80 B Air Park Drive, Ronkonkoma, New York 11779 Log of SB-1 Depth to Water Site Elevation Datum Client: (ft. from measuring pt.) approximately 25 feet Verizon New York, Inc. DTW above mean sea level Site Name: Address: Date 555 W. 34th St., New York, NY NM NM West 34th Street Facility Ground Elevation Method: Drilling Company: Associated Environmental Services, Ltd. Hand Geoprobe NM Date Completed: Date Started: Measuring Point Elevation 6/3/2005 6/3/2005 ENVIROTRAC Geologist: NM Completion Depth: 6.5 feet (from elevator shaft grade) Jeff Bohlen SAMPLES Well DEPTH Blow SOIL DESCRIPTION Construction (ft. below Reco-OVM (NTS) grade) per (in.) 6 in. (ppm) 0' - 6.5' (drilled with Hand Geoprobe) 432 0 NA NA 0' - 8" - Concrete. 8" - 6.5' - Medium to coarse grained brown to grey sand and angular gravel saturated with oil from approximately 8 inches to 2.5 feet. Soil No Well Installed 5 sample collected from 3.5 to 5.5 feet. Refusal at 6.5 feet. Ground-water sample collected at 6 feet; slight sheen and odor, slow recharge. 10 15 20 25 30 35 40 LEGEND: Native Material Bentonite

Top/End Cap NTS - Not to Scale NM - Not Measured NA - Not Applicable DTW - Depth to Water

Cement

Screen

Morie Silica

Well Construction Details

Bottom of Well: Screen Zone:

Screen material: Casing material:

Gravel Pack:



80 B Air Park Drive, Ronkonkoma, New York 11779 Log of SB-2 Depth to Water Site Elevation Datum Client: approximately 25 feet (ft. from measuring pt.) Verizon New York, Inc. Date DTW above mean sea level Address: Site Name: West 34th Street Facility
Drilling Company: NM 555 W. 34th St., New York, NY NM Ground Elevation Method: NM Associated Environmental Services, Ltd. Hand Geoprobe Date Completed: Date Started: Measuring Point Elevation 7/28/2005 7/28/2005 ENVIROTRAC Geologist: NM Completion Depth: 2 feet (from elevator shaft grade) Mike Alliegro SAMPLES DEPTH Well SOIL DESCRIPTION Construction (ft. below Reco-Blow OVM grade) (NTS) very per (in.) 6 in (ppm) 0' - 2' (drilled with Hand Geoprobe) NA 113 NA 0 Fine grained brown to black sand. Moist, slight odor. Soil sample collected from 0 to 2 feet. Refusal at 2 feet. No Well Installed 5 10 15 20 25 30 35 40 LEGEND: Native Material Bentonite Well Construction Details Cement Bottom of Well: Screen Zone: Morie Silica Screen material: Casing material: Screen Gravel Pack:

Envirolrac

80 B Air Park Drive, Ronkonkoma, New York 11779 Log of SB-3 Site Elevation Datum Depth to Water Client: approximately 25 feet (ft. from measuring pt.) Verizon New York, Inc. Date DTW above mean sea level Address: Site Name: West 34th Street Facility
Drilling Company: NM NM 555 W. 34th St., New York, NY **Ground Elevation** Method: NM Associated Environmental Services, Ltd. Hand Geoprobe Date Started: Date Completed: Measuring Point Elevation 7/28/2005 7/28/2005 NM Completion Depth: ENVIROTRAC Geologist: Mike Alliegro 2 feet (from elevator shaft grade) SAMPLES Well DEPTH SOIL DESCRIPTION Construction (ft. below Reco-Blow OVM (NTS) grade) very per (in.) 6 in (ppm) 127 0' - 2' (drilled with Hand Geoprobe) NA NΑ 0 Fine grained brown to black sand some fill material. Dry, odor. Soil sample collected from 0 to 2 feet. Refusal at 2 feet. No Well Installed 5 10 15 20 25 30 35 40 LEGEND: Native Material Bentonite Well Construction Details Cement Bottom of Well: Morie Silica Screen Zone:

Envirolrac

DTW - Depth to Water

Screen

Screen material: Casing material:

Gravel Pack:

		80 1	B Air Park		Ronkonkoma, N	New York 1	1779	
					.0g 01 3D-4	Donth to	o Motor	Site Floration Datum
Client:						Depth to		Site Elevation Datum
Verizon New York,	Inc.					(ft. from me		approximately 25 feet
Site Name:			Address:			Date	DTW	above mean sea level
West 34th Street F	acility		555 W. 34th	n St., Ne	w York, NY	NM	NM	
Drilling Company:			Method:			]		Ground Elevation
Associated Environ	mental Service	ces. Ltd.	Hand Geop	robe				NM
Date Started:	mentar cervi	oo, Eta.	Date Comp			1		
7/28/2005			7/28/2005	iotou.				Measuring Point Elevation
			ENVIROTE	AC Go	ologiet:	1		NM
Completion Depth:		1-1			Jiogist.			
4.5 feet (from eleva		ie)	Mike Alliegr					
Well	DEPTH		SAMPLES					201
Construction	(ft. below	Reco-	Blow			SOI	L DESCRIPT	ION
(NTS)	grade)	very	per	OVM				
,	,	(in.)	6 in.	(ppm)				
No Well Installed	5	NA	NA NA	43	0' - 4.5' (drilled v Medium to fine s slight odor. Soil	grained brown	to black san	d some fill material. Dry, 4.5 feet. Refusal at 4.5 feet.
LEGEND:	-							
Native Materia	al							
Bentonite  Cement					Well Constructi	on Details		
Morie Silica					Bottom of Well: Screen Zone:			
Screen					Screen materia Casing materia			
Ton/End Con					Gravel Pack:			

NA - Not Applicable DTW - Depth to Water



80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-5 Site Elevation Datum Client: Depth to Water approximately 25 feet (ft. from measuring pt.) Verizon New York, Inc. Address: Date DTW above mean sea level Site Name: 555 W. 34th St., New York, NY NM NM West 34th Street Facility Ground Elevation Drilling Company: Method: NM Hand Geoprobe Associated Environmental Services, Ltd. Date Started: Date Completed:

7/28/2005			7/28/2005					Measuring Point Elevation
Completion Depth:			ENVIROTR		ologist:			NM
8 feet (from elevato			Mike Alliegro	)				
Well	DEPTH	Dana	SAMPLES			201	I DESCRIPT	TON
Construction (NTS)	(ft. below grade)	Reco- very	Blow per	оум		301	L DESCRIPT	ION
(1413)	grade)	(in.)	6 in.	(ppm)				
No Well Installed	0	NA NA	NA NA	98 512	slight odor. Soil s  4' - 8' (drilled with Medium to fine gr	m grained bro cample collect n Hand Geop rained dark b 8 feet, strong	own to black sted from 0 to robe) brown sand tr g odor. Soil s	ace rock fragments. Wet ample collected from
LEGEND:								
Native Material								
Bentonite					Well Constructio	n Details		
Cement					Bottom of Well:			
Morie Silica					Screen Zone: Screen material:			
Screen					Casing material: Gravel Pack:			
NTS - Not to Scale		NINA	Not Measure	24	NA NA	ot Applicable		DTW - Depth to Water

Envirolrac

80 B Air Park Drive, Ronkonkoma, New York 11779 Log of SB-6 Site Elevation Datum Depth to Water Client: (ft. from measuring pt.) approximately 25 feet Verizon New York, Inc. above mean sea level Date DTW Address: Site Name: NM NM 555 W. 34th St., New York, NY West 34th Street Facility Ground Elevation Method: Drilling Company: NM Associated Environmental Services, Ltd. Hand Geoprobe Date Completed: Date Started: Measuring Point Elevation 7/28/2005 7/28/2005 ENVIROTRAC Geologist: Completion Depth: Mike Alliegro 2 feet (from elevator shaft grade) SAMPLES DEPTH Well SOIL DESCRIPTION Construction (ft. below Reco-Blow OVM (NTS) grade) very per (in.) 6 in (ppm) 0' - 2' (drilled with Hand Geoprobe) 77 NA NA 0 Fine grained brown to black sand trace fill material. Dry, slight odor. Soil sample collected from 0 to 2 feet. Refusal at 2 feet. No Well Installed 5 10 15 20 25 30 35 40 LEGEND: Native Material Bentonite Well Construction Details Cement Bottom of Well: Screen Zone: Morie Silica Screen material:

Top/End Cap DTW - Not Measured NA - Not Applicable DTW - Depth to Water

Screen

Casing material:

Gravel Pack:



80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-7 Depth to Water Site Elevation Datum Client: (ft. from measuring pt.)

Date DTW approximately 25 feet Verizon New York, Inc. Address: above mean sea level Site Name: West 34th Street Facility 555 W. 34th St., New York, NY NM NM **Ground Elevation** Drilling Company: Method: Associated Environmental Services, Ltd Hand Geoprobe Date Started: Date Completed:

7/28/2005			7/28/2005					Measuring Point Elevation
Completion Depth:			ENVIROTR		ologist:			NM
3 feet (from elevator			Mike Alliegro	)				
Well Construction (NTS)	DEPTH (ft. below grade)	Reco- very (in.)	SAMPLES Blow per 6 in.	OVM (ppm)		SOI	L DESCRIPT	TION
No Well Installed	0	NA	NA	92	<u>0' - 3'</u> (drilled with Medium to fine godor. Soil sample	rained brown	sand trace fi	Il material. Dry, t. Refusal at 3 feet.
LEGEND:								
Native Materia								
Bentonite					Well Constructio	n Details		
Cement					Bottom of Well:			
Morie Silica					Screen Zone: Screen material:			
Screen					Casing material: Gravel Pack:			
NTS - Not to Scale		NIM	Not Measure		NA N	ot Applicable		DTW - Depth to Water

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable



80 B Air Park Drive, Ronkonkoma, New York 11779

		80	B Air Park		.og of MW-1	New TOIK	11779	
Client:					og or wive-i	Depth t	o Water	Site Elevation Datum
Verizon New York, I	nc						easuring pt.)	approximately 25 feet
Site Name:	IIC.		Address:			Date	DTW	above mean sea level
West 34th Street Fa	cility		555 W. 34th	St Ne	w York NY	8/25/2005	24.25	
Drilling Company:	Cility		Method:	1 01., 140	W 101K, 141	0,20,2000	220	Ground Elevation
Aquifer Drilling & Te	estina Inc		Hollow Sten	n Auger	/Air Rotary			96.43 feet (relative)
Date Started:	oting, mo.		Date Compl		, and totally	1		,
6/22/2005			6/23/2005					Measuring Point Elevation
Completion Depth:			ENVIROTR	AC Geo	ologist:	1		95.97 feet (relative)
37.5 feet			Tom Bossh					•
MW-1	DEPTH	Г	SAMPLES					
Construction	(ft. below	Reco-	Blow	$\Box$		SOI	L DESCRIPT	ION
(NTS)	grade)	very	per	OVM				
(1413)	grade)	(in.)	6 in.	(ppm)				
<u> </u>	0 =	NA	NA	0	0' - 5' (pre-cleare Medium to fine g (concrete, brick,	rained brown	to dark brow	n sand and fill material odor.
	5	NM*	NM*	NM*	5' - 14' (drilled wi Medium to fine g Dry, no odor.			nd cobbles and gravel.
	15	NM*	NM*	NM*	14' - 17' (drilled v Boulder encount	ered from 14	to 17 feet. D	
	20	NM*	NM*	NM*	gravel. Wet at a	silty dark brov opproximately tered geology ck of drill cut	wn to reddish 24 feet, no or y, split-spoon tings during b	sand and cobbles and
LEGEND:								
Native Material								
Bentonite					Well Construction	on Details		
Cement					Bottom of Well:			
Morie Silica					Screen Zone: 37 Screen material		Schodulo 4	D PVC
Screen					Casing material			J 1 V O



Gravel Pack: Morie #2 Cement Surface

		80	B Air Park		Ronkonkoma, I	New York 1	1779	
Olicet					og of MW-2	Depth to	\Mater	Site Elevation Datum
Client:						(ft. from me		approximately 25 feet
Verizon New York, In Site Name:	IIC.		Address:			Date	DTW	above mean sea level
West 34th Street Fa	cility		555 W. 34th	St., Ne	w York, NY	8/25/2005	25.97	
Drilling Company:			Method:	,		1		Ground Elevation
Aquifer Drilling & Te	sting, Inc.		Hollow Stem		/Air Rotary	]		97.18 feet (relative)
Date Started:			Date Compl	eted:				
6/23/2005			6/27/2005	10.0	1			Measuring Point Elevation 96.69 feet (relative)
Completion Depth:			ENVIROTR.		ologist:			96.69 feet (relative)
36 feet	DEDTU		Tom Bossha SAMPLES	ard				
MW-2 Construction	DEPTH (ft. below	Reco-	Blow			SOII	DESCRIPT	ION
(NTS)	grade)	very	per	OVM		0011	- DECORUM 1	
(((10)	grade	(in.)	6 in.	(ppm)				
WW.	- <sub>0</sub> -	NA	NA	0	<u>0' - 8'</u> (pre-cleare	ad with Vactro	n)	
	⊢ " −	INA	INA	"				n sand and fill material
***********		1			(concrete, brick,			
		]						
1000	5 _							
	<b>⊢</b> −	NM*	NM*	NM*	8' - 14' (drilled w	ith Hollow Ste	m Augers)	
	⊢ –	INIVI	I INIVI	14101				nd cobbles and gravel.
	10 _	1			Dry, no odor.			•
		]						
					4.41 4.71 / drillod	with Air Doton	٨	
	├ <sub>15</sub>	NM*	NM*	NM*	14' - 17' (drilled Boulder encount	tered from 14	y) to 17 feet D	ry no odor
	├ <sup>'3</sup> -	1						. ,,
	<b>⊢</b> −	NM*	NM*	NM*	17' - 36' (drilled	with Hollow St	tem Augers)	
		]			Fine grained to	silty dark brow	n to reddish	sand and cobbles and
	20				gravel. Wet at a	pproximately 2	24 feet, no o	dor.
	<u> </u>	-						
	⊢ –	1						
	25 -	1	1					
		1						
					* Due to encoun	tered geology	, split-spoon	samples could not be
	L	-			not allow for soil	ck of drill cutt	ings auring b	orehole advancement did
	30 _	-			Tiot allow for soil	Sample collec	Cuon.	
	<b>⊢</b> −	1						
	F -	1						
	35	]		1				
	L -	4						
	├ <sub>40</sub> -	1						
	F 40 -	1						
	-							
LEGEND:								
Native Material								
Bentonite					Well Construction	on Details		
Cement					Bottom of Well:	36'		
Morie Silica					Screen Zone: 3			
H World Silica					Screen material	: 2" # 20 slot,	Schedule 4	0 PVC
Screen					Casing material Gravel Pack: M	: 2" Schedule	40 PVC	

Top/End Cap DTW - Depth to Water NA - Not Applicable NM - Not Measured NTS - Not to Scale

Gravel Pack: Morie #2 Cement Surface



80 B Air Park Drive, Ronkonkoma, New York 11779

	Log of MW-3			
Client:		Depth to	o Water	Site Elevation Datum
Verizon New York, Inc.		(ft. from me	easuring pt.)	approximately 25 feet
Site Name:	Address:	Date	DTW	above mean sea level
West 34th Street Facility	555 W. 34th St., New York, NY	8/25/2005	23.72	
Drilling Company:	Method:	1		Ground Elevation
Aquifer Drilling & Testing, Inc.	Hollow Stem Auger/Air Rotary			95.93 feet (relative)
Date Started:	Date Completed:			
6/27/2005	6/28/2005			Measuring Point Elevation
Completion Depth:	ENVIROTRAC Geologist:	1		95.68 feet (relative)
38 feet	Tom Bosshard/Frank Jiran	1		

0/2//2005			5/20/2003	100	lagiate			05.69 foot (rolative)
Completion Depth: 38 feet			ENVIROTR. Tom Bossha					95.68 feet (relative)
MW-3	DEPTH		SAMPLES	a. a// rai	Oli di i			
Construction	(ft. below	Reco-	Blow			SOI	L DESCRIPT	TION
(NTS)	grade)	very	per	OVM				
		(in.)	6 in.	(ppm)				
	5 10 15 20	NA NM*	NA NM*	0 NM*	(concrete, brick,  6' - 24' (drilled wi  Medium to fine g	rained brown wood) and gr ith Hollow Ste rained dark bencountered a	to dark brow ravel. Dry, no em Augers) brown sand a at 10 feet and	on sand and fill material odor.  Indicate the control of the contr
<b>▼</b>	30 35 35 40 40 40	NM*	NM*	NM*	approximately 25	ck encounterd feet, no odd tered geology ck of drill cutt	I from 24 feet or. /, split-spoon lings during b	t to 38 feet. Wet at samples could not be porehole advancement did
LEGEND:  Native Material Bentonite					Well Construction	on Details		
Cement  Morie Silica  Screen  Top/End Cap					Bottom of Well: Screen Zone: 38 Screen material Casing material: Gravel Pack: Mc Cement Surface	38' 3' - 13' : 2" # 20 slot : 2" Schedule orie #2		0 PVC

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable



80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-4

Client: Vertizon New York, Inc.  Address: (Rt. from measuring pt.) Date Norm Resuring pt.) Date Strivet Facility S55 W. 34th St., New York, NY Drilling Company: Method: Aguler Drilling & Testing, Inc. Date Started: Date Completed: CR282006 Completion Depth: Date Started: Date Completed: CR282006 Completion Depth: Frank, Jiran SAMPLES Completion Depth: Frank, Jiran SA					L	og of MW-4			
Size Name:   Address:   Address:   Both   Street Facility   S55 W. 34th St., New York, NY   B725/2005   26.33   Ground Elevation   95.22 feet (relative)   15.22 feet (relat	Client:								Site Elevation Datum
West 34th Street Facility  555 W. 34th St., New York, NY Aguifer Drilling & Testing, Inc. Hollow Stem Auger Date Started: Date Completed: 6/28/2005  6/29/		nc.							
Delling Company Aquier Driling & Testing, Inc. Date Started: Date Started: Date Started: Scarg2005 Completed: Scarg2005 Measuring Point Elevation 94.32 feet (relative)  Soil Description  Well Description  Native Material Bentonite Cement Morie Silica Screen Scr									above mean sea level
Aquifer Drilling & Testing, Inc.    Date Starder   Date Completed:   Date Completed:		cility			St., Ne	w York, NY	8/25/2005	26.33	
Date Started:									
6/29/2005  Graphelion Depth: 38 feet  MW-4 Construction (NTS)  O NA NA NA O Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.  NM*		sting, Inc.							95.22 feet (relative)
ENVIRONMENT   SAMPLES   SAMPLES   SOIL DESCRIPTION					eted:				Managina Daint Claustin
38 feet					10.0	la siate			
MW-4 Construction (NTS)					AC Geo	piogist:			94.32 feet (relative)
Construction (h. below grade)  (in)							<u> </u>		
(NTS) grade) very per (in.) 6 in. (ppm)  O NA NA NA 0 0 (ppm)  NA NA 0 0 (concrete, brick, wood) and gravel. Dry, no odor.  Some of the province of the provin		100 C C C C C C C C C C C C C C C C C C			-		001	I DECODIET	CON
(in.) 6 in. (ppm)    0				1	0.44		SOI	L DESCRIPT	ION
LEGEND:  Native Material Bentonite Cement Morie Silica Screen Nome NA N	(NTS)	grade)							
Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.  NM* NM* NM* NM* NM* NM* NM* NM* NM* NM			(In.)	6 IN.	(ppm)				
botained. The lack of drill cuttings during borehole advancement did not allow for soil sample collection.  LEGEND:  Native Material  Bentonite  Cement  Morie Silica  Screen  Screen  Top/End Cap  obtained. The lack of drill cuttings during borehole advancement did not allow for soil sample collection.  Well Construction Details  Well Construction Details  Screen Zone: 38' - 13' Screen material: 2" # 20 slot, Schedule 40 PVC Casing material: 2" \$chedule 40 PVC Gravel Pack: Morie #2 Cement Surface  Top/End Cap		5			-	Medium to fine g (concrete, brick, 6' - 38' (drilled w Medium to fine g and gravel. Wet Refusal at 38 fee	rained brown wood) and gr ith Hollow Ste rained to silty at approxima et.	to dark brown ravel. Dry, no em Augers) dark brown tely 36 feet, p	to reddish sand and cobbles betroleum odor.
Native Material   Bentonite   Well Construction Details     Cement   Bottom of Well: 38'   Screen Zone: 38' - 13'   Screen material: 2" # 20 slot, Schedule 40 PVC   Casing material: 2" # 20 slot, Schedule 40 PVC   Gravel Pack: Morie #2   Cement Surface   Cem		20				obtained. The la	ck of drill cutt	ings during b	samples could not be orehole advancement did
Bentonite  Cement  Bottom of Well: 38' Screen Zone: 38' - 13' Screen material: 2" # 20 slot, Schedule 40 PVC Casing material: 2" Schedule 40 PVC Gravel Pack: Morie #2 Cement Surface									
Well Construction Details       Bottom of Well: 38'       Screen Zone: 38' - 13'       Screen material: 2" # 20 slot, Schedule 40 PVC       Casing material: 2" Schedule 40 PVC       Gravel Pack: Morie #2       Cement Surface	F Marie Material								
Bottom of Well: 38' Screen Zone: 38' - 13' Screen material: 2" # 20 slot, Schedule 40 PVC Casing material: 2" Schedule 40 PVC Gravel Pack: Morie #2 Cement Surface						Well Construction	on Details		
Morie Silica  Screen Zone: 38' - 13' Screen material: 2" # 20 slot, Schedule 40 PVC Casing material: 2" Schedule 40 PVC Gravel Pack: Morie #2 Cement Surface	Cement					B	001		
Screen material: 2" # 20 slot, Schedule 40 PVC Casing material: 2" Schedule 40 PVC Gravel Pack: Morie #2 Cement Surface	Morie Silica								
Screen Casing material: 2" Schedule 40 PVC Gravel Pack: Morie #2 Cement Surface	I Worle Silica							Schedule 40	) PVC
100-210-000						Casing material: Gravel Pack: M	2" Schedule orie #2		
	Top/End Cap								

Top/End Cap

NM - Not Measured

NA - Not Applicable



80 B Air Park Drive, Ronkonkoma, New York 11779

		80	B Air Park		Ronkonkoma, l <b>₋og of MW-5</b>	New York 1	1779	
Client:					- cg c c	Depth to	o Water	Site Elevation Datum
Verizon New York, I	nc.						asuring pt.)	approximately 25 feet
Site Name:			Address:			Date	DTW	above mean sea level
West 34th Street Fa	cility		555 W. 34th	St., Ne	ew York, NY	8/25/2005	20.05	
Drilling Company:			Method:			1		Ground Elevation
Aquifer Drilling & Te	sting, Inc.		Hollow Stem	n Auger	/Air Rotary			94.15 feet (relative)
Date Started:			Date Compl	eted:		1 1		
7/28/2005			8/1/2005			]		Measuring Point Elevation
Completion Depth:			<b>ENVIROTR</b>			1		93.90 feet (relative)
32.5 feet			Tom Bossha	ard/Mike	e Alliegro			
MW-5	DEPTH		SAMPLES					
Construction	(ft. below	Reco-	Blow		1	SOII	L DESCRIPT	ION
(NTS)	grade)	very	per	OVM				
		(in.)	6 in.	(ppm)				
2000	F 0 -	NA	NA	0	0' - 5' (pre-cleare	ed with Vactro	n)	
2000	<b>⊢</b>			"				n sand and fill material
	F 7				(concrete, brick,			
					,	, ,		
	5							
		NM*	NM*	NM*	<u>5' - 16'</u> (drilled w			
	L -							nd cobbles and gravel.
	L 40 -						6 feet. Large	boulder encountered
	10				at 15 feet. Dry, n	o odor.		
	⊢ –							
	<b>⊢</b> −							
	├ <sub>15</sub>							
	⊢ '° ⊣	NM*	NM*	NM*	16' - 32.5' (drilled	d with Air Rots	arv)	
	F -							to 32.5 feet. Wet at
					approximately 24			
	20							
	25							samples could not be
								orehole advancement did
	⊢ –				not allow for soil	sample collec	ction.	
	⊢ <u> </u>							
	30							
1000	⊢ ⊣							
2000	<b>⊢</b> −							
	├ <sub>35</sub>							
	F							
	40							

Well Construction Details

Bottom of Well: 32.5' Screen Zone: 32.5' - 7.5'

Screen material: 2" # 10 slot, Schedule 40 PVC Casing material: 2" Schedule 40 PVC

Gravel Pack: Morie #1 Cement Surface

NTS - Not to Scale NM - Not Measured

LEGEND:

Cement

Morie Silica

Screen

Top/End Cap

Native Material Bentonite

NA - Not Applicable



		80 E	3 Air Park		Ronkonkoma, I	New York 1	1779	
Client:					og or inve-o	Depth to	o Water	Site Elevation Datum
Verizon New York, Ir	nc.					(ft. from me	asuring pt.)	approximately 25 feet
Site Name:			Address:			Date	DTW	above mean sea level
West 34th Street Fac	cility		555 W. 34th	St., Ne	w York, NY	8/25/2005	12.67	Ground Elevation
Drilling Company:	atina Inc		Method: Hollow Stem	Augor	/Air Potany			84.35 feet (relative)
Aquifer Drilling & Test Date Started:	sting, inc.		Date Compl		All Rolary	1		04.00 1001 (10141170)
8/1/2005			8/3/2005	cica.				Measuring Point Elevation
Completion Depth:			ENVIROTR	AC Geo	ologist:	1		84.03 feet (relative)
13.5 feet (from base	ment grade)		Mike Alliegre	o/Tom F	Hug			
MW-6	DEPTH		SAMPLES					
Construction	(ft. below	Reco-	Blow			SOI	L DESCRIPT	ION
(NTS)	grade)	very	per	OVM				
		(in.)	6 in.	(ppm)				
	10 15 15 20 25 30 35 40 40 40 40	NM*	NM*	NM*	(concrete, brick,  10' - 13.5' (drille Apparent bedrog approximately 1:  * Due to encoun	d with Air Rot k encountere 2.5 feet, no or tered geology ck of drill cutt	to grey sand ravel. Dry, no ary) d from 10 fee dor. Refusal a	et to 13.5 feet. Wet at
LEGEND:								
Native Material								
Bentonite					Well Construction	on Details		
Cement					Bottom of Well:			
Morie Silica					Screen Zone: 1 Screen materia	3.5' - 3.5'	Schedule 40	) PVC
Screen					Casing material Gravel Pack: M Cement Surface	: 2" Schedule orie #1		,,,,,
Top/End Cap			Not Moosi			Int Applicable		DTW - Depth to Water

NA - Not Applicable DTW - Depth to Water NM - Not Measured



80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-7

					Log of WW-7			
Client:							o Water	Site Elevation Datum
Verizon New York, I	nc.						easuring pt.)	approximately 25 feet
Site Name:	-1114		Address:	O4 1.	Warda NDC	Date	DTW	above mean sea level
West 34th Street Fa	icility		555 W. 34th Method:	St., Ne	W YORK, NY	8/25/2005	25.40	Ground Elevation
Drilling Company: Aquifer Drilling & Te	etina Inc		Hollow Stem	Δυσος	/Air Potany			94.91 feet (relative)
Date Started:	sting, mc.		Date Compl		MIROLATY			34.91 leet (lelative)
8/9/2005			8/10/2005	cicu.				Measuring Point Elevation
Completion Depth:			ENVIROTR	AC Geo	ologist:			94.44 feet (relative)
36 feet			Mike Alliegre		•			
MW-7	DEPTH		SAMPLES					
Construction	(ft. below	Reco-	Blow			SOI	L DESCRIPT	TION
(NTS)	grade)	very	per	OVM				
		(in.)	6 in.	(ppm)				
	0 -	NA	NA	0	sand and gravel.	crete, brick, v Dry, no odor	wood) with me	edium to fine grained brown
	 	NM*	NM*	NM*	5' - 10' (drilled wi Fill material (con brown sand and	crete, brick, v	wood) with me	edium to fine grained
	15	NM*	NM*	NM*	10' - 17' (drilled v Coarse to mediu (concrete, brick).	m grained bro	own sand sor	ne gravel trace fill material
•	20	NM*	NM*	NM*	approximately 25	k encountere 5 feet, no odo ered geology ck of drill cutt	d from 17 fee r. r, split-spoon ings during b	et to 36 feet. Wet at samples could not be orehole advancement did
LEGEND:	35							
LEGEND:								
Native Material								
Bentonite					Well Constructio	n Details		
Cement								
Maria Ollica					Bottom of Well: 3			
Morie Silica					Screen Zone: 36		Schodula 40	PVC
Screen					Screen material: Casing material:			F V C
Top/End Cap					Gravel Pack: Mo Cement Surface	rie #1	701 00	
NTS - Not to Scale		NIM	- Not Measu	red		ot Applicable		DTW - Depth to Water

Envirolrac

80 B Air Park Drive, Ronkonkoma, New York 11779

		80 1	3 Air Park		Ronkonkoma, r	New York 1	1779		
Olit-					og of MW-8	Depth to	n Water	Site Elevation Datum	
Client:	20						asuring pt.)	approximately 25 feet	
Verizon New York, I	nc.		Address:			Date	DTW	above mean sea level	
Site Name:	ailitu		555 W. 34th	St No	W Vork NV	8/25/2005	19.02	above mean oca level	
West 34th Street Fa Drilling Company:	Cility		Method:	St., Ne	W TOIK, INT	0/23/2003	10.02	Ground Elevation	
Aquifer Drilling & Te	eting Inc		Hollow Sten	Δυσος	/Air Rotan/			95.08 feet (relative)	
Date Started:	sting, inc.			Completed:				00.00 1001 (10.00170)	
8/10/2005			8/11/2005	eleu.				Measuring Point Elevation	
Completion Depth:			ENVIROTR.	AC Ger	ologist.			94.84 feet (relative)	
38 feet			Mike Alliegr						
MW-8	DEPTH		SAMPLES	1	109				
	(ft. below	Reco-	Blow			SOI	L DESCRIPT	ION	
Construction	,		per	OVM		001	L DLOOKII I	1011	
(NTS)	grade)	very (in.)	6 in.	(ppm)					
3333	0 _	NA	NA	0	(concrete, brick,	n sand and fill material odor.			
	10	NM*	NM*	NM*	Coarse to mediu	<ul> <li>10' (drilled with Hollow Stem Augers)</li> <li>oarse to medium grained brown sand and fill material (concrete, rick, wood) trace gravel. Dry, no odor.</li> <li>0' - 17' (drilled with Hollow Stem Augers)</li> <li>oarse to medium grained brown sand some gravel trace fill material concrete, brick, wood). Dry, no odor.</li> </ul>			
		NM*	NM*	NM*	Coarse to mediu (concrete, brick,				
	20	NM*	NM*	NM*	Apparent bedroo	drilled with Air Rotary) bedrock encountered from 17 feet to 38 feet. Vately 20 feet, no odor.			
	25				* Due to encoun obtained. The la not allow for soil	ck of drill cut	tings during b	samples could not be porehole advancement did	
LEGEND: Native Material Bentonite Cement Morie Silica Screen					Well Construction  Bottom of Well: Screen Zone: 36 Screen material Casing material Gravel Pack: Mo	38' 8' - 13' : 2" # 10 slot : 2" Schedule		0 PVC	





Top/End Cap

Cement Surface

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of Refusal Boring Client: Depth to Water Site Elevation Datum (ft. from measuring pt.)
Date DTW Verizon New York, Inc. approximately 25 feet Address: Site Name: above mean sea level 555 W. 34th St., New York, NY West 34th Street Facility NM NM Drilling Company: Method: Ground Elevation Aquifer Drilling & Testing, Inc. ODEX/Air Rotary NM Date Started: Date Completed: Measuring Point Elevation 7/25/2005 7/27/2005 Completion Depth: ENVIROTRAC Geologist: NM

Completion Depth: 12 feet			Tom Bossha		ologist:			NM
Well	DEPTH		SAMPLES	aru				
Construction	(ft. below	Reco-	Blow	$\overline{}$		201	L DESCRIPT	TION
(NTS)	grade)	very	per	OVM		301	LULGURIP	
(1410)	grade)	(in.)	6 in.	(ppm)				
No Well Installed	10	NA NM*	NA NM*	O NM*	(concrete, brick, 6' - 12' (drilled wi Medium to fine g and gravel. Refuse * Due to encount	rained brown wood) and gi th ODEX/Air rained brown sal at 12 feet tered geology ck of drill cutt	Rotary) to dark brov  , split-spoon ings during b	vn sand and fill material o odor.  vn sand and cobbles  samples could not be porehole advancement did
LEGEND:								
Native Material								
Bentonite					Well Construction	n Details		
Cement					Bottom of Well:	2010		
Morie Silica					Screen Zone: Screen material:			
Screen					Casing material: Gravel Pack:			
Top/End Cap			Not Mossu			ot Applicable		DTW Donth to Water

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable





Date:

9/28/2005 - 11/05/05

Site ID:

7West/Site P

Borehole ID:

GP-1

Rig:

Tooling:

Geoprobe 540LT/6610DT

Lead Driller: E. Morartis, ZEBRA Environmental Corp., V. Webb, Precision Sampling, Inc.

Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8"-12"	N/A	Hand-augered, wet sand and gravel. Refusal at 1'. Moved over	0.0
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8"-3'	N/A	Hand-augered, wet fill material.	0.0
3'-5'	N/A	Wet fill, brick fragments. Refusal at 5' BG. Moved over.	0.0
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8"-3'	N/A	Hand-augered, wet fill material.	0.0
3'-5'	N/A	Wet fill, brick fragments. Refusal at 5.5' BG. Location abandoned.	0.0
		Return to the same location with 6610DT Geoprobe	
0-4"	N/A	Concrete, drilled with rotary bit.	0.0
4" - 4'	N/A	Concrete dust/voids.	0.0
4' - 10'	N/A	Brown/black sandy silt, some brick fragments.	0.0
10' - 13'	N/A	Brown/black sandy silt, some brick fragments. Refusal at 13' BG. Sample barrel damaged.	0.0



Date:

9/28/2005 - 11/05/05

Site ID:

7West/Site P GP-2

Borehole ID:

Rig: Geoprobe 540LT/6610DT
Tooling: MC
Lead Driller: E. Morartis, ZEBRA Environmental Corp.,V.Webb, Precision Sampling, Inc.
Geologist: A. Nadolishny

Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
3'-5'	N/A	Wet fill, brick fragments. Refusal at 5.5' BG. Location abandoned.	0.0
		Return to the same location with 6610DT Geoprobe	
0-4"	N/A	Concrete, drilled with rotary bit. Petroleum odor from underneath the slab.	1.0
4" - 4'	N/A	Voids/concrete dust.	0.0
4' - 10'	N/A	Light brown to grey silty sand. Rock fragments.	0.0
10' - 14'	N/A	Tan to brown sitly sand, some brick and rock fragments.	0.0
14' - 18'	N/A	Dark brown sifty sand, some clay.	0.0
18' - 20'	N/A	Dark brown silty sand, some clay. Refusal at 20' BG	0.0



9/28/2005 - 11/05/05 Date:

Site ID: 7West/Site P Borehole ID: GP-3

Geoprobe 540LT/6610DT Rig:

Tooling: MC
Lead Driller: E. Morartis, ZEBRA Environmental Corp., V. Webb, Precision Sampling, Inc.

Geologist: A. Nadolishny Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8*	N/A	Concrete, cored using a high-speed core drill.	0.0
8" - 6"	N/A	Soft wet fill, debris, brick and concrete fragments. Refusal.	0.0
		Return to the same location with 6610DT Geoprobe	
0-4"	N/A	Concrete, drilled with rotary bit.	0.0
3" - 4.5'	N/A	Voids/concrete dust and fragments.	0.0
4.5' - 6'	N/A	Crushed concrete.	0.0
6' - 8'	N/A	Rocks, crushed concrete, cinder.	0.0
8' -10'	N/A	Brown-grey silty sand, moist.	0.0
10' - 11'	N/A	Crushed rock.	0.0
11' - 13'	N/A	Brown-grey silty sand, wet. Strong petroleum odor. Refusal at 13' BG	44.5



Date:

9/28/2005

Site ID:

7West/Site P

Borehole ID:

GP-4

Rig:

Geoprobe 540LT/6610DT

Tooling: MC, SP-15
Lead Driller: E. Morartis, ZEBRA Environmental Corp.
Geologist: A. Nadolishny Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8" ~ 4'	N/A	Soft wet fill, debris, brick and concrete fragments.	0.0
4' - 8'	N/A	Dark fill material, crushed rock after 7' BG.	0.0
8' -10'	N/A	Crushed rock.	0.0
10' - 12'	N/A	Soft gray and brown clay with organic fragments.	0.0
12' - 14'	N/A	Brown silt with mica, moist.	0.0
14' - 16'	N/A	Brown clayey silt, wet.	0.0
11' - 16'	N/A	Attempted to collect GW sample. No recharge.	0.0



Date:

9/27/2005

Site ID:

7West/Site P

Borehole ID:

B-1

Rig:

Manual Geoprobe, hand-auger, pick axe and post-hole digger.

Tooling:

Lead Driller: I. Friedl, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock, brick , some sand. Moved 4 times before attaining 1' depth.	0.0
1' - 2'	N/A	Crushed rock, brick, some sand, metal fragments, concrete.	0.0
2' - 3'	N/A	Concrete and rock fragments, some dark fill material.	0.0
3' - 4'	N/A	Rock fragments. Refusal at 4' BG	0.0



Date:

9/27/2005

Site ID:

7West/Site P

Borehole ID:

B-2

Rig: Tooling:

Manual Geoprobe, hand-auger, pick axe and post-hole digger.

manual

Lead Driller: I. Friedl, Precision Sampling, Inc.

Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock, brick , some sand. Moved 2 times before attaining 1' depth between large rock slabs.	0.0
1' - 2'	N/A	Crushed rock, brick, some sand.	0.0
2' - 3'	N/A	Concrete and rock fragments, some dark fill material mixed with sand. Refusal at 3' BG.	0.0



Date:

9/27/2005

Site ID:

7West/Site P

Borehole ID:

B-3

Rig:

Manual Geoprobe, hand-auger, pick axe and post-hole digger.

Tooling: manual
Lead Driller: I. Friedl, Precision Sampling, Inc.

Geologist: A. Nadolishny

Weather:	65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock, brick , some sand. Moved 5 times before attaining 1' depth between large rock slabs.	0.0
1' - 2'	N/A	Crushed rock, brick, some sand, other man-made materials.	0.0
2' - 3'	N/A	Concrete and rock fragments, some sand. Refusal at 3.5' BG.	0.0



Date: Site ID:

9/27/2005 7West/Site P

Borehole ID:

B-4

Rig:

Manual Geoprobe, hand-auger, pick axe and post-hole digger.

Tooling: manual Lead Driller: 1. Friedl, Precision Sampling, Inc.

Geologist: A. Nadolishny Weather:

65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock and dark sand, wet.	0.0
1' - 2'	N/A	Wet sand with rock fragments.	0.0
2' - 3'	N/A	Concrete and rock fragments, some sand.	0.0
3' - 4'	N/A	Rock fragments with wet sand. Refusal at 4' BG	0.0



Date:

9/27/2005

Site ID:

7West/Site P B-5

Borehole iD:

Manual Geoprobe, hand-auger, pick axe and post-hole digger.

Rig: Tooling:

manual

Lead Driller: I. Friedl, Precision Sampling, Inc.

Geologist: A. Nadolishny Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock and dark sand, wet.	0.0
1' - 2'	N/A	Wet sand with rock fragments.	0.0
2' - 3'	N/A	Concrete and rock fragments, some sand. Refusal at 3°BG	0.0



Date:

9/27/2005

Site ID:

7West/Site P B-6

Borehole ID: Rig:

Manual Geoprobe, hand-auger, pick axe and post-hole digger.

Tooling: manual
Lead Driller: I. Friedl, Precision Sampling, Inc.

Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BG\$	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Dry coarse sand, some wood shavings.	0.0
1' - 2'	N/A	Dry sand with rock fragments. Moved over 2 times to reach 2' BG.	0.0
2' - 3'	N/A	Concrete and rock fragments, some sand.	0.0
3' - 4'	N/A	Rock fragments, some sand.	0.0
4' - 5'	N/A	Crushed rock, some sand and weathered rock. Refusal at 5' BG.	0.0