



February 15, 2006

Mr. James Maggio
Maggio Data Printing, Ltd.
1735 Express Drive North
Hauppauge, N.Y. 11788

Re: Limited Phase II Subsurface Investigation
1735 Express Drive North
Hauppauge, N.Y. 11788
Hillmann Job #: N6-1589

Dear Mr. Maggio:

As requested, Hillmann Environmental Group L.L.C. (Hillmann) has completed a limited Phase II subsurface investigation and Ground Penetrating Radar (GPR) survey at 1735 Express Drive North, Hauppauge, NY. Field activities occurred on January 12, 2006, January 31, 2006 and February 1, 2006. The purpose of this investigation was to determine if the presence of a former Underground Storage Tank, (UST), septic leach field and/or prior site activities may have resulted in environmental contamination on the property.

Background

Hillmann performed a Phase I Environmental Site Assessment (ESA) for the site on January 10, 2006. The ESA identified a 2,000-gallon UST on the property that was reportedly cleaned, filled and closed in place on July 30, 1992. No soil or groundwater analytical results were on record with the applicable regulatory agencies. The ESA identifies AFTA Chemical Corporation as a previous tenant on the property. AFTA was issued violation notices from the Suffolk County Department of Health (DOH) and New York State Department of Environmental Conservation (NYSDEC) on August 11, 1980 and September 8, 1981 regarding the discharge of industrial wastes to the groundwater without a valid state permit and not possessing proper certificates for holding tanks and storage areas. AFTA stored and utilized "cleaning products including organic solvents." An internal memo from the Suffolk County Office of Pollution Control sent to the DOH dated October 14, 1997 was reviewed in the ESA. The memo details the past dumping of chemicals on the site including "anhydrous ethyl alcohol, 'carsi wash', press wash, varnelene, alcohol, motor oil, transmission fluids, camera solutions, 'tint' and hydraulic fluid." It is possible some of the historic dumping of chemicals on site could have been through the septic system, which may have impacted the septic leach field.

Scope of Work

Hillmann conducted a geophysical survey with ground penetrating radar (GPR) on the property to determine the location of the 2,000-gallon underground storage tank (UST) that is present at the

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site. GPR is applied by transmitting signals into the subsurface. Subsurface structures and other forms of interference deflect the signals. The GPR survey is non-invasive. Data is collected in the form of anomalies that represent the subsurface interference. These anomalies are likely to identify the shape of a subsurface structure, however, interfering factors may limit the accuracy and cause inconclusive results. Such interfering factors include conglomerated soil media (e.g., rocks, bricks, construction debris, etc.), soil moisture, re-bar in foundation, and vibration caused by nearby construction activities. The depth of penetration in ideal conditions is 8-12 feet BGS.

Hillmann advanced subsurface borings in selected areas of the subject site using direct push boring equipment (a/k/a Geoprobe®) on January 12, 2006 and February 1, 2006. The Geoprobe® unit consists of a vehicle-mounted hydraulic ram that forces a four foot long barrel shaped probe into the ground with a pneumatic hammer. The probes collected continuous 4-foot sections of earth within acetate liners to be examined for contamination and extract soil samples for laboratory analysis. Four borings, B1(a) through B4(a) were advanced to a depth of 16 feet below ground surface (bgs) each in the vicinity of the septic leach field on January 12, 2006. A temporary well point was installed in B3(a) to facilitate collection of a groundwater sample. Six borings, B1 through B6, were advanced on February 1, 2006. B1 and B6 were advanced to 20 feet bgs with a temporary well installed in B1 to facilitate collection of groundwater samples. B2 through B5 were advanced to 16 feet bgs.

All soil and groundwater samples were analyzed for Volatile Organic Compounds, (VOC's), Base Neutral (BN) compounds, Priority Pollutant Metals (PP Metals) and PCB's at an accredited laboratory and compared to applicable New York state standards.

Field Investigations

The GPR survey identified the location of the abandoned in place 2,000-gallon UST on the southeast side of the building. Borings B1 and B2 were advanced in the vicinity of the UST with groundwater collected from B1. Borings B1(a) through B4(a) were advanced in the vicinity of the grass septic leach field in the front of the building. Groundwater was collected from B3(a). Borings B3 and B4 were advanced in the back of the building and Borings B5 and B6 were advanced in the driveway on the east side of the site. A temporary well was installed in B4, however, no water was able to be recovered. Samples from borings advanced within the leach field were collected at 8 – 10 feet bgs. B1 and B6 were sampled at 19-20 bgs and B2 – B5 were sampled at approximately 16 feet bgs.

A site plan and boring logs are included in the appendices of this report.

Results

Soil Sample Analytical Results

Sample #	B1	B2	B3	B4	B5	B6	Standards
Compounds							
<i>Antimony</i>	<2.0	<2.1	<2.0	<2.0	<2.1	<2.1	N/A
<i>Arsenic</i>	<2.0	2.3	2.5	<2.0	<2.1	2.4	7.5
<i>Beryllium</i>	<0.51	<0.52	<0.50	<0.49	<0.51	<0.52	0.16
<i>Cadmium</i>	<0.51	<0.52	<0.50	<0.49	<0.51	<0.52	1
<i>Chromium</i>	6.2	7.9	7.5	5	15.1	8.3	10

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Copper	8.2	7.7	6.3	6.3	9.8	6.1	25
Lead	9.6	4.1	3.4	3.6	3	2.9	N/A
Mercury	<0.032	<0.032	<0.033	<0.033	<0.031	<0.033	0.1
Nickel	6.9	6.4	6.4	4.9	6.9	6.1	13
Selenium	<2.0	<2.1	<2.0	<2.0	<2.1	<2.1	2
Silver	<1.0	<1.0	<1.0	<0.99	<1.0	<1.0	N/A
Thallium	<1.0	<1.0	<1.0	<0.99	<1.0	<1.0	N/A
Zinc	31.5	13.8	14.9	9.8	15.8	13.6	20
Acenaphthene	ND	ND	ND	0.0497 J	ND	0.0479	50
Anthracene	ND	ND	ND	0.0717	ND	0.104	50
Benzo(a)anthracene	0.0147 J	0.177	ND	0.185	0.0286 J	0.375	.224
Benzo(a)pyrene	ND	0.167	ND	0.177	0.0262 J	0.375	0.061
Benzo(b)fluoranthene	ND	0.227	ND	0.203	0.0401 J	0.45	1.1
Benzo(g,h,i)perylene	ND	0.0531 J	ND	0.0633 J	ND	0.14	50
Benzo(k)fluoranthene	ND	0.0732	ND	0.14	ND	0.442	1.1
bis(2-Ethylhexyl)phthalate	ND	0.0354 J	ND	ND	ND	ND	50
Carbazole	ND	0.0509 J	ND	0.0591 J	ND	0.126	N/A
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.0517 J	0.014
Dibenzofuran	ND	ND	ND	0.055 J	ND	0.022 J	6.2
Chrysene	0.0232 J	ND	ND	0.243	0.0368 J	0.434	0.4
Fluoranthene	0.0397 J	0.532	ND	0.636	0.108	1.1	50
Fluorene	ND	0.0285 J	ND	0.0889	ND	0.0554 J	50
Indeno(1,2,3-cd)pyrene	ND	0.0697 J	ND	0.0719	ND	0.131	3.2
Phenanthrene	0.0235 J	0.339	ND	0.583	0.0495 J	0.669	50
Pyrene	0.0378 J	0.424	ND	0.512	0.105	1.01	50
Tetrachloroethene	ND	0.00084 J	ND	ND	ND	ND	1.4

Sample #	B1(a)	B2(a)	B3(a)	B4(a)	Standards
Compounds					
Antimony	<2.1	<2.1	<2.2	<2.2	N/A
Arsenic	<2.1	<2.1	2.6	<2.2	7.5
Beryllium	<0.52	<0.54	<0.55	<0.55	0.16
Cadmium	<0.52	<0.54	<0.55	<0.55	1
Chromium	5.9	9.7	9.4	13.3	10
Copper	5	8.4	9.7	8.9	25
Lead	3.2	4.3	4.1	5.1	N/A
Mercury	<0.034	<0.035	<0.035	<0.035	0.1
Nickel	<4.2	8.8	11.4	8.3	13
Selenium	<2.1	<2.1	<2.2	<2.2	2
Silver	<1.0	<1.1	<1.1	<1.1	N/A
Thallium	<1.0	<1.1	<1.1	<1.1	N/A
Zinc	9.1	21.8	22.3	21.7	20
Carbon disulfide	ND	ND	ND	0.00096 J	2.7

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Groundwater Sample Analytical Results

Sample #	B3(a)	B1-GW	Standards
Date Sampled	1/12/2006	2/1/2006	
Compounds			
<i>Antimony</i>	<50	<30	6
<i>Arsenic</i>	310	224	50
<i>Beryllium</i>	34.1	35.8	N/A
<i>Cadmium</i>	<40	<20	10
<i>Chromium</i>	1770	924	50
<i>Copper</i>	1200	1000	1,000
<i>Lead</i>	606	547	50
<i>Mercury</i>	<0.80	0.99	1.4
<i>Nickel</i>	1390	913	100
<i>Selenium</i>	<50	<50	10
<i>Silver</i>	<100	<50	50
<i>Thallium</i>	<100	<50	8
<i>Zinc</i>	2610	4050	5,000
<i>1,4 Dichlorobenzene</i>	18.1 J	ND	3
<i>Chlorobenzene</i>	0.44 J	ND	5
<i>1,1 Dichloroethane</i>	0.54 J	ND	5
<i>cis-1,2-Dichloroethene</i>	5.1	ND	N/A
<i>Ethylbenzene</i>	0.29 J	ND	N/A
<i>Toluene</i>	0.85 J	ND	N/A
<i>Vinyl chloride</i>	15.1	ND	2
<i>Xylene (total)</i>	0.63 J	ND	5

Notes:

ND = Not Detected

NA = Not Applicable

J = Estimated Value

Bold Print = Value Exceeded Standard

Only those compounds detected are present

Soil Parameters Reported in Parts Per Million (PPM)

Groundwater Parameters Reported in Parts Per Billion (PPB)

Conclusions and Recommendations

Beryllium and Selenium concentrations were detected slightly above current TAGM 4046 standards in all four of the borings advanced in the leach field. Zinc was above standards in three of the four borings, B2(a) – B4(a), advanced in the leach field. Beryllium and Selenium were detected slightly above standards in the majority of the remaining borings advanced around the perimeter of the property. Zinc was also slightly above standards in B1.

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Groundwater collected from Boring B1 also contained elevated levels of metals above TAGM standards. However, the laboratory results state "elevated sample detection limit due to difficult sample matrix". Therefore the compounds detected above standards could be attributed to laboratory error.

Slightly elevated levels of PAH compounds were detected in Boring B6; which was advanced in the parking area very near the Long Island Expressway service road. The slightly elevated levels of PAH compounds may be attributed to runoff from the heavy use highway in close proximity to the site.

Based on the above information, the slightly elevated levels of Beryllium, Selenium and Zinc may be attributed to "normal background levels" for this site. Groundwater analysis from B3(a) in the leach field indicated elevated levels of metals and two VOC compounds (1,4 Dichlorobenzene and Vinyl Chloride) above standards which may be attributed to the past storage and/or use of chemicals on the site. The past release of chemicals on site was noted by the NYSDEC and DOH in 1980 and 1981, and by the Suffolk County Office of Pollution Control and DOH in 1997.

Based on the above information, Hillmann did not find any evidence that the abandoned UST on site has impacted the soil or groundwater. Hillmann recommends filing a Freedom Of Information Act (FOIA) request to the DOH and NYSDEC to ascertain the specifics of the chemical releases on the site and the follow up responses of the regulatory agencies. Additional borings may be recommended pending the results of the FOIA request.

Should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

HILLMANN ENVIRONMENTAL GROUP, L.L.C.



Christopher Hirschmann
Environmental Scientist



David Umbach
Project Manager / Geologist

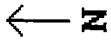
Attachments

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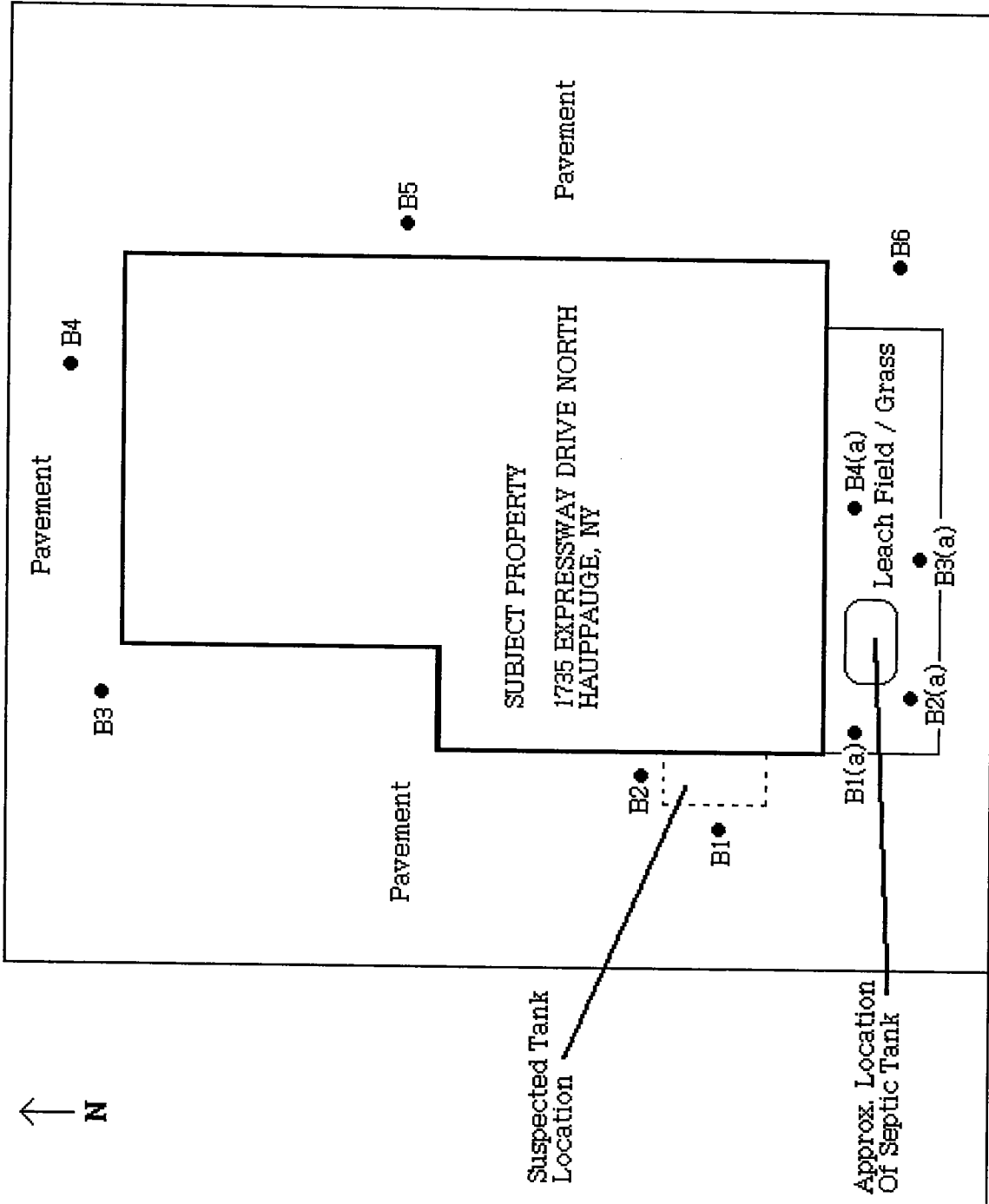
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SITE DIAGRAM



Hillmann Environmental Group
Boring Locations
1735 Expressway Drive North
Hauppauge, N.Y.
Project #: N6-1589
Drawn By: Chris Hirschmann
Date: 2/8/06
Diagram Not To Scale



Expressway Drive North

SUMMARY OF ANALYTICAL RESULTS

N6-1589

Summary of Soil Analytical Data from Second Sampling Event (Feb. 1, 2006)
 Maggio Data Printing, Ltd. 1735 Expressway Drive North, Hauppauge, New York 11788

Sample #	B1	B2	B3	B4	B5	B6	Standards
Compounds							
<i>Antimony</i>	<2.0	<2.1	<2.0	<2.0	<2.1	<2.1	N/A
<i>Arsenic</i>	<2.0	2.3	2.5	<2.0	<2.1	2.4	7.5
<i>Beryllium</i>	<0.51	<0.52	<0.50	<0.49	<0.51	<0.52	0.16
<i>Cadmium</i>	<0.51	<0.52	<0.50	<0.49	<0.51	<0.52	1
<i>Chromium</i>	6.2	7.9	7.5	5	15.1	8.3	10
<i>Copper</i>	8.2	7.7	6.3	6.3	9.8	6.1	25
<i>Lead</i>	9.6	4.1	3.4	3.6	3	2.9	N/A
<i>Mercury</i>	<0.032	<0.032	<0.033	<0.033	<0.031	<0.033	0.1
<i>Nickel</i>	6.9	6.4	6.4	4.9	6.9	6.1	13
<i>Selenium</i>	<2.0	<2.1	<2.0	<2.0	<2.1	<2.1	2
<i>Silver</i>	<1.0	<1.0	<1.0	<0.99	<1.0	<1.0	N/A
<i>Thallium</i>	<1.0	<1.0	<1.0	<0.99	<1.0	<1.0	N/A
<i>Zinc</i>	31.5	13.8	14.9	9.8	15.8	13.6	20
<i>Acenaphthene</i>	ND	ND	ND	0.0497 J	ND	0.0479	50
<i>Anthracene</i>	ND	ND	ND	0.0717	ND	0.104	50
<i>Benzo(a)anthracene</i>	0.0147 J	0.177	ND	0.185	0.0286 J	0.375	.224
<i>Benzo(a)pyrene</i>	ND	0.167	ND	0.177	0.0262 J	0.375	0.061
<i>Benzo(b)fluoranthene</i>	ND	0.227	ND	0.203	0.0401 J	0.45	1.1
<i>Benzo(g,h,i)perylene</i>	ND	0.0531 J	ND	0.0633 J	ND	0.14	50
<i>Benzo(k)fluoranthene</i>	ND	0.0732	ND	0.14	ND	0.442	1.1
<i>bis(2-Ethylhexyl)phthalate</i>	ND	0.0354 J	ND	ND	ND	ND	50
<i>Carbazole</i>	ND	0.0509 J	ND	0.0591 J	ND	0.126	N/A
<i>Dibenzo(a,h)anthracene</i>	ND	ND	ND	ND	ND	0.0517 J	0.014
<i>Dibenzofuran</i>	ND	ND	ND	0.055 J	ND	0.022 J	6.2
<i>Chrysene</i>	0.0232 J	ND	ND	0.243	0.0368 J	0.434	0.4
<i>Fluoranthene</i>	0.0397 J	0.532	ND	0.636	0.108	1.1	50
<i>Fluorene</i>	ND	0.0285 J	ND	0.0889	ND	0.0554 J	50
<i>Indeno(1,2,3-cd)pyrene</i>	ND	0.0697 J	ND	0.0719	ND	0.131	3.2
<i>Phenanthrene</i>	0.0235 J	0.339	ND	0.583	0.0495 J	0.669	50
<i>Pyrene</i>	0.0378 J	0.424	ND	0.512	0.105	1.01	50
<i>Tetrachloroethene</i>	ND	0.00084 J	ND	ND	ND	ND	1.4

Notes:

ND = Not Detected

NA = Not Applicable

J = Estimated Value

Bold Print = value exceeded standard

Only those compounds detected are presented

All parameters in ppm (mg/kg)

Standards from NYS TAGM 4046

N6-1589

Summary of Soil Analytical Data from First Sampling Event (Jan 12, 2006)

Maggio Data Printing, Ltd. 1735 Expressway Drive North, Hauppauge, New York 11788

Sample #	B1(a)	B2(a)	B3(a)	B4(a)	Standards
Compounds					
<i>Antimony</i>	<2.1	<2.1	<2.2	<2.2	N/A
<i>Arsenic</i>	<2.1	<2.1	2.6	<2.2	7.5
<i>Beryllium</i>	<0.52	<0.54	<0.55	<0.55	0.16
<i>Cadmium</i>	<0.52	<0.54	<0.55	<0.55	1
<i>Chromium</i>	5.9	9.7	9.4	13.3	10
<i>Copper</i>	5	8.4	9.7	8.9	25
<i>Lead</i>	3.2	4.3	4.1	5.1	N/A
<i>Mercury</i>	<0.034	<0.035	<0.035	<0.035	0.1
<i>Nickel</i>	<4.2	8.8	11.4	8.3	13
<i>Selenium</i>	<2.1	<2.1	<2.2	<2.2	2
<i>Silver</i>	<1.0	<1.1	<1.1	<1.1	N/A
<i>Thallium</i>	<1.0	<1.1	<1.1	<1.1	N/A
<i>Zinc</i>	9.1	21.8	22.3	21.7	20
<i>Carbon disulfide</i>	ND	ND	ND	0.00096 J	2.7

Notes:

ND = Not Detected

NA = Not Applicable

J = Estimated Value

Bold Print = value exceeded standard

Only those compounds detected are presented

All parameters in ppm (mg/kg)

N6-1589

Summary of Groundwater Analytical Data

Maggio Data Printing, Ltd. 1735 Expressway Drive North, Hauppauge, New York 11788

Sample #	B3(a)	B1-GW	Standards
Date Sampled	1/12/2006	2/1/2006	
Compounds			
<i>Antimony</i>	<50	<30	6
<i>Arsenic</i>	310	224	50
<i>Beryllium</i>	34.1	35.8	N/A
<i>Cadmium</i>	<40	<20	10
<i>Chromium</i>	1770	924	50
<i>Copper</i>	1200	1000	1,000
<i>Lead</i>	606	547	50
<i>Mercury</i>	<0.80	0.99	1.4
<i>Nickel</i>	1390	913	100
<i>Selenium</i>	<50	<50	10
<i>Silver</i>	<100	<50	50
<i>Thallium</i>	<100	<50	8
<i>Zinc</i>	2610	4050	5,000
<i>1,4 Dichlorobenzene</i>	18.1 J	ND	3
<i>Chlorobenzene</i>	0.44 J	ND	5
<i>1,1 Dichloroethane</i>	0.54 J	ND	5
<i>cis-1,2-Dichloroethene</i>	5.1	ND	N/A
<i>Ethylbenzene</i>	0.29 J	ND	N/A
<i>Toluene</i>	0.85 J	ND	N/A
<i>Vinyl chloride</i>	15.1	ND	2
<i>Xylene (total)</i>	0.63 J	ND	5

Notes:

ND = Not Detected

NA = Not Applicable

J = Estimated Value

Bold Print = value exceeded standard

Only those compounds detected are presented

All parameters in ppm (mg/kg)

Standards from NYS TAGM 4046

SOIL BORING LOGS

HILLMANN ENVIRONMENTAL GROUP, L.L.C.
RECORD OF SUBSURFACE EXPLORATION

TEST NO: B6 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
 CLIENT: Maggio Data Printing, Ltd. DATE START: 2/1/2006
 PROJECT: Limited Subsurface Investigation DATE COMPLETE: 2/1/2006
 LOCATION: 1735 Expressway Drive North DRILLING METHOD: Direct Push
Hauppauge, NY RIG TYPE: Geoprobe
 HILLMANN PROJECT NO: N6-1589 TEST METHOD:
 DRILLER: Team Drilling SURFACE ELEVATION:
 HILLMANN REP: Chris Hirschmann TERMINATION DEPTH: 20 ft.

GROUNDWATER DATA		
DEPTH (FT.) BGS	ELEV. (FT.) MSL	TIME
N/A	N/A	D-
		C-
PRODUCT-		
GW-		
D=DURING DRILLING, C=COMPLETION		

DEPTH (FEET)	SAMPLE					DESCRIPTION	PID READING (PPM)	DEPTH (FEET)
	DEPTH (FEET)	NO.	REC. INCH	BLOW/6"	N			
0			24			4 in. - Through Asphalt		0
						20 in. - Moist, Tan Clay w/ Black Organic Soil		4
5			40			20 in. - Moist, Tan Clay w/ Black Organic Soil		5
						20 in. - Tan Sandy Clay		8
0			40			30 in. - Tan Sandy Clay		10
						10 in. - Orange/Tan Clay w/ White Rocks & Black Streaks		12
5			36			2 in. - Cave-in		15
						14 in. - Tan/Orange Clayey Sand		16
						2 in. - White Rocks		
						18 in. - Green/Tan Clayey Sand		
0			40			40 in. - Tan Fine Grain Sand		20
						** SAMPLED @ 20ft.		