻	TERIAL		WELL	DEMARKS
## Commence of the coarse GRAVEL, some coarse sand, moist. Commence of the coarse of the coarse GRAVEL, some coarse sand, moist. Commence of the coarse		STRATA	DEPTH	1	.		l						REMARKS
M. Dark brown CAYFEY Bill.*, trace gravel, molat. Second brown at 7. Second brown at 7.						(70)	(ppiii)						
M. Dark brown CAYFEY Bill.*, trace gravel, molat. Second brown at 7. Second brown at 7.	0				_		,	1					
State Stat								ML. Dark brow	n CLAYEY SILT	, trace grav	vel, moist.		
3 8 9 3 2.4 3.5, 4.3 20 ND			0-2	1, 1, 1, 2		90	ND	Becomes brow	n at 1'.				
	1	M M M						GM. Brown SII	LT and GRAVEL	., some coa	arse sand, moist.	1 🛭 🕽 🖠	
CML Brown fine to coarse GRAVEL, some coarse sand and sit, trace clay, very mote: CML Brown fine to coarse GRAVEL, some coarse sand and sit, trace clay, very mote: CML Brown SILTY fine to coarse GRAVEL, trace coarse sand, damp.	+		2-4	3, 5, 4, 3		20	ND						
-5 8 8 8 8 4 6 5 4 2 2 10 ND Indicating the color of the	+				-			GM. Brown fin				1 🛭 🕽 1	
Comments Section Sec	-5 —		4-6	5. 4. 2. 2		10	ND			,	,		
Section Sect	4			.,,,				_					
-10									LTY fine to coars	se GRAVEL	, trace coarse sand,		
38 10 21, 41, 50/3* 50 ND GM. Gray brown SILTY fine to coarse GRAVEL, dry. GM. Gray brown SILTY fine to coarse GRAVEL, dry. 12-14 17, 50/4* 90 ND SM. Gray brown SILTY fine to coarse SAND, trace coarse sand, dry. 14-16 15, 22, 24, 75 ND GW. Gray brown fine to coarse GRAVEL, some coarse sand, trace all the first solution of the			6-8	3, 5, 10, 1	2	30	ND						
-10 -10 -10 -10 -10 -10 -10 -10	1							GW. Gray fine	to coarse GRAV	EL, dry.		1 🛭 🗸 1	
SM			8-10	21, 41, 50/	3"	50	ND						
10-12 18, 50/5" 90 ND SM. Gray brown SILTY fine to coarse SAND, trace coarse sand, dry. 12-14 17, 50/4" 90 ND GW. Gray brown fine to coarse GRAVEL, some coarse sand, trace silt 16-18 20, 26, 32, 80 ND GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. 18-20 50/4" 25 ND GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. #0 (Ricci Bros.) Sand: 30'-18' COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.	-10 —							GM. Gray brow	vn SILTY fine to	coarse GR	AVEL, dry.	1 🛭 🕽 1	
-15 12-14 17, 50/4* 90 ND SM. Gray brown SILTY fine to coarse SAND, trace coarse sand, dry. 12-14 17, 50/4* 90 ND GW. Gray brown fine to coarse GRAVEL, some coarse sand, trace 14-16 15, 22, 24, 75 ND GW. Gray brown fine to coarse GRAVEL, some coarse sand, trace 16-18 20, 26, 32, 50/4* 25 ND 18-20 50/4* 25 ND GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. 40 (Ricci Bros.) Sand: 30'-18' 20-22 20, 48, 50/3* 75 ND GW. Gray brown fine to coarse GRAVEL. 50 (Ricci Bros.) Sand: 30'-18' 50 (Ricci Bros.) Sand: 30'-	-		10-12	18, 50/5"		90	ND						
12-14 17, 50/4" 90 ND 14-16 15, 22, 24, 75 ND 16-18 20, 26, 32, 80 ND 18-20 50/4" 25 ND GW. Gray brown fine to coarse GRAVEL, some coarse sand, trace 18-20 18-20 50/4" 25 ND GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. #0 (Ricci Bros.) Sand: 30-18' COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.	4				-			014 0	OII TV 6 1-		ND town or a district		
-15	4		12-14	17 50//"		90	ND	SIVI. Gray brov	VII SILTY IINE IO	coarse SAI	ND, trace coarse sand, dry.		
-15 14-16 15, 22, 24, 75 ND Silt			12 14	17, 50/4			IND						
-20 18-18 13, 22, 24, 73 ND	-15 —								vn fine to coarse	GRAVEL,	some coarse sand, trace		
-20 18-20 50/4" 25 ND GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. #0 (Ricci Bros.) Sand: 30'-18' GW. Gray brown fine to coarse GRAVEL. GW. Gray brown fine to coarse GRAVEL. #0 (Ricci Bros.) Sand: 30'-18' #0 (Ricci Bros.)	-13		14-16		,	75	ND						
-20 18-20 50/4" 25 ND GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. #0 (Ricci Bros.) Sand: 30'-18' GW. Gray brown fine to coarse GRAVEL. GW. Gray brown fine to coarse GRAVEL. #0 (Ricci Bros.) Sand: 30'-18' #0 (Ricci Bros.)	1												
-20 18-20 50/4" 25 ND GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. #0 (Ricci Bros.) Sand: 30'-18' GW. Gray brown fine to coarse GRAVEL. #0 (Ricci Bros.) Sand: 30'-18' GW. Gray brown fine to coarse GRAVEL. #0 (Ricci Bros.) Sand: 30'-18' GW. Gray brown fine to coarse GRAVEL. #0 (Ricci Bros.) Sand: 30'-18' #0 (Ricc	1	: : :	16-18		,	80	ND						
#0 (Ricci Bros.) Sand: 30'-18'	-			50/4								100 Hit	10
GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. Sand: 30'-18' GW. Gray brown fine to coarse GRAVEL, some fine to coarse sand, dry. GW. Gray brown fine to coarse GRAVEL. GW. Gray brown fine to coarse GRAVEL. COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.	4		18-20	50/4"		25	ND						
Sand: 30'-18' Sand: 30'-18' GW. Gray brown fine to coarse GRAVEL. COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.	-20 —				-			CM Crow brow		CDAVEL		-	#0 (Ricci Bros.)
22-24 50/3" 100 ND GW. Gray brown fine to coarse GRAVEL. COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.	_		20.22	20 49 50/		75	ND		vn fine to coarse	GRAVEL,	some fine to coarse sand,		
GW. Gray brown fine to coarse GRAVEL. COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.			20-22	20, 46, 50/	`	75	ND						
GW. Gray brown fine to coarse GRAVEL. COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.													
COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.	1		22-24	50/3"		100	ND						
COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig.	1							GW. Gray brow	wn fine to coarse	GRAVEL.			
	-25 —		l	I	I		I	I					
													1
RORING NO · MW-07-05	COMM	ENTS: Bor	ring adv	anced with	a truc	k mour	nted Mob	ile B-57 rig.					
RORING NO · MW-07-05													
RORING NO · MW-07-05													
	_										BO	RING NO · MW	-07-05

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		T	трс	Corp	4=		TE	ST BORING L	OG
				Corp	oratio	on	BORING NO.: MV	N-07-05	
PROJEC				st Area Site			SHEET: 2 OF		
CLIENT:			NYSDE	С			JOB NO. : 111754	12.00000	
DEPTH	STRATA	S.	AMPLE	RECOVERY	PID	MATER	IAL	WELL	REMARKS
FEET	JINAIA	DEPTH	BLOW COUNTS	(%)	HEAD- SPACE	DESCRIPT	TION	CONSTRUCTION	
		<u> </u>			0.7.02				
	<u> </u>	24-26	8, 5, 4, 8	20	ND	Wet at 25'.			10 slot, 2" Sch. 40 PVC Screen:
-		26-28	2, 4, 8, 4	1	ND	SP. Coarse SAND, trace silt, wet.			30'-20'
-	······································					ML. Brown dilatant SILT, wet.			
-30 —		28-30	6, 3, 4, 4	100	ND				
-30]						End of boring at 30'.			
_									
4									
-35 —									
+									
+									
+									
1									
-40									
_									
-45 —									
4									
-									
-									
+									
-50 —									
1									
-55 —									
COMME	ENTS: Bo	ring adva	anced with a	a truck moun	ted Mobil	e B-57 rig.			
								BORING NO.: MW	-07-05

			TT	DÇ	•		ration			TE	EST BORING	LOG			
							ration			BORING NO.: M	IW-07-06				
	CT/PROJE	ECT LO	CATION:			ea Site				SHEET: 1 OF					
CLIENT				NYS						JOB NO.: 11175					
	G CONTR		:	Natu	re's W		onmental, Inc		1	NORTHING: 78422		:1009679.02571			
GROUN	NDWATER	:			1	CA			TUBE	GROUND ELEVAT					
DATE	TIME	LEV	/EL 1	YPE	TYF	_		on		DATE STARTED:	3/12/08				
3/12/08	16:00	24.0) bgs Op	en hole	DIA					DATE FINISHED:	3/12/08				
					WT.		140 lbs.			DRILLER:	Steve Ging				
					FAL		30"			GEOLOGIST:	R. Murphy	150			
						* POCKE	T PENETROME	TER READIN	IG	REVIEWED BY:	Tim Br	nen			
DEPTH		S	SAMPLE	_				MA ⁻	TERIAL		WELL	DEMARKO			
FEET	STRATA	DEPTH	BLOW	_ I	OVERY (%)	l			RIPTION		CONSTRUCTION	REMARKS			
					(70)	(ppm)									
0-						,									
							ML. Brown orga				/	8" Flushmount Casing			
		0-2	1, 4, 3, 4		25	ND	GM. Brown SIL	_TY GRAVEL, s	ome fine to	coarse sand, moist					
1	-														
+							-								
-5 —		4-6	2, 4, 5, 6		10	ND						2" Sch. 40 PVC			
4												Riser: 22'-0.5'			
			24 20 00		40	ND	GW. GRAVEL,	some medium t	o coarse sa	and, slightly moist to dry.					
		6-8	34, 36, 25 27),	10	ND									
1		8-10	30, 44, 50/	5"	15	ND									
-10 —									GRAVEL,	some silt, some fine to					
+		10-12		3,	80	ND	medium sand, o	dry.							
+			50/3"				-								
4		12-14	16, 50/5'		80	ND									
4							_								
-15 —		44.40	44 50/01		00	ND									
		14-16	44, 50/3'		90	ND									
							GM. Gray brow GRAVEL, dry to		coarse SAN	ND and fine to coarse					
1		16-18	4, 18, 22,	16	50	ND		. ,							
1							GM. Gray brow and silt, dry.	n fine to coarse	GRAVEL,	some fine to coarse sand					
+		18-20	16, 37, 42	2,	60	ND	and siit, dry.					Bentonite: 18'-			
-20 —			50/3"				GM. Gray brow	n SILTY fine to	coarse GR/	AVEL some fine to coarse	::	20'			
+		20-22	48, 50/3'		90	ND	sand, dry.								
4			·								_ <u> </u>				
_		22.24	0 0 10 1		10	ND	slightly moist.	n fine SAND, so	me coarse	sand and gravel, trace silt,					
		22-24	9, 9, 10, 1	1	10	ND	<u> </u>								
25							SP. Brown fine	SAND, trace co	arse sand,	gravel, and silt, wet.					
-25 ─		-	•	•		•	•								
COMM	ENTS: Da	ring adv	ancod with	o tree	k marr	atod Mak	ile B-57 rig.								
COMM	B0I	ing adv	anceu Will	ı a truc	k mour	neu MOD	ш е Б-Э/ ПУ.								
										В	ORING NO.: MW	-07-06			

П

		T	JRS		4			BORING L	OG
						on	BORING NO. : MW-07-	-06	
PROJEC	T:		Hillcres	t Area Site			SHEET: 2 OF 2		
CLIENT:			NYSDE	С			JOB NO.: 11175412.00	0000	
DEPTH		s	AMPLE		PID	MATERI	IAI	WELL	
FEET	STRATA	DEPTH	BLOW COUNTS	RECOVERY (%)	DIRECT/ HEAD- SPACE	DESCRIPT		CONSTRUCTION	REMARKS
		24-26	1, 3, 8, 7	75	ND				
-									
-		26-28	9, 10, 10, 14	75	ND				
4			, , ,						#0 (Ricci Bros.)
									#0 (RICCI BIOS.) Sand: 32'-20'
		28-30	2, 10, 14, 13	30	ND				
-30 —									10 slot, 2" Sch. 40 PVC Screen:
-	<u> </u>	30-32	5, 7, 8, 6	60	ND				32'-22'
-						ML. Brown SILT, dilatant, wet.			
4		32-34	1, 1, 3, 5	80	ND				
4			1, 1, 2, 2						
-35 —						End of boring at 34'. Sampled to 34'	', augered to 32'.		
1									
-									
-									
-40 —									
_									
1									
1									
-45 —									
-									
-									
_									
-50 —									
+									
4									
-55 —									
COMM	ENTS: Bor	ring adva	anced with a	truck moun	ted Mobil	e B-57 rig.			

BORING NO.: MW-07-06

			U	R	5 c		BORING NO. :	TEST BORII	NG LOG			
PROJE	CT/PROJE	CT LOC			rest Ar					 	OF 2	
CLIENT	:			NYS	DEC					JOB NO.: 11		
BORING	G CONTRA	ACTOR:				ay Enviro	onmental, Inc.			NORTHING: 78	35405.03419 EASTI	NG: 1009840.55903
	IDWATER					CAS	S. SAMPLER	CORE	TUBE	GROUND ELE	VATION: 894.01	
DATE	TIME	LEV	EL	TYPE	TYP	E HS/	4			DATE STARTI	ED : 3/21/08	
					DIA.	4 1/-	4"			DATE FINISHE	ED : 3/21/08	
					WT.					DRILLER:	Steve C	Bingrich
					FAL	L				GEOLOGIST:	R. Murp	phy
						* POCKE	 Γ PENETROMETE	I R READIN	IG	REVIEWED BY	Y: Tinn 1	3min_
		S	AMPLE							1	1,,,,(,	1
DEPTH	STRATA	1	BLOV	N REC	COVERY	PID			ΓERIAL		WELL	REMARKS
FEET		DEPTH	COUN		(%)	(ppm)		DESC	RIPTION		CONSTRUCTION	ON
		l					l					
0-							No					8" Flushmount
_							information.	ed. See adj	acent borin	g GS-27 for lithologic		Casing
]]												
1												
+ 1												
-5												
4 1												
1 1												
-												
-10 —												
4												
_												
1 1												
-15 —												2" Sch. 40 PVC
-												Riser: 28'-0.5'
4												
1												
-20 —												
-												
-												
4												
25												
-25 —	'	, ,		,	'		•					•
CON4N4	ENITO: 5			Ma - 1	ale : ·	4 m al 8 d 1 1 1	In D 57					
COMMI	=N15: Boi	ring adva	anced wi	ıtn a tru	ck moun	tea Mobi	le B-57 rig.					
											BORING NO.: N	IW-07-07

		T	TDC	!			TE	EST BORING L	OG
				Corp	oratio	on	BORING NO.: M	IW-07-07	
PROJEC	CT:		Hillcres	st Area Site			SHEET: 2 OF		
CLIENT			NYSDE	С			JOB NO.: 11175	412.00000	
DEPTH FEET	STRATA	DEPTH	BLOW COUNTS	RECOVERY (%)	PID DIRECT/ HEAD- SPACE	MATEF DESCRIP		WELL CONSTRUCTION	REMARKS
-30			COUNTS	(%)	SPACE	End of boring at 30°.			#0 (Ricci Bros.) Sand: 38'-26' 10 slot, 2" Sch. 40 PVC Screen: 38'-28'
-55 —									
СОММІ	ENTS: Bo	ring adva	anced with a	truck moun	ited Mobil	e B-57 ria			
		ing auva	ATTOCK WILLI C	a druck HIOUH	iteu IVIUUII	с b-от пу.			
								BORING NO.: MW	/-07-07

			τ	ij.	25	C	orpoi				ST BORING	LOG			
DDO IE	CT/PROJE	CTIO					ea Site	ation			BORING NO. :				
		CILO	CATIC				ea Site				SHEET: 1 C	OF 2			
CLIENT					NYSDE		Envis	nmontal Inc			ł			.1000500 55700	
	G CONTRA		:		Nature	S VV		onmental, Inc.	0005	TUDE	GROUND ELEV		89057 EASTING N: 895.88	: 1009599.55768	
	IDWATER	1	<i>-</i>				CAS		CORE	TUBE	DATE STARTE		3/19/08		
DATE	TIME	_	VEL	TYI		TYP	_				DATE STARTE		3/19/08		
3/19/08	13:40	19.2	2' bgs	Open	hole	DIA.	4 1/-					υ.	Steve Ging	arich	
						WT.		140 lbs.			DRILLER: GEOLOGIST:		R. Murphy		
						FAL						,	1120	ia.	
							* POCKE	FPENETROMETE	R READIN	G	REVIEWED BY	: 	Tim Br	nen	
DEPTH		8	SAMPL						MA	ΓERIAL			WELL	REMARKS	
FEET	STRATA	DEPTH	1	LOW UNTS	RECO\		PID (nnm)		DESC	RIPTION		ŀ	CONSTRUCTION	REWARKS	
					(70)	(ppm)								
0								1							
								ML. Brown CLAYE	EY SILT, moi	st.				8" Flushmount Casing	
7		0-2	1, 3,	, 5, 7	50)	ND	GM. Brown SILTY	fine to coars	se GRAVEL	., moist.				
1	GW. Gray brown fine to coarse GRAVEL and fine SAND, dry														
-	2-4 9, 11, 20, 24 50 ND														
-	GW. Gray brown fine to coarse GRAVEL, dry.														
-5—															
_	4-6 31, 43, 50/4" 60 ND														
								GW. Gray brown f dry.	ine to coarse	GRAVEL,	some fine to coarse sa	and,			
	00	6-8		2, 21, 22	75	5	ND								
1								GW. Gray brown f	ine to coarse	GRAVEL,	some fine sand, dry.		\bowtie	2" Sch. 40 PVC Riser: 17'-0.5'	
1		8-10		5, 28,	75	5	ND							14001. 17 0.0	
-10 —			3	33											
4	<u> </u>	10-12	50)/4"	50)	ND								
4	: : : :														
_	<i>O.</i> . : · <i>O</i>	40.44				_									
		12-14	6, 8,	, 5, 5	75)	ND	SP. Gray brown fir	ne SAND, tra	ice fine gra	vel, dry.				
														Bentonite: 13'- 15'	
-15 —		14-16	4, 5,	, 5, 6	75	5	ND								
1								SP. Gray brown fi	ne SAND, so	me coarse	gravel, dry.				
-		16-18	50)/5"	50		ND								
4								SP. Grav brown fi		me fine rou	 inded gravel and coars				
-		18-20	3.2	, 2, 3	50	,	ND	sand, dry.	0, 1140, 50		gravor and coars				
-20 —		.5 20	, 2,	, _, J			- 40	Becomes wet at 19	9'.					#0 (Di==: D :)	
														#0 (Ricci Bros.) Sand: 27'-15'	
		20-22	5, 2,	, 3, 3	25	5	ND								
1 1															
-		22-24	1, 3,	, 5, 5	50)	ND								
-															
-25	••••••				I										
COMMI	ENTS: Bor	ing adv	anced	with a	truck	moun	ted Mobi	le B-57 rig.							
											Γ				
												BOR	ING NO.: MW	-07-08	

		T	TDC	! _			TES	ST BORING L	OG
				Corp	oratio	on	BORING NO.: MW	-07-08	
PROJEC	CT:		Hillcres	st Area Site			SHEET: 2 OF 2		
CLIENT			NYSDE	С			JOB NO.: 1117541	2.00000	
DEPTH FEET	STRATA	DEPTH	BLOW COUNTS	RECOVERY (%)	PID DIRECT/ HEAD- SPACE	MATERI DESCRIPT		WELL CONSTRUCTION	REMARKS
				•				•	
		24-26	7, 5, 5, 5	50	ND	SM. Brown SILTY fine SAND, wet.			10 slot, 2" Sch. 40 PVC Screen: 27'-17'
		26-28	2, 3, 6, 7	75	ND	ML. Brown SILT, wet.			
-30 — -35 — -40 — -45 — -50 —						End of boring at 28'. Sampled to 28'	'augered to 27'.		
-55 —									
COMMI	ENTS: Bo	ring adva	anced with a	a truck moun	ited Mobil	e B-57 rig.			
								BORING NO. : MW	7-07-08

TEST BORING LOG URS Corporation **BORING NO.: MW-07-09** PROJECT/PROJECT LOCATION: **Hillcrest Area Site** SHEET: 1 OF JOB NO.: 11175412.00000 CLIENT: **NYSDEC** NORTHING: 784711.92403 EASTING: 1008598.10207 Nature's Way Environmental, Inc. **BORING CONTRACTOR:** 853.33 **GROUNDWATER:** CAS. SAMPLER CORE TUBE **GROUND ELEVATION:** 3/11/08 **DATE STARTED:** HSA Split Spoon TIME LEVEL TYPE TYPE DATE **DATE FINISHED:** 3/11/08 4 1/4" 3/11/08 13:00 16' bgs Open hole DIA. 2" DRILLER: Steve Gingrich 140 lbs. WT R. Murphy **GEOLOGIST: FALL** 30" * POCKET PENETROMETER READING **REVIEWED BY:** Tim Bruen SAMPLE **DEPTH MATERIAL** WELL **REMARKS** STRATA **BLOW** RECOVERY PID DEPTH CONSTRUCTION FEET DESCRIPTION COUNTS (%) (ppm) 8" Flushmount Samples only collected to confirm depth of saturated conditions, see Casing GS-22 for additional lithologic information. 2" Sch. 40 PVC Riser: 9'-0.5' Bentonite: 7'-5' -10 #0 (Ricci Bros.) Sand: 22'-7' ML. Gray CLAYEY SILT, some fine to coarse gravel, moist. -15 10 slot, 2" Sch. 40 PVC Screen: 14-16 ND 2, 1, 6, 11 60 22'-9' \boxtimes \boxtimes GM. Gray SILTY GRAVEL, some fine to coarse sand, wet. ☒ Ø \boxtimes 16-18 3, 9, 10, 10 25 ND \boxtimes \boxtimes . . ⊠ Image: Control of the \boxtimes SW. Gray brown fine to coarse SAND, trace fine to coarse gravel, -20 19-21 5, 3, 3, 4 10 ND GP. Gray brown fine GRAVEL, some fine to coarse sand, wet. ML. Brown CLAYEY SILT, wet. 21-23 4, 4, 7, 8 40 ND End of boring at 23'. Sampled to 23', augered to 22'. -25 COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig. See nearby GS-22 boring log for additional lithologic information. BORING NO.: MW-07-09

-10 — -15 — -16 — -18 — -18 — -18 — -18 — -18 — -19 — -19 — -19 — -19 — -10 — -10 — -10 — -10 — -10 — -11 — -11 — -11 — -12 — -13 — -14 — -15 — -15 — -16 — -18 — -17 — -18 — -18 — -18 — -19 — -19 — -19 — -19 — -19 — -10 —				τ	JF	25	i c	orn	ors	etion			BOBING NO.		ST BORING	LOG
CLIENT: NYSDEC	DPO IE	CT/DDO IE	CTIO										-			
BORING CONTRACTOR: Nature's Way Environmental, Inc. NORTHING:785289 33552 EASTING: 1008837-5838			.01 L0	CATIO				ca Sii								
CASE SAMPLER CORE TUBE GROUND ELEVATION: 856.88			ACTOR:					av Fn	viron	mental Inc			 			· 1008837 58388
DATE TIME LEVEL TYPE TYPE HISA Split Spoon DATE STATTED: 3/12/08				•							CORE	TURE				
3/12/08 11:00 17.8" bgs Open hole DIA 4 14" 2" DATE FINISHED: 3/12/08			1	/FI	TYI	PF	TVP	_			JOILE	1052				
WT. 140 Bs.																
SAMPLE DEPTH FEET STRATA DEPTH BLOW COUNTS (%) PID DEPTH FEET STRATA DEPTH FEET STRATA DEPTH FEET STRATA DEPTH BLOW COUNTS (%) PID DEPTH FEET STRATA DEPTH BLOW COUNTS (%) PID DEPTH COUNTS (%) PID DEPTH STRATA DEPTH BLOW COUNTS (%) PID DEPTH COUNTS (%) PID DEPTH DEPTH DEPTH COUNTS (%) PID DEPTH DEPTH DEPTH DEPTH DEPTH COUNTS (%) PID DEPTH DE			1	Jgc				_		140 lbs.			DRILLER:			grich
STRATA Depth STRATA Depth SUOW Picture Pict							FAL	L		30"			GEOLOGIST:		R. Murphy	
STRATA Depth STRATA Depth SUOW Picture Pict								* POC	KET F	PENETROMETE	⊢ R READIN	G	REVIEWED B	Y:	Tim Br	
DEPTH PRET STRATA DEPTH COUNTS (%) PID DESCRIPTION REMARKS Semples only collected to continue depth of saturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue depth of saturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue depth of saturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue depth of saturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue depth of saturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue depth of saturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue depth of saturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic information. Semples only collected to continue desturated conditions, see GS-24 for additional lithologic			s	AMPLE		Π			Т						((())	
Samples only collected to confirm depth of saturated conditions, see S-24 for additional lithologic information. S-24 for additional lithologic information.		STRATA		BL	.ow	l		l						(REMARKS
COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig. See nearby GS-24 boring log for additional lithologic information.	Samples only collected to confirm depth of saturated conditions, see GS-24 for additional lithologic information. Bentonite: 11 16-18 1, 2, 1, 3 100 ND ML. Gray CLAYEY Sil.T, trace organics (roots), very fine sand, very most. 18-20 2, 1, 3, 7 100 ND GM. Brown Sil.TY GRAVEL, some medium to coarse sand, wet. 10 slot, 2* S 40 PVC Scn 25-15 22-24 5, 3, 3, 3 20 ND ML. Brown very CLAYEY Sil.T, distant, wet.											Casing 2" Sch. 40 PVC Riser: 15'-0.5' Bentonite: 13'- 11' #0 (Ricci Bros.) Sand: 25'-13'				
See nearby GS-24 boring log for additional lithologic information.	-25									ML. Brown very CL	AYEY SILT,	dilatant, we	et.			
BORING NO.: MW-07-10	See ne	earby GS-2	24 borin	g log fo	or add	litiona	al lithol	ogic ir	form	ation.						
BORING NO.: MW-07-10																
														BOR	ING NO. : MW	-07-10

TEST BORING LOG URS Corporation BORING NO.: MW-07-10 PROJECT: **Hillcrest Area Site** SHEET: 2 OF 2 JOB NO.: 11175412.00000 **CLIENT: NYSDEC** PID SAMPLE DEPTH **MATERIAL** WELL REMARKS DIRECT/ HEAD-SPACE STRATA BLOW RECOVERY DEPTH FEET DESCRIPTION CONSTRUCTION COUNTS (%) 24-26 5, 3, 6, 7 50 ND End of boring at 26'. Sampled to 26', augered to 25'. -30 -35 -40 -45 -50 -55 COMMENTS: Boring advanced with a truck mounted Mobile B-57 rig. See nearby GS-24 boring log for additional lithologic information.

BORING NO.: MW-07-10

			T	Т	25				tion					ST BORIN	G LOG
	07/000 10							ra	tion			BORING NO.:			
	CT/PROJE	ECT LO	CATIC				ea Site					SHEET: 1 C)F 2		
CLIENT					NYSD										2.1000121.4272
	G CONTRA		:	-	Natur	e's wa			mental, Inc.	0005	TUDE	GROUND ELEV			3: 1009121.43733
	IDWATER		<u></u> . T				_	AS.	SAMPLER	CORE	TUBE	DATE STARTE		3/19/08	
3/20/08	TIME	LEV		TYI		TYP DIA.	_	SA 1/4"	Split Spoon 2"			DATE STARTE		3/19/08	
3/20/06	8:00	14.5	bgs	Open	noie	WT.		1/4	140 lbs.			DRILLER:	<u>. </u>	Steve Gir	narich
						FAL			30"			GEOLOGIST:		R. Murph	
								FT P	ENETROMETE	R READIN	ر رو	REVIEWED BY:		Tm B	- IS
			AMDLI					-··		TO THE PARTY		NEVIEWED DI		1 m Di	men_
DEPTH FEET	STRATA	DEPTH			l	OVERY %)	PID (ppm)				TERIAL RIPTION			WELL CONSTRUCTION	REMARKS
			•		•										•
0-		0-2	1, 4,	, 8, 9	2	25	ND		ML. Brown CLAYE	EY SILT, son	ne coarse s	and and fine gravel, trad	ce		8" Flushmount Casing
-5 —		2-4 4-6	15, 10 5, 4,	, 2, 2		30	ND ND								
		6-8	50	/1"		0	ND								2" Sch. 40 PVC Riser: 13'-0.5'
-10 —		8-10	4, 2,	, 2, 2	6	80	ND	5	sand, very moist.	WN CLAYEY	SIL1, trace	fine gravel and coarse	,		D. A. Sie Ol 444
_		10-12	11, 10	0, 9, 6		5	ND	(GM. Brown, SILTY	fine to coar	se GRAVEI	L, wet.			Bentonite: 9'-11'
_		12-14	13, 17	7, 7, 7	2	20	ND	(CL. Gray SILTY C	LAY, some f	ine gravel, ı	moist			
-15 —		14-16	4, 4,	, 3, 3	7	75	ND		CL. Gray brown SI zones.	ILTY CLAY,	moist with o	occasional wet siltier			
		16-18	7, 4,	, 2, 3	7	75	ND		SM. Light brown S gravel, wet. Occasi			ace coarse sand and fil ones.	ne		
-20 —	<u> WIWIW</u>	18-20	8, 8,	, 7, 7	8	30	ND	ı	ML. Light gray bro	wn SILT, tra	ce fine to co	parse gravel, wet.			#0 (Pivi Pvv)
_		20-22		1, 11, 2	Ę	50	ND		GM. Brown SILTY sand, wet	fine to coars	e GRAVEL	, some fine to coarse			#0 (Ricci Bros.) Sand: 28'-11'
		22-24	6, 18,	16, 15	6	80	ND		GM. Gray brown S sand, wet.	SILTY fine to	coarse GR	AVEL, some fine to coa	ırse		
-25									SP. Gray brown fir wet.	ne SAND, tra	ce coarse (gravel and coarse sand	,		
СОММІ	ENTS: Boi	ring adva	anced	with a	a truck	moun	ted Mo	bile	B-57 rig.						
									`						
													BOF	RING NO.: MV	V-07-11

		I	JRS	· Ca	4			ST BORING L	OG
						on	BORING NO.: M		
PROJEC	CT:		Hillcres	st Area Site	1		SHEET: 2 OF		
CLIENT	:		NYSDE	С			JOB NO.: 111754	112.00000	
DEPTH FEET	STRATA	DEPTH		RECOVERY	PID DIRECT/ HEAD-	MATER DESCRIPT		WELL CONSTRUCTION	REMARKS
			COUNTS	(%)	SPACE				
		24-26	5, 3, 3, 2	50	ND				10 slot, 2" Sch. 40 PVC Screen: 28'-13'
-		26-28	3, 7, 11, 13	0	ND				20 10
-	······					ML. Brown dilatant SILT, wet.			
-		28-30	7, 6, 7, 8	75	ND	,			
-30 —						End of boring at 30'. Sampled to 30	' augered to 28'.		
+ 1									
-									
4 1									
25									
-35 —									
1									
-									
-									
4 1									
-40 —									
-40									
1 1									
-									
-									
-									
-45 —									
,									
]]									
1 1									
-									
4 1									
-50 —									
1									
-									
-									
-55 —									
COMM	ENTS: Da	ring od	anced with a	truck marin	atod Mak:	lo P 57 ria			
COMM		ring adv	anced with a	a truck mour	itea Mobi	ıе b-э/ пg.			
								BORING NO.: MW	-07-11

					Ţ	ÚĮ;	S	C	orpoi	ration			BORING NO. :		BORING	LOG
PROJE	CT/	/PR	OJE	CT LO					ea Site					OF 2		
CLIENT				.01 20			NYSE						JOB NO.: 11	_	0000	
BORING		· ON	TD/	ACTOR					av Enviro	onmental, Inc.						:1009923.47349
GROUN							- Tutui		CAS		CORE	TUBE			901.5	, 1000020. 170 10
DATE		TIM		LEV	/EI	TYF	DE	TYP				TOBE	DATE START		3/13/08	
3/13/08		14:0		_				DIA.	_		-		DATE FINISHI		3/13/08	
3/13/08	<u> </u>	14.0		16.0)' bgs	Open	noie			140 lbs.	+		DRILLER:		Steve Ging	rich
	_			+-	-+		-	WT.		30"	+		GEOLOGIST:		R. Murphy	
	<u> </u>			+	-			FAL			<u> </u>		-		100000000000000000000000000000000000000	100
	<u> </u>		_				igspace	<u> </u>	* POCKE	T PENETROMETE	ER READIN	IG	REVIEWED B	Y:	Tim Br	nen
DEPTH				S	SAMPL						MA ⁻	TERIAL			WELL	DEMARKO
FEET	SI	TRA	TA	DEPTH	1	LOW	ı	OVERY				RIPTION		CON	ISTRUCTION	REMARKS
	_						(%)	(ppm)							
0																
١	:									ML. Dark brown s	ilty topsoil, tra	ice gravel, i	moist.		X X I	8" Flushmount Casing
1 1				0-2	2, 3,	, 2, 5	4	40	ND	ML. Brown SILT,	some fine sar	nd, gravel, t	race clay, moist.		\bowtie	3
ML. Brown SILT, some fine gravel, moist.																
4 1	2-4 5, 3, 3, 7 5 ND ML. Brown SILT, some fine gravel, moist.															
	2-4 5, 3, 3, 7 5 ND															
_	GM. Brown SILTY GRAVEL, some coarse sand, trace cobble, dry with occasional damp zones.															
-5	-5 — SM. Brown SIL1Y GRAVEL, some coarse sand, trace cobble, dry with occasional damp zones.															
1 1	⊠	⊠	⊠							1					\bowtie	
-	⊠ 	⊠	⊠ 	6-8	9, 12,	10, 14		15	ND						\bowtie	
4	⊠ 	⊠	⊠		<u> </u>					-					\bowtie	2" Sch. 40 PVC
	⊠ . I	⊠ 	⊠ 												$\otimes \otimes \Box$	Riser: 16'-0.5'
40	⊠ ⊠	⊠ ⊠	⊠ ⊠	8-10		14, 19, 33	2	25	ND							
-10 —	⊠ ⊠]					\bowtie	
-		 ⊠		10-12	28, 43	3, 50/5"	2	20	ND						$\otimes \otimes \square$	
	 Ø		 Ø							_						
4 1	⊠			12-14	7 25	22 34		30	ND							Bentonite: 12'-
	 X	⊠	 ⊠	12-14	7, 25,		`		IND							14'
45	⊠	×	⊠	ı					ĺ							
-15 —	Ø	×	×	14-16	5, 12,	23, 41		50	ND							
	⊠	⊠	⊠													
	⊠ · ·	⊠	⊠ 	16-18	50	0/5"	:	20	ND							
4 1	⊠ -⊠		× ×		<u> </u>											
	⊠							_		GM. Brown SILTY	coarse SANI	D and GRA	VEL, wet.			
	⊠	⊠	⊠	18-20	6, 5,	, 7, 4		5	ND							
-20 —	<u> </u>	N	<u> </u>							GM. Brown SILTY	fine to coars	e GRAVEL	, some coarse sand, v	vet.		#0 (Ricci Bros.) Sand: 31'-14'
	⊠ ⊠	⊠ ⊠	⊠ ⊠	20-22	4, 5,	, 5, 5	2	25	ND							Cana. OT TT
	₩ •									GW. Brown fine to	n coarse GRA	VEL and co	narse SAND wet			
4	 			22-24	5.8	, 7, 6		25	ND	OW: Brown line to	7 COCHOC CITY	VEE and or	ourse critiz, wet			
		·			3, 0,	, <i>r</i> , o	<u> </u>		IND							
		; ; ;		1												
-25 —			' '		'		ı	'	1	•					1	
	<u> </u>															1
COMMI	ΞN٦	TS: —	Bor	ing adv	anced	with a	truck	moun	ited Mobi	ile B-57 rig.						
	—															
														DODINO		20
														BORING	NO.: MW	-28

		T	JRS	· Carra	41			SI BORING L	OG
						on ————————————————————————————————————	BORING NO. : M		
PROJEC				st Area Site			SHEET: 2 OF		
CLIENT:	:		NYSDE	EC .	DID.		JOB NO. : 111754	\$12.00000 	
DEPTH FEET	STRATA	DEPTH	BLOW COUNTS	RECOVERY (%)	PID DIRECT/ HEAD- SPACE	MATER DESCRIPT		WELL CONSTRUCTION	REMARKS
٦	<u> </u>	24-26	8, 7, 8, 4	25	ND	ı			10 slot 2" Sch
4		27 20	0, 7, 0, 4	20	IND				10 slot, 2" Sch. 40 PVC Screen: 31'-16'
		26-28	4, 5, 4, 5	0	ND				31-10
_		28-30	3, 4, 4, 8	25	ND				
-30 —		30-32	7, 15, 11, 9	50	ND	SP. Brown fine SAND, some coarse ML. Brown SILT, wet.	sand and fine gravel, wet.		
-						End of boring at 32'. Sampled to 32	', augered to 31'.		
-35 —									
_									
-									
-40 —									
-									
-									
-45 —									
-									
-									
-50 —									
-									
_									
-55 —									
СОММ	ENTS: Box	ring adv	anced with a	truck moun	nted Mohi	le B-57 ria			
		g uuve	WILL C						
								BORING NO.: MW	'-28