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Offices

Buffalo New York

May 7, 2010

Mr. Eric Warren

Russo Development, Inc. 535 East Main Street

Springville, New York 14141

SYRACUSE New York

ALBANY

NEW YORK

NEW YORK

ROCHESTER

Re: Phase II Environmental Site Assessment

Limited and Focused Subsurface Soil & Investigation

300 Ohio Street Buffalo, New York

LCS Project #10B667.22

NYSDEC Spill Number 0904777

Dear Mr. Warren:

New York City New York

Background

At your request, Lender Consulting Services, Inc. (LCS) documented site investigation activities and prepared a summary report to present the results of the limited and focused subsurface investigation, completed at the above-referenced subject property (See Figure 1). All test boring locations and soil sampling was completed at the direction of the New York State Department of Environmental Conservation (NYSDEC) and/or their contractors.

VALLEY COTTAGE NEW YORK

HARRISBURG

PENNSYLVANIA

PITTSBURGH PENNSYLVANIA

ALTOONA PENNSYLVANIA

1 2.111.012.7111.

BALTIMORE MARYLAND

6

SALISBURY Maryland

CLEVELAND Ohio Site Description

The subject property was historically utilized as a gasoline and diesel filling station and petroleum distribution operation. Multiple gasoline, diesel, #2 heating oil and kerosene underground storage tanks (USTs) are currently or were historically located on the subjected property. Five inoperative pump islands are currently located west and south of the subject structure. The topography of the site is generally level at grade. The Buffalo River is located approximately 250 feet from the subject property; although, does not border the subject property. The subject property is located in a primarily industrial setting.

Introduction

The purpose of this intrusive study was to better assess the environmental quality of on-site soils in accessible locations of the subject property. Soil samples were collected for stratigraphic characterization and field monitoring. Select soil samples were submitted for laboratory analysis to supplement field observations.

The following is a summary of the methods and results of the investigation.

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Methods of Investigation

Soil

Soil samples were collected on March 31 through April 2, 2010, with a track-mounted percussion and hydraulically driven drive system equipped with an approximate 2-inch diameter, approximate 48-inch long macro-core sampler. Soil samples were collected within each borehole continuously from the ground surface until a depth of between approximately eight and 16 feet below the ground surface (ft. bgs). Any downhole equipment was decontaminated with an Alconox and tap water wash and tap water rinse between boreholes. The cutting shoes were decontaminated in a similar manner between collection of each sample.

The physical characteristics of all soil samples were classified using the Unified Soil Classification System (USCS) (Visual-Manual Method) and placed in separate sealable containers to allow any vapors to accumulate in the headspace. After several minutes, the container was opened slightly and total volatile organic compound (VOC) concentrations in air within the sample container were measured using a photoionization detector (PID). (The PID is designed to detect VOCs, such as those associated with petroleum.) Based on the field observations and/or screening results, soils were selected for analysis (see below).

Sample Analysis

Following labeling of the laboratory-supplied sample containers, selected samples were placed on ice. The samples were then submitted, under standard chain-of-custody, to a New York State Department of Health (NYSDOH) approved laboratory for analysis in accordance with the United States Environmental Protection agency (USEPA) SW-846 Methods as summarized below.

The following table summarizes the specific analytical testing performed and their respective sample locations.

Sample Location	Analytical Testing Performed
BH1 (8-10 ft. bgs)	
BH10 (0-2 ft. bgs)	
BH11 (4-8 ft. bgs)	
BH13 (4-8 ft. bgs)	
BH15 (0-2 ft. bgs)	
BH18 (0-4 ft. bgs)	
BH19 (2-4 ft. bgs)	
BH21 (6-8 ft. bgs)	
BH23 (6-8 ft. bgs)	
BH24 (2-4 ft. bgs)	
BH25 (0-4 ft. bgs)	- Berkelijn vijes - Sifferskinsk kinkstelijes (and Johan Sintenskripting - Statisting - Statisting - Berkelijn (ber
BH26 (8-10 ft. bgs)	VOCs (STARS List), SVOCs (STARS List)
BH27 (8-10 ft. bgs)	
BH28 (6-8 ft. bgs)	a contract of the contract of
BH29 (10-12 ft. bgs)	
BH30 (8-12 ft. bgs)	
BH31 (8-10 ft. bgs)	
BH34 (6-8 ft. bgs)	
BH37 (0-4 ft. bgs)	
BH38 (6-8 ft. bgs)	
BH40 (8-10 ft. bgs)	
BH41 (4-8 ft. bgs)	
BH42 (2-4 ft. bgs)	

ft. bgs = feet below ground surface

VOCs (STARS List+ 10 TICs) = Spill Technology and Remediation Series volatile organic compounds + 10 Tentatively Identified Compounds via USEPA Test Method 8260 SVOCs (STARS List + 20 TICs) = Spill Technology and Remediation Series semi-volatile organic compounds + 20 Tentatively Identified Compound via USEPA Test Method 8270

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Results of Field Investigation

Forty-one boreholes (BH1 through BH35 and BH37 through BH42) were completed in accessible areas of the subject property proximate to the environmental concerns. Test boring BH36 was not completed due to its proximity to two natural gas utility lines. (See Figure 2.) A total of 197 soil samples were collected for geologic description. Fill material consisting of asphalt, brick, gravel, clay, sand and silt was noted within all of the test borings with the exception of BH26, BH31 and BH40 through BH42 to a maximum depth of approximately eight ft. bgs. Generally, the native soils encountered consisted of varying mixtures of gravel, sand, silt and clay to the bottom of the test borings. Apparent groundwater was encountered in BH1, BH4, BH7, BH12, BH18, BH20, BH25, BH29 through BH34 and BH37 between approximately four and 12 ft. bgs. Equipment refusal was encountered within test boring BH7 at approximately eight ft. bgs. The cause of the equipment refusal could not be determined.

PID measurements were above total ambient air background VOC measurements (i.e., 0.0 parts per million, ppm) in 184 of the 197 soil samples collected. These elevated concentrations ranged from 0.1 parts per million (ppm) to 1,897 ppm (BH11, ~2-4 ft. bgs). Petroleum-type odors were detected in soil samples collected from test borings BH1, BH11, BH12, BH15, BH18, BH19, BH23 through BH29, BH31, BH37, BH38 and BH41 between approximately the ground surface and 16 ft. bgs. Petroleum-type staining was observed in soil samples collected from test borings BH38 and BH41 between approximately four and eight ft. bgs. In LCS' experience, the PID measurements and field observations (i.e., odors/staining) suggest VOC impact located west, south and east of the subject structure.

Refer to the attached subsurface logs for soil classification for each sample interval, field observations and PID measurements.

Investigation Analytical Results

The soil samples collected and analyzed detected the following analytes. The respective concentrations as well as applicable regulatory guidance values are also listed for comparison. Analytes not detected are not shown.

				VOCs	by USEPA SW	VOCs by USEPA SW-846 Method 8260 (STARS List)	3260 (STARS)	List)				
Sample ID	BH1	BH10	BH11	BH13	BH15	BH18	BH19	BH21	BH23	BH24	BH25	TAGM
Date Sampled	3/31/10	3/31/10	3/31/10	3/31/10	4/1/10	4/1/10	4/1/10	4/1/10	4/1/10	4/1/10	4/1/10	Recommended Soil
Sample Depth	8-10 ft. bgs	0-2 ft. bgs	4-8 ft. bgs	4-8 ft. bgs	0-2 ft. bgs	0-4 ft. bgs	2-4 ft. bgs	6-8 ft. bgs	6-8 ft. bgs	2-4 ft. bgs	0-4 ft. bgs	Cleanup Objectives
Units	ug/kg	ug/kg	ng/kg	ug/kg	ug/kg	ug/kg	ng/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	<34	107	6 00e	<22	<1,700	750	2,000	1,200	<41,000	<1,900	<740	80
Toluene	<34	19	<2.100	<22	<1,700	400 ك	C 007	<410	<41,000	<1,900	<740	1,500
Ethylbenzene	<34	140	2,000 J	22	<1,700	096	5,300	2,200	<41,000	<1,900	<740	5,500
m.pXvlene	<34	89	4,900	110	<1,700	1,500	3,200	1,900	<41,000	<1,900	<740	1,200*
o-Xvlene	<34	7.3	1,000 J	27	<1,700	400 J	<780	200 J	<41,000	<1,900	<740	1,200*
Isopropylbenzene	<34	92	<2.100	<22	<1,700	4,900	3,000	400 J	<41,000	<1,900	<740	2,300
n-Propylbenzene	<34	230	2,000 J	22	<1,700	3,300	2,400	300 J	<41,000	2,000 J	400 J	3,700
1,3,5-Trimethylbenzene	<34	360	3,500	69	<1,700	2,900	3,300	200 J	<41,000	900 J	<740	3,300
1.2.4-Trimethylbenzene	<34	450	12,000	240	<1,700	2,600	1,200	630	<41,000	1,000 J	700 J	10,000
sec-Butylbenzene	<34	20	<2,100	<22	<1,700	f 009	700 J	<410	<41,000	<1,900	<740	10,000
4-Isopropyltoluene	<34	51	<2,100	<22	<1,700	f 009	200 J	<410	<41,000	<1,900	<740	10,000
n-Butylbenzene	434	130	1,000 J	<22	<1,700	1,500	1,400	<410	<41,000	1,000 J	<740	10,000
Naphthalene	<34	210	2,900	36	2,300	2,800	3,300	580	<41,000	2,100	920	13,000

Sample ID	BH26	BH27	BH28	BH29	BH30	BH31	BH34	BH37	BH38	BH40	BH41	BH42	TAGM
Date Sampled	4/1/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	Recommended Soil
Sample Depth	8-10 ft. bqs	8-10 ft. bgs 8-10 ft. bgs	6-8 ft. bqs	10-12 ft. bgs	8-12 ft. bgs	8-10 ft. bgs	6-8 ft. bgs	0-4 ft. bgs	6-8 ft. bgs	8-10 ft. bgs	4-8 ft. bgs	2-4 ft. bgs	Cleanup Objectives
Units	ua/ka	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ng/kg	ug/kg	ug/kg
Benzene	<710	<1,800	<1,800	<36,000	<750	<770	<700	<1,700	<860	<780	<1,900	<390	80
Toluene	<710	<1,800	<1,800	<36,000	<750	<770	<700	<1,700	<860	<780	<1,900	<390	1,500
Ethylbenzene	<710	2.000 J	<1.800	<36,000	<750	<770	<700	3,700	<860	<780	<1,900	<390	5,500
m.pXvlene	<710	2.400	<1,800	<36,000	<750	1,300	<700	4,700	<860	<780	<1,900	<390	1,200*
o-Xvlene	<710	<1.800	<1.800	<36,000	<750	<770	<700	<1,700	<860	<780	<1,900	<390	1,200*
Isopropylbenzene	<710	<1,800	<1,800	<36,000	<750	<770	<700	1,000 J	<860	<780	<1,900	<390	2,300
n-Propylbenzene	<710	2,000 J	1,000 J	<36,000	<750	<770	400 J	1,800	<860	<780	1,000 J	<390	3,700
1.3.5-Trimethylbenzene	<710	2.400	<1,800	<36,000	<750	400 J	<700	3,000	<860	<780	<1,900	<390	3,300
1.2.4-Trimethylbenzene	<710	4,600	<1,800	<36,000	<750	1,200	<700	13,000	098>	<780	1,900	<390	10,000
tert-Butvl Benzene	<710	<1,800	<1,800	<36,000	<750	<770	<700	<1,700	<860	<780	<1,900	<390	10,000
4-Isopropyltoluene	<710	<1,800	<1,800	<36,000	<750	<770	<700	<1,700	<860	<780	<1,900	<390	10,000
n-Butylbenzene	<710	<1,800	<1,800	<36,000	<750	<770	<700	<1,700	<860	<780	<1,900	<390	10,000
Naphthalene	<710	1,000 J	3,100	<36,000	<750	<770	<700	4,500	098>	<780	<1,900	1,800	13,000
						The second secon	and bilanesses						

				SVOCs	by USEPA SV	V-846 Method	SVOCs by USEPA SW-846 Method 8270 (STARS list)	list)				
Sample ID	BH1	BH10	BH11	BH13	BH15	BH18	BH19	BH21	BH23	BH24	BH25	TAGM
Date Sampled	3/31/10	3/31/10	3/31/10	3/31/10	4/1/10	4/1/10	4/1/10	4/1/10	4/1/10	4/1/10	4/1/10	Recommended Soil
Sample Depth	8-10 ft. bgs	0-2 ft. bgs	4-8 ft. bgs	4-8 ft. bgs	0-2 ft. bgs	0-4 ft. bgs	2-4 ft. bgs	6-8 ft. bgs	6-8 ft. bgs	2-4 ft. bgs	0-4 ft. bgs	Cleanup Objectives
Units	uq/kg	uq/kq	ng/kg	ug/kg	ug/kg	ng/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acenaphthene	<3,700	<40.000	<460	<4,900	<37,000	<41,000	<43,000	<450	<460	<42,000	<810	\$0,000
Fluorene	<3,700	<40,000	200 J	<4,900	<37,000	<41,000	8,000 J	<450	<460	8,000 J	<810	*000,00
Phenanthrene	<3,700	<40,000	630	<4,900	10,000 J	20,000 J	30,000 J	<450	870	40,000 J	5,000	50,000*
Anthracene	<3,700	<40,000	1001	<4,900	<37,000	<41,000	f 000'6	<450	<460	10,000 J	<810	\$0,000*
Fluoanthene	<3,700	<40,000	730	<4,900	5,000 J	8,000 J	40,000 J	<450	100 J	40,000 J	890	\$0,000*
Pyrene	<3,700	<40,000	550	<4,900	C 000,9	8,000 J	30,000 J	<450	100 J	30,000 J	860	\$0,000°
Benzo(a)anthracene	<3,700	<40,000	300 J	<4,900	<37,000	5,000 J	20,000 J	<450	<460	20,000 J	300 J	224 or MDL
Chrysene	<3,700	<40,000	300 1	<4,900	<37,000	6,000 J	20,000 J	<450	<460	10,000 J	300 J	400
Benzo(b)fluoranthene	<3,700	<40,000	300 J	<4,900	<37,000	<41,000	10,000 J	<450	<460	8,000 J	<810	220 or MDL
Benzo(k)fluoranthene	<3,700	4,000 J	300 J	<4,900	<37,000	7,000 J	10,000 J	<450	<460	10,000 J	<810	220 or MDL
Benzo(a)pyrene	F 008	4,000 J	200 J	<4,900	<37,000	5,000 J	20,000 J	1,900	<460	10.000 J	<810	61 or MDL
Indeno(1,2,3-cd)pyrene	<3,700	4.000 J	<460	<4.900	<37,000	<41,000	<43,000	<450	<460	<42,000	<810	3,200
Benzo(g,h,i)perylene	<3,700	5,000 J	<460	<4,900	<37,000	<41,000	10,000 J	<450	<460	<42,000	<810	*000,03

				S	SVOCs by USEPA SW-846 Method 8270 (STARS list)	A SW-846 Me	thod 8270 (S)	(ARS list)					
Sample ID	BH26	BH27	BH28	BH29	BH30	BH31	BH34	BH37	BH38	BH40	BH41	BH42	TAGM
Date Sampled	4/1/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	4/2/10	Recommended Soil
Sample Depth	8-10 ft. bas	8-10 ft. bas	6-8 ft. bqs	10-12 ft. bqs	8-12 ft. bgs	8-10 ft. bgs	6-8 ft. bgs	0-4 ft. bgs	6-8 ft. bgs	8-10 ft. bgs	4-8 ft. bgs	2-4 ft. bgs	Cleanup Objectives
Units	ua/ka	_	ug/kg	ug/kg	uq/kg	ug/kg	ug/kg	ug/kg	ng/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acenaphthene	<390	<400	<3.900	<390	<410	006 J	<380	<3,600	<4,700	<4,300	<41,000	200,000 J	\$0,000*
Fliorene	<390	<400	<3.900	<390	<410	800 J	<380	<3,600	<4,700	<4,300	L 000,7	200,000 J	50,000*
Phenanthrene	f 09	<400	14,000	70.7	300 1	9,400	f 09	1,000 J	600 J	10,000 J	30,000 J	1,900,000	*000,03
Anthracene	<390	1.06	<3,900	<390	<410	2,000 J	L 07	<3,600	<4.700	<4,300	20,000 J	000'099	\$0,000
Flugathene	330	40.7	<3,900	<390	300 J	12,000	<380	700 J	3,000 J	10,000 J	91,000	2,600,000	\$0,000
Pyrene	<390	<400	3,000 J	<390	200 J	10,000	<380	1,000 J	2,000 J	10,000 J	84,000	2,200,000	\$0,000°
Renzo(a)anthracene	<390	<400	<3.900	<390	100 J	5,400	<380	<3,600	3,000 J	<4,300	53,000	1,100,000	224 or MDL
Chosene	<390	<400	<3,900	<390	100 J	5,100	<380	<3,600	3,000 J	<4,300	72,000	1,300,000	400
Benzo(b)fluoranthene	<390	<400	<3,900	<390	f 06	4,000 J	<380	<3,600	3,000 J	<4,300	98,000	970,000	220 or MDL
Benzo(k)fluoranthene	<390	<400	<3,900	<390	90 J	3,000 J	<380	<3,600	2,000 J	<4,300	95,000	1,900,000	220 or MDL
Benzo(a)pyrene	<390	<400	<3,900	<390	1001	5,000	<380	<3,600	2.000 J	<4,300	120,000	1,800.000	61 or MDL
Indeno(1.2.3-cd)pyrene	<390	<400	<3,900	<390	<410	3,000 J	<380	<3,600	2,000 J	<4.300	81,000	1,000,000	3,200
Renzo(a h i)nerviene	<390	<400	<3,900	<390	<410	4,000 J	<380	<3.600	2,000 J	<4,300	100,000	1,200,000	\$0,000

Lights = micrograms per kilogram

1. Lib ps = feet below ground surface

J = Analyse detected below quantitation limits

STARS = Spill Technology and Remediation Series

* = Total SVOCs must be \$50,000ug/kg, and Individual non-accuracy gene SVOCs must be \$50,000ug/kg, and Individual non-accuracy gene SVOCs must be \$50,000ug/kg, and Individual non-accuracy gene SVOCs must be \$50,000ug/kg.

TAGM Recommended Soil Cleanup Objectives and Cleanup Levels and defanial state defandant fluxus, (2001)

R = This analyte was also detected within he laboratory s method blank and may be the result of laboratory contamination.

= Analyte that is detected above the TAGM Recommended Soil Cleanup Objective.

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Conclusions

The purpose of this intrusive study was to better assess the environmental quality of on-site soils in accessible locations of the subject property proximate to the historic pump islands and the current and historic USTs. All test boring locations and soil sampling was completed at the direction of the New York State Department of Environmental Conservation (NYSDEC) and/or their contractors.

The following table summarizes the field observations and the laboratory results.

Sample ID	Depth of Refusal	Depth of Groundwater		lighest Reading	Petroleum- Type Odors	Petroleum- Type Staining	Free Product	Analytes Detected
Cample ID	ft. bgs	ft. bgs	ppm	ft. bgs	ft. bgs	ft. bgs	ft. bgs	Above Regulatory Criteria
BH1	None	12	1,541	8-10	8-10	None	None	Yes
BH2	None	None	1.7	0-4	None	None	None	NA
BH3	None	None	0.4	0-2	None	None	None	NA
BH4	None	8	None	None	None	None	None	NA
BH5	None	None	0.6	2-4	None	None	None	NA
BH6	None	None	3.5	0-4	None	None	None	NA
BH7	8	4	2.9	2-4	None	None	None	NA
BH8	None	None	1.8	0-4	None	None	None	NA
BH9	None	None	3.2	0-2	None	None	None	NA
BH10	None	None	35.1	0-2	None	None	None	Yes
BH11	None	None	1,897	4-8	1-11	None	None	Yes
BH12	None	8	583	8-12	3-4	None	None	NA
3H13	None	None	13.2	4-8	None	None	None	No**
BH14	None	None	1.5	8-10	None	None	None	NA
BH15	None	None	52.3	0.4-2	0-5	None	None	No**
BH16	None	None	2.7	10-12	None	None	None	NA
3H17	None	None	1.8	2-4	None	None	None	NA
3H18	None	8	527	0.4-4	3-10	None	None	Yes
BH19	None	None	923	2-4	1-10	None	None	Yes
BH20	None	9	2.8	8-10	None	None	None	NA
BH21	None	None	21.3	6-8	None	None	None	Yes
BH22	None	None	6.8	6-8	None	None	None	NA
BH23	None	None	303	6-8	3-8	None	None	NA
BH24	None	None	616	2-4	3-5.5	None	None	No**
BH25	None	8	157	0.4-4	0-10	None	None	Yes
BH26	None	None	175	8-10	8-10	None	None	No
BH27	None	None	998	8-10	2-12	None	None	Yes
BH28	None	None	523	6-8	1-8	None	None	No**
BH29	None	8	>999	10-12	8-12	None	None	No**
BH30	None	11	26	8-12	None	None	None	Yes
BH31	None	8	663	8-10	8-11	None	None	Yes
BH32	None	9	6	4-8	None	None	None	NA
BH33	None	10	3	0.4-12	None	None	None	NA
BH34	None	8	22.5	6-8	None	None	None	No
BH35	None	None	5	4-8	None	None	None	NA
BH36	*	*	*	*	*	None	*	*
3H37	None	10	>999	0.4-8, 12-16	0.4-16	None	None	Yes
BH38	None	None	>999	4-8	6-8	6-8	None	Yes
BH39	None	None	8	0-4	None	None	None	No**
BH40	None	None	27	0-4	None	None	None	No**
BH41	None	None	392	4-8	4-8	4-8	None	Yes
BH42	None	None	10	2-4	None	None	None	Yes

NA = not analyzed

^{* =} test boring was not completed due to proximity to natural gas utility lines

** = elevated laboratory method detection limit

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Based on the analytical results, analytes were detected at concentrations above TAGM Recommended Soil Cleanup Objectives in soil samples collected from west, south and east of the subject structure. Analytes were not detected at concentrations above TAGM Recommended Soil Cleanup Objectives in soil samples collected from test borings BH15, BH23, BH28, BH29 and BH40. Based on the field observations (i.e. elevated PID readings, odors, staining) analytes may be present in soil samples collected from those test borings; however, were not detected due to elevated laboratory method detection limits.

Recommendations

Contaminated soil and groundwater (if any) should be remediated in accordance with the requirements of the NYSDEC. Similarly, non compliant UST systems should be properly abandoned (i.e., closed-in-place or excavated and removed).

Thank you for allowing LCS to service your environmental needs. If you have any questions or require additional information, please do not hesitate to call our office.

Sincerely,

Adam Zebrowski

Environmental Analyst

Reviewed by:

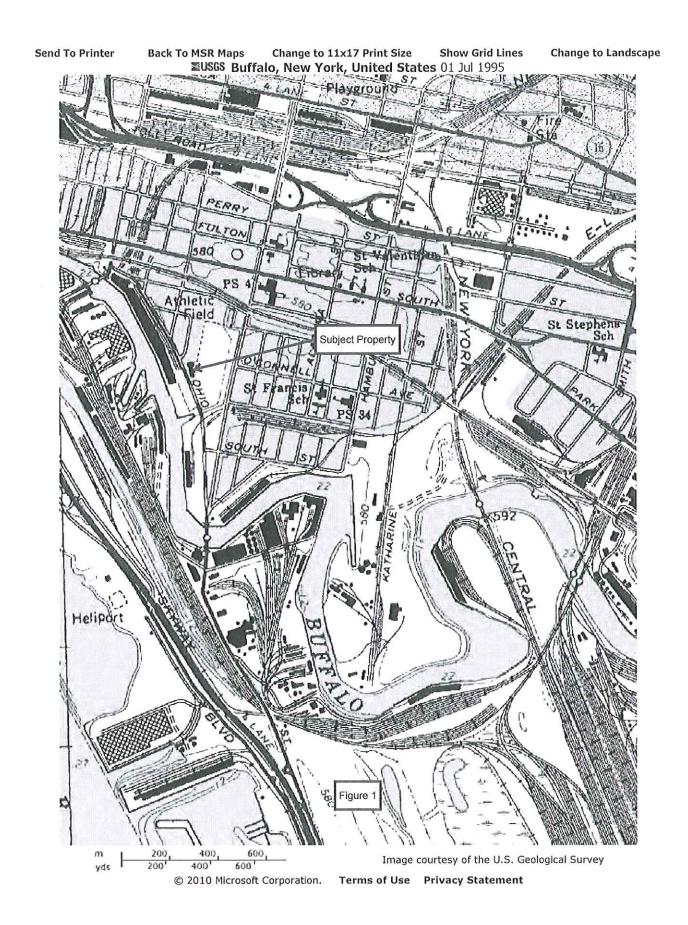
Douglas B. Keid

Sr. VP, Environmental Services

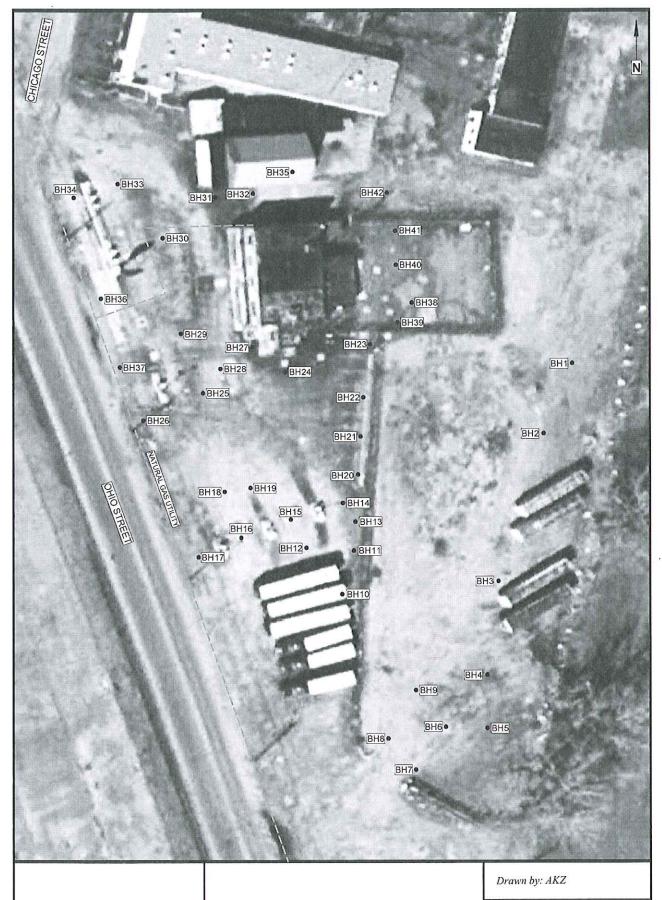
Sr. Environmental Scientist

SITE LOCATION MAP

Page 1 of 1 MSRMaps: Print







LCSING.

FIGURE 2 - SITE INVESTIGATION PLAN

300 OHIO STREET BUFFALO, NEW YORK Checked by: DBR

Not to Scale

LCS Project # 10B667.22



	LC	CS Ir	ıc.			SU	BSUR	FACE LC)G
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT No.	10B667.22
CLIENT:				Russo Develop					
DATE S	ΓARTED:	3/31	/2010	_ DATE COM	IPLETE	D:3/	31/2010	RECORDED BY:	AZ
GROUN	DWATER D	EPTH WH	HILE DR	ILLING:	~12	2 ft. bgs	AFTER COM	PLETION:	NA
WEATH	ER:	15°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Deve	elopment, Inc.
DRILL S	ZE/TYPE:		Macr	o-core	SAM	PLE HAMME	R: WEIGHT	NA FALL	NA
					1				
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-\	VE.I
1	0.7	0-2	U	-	-	20	0-8ft: Blackish	-gray sandy gravelly silt (lov	w plasticity, moist)
2	0.1	2-4	U			20	8-10ft: Brown	clay (high plasticity, soft, m	oist)
3	1.6	4-8	U	-	6 2 1	15	10-12ft: Brown	nish-gray sandy silt (low pla	sticity, moist)
4	1,541	8-10	U	-	141	24	12-14ft: Brown	nish-gray silty sand (fine, de	nse, wet)
5	51.1	10-12	U	-	:=:	24	14-16ft: Brown	n silty clay (medium plasticit	y, stiff, moist)
6	1.9	12-14	U	(-)	120	24	-		
7	0.6	14-16	U		/ = /	24			
							1		
]		
]		
							-		
				2					

ft. bgs = feet below ground surface

Fill to ~8 ft. bgs

Suspect petroleum-type odors @ 8-10 ft. bgs

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

1	LC	CS Ir	1c.			SU	BSUR	FACE LO	G
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT No.	10B667.22
CLIENT:	1		1	Russo Develop	ment, In	IC.		BORING/WELL No.	BH2
DATE ST	TARTED:	3/31	/2010	DATE COM	//PLETE	D:3/	31/2010	RECORDED BY:	AZ
GROUNI	DWATER D	EPTH WH	IILE DR	ILLING:		N/A	AFTER COM	MPLETION:	NA
WEATHE	ER:	45°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Deve	lopment, Inc.
DRILL SI	ZE/TYPE:	,	Macr	o-core	_ SAMI	PLE HAMMEI	R: WEIGHT	NAFALL	NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-V	100.000 Particular Section 100.000
1	1.7	0-4	U	-	-	20	0-0.4ft: Brown	nish-gray gravel (coarse, ang	ular, packed, moist)
2	0.7	4-6	U	-	:=0	18	0.4-4ft: Brown	nish-black gravelly sandy silt	(low plasticity, moist)
3	0.3	6-8	U	-,	•	18	4-6ft: Black sa	andy silt (low plasticity, moist)
4	0.3	8-10	U	-	-	15	6-10ft: Brown	silty clay (medium plasticity,	soft, moist)
5	0.0	10-12	U	-	.=.	15	10-12ft: Brow	nish-gray sandy silt (low plas	ticity, moist)
							_		
							1		
							1		
							-		
							-		
							1		
]		
]		
							-		
			1		1	1			

Fill to ~6 ft. bgs

ft. bgs = feet below ground surface

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

2	LC	CS Ir	ıc.			SU	BSUR	FACE LC)G
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	alo, New Yorl	k	PROJECT No.	10B667.22
CLIENT:			ı	Russo Develop	ment, In	C.		BORING/WELL No.	вн3
DATE ST	TARTED:	3/31/	/2010	_ DATE CON	1PLETE	D:3/	31/2010	RECORDED BY:	AZ
GROUNI	DWATER D	EPTH WH	HILE DR	ILLING:		NA	AFTER COM	IPLETION:	NA
WEATHE	ER:4	45°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Deve	elopment, Inc.
DRILL SI	ZE/TYPE:		Macr	o-core	SAM	PLE HAMMER	R: WEIGHT	NAFALL	NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-V	- 25
1	0.4	0-2	U	-	=	20	0-6ft: Blackish	gray gravely silt (low plastic	city, moist)
2	0.1	2-4	U	-	-	20	6-9ft: Brown c	lay (medium plasticity, soft,	moist)
3	0.0	4-6	U	-1	121	18	9-12ft: Browni	sh-orange silty clay (low pla	sticity, stiff, moist)
4	0.0	6-8	U		-	18			9
5	0.0	8-10	U	(4)	-	18			
6	0.0	10-12	U	-	-	18			

Fill to ~6 ft. bgs

ft. bgs = feet below ground surface

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

	LC	CS In	1c.			SU	BSUR	FACE 1	LOG	· ·
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k	PROJECT No.		10B667.22
CLIENT:				Russo Develop	ment, In	ıc.		BORING/WELL I	No	BH4
DATE S	TARTED:	3/31	/2010	_ DATE COM	//PLETE	D:3/	31/2010	RECORDED BY:		AZ
GROUN	DWATER D	EPTH W	HILE DR	ILLING:	~8	ft. bgs	AFTER COMP	PLETION:		NA
WEATH	ER:	45°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo	Developr	nent, Inc.
DRILL S	IZE/TYPE:		Macr	o-core	SAMI	PLE HAMME	R: WEIGHT	NA F	ALL	NA
	Ī				T		1			
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	0000 000 B 400	Material Classificati		TO SECURE
111	0.0	0-2	U	(9 ()	-	20	0-0.4ft: Gray gr	avel (coarse, angula	ar, packed, r	moist)
2	0.0	2-4	U		171	20	0.4-4.5ft: Black	silty sand (coarse, r	medium, fine	e, dense, moist)
		ottoba				22.00	040000 SINCE NO. 1040			William Control Car
3	0.0	4-8	U	¥8	-	15	4.5-8ft: Brownis	sh-gray silty clay (hiç	gh plasticity,	soft, moist)
4	0.0	8-12	U	-	(=)	20	8-10ft: Gray silt	y sand (coarse, med	dium, fine, d	lense, wet)
							10-12ft: Gray si	ilty clay (medium pla	asticity, soft,	moist
							-			
							-			
							1			
							1			
							-			
							-			
							-			
NOTES	NA = Not A	pplicable					Fill to ~4.5 ft. bgs			

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE

No suspect odors detected

C - CORE

ft. bgs = feet below ground surface

	LO	CS Ir	ıc.			SU	BSUR	FACE LO	OG
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k	PROJECT No.	10B667.22
CLIENT:				Russo Develop	ment, In	IC.		BORING/WELL No.	BH5
1								RECORDED BY:	
GROUN	DWATER D	EPTH WH	HILE DR	ILLING:		NA	AFTER COM	MPLETION:	NA
1				,				Russo De	
DRILL S	IZE/TYPE:		Macr	o-core	SAMI	PLE HAMME	R: WEIGHT	NA FALI	. NA
	ī								
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification a Soil Classification System	and Description n-Visual Manual Method)
1	0.4	0-2	U	-	-	20	0-0.4ft: Black	silty gravel (coarse, angu	lar, packed, moist)
							_		
2	0.6	2-4	U	-	**	20	0.4-5ft: Black	sandy gravelly silt (low pla	asticity, moist)
-									
3	0.3	4-6	U	-		20	5-12ft: Brown	silty clay (high plasticity,	soft, moist)
4	0.3	6-8	U	-	=:	20			
-							1		
5	0.2	8-10	U	-	-	20	-		
6	0.2	10-12	U		•	20			
							_		
							-		
					-		-		
							-		
							-		
							1.		

Fill to ~5 ft. bgs

ft. bgs = feet below ground surface

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

	LC	CS II	1c.			SU	BSUR	FACE LO	OG
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	·k	PROJECT No.	10B667.22
								BORING/WELL No.	
								RECORDED BY:	
GROUN	DWATER D	EPTH W	HILE DR	ILLING:		NA	AFTER CON	MPLETION:	NA
WEATH	ER:	45°F, Sun	iny	DRILL RIG:	G	Seoprobe	DRILLER:	Russo De	velopment, Inc.
DRILL S	IZE/TYPE:	,	Macro	o-core	_ SAM	PLE HAMME	R: WEIGHT	NAFALL	NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification ar Soil Classification System	72
11	3.5	0-4	U	•	(=	18	0-1ft: Brown g	gravel with brick (coarse, a	ngular, packed, moist)
2	0.3	4-6	U	<u>-</u>	-	21	1-5ft: Black si	Ity sand (coarse, medium,	fine, dense, moist)
3	0.1	6-8	U	(4)	72	21	5-10ft: Brown	silty clay (high plasticity, s	oft, moist)
4	0.5	8-10	U		-	20	10-12ft: Black	ish-gray sandy silt (no plas	sticity, moist)
5	0.3	10-12	U	-	-	20			
							-		
							-		
							-		
							-		
NOTES	NA = Not A ft. bgs = fee		ound surf	ace	I	I	Fill to ~5 ft. bgs		
		*SS -	SPLIT-SF	POON SAMPLE	U - U	NDISTURBED	TUBE P-P	ISTON TUBE C - COR	RE

	LC	CS Ir	ıc.			SU	JBSURFACE LOG				
PROJEC	T/ LOCATION	DN:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT N	0	10B667.22	
				Russo Develop				-			
										AZ	
GROUN	OWATER D	EPTH WH	IILE DR	ILLING:	~4 ft. bgs AFTER COM			IPLETION:		NA	
WEATHE	ER:4	15°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	R	usso Develo	pment, Inc.	
DRILL SI	ZE/TYPE:		Macro	o-core	_ SAMF	PLE HAMMEI	R: WEIGHT	NA	_ FALL _	NA	
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)		Material Classi Soil Classificatio		escription ual Manual Method)	
1	1.8	0-2	U	•		20	0-4ft: Black sa	ndy gravelly silt	with brick (lov	/ plasticity, moist)	
2	2.9	2-4	U	-	.=.	20	4-8ft: Black gr	avelly silt (low pl	asticity, wet)		
3	0.8	4-8	U	•	•	15	Refusal @ 8 fi	t. bgs			
	7										
							_				
							-				
]				
							-				
							-				
]				
							-				
							L				
NOTES	NA = Not A ft. bgs = fee		ound eud	ace			Fill to ~8 ft. bgs No suspect odo	rs detected			
	it. bys – iee										
		*SS - :	SPLIT-SP	POON SAMPLE	U - U	NDISTURBED	TUBE P-P	ISTON TUBE	C - CORE		

	LC	CS II	ıc.			SU	BSUR	FACE LO)G			
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	·k	PROJECT No.	10B667.22			
1		-						BORING/WELL No.				
1								RECORDED BY:				
GROUN	DWATER D	EPTH WH	HILE DR	ILLING: _	NA AFTER CO			MPLETION:	NA			
WEATH	ER:	45°F, Sun	ny	DRILL RIG:	G	Geoprobe	DRILLER:	Russo Dev	elopment, Inc.			
DRILL S	IZE/TYPE:		Macro	o-core	SAM	PLE HAMME	R: WEIGHT	NAFALL	NA			
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-				
11	1.8	0-4	U	-	-	10	0-5ft: Gray gravel with brick (coarse, angular, loose, moist)					
2	0.9	4-8	U	-1	-	10	5-5.5ft: Black	gravel (coarse, angular, loc	se, moist)			
3	0.8	8-10	U	121	-	15	5.5-10ft: Blackish-gray clayey silt (low plasticity, moist)					
4	0.9	10-12	U	-	-	- 15 10-12ft: Brownish-orange silty sand (fine, dense, moist)						
							-					
							-					
]					
							-					
NOTES	NA = Not A		ound surf	ace			Fill to ~5.5 ft. bg					
	250 100			POON SAMPLE	U - U	INDISTURBED		ISTON TUBE C - CORE				

	LC	CS II	ıc.			SU	UBSURFACE LOG					
PROJEC	T/ LOCATION	 DN:		300 Ohio Stre	eet, Buff	falo, New Yor	k	PROJECT No.	10B667.22			
CLIENT:								BORING/WELL No.				
DATE ST	ΓARTED:	3/31	/2010	_ DATE COM	1PLETE	D:3/	/31/2010	RECORDED BY:	AZ			
GROUNI	DWATER D	EPTH WH	HILE DR	ILLING:		NA	AFTER COM	IPLETION:	NA			
WEATHE	ER:	45°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Deve	elopment, Inc.			
DRILL SI	ZE/TYPE:	,	Macro	o-core	_ SAMI	PLE HAMME	R: WEIGHT	NAFALL	NA			
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-V				
1	0.8	0-2	U		15%	24	0-3ft: Black silty gravel with brick (coarse, angular, loose, moist)					
2	3.2	2-4	U	-	-	24	3-4ft: Black sil	ty gravelly sand (coarse, me	edium, fine, dense, moist)			
3	1.4	4-6	U	•8	(**)	16	4-12ft: Blackish-gray silty clay (high plasticity, soft, moist)					
							1					
4	1.1	6-8	U			16	-					
5	1.2	8-10	U			24	-					
	1.2	8-10		-	-	24	-					
6	0.7	10-12	U	-	(4)	24]					
							-					
							-					
							1					
							-					
							-					
							1					
							-					
							-					
NOTES	NA = Not A	pplicable				•	Fill to ~4 ft. bgs		9			
13	ft. bgs = fee	et below gro	ound surf	ace			No suspect odo	rs detected				
		*88 -	SPLIT-SE	POON SAMPLE	U-U	NDISTURBED	TUBE P-P	ISTON TUBE C - CORE				

	LC	CS Ir	ıc.			SU	JBSURFACE LOG				
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT	No.	10B667.22	
		176.1		Russo Develop				().			
										AZ	
GROUNI	DWATER D	EPTH Wh	ILE DR	ILLING:	NA AFTER COMI			IPLETION:		NA	
WEATHE	ER:4	45°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:		Russo Develo	pment, Inc.	
DRILL SI	ZE/TYPE:		Macr	o-core	_ SAMI	PLE HAMMEI	R: WEIGHT	NA	FALL _	NA	
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)			ssification and D	escription ual Manual Method)	
1	35.1	0-2	U		-	15	0-3.5ft: Black sandy silt (no plasticity, moist)				
2	1.2	2-4	U	-	3.5-6ft: Gray s	and (coarse, r	nedium, fine, de	nse, moist)			
3	1.0	4-6	U	-	-	20	6-10ft; Browni	sh-gray silty cl	ay (high plastici	ty, soft, moist)	
4	1.3	6-8	U	•	-	20	10-12ft: brownish-gray silty sand (coarse, medium, fine, dense, moist)				
5	0.7	8-10	U	<u>'</u>	- 12	20	, moisty				
6	0.3	10-12	U		-	20					
							-				
NOTES	NA = Not A		•			•	Fill to ~3.5 ft. bg	s			
	ft. bgs = fee	et below gro	ound surf	ace			No suspect odo	rs detected			
		*SS - S	SPLIT-SF	POON SAMPLE	U - U	NDISTURBED	TUBE P - PI	STON TUBE	C - CORE		

	L	CS Ir	1c.			SU	BSUR	FACE	E LO	G
PROJEC	CT/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k	PROJECT N	o	10B667.22
1										BH11
DATE S	TARTED:	3/31	/2010	DATE CON	//PLETE	D:4	/2/2010	RECORDED	BY:	AZ
GROUN	DWATER D	EPTH WH	HILE DR	ILLING:		NA	AFTER COM	IPLETION:		NA
WEATH	ER:	45°F, Sun	ny	DRILL RIG:	G	Seoprobe	DRILLER:	R	usso Devel	opment, Inc.
DRILL S	IZE/TYPE:		Macr	o-core	SAMI	PLE HAMME	R: WEIGHT	NA	_ FALL	NA
<u> </u>	1	1								
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classi		Description Sual Manual Method)
11	832	0-2	υ	-	-	14	0-1ft: Black si	ity sandy gravel	with brick (fin	e, angular, packed,
							moist)			
2	1,784	2-4	U	-		14	-			
							1-4ft: Black si	Ity sand (fine, de	nse, moist)	
3	1,897	4-8	U	-		20			000 SE SET	
		0.40				40	4-12ft: Gray s	ilty clay (high pla	isticity, soft, n	noist)
4	98.8	8-10	U	•	-	18				
5	41.1	10-12	U	-	-	18	-			
	71.1	10 12					1			
]			
							1			
							_			
							-			
							-			
							-			
							-			
							-			
							-			
							1			

Fill to ~1 ft. bgs

ft. bgs = feet below ground surface

Suspect petroleum-type odors @ 1-11 ft. bgs

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

	LC	CS Ir	1C.			SU	BSUR	FACE L	,OG			
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k	PROJECT No.	10B667.22			
H								BORING/WELL No				
H									AZ			
H.					~8 ft. bgs AFTER COM							
II.								Russo [
ii .								NAFAI				
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification Soil Classification Syste	and Description em-Visual Manual Method)			
1	11.1	0-4	U	-	-	15		gravelly clayey sand (coa	arse, medium, fine, dense,			
							moist)					
2	-	4-8	U		j a ji		3-4ft: Black sand (coarse, medium, fine, dense, moist)					
3	583	8-12	Ü	•	-	20	3-4π; Black sa	and (coarse, medium, iii	le, dense, moist)			
- 3	363	0-12				20	4-8ft: No reco	verv				
4	3.0	12-16	U		-	10		,				
							8-16ft: Black	sandy silt (low plasticity,	wet)			
							-					
							-					
							-					
							-					
							-					
							-					
							1					
							1					
							1					
						1	-					
					-		-					
NOTES	NA - Not A	nnligable		L	J		Fill to ~3 ft. bgs					
NOTES	NA = Not A ft. bgs = fee		ound sur	face				eum-type odors @ 3-4 ft	. bgs			
	590 100	~51011 git	- GG GGII									

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

 	LC	CS Ir	ıc.			SU	BSUR	FACE I	LOG			
PROJEC	T/ LOCATION	DN:		300 Ohio Str	eet, Buff	alo, New Yor	k	PROJECT No.	10B667.22			
1									lo. BH13			
									AZ			
GROUNI	DWATER D	EPTH WH	HILE DR	ILLING:		NA	AFTER COM	PLETION:	NA			
WEATHE	ER:4	l5°F, Sun	nny	DRILL RIG:	G	eoprobe	DRILLER:	Russo	Development, Inc.			
DRILL S	ZE/TYPE:		Macro	o-core	SAM	PLE HAMMEI	R: WEIGHT	NAF	ALL NA			
			T T		T							
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification Soil Classification Sys	on and Description stem-Visual Manual Method)			
1	3.2	0.4-2	U	7	-	15	0-0.4ft: Aspha	lt				
2	2.6	2-4	U	12 0	-	20	20 0.4-1ft: Black gravelly silt (no plasticity, moist)					
			l				20 1-3ft: Black sand (coarse, medium, fine, dense, moist)					
3	13.2	4-8	U	-	-	20	20 1-3it. Black sand (coarse, medium, line, dense, moist)					
4	2.6	8-12	U	-	-	10	3-12ft: Browni	sh-gray clay (high pla	sticity stiff moist)			
7	2.0	0-12		Nº4		,,,		o., 9, e.e, (9., p.e.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
							-					
							-					
							1					
							1					
							1					
							1					
]					
							-					
							-					
NOTES	NA Prot						Fill to - 1.6 hc-					
NOTES	NA = Not A ft. bgs = fee		ound surf	face			Fill to ~1 ft. bgs No suspect odd					

U - UNDISTURBED TUBE

*SS - SPLIT-SPOON SAMPLE

P - PISTON TUBE

2 2 3 3 3	LC	CS Ir	ıc.			SU	BSUR	FACE LO	G			
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	alo, New Yor	k	PROJECT No.	10B667.22			
l .								BORING/WELL No				
l .								RECORDED BY:				
								IPLETION:				
I								Russo Deve				
DRILL S	IZE/TYPE:		Macro	o-core	SAMI	PLE HAMME	R: WEIGHT	NAFALL	NA			
	T	T	Г		Г			1				
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-V				
11	0.0	0.4-2	U	-	20	16	0-0.4ft: Asphalt					
2	0.4	2-4	U		-	16	0.4-1ft: Gray gravel (coarse, angular, packed, moist)					
					-		-					
3	0.0	4-6	U	-	-	15	1-5ft: Black cl	ayey silt (low plasticity, moist)			
4	0.0	6-8	U	24		15	5-10ft: Gray clayey sand (fine, dense, moist)					
5	1.5	8-10	U	-	-	15	10-12ft: Gray	sandy clay (fine, dense, mois	st)			
6	0.0	10-12	U	-	-	15]					
							-					
							-					
							-					
							-	ě				
		-					-					
							88					
		-					-					
							-					
	-		-				+					
NOTES	NA N				l		Fill to ~1 ft. bgs	×				
NOTES	NA = Not A ft. bgs = fe		ound surf	face			No suspect odd					

U - UNDISTURBED TUBE

*SS - SPLIT-SPOON SAMPLE

C - CORE

P - PISTON TUBE

	LC	CS In	1C.			SU	BSUR	FACE	LO	$\mathcal{G}_{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline$
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	·k	PROJECT No		10B667.22
CLIENT:								BORING/WEL		
										AZ
11								- IPLETION:		
WEATHE	ER:	51°F, Sun	ny	DRILL RIG:	G	Geoprobe	DRILLER:	Ru	sso Develo	pment, Inc.
II .								NA		
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	(Unified	Material Classific		escription ual Manual Method)
11	52.3	0.4-2	U	(4)	-	15	0-0.4ft: Aspha	ilt		
2	44.2	2-4	U	40	-	15	0.4-4.5ft; Blac	k silty sand (fine, o	dense, mois)
3	3.4	4-6	U		4.5-8.6ft: Brownish-gray clayey silt (low plasticity, moist)					
4 2.1 6-8 U 12 8.5-12ft: Brownish-gray silty clay (high plasticity, soft, moist)										
5	0.5	8-10	U	-	-	20	-			
6	0.4	10-12	U		-	20				
							-			
NOTES	NA = Not A	Applicable	1			L	Fill to ~0.4 ft. b	gs		
	ft. bgs = fee	et below gr	ound surf	face			Suspect petrole	eum-type odors @	0-5 ft. bgs	
		*SS -	SPLIT-SI	POON SAMPLE	U - U	JNDISTURBED	TUBE P-F	PISTON TUBE	C - CORE	

	LC	CS Ir	ıc.			SU	UBSURFACE LOG				
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT	No	10B667.22	
		0		Russo Develop							
				_ DATE COM							
GROUNI	DWATER D	EPTH WE	IILE DR	ILLING:		NA	AFTER COMPLETION: NA NA				
WEATHE	ER:	51°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:		Russo Develo	opment, Inc.	
DRILL SI	ZE/TYPE:	-	Macro	o-core	_ SAMI	PLE HAMME	R: WEIGHT	NA	FALL _	NA	
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Туре	Blows/6"	N	Recovery (Inches)	l .		sification and E	Description ual Manual Method)	
11	0.9	0.4-4	U	-	-	20	0-0.4ft: Aspha	ilt			
2	2.1	4-6	U	_	-	15	0.4-4ft: Brown	iish-gray gravel	ly sandy clay (low plasticity, stiff, moist)	
3	1.8	6-8	U		-	15	4-11ft: Browni	ish-black silty c	lay (high plasti	city, stiff, moist)	
4	2.3	8-10	U		-	15	11-12ft: Brow	nish-gray silty s	and (fine, dens	se, moist)	
5	2.7	10-12	U	-	-	15	-				
							-				
							-				
							1	*			
NOTES	NA = Not A ft. bgs = fee		ound surf	ace			Fill to ~0.4 ft. bo				
		*SS -	SPLIT-SI	POON SAMPLE	U - U	INDISTURBED	TUBE P-P	PISTON TUBE	C - CORE		

	LC	CS Ir	1C.			SU	BSUR	FACE LC)G			
PROJEC	CT/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	·k	PROJECT No.	10B667.22			
1								BORING/WELL No.				
1								RECORDED BY:				
GROUN	DWATER D	EPTH WH	HILE DR	ILLING:	NA AFTER			OMPLETION: NA				
WEATH	ER:	51°F, Sun	ny	DRILL RIG:	G	Seoprobe	DRILLER:	DRILLER: Russo Development, Inc.				
DRILL S	IZE/TYPE:		Macro	o-core	_ SAM	PLE HAMME	R: WEIGHT	NAFALL	NA			
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	19	Material Classification and Soil Classification System-				
11	1.2	0.4-2	U		-	15	0-0.4ft: Aspha	ilt				
2	1.8	2-4	U	-	-	15	0.4-8ft: Gray s	silt (low plasticity, moist)				
3	0.3	4-8	U	-	-	18	8-12ft: Brown	silty sand (fine, dense, moi	st)			
4	0.3	8-10	U	7	-	20						
5	0.2	10-12	U	**	-	20	-					
							_					
							-					
							-					
NOTES	NA = Not A			I .		1	Fill to ~0.4 ft. b					
	ft. bgs = fe	et below gr	ound surf	face			No suspect odd	ors detected				

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

	LC	CS In	ıc.			SU	UBSURFACE LOG				
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	alo, New Yor	k	PROJECT	No.	10B667.22	
CLIENT:			F	Russo Develop	ment, In	C.		BORING/M	ELL No.	BH18	
				DATE COM							
GROUNI	DWATER D	EPTH WH	IILE DR	ILLING:	~8 ft. bgs AFTER			IPLETION:		NA	
WEATHE	ER:	51°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:		Russo Develo	opment, Inc.	
DRILL SI	ZE/TYPE:		Macro	o-core	SAME	PLE HAMME	R: WEIGHT	NA	FALL _	NA	
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	Z	Recovery (Inches)	(Unified		sification and E	Description ual Manual Method)	
11	527	0.4-4	U		0-0.4ft: Asphalt						
2	451	4-6	U	~	-	0.4-5ft: Black	sandy gravel (f	ine, angular, lo	ose, moist)		
3	4.2	6-8	U	-	-	16	5-8ft: Brownis	h-gray silty cla	y (medium den	se, stiff, moist)	
4	17.2	8-12	U	-	-	20	8-10ft: Browni	ish-gray silty cl	ay (medium de	nse, stiff, wet)	
							10-12ft: Brow	n silty sand (fin	e, dense, mois	1)	
							_				
							_				
NOTES	NA = Not A ft. bgs = fee		ound sud	are.		I.	Fill to ~5 ft. bgs Suspect petrole		@ 3-10 ft has		
	it. bys – let			POON SAMPLE	U - U	NDISTURBED		PISTON TUBE	C - CORE		

	LC	CS Ir	ıc.		BSUR	FACE LO	G					
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	alo, New Yor	k	PROJECT No.	10B667.22			
1								BORING/WELL No.				
1								RECORDED BY:				
GROUNI	DWATER D	EPTH WH	IILE DR	ILLING:		NA	AFTER COM	IPLETION:	NA			
								Russo Devel				
DRILL S	IZE/TYPE:		Macr	o-core	SAME	PLE HAMMEI	R: WEIGHT	NAFALL	NA			
			Ι		T							
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	1					
1	60.9	0.4-2	U	-	-	18	0-0.4ft: Aspha	lt				
2	923	2-4	U	-	-	18	0.4-5.5ft: Black sandy gravelly silt (no plasticity, moist)					
							5 5 400 B		atantially and analyti			
3	845	4-6	U		-	12	5.5-12ft; Brow	nish-gray silty clay (medium	plasticity, soit, moist)			
4	229	6-8	U	(4 %)	-	12	-					
5	51.3	8-10	U	-		20						
							-					
6	22.9	10-12	U	-		20	-					
							-					
							-					
							1					
							1					
						10.000	_					
-							-					
							-					
							-					
	-					-	-					

ft. bgs = feet below ground surface

Fill to ~5.5 ft. bgs

Suspect petroleum-type odors @ 1-10 ft. bgs

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LC	CS Ir	ıc.			SU	BSURFACE LOG					
PROJEC	CT/ LOCATION	ON:		300 Ohio Str	eet, Buff	alo, New Yor	ork PROJECT No. 10B667.22					
11							BORING/WELL No. BH20					
DATE STARTED: 4/1/2010				_ DATE COM	//PLETE	D:4	4/1/2010 RECORDED BY: AZ					
GROUN	DWATER D	EPTH W	HILE DR	ILLING:	~9	ft. bgs	AFTER COMPLETION: NA NA					
WEATH	ER:	51°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER: Russo Development, Inc.					
DRILL S	IZE/TYPE:		Macro	o-core	SAMF	PLE HAMME	ER: WEIGHTNA FALLNA					
	T											
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)					
1	1.0	0.4-2	U		1.71	20	0-0.4ft: Asphalt					
2	1.4	2-4	U	2	-	20	0.4-2ft: Gray silty gravel (coarse, angular, packed, moist)					
3	2.0	4-8	U	-	-	20	2-3ft: Brown silty sand (fine, dense, moist)					
4	2.8	8-10	U	-	35	22	3-6ft: Black silty sand (fine, dense, moist)					
5	2.0	10-12	U	-	SE SE	22	6-9ft: Grayish-brown silty sand (fine, dense, moist)					
							9-12ft: Brownish-gray silty sand (fine, dense, wet)					
							_					
							_					
							_					
							_					
NOTES	NA = Not A	nnlicable					Fill to ~2 ft. bgs					
	ft. bgs = fee		ound surf	ace	No suspect odors detected							

U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

*SS - SPLIT-SPOON SAMPLE

	LC	CS In	ıc.		BSUR	FACE LO	OG				
PROJEC	T/ LOCATIO	ON:		300 Ohio Str	eet, Buff	alo, New York	<	PROJECT No.	10B667.22		
CLIENT:								BORING/WELL No.			
									AZ		
								IPLETION:			
WEATHE	ER:	51°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo De	velopment, Inc.		
								NAFALL			
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)				
1	1.4	0.4-4	U		-	20	0-0.4ft: Aspha	lt			
2	7.1	4-6	U	-	-	16	0.4-2ft: Black silty gravel (coarse, angular, loose, most)				
3	21.3	6-8	U	-	-	16	2-12ft: Browni	sh-gray silty clay (high pla	sticity, soft, moist)		
4	18.7	810	U	-	-	16					
5	5.2	10-12	U	igi.	-	16					
							-				
							-				
							-				
NOTES	NA = Not A	onlicable	•				Fill to ~2 ft bas	8			

ft. bgs = feet below ground surface

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE P - PISTON TUBE

		CS Ir	1C.			SU	UBSURFACE LOG					
PROJEC	CT/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	·k	PROJECT N	0.	10B667.22		
CLIENT:					oment, Inc.							
DATE STARTED: 4/1/2010 DATE COM												
GROUNDWATER DEPTH WHILE DRILLING:			ILLING:		NA	AFTER COM	APLETION:		NA			
								R				
DRILL SIZE/TYPE:			Macre	o-core	SAMI	PLE HAMME	R: WEIGHT	NA	_ FALL _	NA		
	T	Τ	T									
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classi Soil Classificatio		escription ual Manual Method)		
1	1.7	0.4-4	U		-	20	0-0.4ft: Aspha	alt				
2	4.5	4-6	U	*:	-	24	0.4-1ft: Brown gravelly sandy silt (no plasticity, moist)					
3	6.8	6-8	U	-	-	24	1-5.5ft: Black gravelly sandy silt (no plasticity, moist)					
4	3.9	8-10	U	•	3	20	5.5-12ft: Brov	vnish-gray sandy	silty clay (hig	n plasticity, soft, most)		
							-					
5	2.7	10-12	U	-		20	-					
							1					
							1					
							-					
							-					
							-					
							-					
							-					
							-					
			-				-					
	Q0000 MAR NO	V65 10 10					G25.1/150 10 1000 10					
NOTES	NA = Not A ft. bgs = fee		ound oud	200			Fill to ~1 ft. bgs					
	ii. bys = 160	er neiow gro	ound Sull	ace			No suspect odors detected					

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

	LC	CS Ir	ıc.		SUBSURFACE LOG						
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	alo, New Yor	k	PROJECT No.		10B667.22	
1								BORING/WELL			
DATE STARTED: 4/1/2010 DATE COM											
								IPLETION:			
WEATHE	WEATHER: 51°F, Sunny DRILL F				G	eoprobe	DRILLER:	Rus	so Develop	ment, Inc.	
DRILL SIZE/TYPE: Macro											
Sample No.	PID/HNu Reading (ppm)	eading (Feet) (Inches) (Unified Soil Classification System-Visual Manual									
1	2.1	0.4-2	U			16	0-0.4ft: Aspha	alt			
2	50.7	2-4	U	<u> </u>	-	16 0.4-8ft: Black gravelly sand (fine, dense, moist)					
3	168	4-6	U		-	20	8-12ft: Gray silty clay (high plasticity, soft, moist)				
4	303	6-8	U	-	-	20	_				
5	13.5	8-10	U	*	120	22					
6	14.0	10-12	U			22					
NOTES	NA = Not A ft. bgs = fe	et below gr		ace	11.10	INDISTURBED	COMP. 12.81. 1.12.1.12.8.4	eum-type odors @ 3	3-8 ft. bgs		

	LC	CS Ir	ıc.		BSUR	FACI	ELO	G				
PROJEC	T/ LOCATION	 DN:		300 Ohio Str	eet, Buff	alo, New Yor	k	PROJECT N	lo.	10B667.22		
				Russo Develop								
				_ DATE COM								
GROUNDWATER DEPTH WHILE DRILLING:												
WEATHER: 51°F, Sunny DRILL					G	eoprobe	DRILLER:	F	Russo Develo	ppment, Inc.		
DRILL SIZE/TYPE: Macro-core					_ SAMF	PLE HAMMEI	R: WEIGHT	NA	_ FALL _	NA		
Sample No.	PID/HNu Reading (ppm)	ading (Feet) * (Inches) (Unified Soil Classification System-Visual Manu										
1	241	0.4-2	U	-	-	20	0-0.4ft: Aspha	It				
2	616	2-4	U	-		20	0.4-5ft: Black gravelly silty sand (fine, dense, most)					
3	462	4-6	U	-		18	5-8ft: Brown silty clayey sand (fine, dense, moist)					
4	27.7	6-8	U	. .		28	8-12ft: Browni	sh-gray silty sai	ndy clay (high	plasticity, soft, moist)		
5	15.7	8-10	U	-	-	18						
6	15.4	10-12	U	-	-	20						
							-					
***************************************							-					
							-					
_												
NOTES	NA = Not A		ound surf	ace			Fill to ~5 ft. bgs Suspect petrole	um-type odors	@ 3-5.5 ft. bgs	5		
		*SS -	SPLIT-SI	POON SAMPLE	U - U	INDISTURBED	TUBE P-P	ISTON TUBE	C - CORE			

	LC	CS Ir	ıc.			SU	BSUR	FACE L	OG
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	alo, New Yorl	k	PROJECT No.	10B667.22
CLIENT:								BORING/WELL No	
DATE ST								RECORDED BY:	
GROUNI	DWATER D	EPTH WH	IILE DR	ILLING:	AFTER COM	IPLETION:	NA		
WEATHE	ER:	51°F, Sun	ny	DRILL RIG:	eoprobe	DRILLER:	Russo D	Development, Inc.	
DRILL SI	ZE/TYPE:		Macr	o-core	R: WEIGHT	NA FAL	_L NA		
			l						
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	(Unified	Material Classification Soil Classification Syste	and Description em-Visual Manual Method)		
1	157	0.4-4	U	-	6				
2	21.7	4-8	U		-	18	0.4-4ft: Black	silty gravel (coarse, ang	ular, loose, moist)
3	98.4	8-10	U	-	-	24	4-8ft: Gray silt	y clay (high plasticity, se	oft, moist)
								1 10 7	(
4	16.8	10-12	U	-	-	24	8-12ft: Browni	sh-gray sandy silt (no p	lasticity, wet)
							-		
			-				-		
							-		
							1		
							25		
]		
				l l]		

Fill to ~4 ft. bgs

ft. bgs = feet below ground surface

Suspect petroleum-type odors @ 0-10 ft. bgs

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

10 10 10 10 10 10 10 10 10 10 10 10 10 1	LCS Inc. SUBSURFACE LOG												
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT No.	10B667.22				
								BORING/WELL No.					
III								RECORDED BY:					
GROUNI	DWATER D	EPTH WH	HILE DR	ILLING: _		NA	AFTER COM	MPLETION:	NA				
WEATHE	ER:	51°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Deve	elopment, Inc.				
DRILL SI	IZE/TYPE:		Macr	o-core	SAMI	PLE HAMME	R: WEIGHT	NAFALL	NA				
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-\					
1	-	0-4	U		1 = /	0	0-4ft: No reco	very					
2	102	4-8	U	-	-	15	4-12ft: Gray s	ilty clay (medium plasticity,	stiff, moist)				
3	175	8-10	U	2	121	17							
4	32.1	10-12	U	-		16							
							-						
							-						
							<u> </u>						
]						
							-						
							-						
NOTES	NA = Not A	pplicable					No apparent fill	encountered					

U - UNDISTURBED TUBE

ft. bgs = feet below ground surface

*SS - SPLIT-SPOON SAMPLE

Suspect petroleum-type odors @ 8-10 ft. bgs

C - CORE

P - PISTON TUBE

	LC	CS Ir	1C.			SU	BSUR	FACE LO	G		
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT No.	10B667.22		
								BORING/WELL No.			
								RECORDED BY:			
GROUNI	DWATER D	EPTH WH	IILE DR	ILLING:		NA	AFTER COM	IPLETION:	NA		
WEATHE	ER:	65°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Devel	lopment, Inc.		
DRILL SI	IZE/TYPE:	-	Macre	o-core	_ SAMI	PLE HAMME	R: WEIGHT	NAFALL	NA		
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-Vi	College Contract Contract (In the Section of Contract Con		
1	2.9	0.4-2	U		-	17	0-0.4ft: Aspha	It			
2	25.1	2-4	U	¥.	-	17	0.4-1ft: Gray silty gravel (coarse, angular, loose, moist)				
3	42.0	4-6	U	1=1	-	15	1-7ft: Brownish-black silty sand (fine, dense, moist)				
4	961	6-8	U		-	15	7-9ft: Brownish-gray silty clay (high plasticity, stiff, moist)				
5	998	8-10	U	-	-	20	9-12ft: Gray s	andy silt (low plasticity, moist)		
6	6.0	10-12	U	-	-	20					
]				
					-		-				
							1				

Fill to ~1 ft. bgs

ft. bgs = feet below ground surface

Suspect petroleum-type odors @ 2-12 ft. bgs

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

	LC	CS In	1C.		SUBSURFACE LOG					
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k	PROJECT No		10B667.22
								BORING/WEL		
1										AZ
										NA
l					Geoprobe DRILLEF					
DRILL SI	IZE/TYPE:	-	Macro	o-core	_ SAMI	PLE HAMME	R: WEIGHT	NA	FALL _	NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classific		escription ual Manual Method)
11	57	0.4-2	U		-	17	0-0.4ft: Aspha	lt		
2	268	2-4	U		-	17	0.4-1ft: Gray s	silty gravel (coarse	, angular, lo	ose, moist)
3	445	4-6	U	¥	-	20	1-12ft; Black s	silty sandy clay (hi	gh plasticity	medium stiff, moist)
4	523	6-8	U	-	-	20	-			
5	138	8-10	U	i - :	-	20	- - -			
6	5	10-12	U	-	-	20				
]			
							-			
							-			
							-			
							-			
NOTES	NA = Not A ft. bgs = fe		ound surf	I face			Fill to ~1 ft. bgs	eum-type odors @	1-8 ft. bgs	
		*SS -	SPLIT-SI	POON SAMPLE	U - L	JNDISTURBED	TUBE P-F	PISTON TUBE	C - CORE	

4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	LC	CS In	ıc.			SU	BSUR	FACE LC)G				
PROJEC	CT/ LOCATION	DN:		300 Ohio Str	eet, Buff	alo, New Yor	k	PROJECT No.	10B667.22				
CLIENT:								BORING/WELL No.					
								RECORDED BY:					
H.								IPLETION:					
				DRILL RIG: Geoprobe									
								NAFALL					
	T				T		<u> </u>		A CONTRACTOR OF THE SECOND				
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-\					
1	25	0.4-4	U		-	20	0-0.4ft: Aspha	lt					
2	-	4-8	U	-	*	0	0.4-1ft: Gray silty gravel (coarse, angular, loose, moist)						
3	12	8-10	U	-	-	15	1-4ft: Black gravelly silty sand (fine, dense, moist)						
4	>999	10-12	U	-	-	15	4-8ft: No reco	very					
5	7	12-14	U	-	-	20	8-12ft: Black	silty sand (fine, dense, wet)					
6	8	14-16	U	-	-	20	12-16ft: Brow	nish-red clay (high plasticity	v, stiff, moist)				
							-						
							-						
							_						
							-						
		-					-						
							-						
		-					1						
			-				1						
							1						
					1								

ft. bgs = feet below ground surface

Fill to ~4 ft. bgs

Suspect petroleum-type odors @ 8-12 ft. bgs

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

1	LC	CS In	ıc.			SU	JBSURFACE LOG					
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yo	rk	PROJECT I	No.	10B667.22		
II .										AZ		
										NA		
1							DRILLER:					
ı							R: WEIGHT					
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Soil Classificati	sification and E	Description Lual Manual Method)		
2	3	2-4	U	-	-	18	0.4-4.5ft: Brov	wnish-gray silty	sand (coarse,	medium, fine, dense,		
							moist)	,	•			
3	3	4-6	U) <u>4</u> 2	:=:	16]					
							4.5-11ft: Gray	silty clay (high	plasticity, soft,	moist)		
4	8	6-8	U	-	-	16						
		2 2 2	500				11-12ft: Brow	n silty sand (co	arse, medium,	fine, loose, wet)		
5	26	8-12	U	•	-	18	-					
			-									
							_					
							-					
							_					
	-				ļ		-					
							-					
							1					
	-				-		4					
NOTES	NA = Not A						Fill to ~0.4 ft. b					
	ft. bgs = fe	et below gr	ound sur	iace			No suspect odd	ors detected				

	LC	CS Ir	ıc.			SU	BSUR	FACE LO	G		
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k	PROJECT No.	10B667.22		
CLIENT:								BORING/WELL No			
DATE S								RECORDED BY:			
GROUN	DWATER D	EPTH WH	IILE DR	ILLING:	~8	ft. bgs	AFTER COM	MPLETION:	NA		
WEATH	ER:	65°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Deve	lopment, Inc.		
DRILL S	IZE/TYPE:		Macro	o-core	SAMI	PLE HAMMEI	R: WEIGHT	NAFALL	NA		
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-V			
11	-	0-8	U		-	0	0-8ft: No reco	very			
2	663	8-10	U	<u> </u>	2	12	8-10ft: Black silty sand (coarse, medium, fine, dense, wet)				
3	310	10-12	U	-		12	10-12ft: Brow	n silty sand (coarse, medium	, fine, dense, wet)		
							_				
							<u> </u>				
							_				
							-				
							_				
							-				
			ļ				-				
NOTES	NA = Not A	l Applicable					No apparent fill	l encountered			
	ft. bgs = fe		ound sur	face				eum-type odors @ 8-11 ft. bg	s		

U - UNDISTURBED TUBE

*SS - SPLIT-SPOON SAMPLE

C - CORE

P - PISTON TUBE

and a state of the	LC	CS Ir	ıc.			SU	UBSURFACE LOG				
PROJEC ⁻	T/ LOCATIO	DN:		300 Ohio Str	eet, Buff	falo, New Yor	ork PROJECT No. 10B667.22				
II.							BORING/WELL No. BH32				
DATE ST	ARTED:	4/2/	2010	_ DATE COM	//PLETE	D:4	4/2/2010 RECORDED BY: AZ				
GROUND	WATER D	EPTH WH	IILE DR	ILLING:	~9	ft. bgs	AFTER COMPLETION: NA				
WEATHE	:R:6	65°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER: Russo Development, Inc.				
DRILL SIZ	ZE/TYPE:		Macro	o-core	SAMI	PLE HAMME	ER: WEIGHT NA FALL NA				
			I								
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)				
1	5	0.4-2	U		-	15	0-0.4ft: Asphalt				
2	5	2-4	U		-	15	0.4-1ft: Black gravelly silty sand (fine, dense, moist)				
3	6	4-8	U	9	-	10	4-9ft: Brown silty sand (fine, dense, moist)				
4	3	8-10	U	*	-	17	9-12ft: Brown silty sand (fine, dense, wet)				
5	4	10-12	U		-	17					
							_				
							<u>-</u>				
							_				
							_				
NOTES	NA = Not A		ound oud	inno			Fill to ~4 ft. bgs				

	LC	CS Ir	ıc.			SU	BSURFACE LOG					
PROJEC	T/ LOCATIO	ON:		300 Ohio Str	eet, Buff	alo, New Yorl	k PROJECT No. 10B667.22					
							BORING/WELL No. BH33					
DATE ST	TARTED:	4/2/	2010	DATE CON	IPLETE	D:4	/2/2010 RECORDED BY:AZ					
1				70	(Table 1 Tabl	AFTER COMPLETION: NA						
					DRILLER: Russo Development, Inc.							
DRILL SI	ZE/TYPE:		Macre	o-core	R: WEIGHT NA FALL NA							
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)							
11	3	0.4-2	U	12	2	16	0-0.4ft: Asphalt					
2	3	2-4	U	-	-	16	0.4-2ft: Black silty sandy gravel (coarse, angular, loose, moist)					
3	3	4-6	U	-	-	17	2-6ft: Brownish-gray clayey silty sand (coarse, medium, fine, dense,					
	WW.	0.000				/ and tendings	moist)					
4	3	6-8	U	-	4:	17	O O O O O O O O O O O O O O O O O O O					
5	3	8-10	U	-	-	17	6-8ft: Brownish-gray silty sandy clay (low plasticity, stiff, moist)					
3	3	0-10		-		17	8-10ft: Black sandy silt (low plasticity, wet)					
6	3	10-12	U	-	-	17	o rom plantom (on plantom) may					
							10-12ft: Brownish-gray sandy silt (low plasticity, wet)					
							3					
	V =											
							1					

ft. bgs = feet below ground surface

Fill to ~2 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

2 2 2 0	LC	CS Ir	1C.			SU	SUBSURFACE LOG				
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	rk	PROJECT No.	10B667.22		
CLIENT:								BORING/WELL No.			
DATE ST								RECORDED BY:			
GROUNI	DWATER D	EPTH WH	IILE DR	ILLING:	~8	ft. bgs	AFTER COM	MPLETION:	NA		
WEATH	ER:	65°F, Sun	ny	DRILL RIG:	G	Seoprobe	_ DRILLER:	Russo Deve	lopment, Inc.		
DRILL S	IZE/TYPE:		Macro	o-core	_ SAM	PLE HAMME	R: WEIGHT	NAFALL	NA		
			Ī		1						
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-V	Common Common Participation of the Participation of the Common of the Co		
11	3	0.4-2	U		-	15	0-0.4ft: Aspha	alt			
2	3	2-4	U	-	2 0	15	0.4-8ft: Black silty clay (low plasticity, soft, moist)				
3	6	4-6	U	-	-	15	8-10ft: Black silty sand (fine, dense, wet)				
4	22.5	6-8	U	.=8	-	15	10-12ft: Red o	clay (high plasticity, stiff, wet)			
5	12	8-10	U	20	-	20					
6	5	10-12	U	-	-	20					
4:											
NOTES	NA = Not A						Fill to ~4 ft. bgs				
1	ft. bgs = fee	et below gro	ound surf	ace			No suspect odd	ors detected			

U - UNDISTURBED TUBE P - PISTON TUBE

C - CORE

*SS - SPLIT-SPOON SAMPLE

	LC	CS In	ıc.			SU	UBSURFACE LOG				
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k PF	ROJECT No.	10B667.22		
CLIENT:				Russo Develop	ment, Ir	ıc.	ВС	ORING/WELL No.	BH35		
DATE ST	TARTED:	4/2/	2010	DATE CON	//PLETE	D:4	/2/2010 RE	CORDED BY:	AZ		
GROUNI	DWATER D	EPTH W	HILE DR	ILLING:	NA AFTER CO			TION:	NA		
WEATH	ER:	35°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Deve	lopment, Inc.		
DRILL S	IZE/TYPE:		Macr	o-core	_ SAMI	PLE HAMME	R: WEIGHT	NA FALL	NA		
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	(Unified Soil (terial Classification and Classification System-Vi	(3)		
1	3	0.4-4	U	17.1	-	20	0-0.4ft: Asphalt				
2	5	4-8	U	-	•	15	0.4-5ft: Black silty gravel (coarse, angular, loose, moist)				
3	4	8-10	U	-	-	12	5-8ft: Brown silty clay (high plasticity, soft, moist)				
4	3	10-12	U	-	-	12	8-10ft: Blackish-gra	ay clayey silt (low plastic	ity, moist)		
							10-12ft: Brown san	d (fine, dense, moist)			
NOTES	NA = Not A ft. bgs = fee		ound surf	ace			I Fill to ∼5 ft. bgs No suspect odors de	tected			

3		CS II	1C.			SU	BSUR	FAC	E LO	G
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT	No.	10B667.22
				Russo Develop						
				_ DATE CON						
GROUNI	DWATER D	EPTH WH	HILE DR	ILLING:		NA	AFTER COM	PLETION:		NA
WEATHE	ER:	65°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:		Russo Develo	ppment, Inc.
DRILL SI	ZE/TYPE:	1 2 12 12 12 14 14 1	Macro	o-core	_ SAM	PLE HAMME	R: WEIGHT	NA	FALL _	NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	(Unified		sification and E	escription ual Manual Method)
							Did not comple	ete due to close	e proximity of n	atural gas utility
							-			
							-			
							-			
							-			
NOTES	NA = Not A	pplicable								
		*SS -	SPLIT-SE	POON SAMPLE	U - U	NDISTURBED	TUBE P-PI	STON TUBE	C - CORE	

3 3 3 3 3 3	LC	CS Ir	1c.			BSUR	FACE	E LO	G	
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k	PROJECT N	o	10B667.22
CLIENT:				Russo Develop	ment, In	ıc.		BORING/WE	LL No.	BH37
DATE ST	TARTED:	3/31	/2010	_ DATE COM	//PLETE	D:4	/2/2010	RECORDED	BY:	AZ
GROUN	DWATER D	EPTH WH	HILE DR	ILLING:	~1(ft. bgs	AFTER COM	IPLETION:		NA
WEATH	ER:	65°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	R	usso Develo	ppment, Inc.
DRILL S	IZE/TYPE:		Macr	o-core	SAMI	PLE HAMMEI	R: WEIGHT	NA	_ FALL _	NA
Sample PID/HNu Depth Type Blov No. Reading (Feet) *				Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)			
11	>999	0.4-4	U	-	-	20	0-0.4ft: Aspha	lt		
2	>999	4-6	U		-	17	0.4-4ft: Black	silty gravel (coar	se, angular, lo	oose, moist)
3	>999	6-8	U	-	•	17	4-10ft: Blackis	sh-green silty clay	y (low plastici	ly, medium stiff, dry)
4	-	8-12	U	120	-	0	10-16ft: Black	sandy gravel (co	oarse, angula	r, loose, wet)
5	>999	12-16	U	-	-	4				
							-			
							-			
]			
							-			
							-			

ft. bgs = feet below ground surface

Fill to ~4 ft. bgs

Suspect petroleum-type odors @ 0.4-16 ft. bgs

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

	LCS Inc. SUBSURFACE LOG											
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT No.	10B667.22			
CLIENT:								BORING/WELL No.				
DATE STARTED: 4/2/2010 DATE COM												
								IPLETION:				
WEATHE	ER:6	35°F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:	Russo Deve	elopment, Inc.			
1								NA FALL				
	 		Ī				ſ					
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Туре	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System-V				
11	6	0-2	U		-	13	0-3ft: Brownish	h-gray sandy silty gravel (co	arse, angular, loose,			
						200	moist)					
2	6	2-4	U		-	13						
	. 000	4.0		<u> </u>		16	3-12ft; Black s	ilty clay (high plasticity, soft	moist)			
3	>999	4-6	U		-	10						
4	>999	6-8	U	(4)	-	16						
,												
5	8	8-12	U		-	12						
							1					
							-					
			-		-		-					
			-				-					
							-					
							1					
							1					
			ļ				-					
-					-	-	-					
					-		1	(40)				
NOTES	NA - N-4 A	I nnliashia	1	<u> </u>			Fill to ~3 ft. bgs					
NOTES	NA = Not A ft. bgs = fe		ound surf	face				um-type odors @ 6-8 ft. bg:	s			
	J	9.						um-type staining @ 6-8 ft. b				

U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

*SS - SPLIT-SPOON SAMPLE

1	LC	CS Ir	ıc.		BSUR	FACE LC)G		
PROJEC	T/ LOCATION	DN:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT No.	10B667.22
II .					oment, Inc.				
I .					MPLETED: 4/2/2010				
l .								IPLETION:	
								Russo Dev	
DRILL S	IZE/TYPE:		Macr	o-core	SAMI	PLE HAMME	R: WEIGHT	NAFALL	NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification and Soil Classification System- silt (low plasticity, moist)	
2	3	4-8	U	-	-	10	8-12ft: No rec	overy	
3	-	8-12	U	-	-	0			
							1		
							-		
							-		
NOTES	NA = Not A	nnlicable	1		1		Fill to ~8 ft. bas	<u> </u>	

ft. bgs = feet below ground surface

No suspect odors detected

	LC	CS II	1C.		SUBSURFACE LOG						
PROJEC	T/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	k	PROJECT No.	10B667.22		
CLIENT: Russo Develop											
DATE STARTED: 4/2/2010 DATE COM											
GROUNDWATER DEPTH WHILE DRILLING:						NA	AFTER COM	IPLETION:	NA		
WEATHE	ER:	65°F, Sun	iny	DRILL RIG:	G	Seoprobe	DRILLER:	Russo Dev	elopment, Inc.		
DRILL SI	IZE/TYPE:		Macro	o-core	SAMI	PLE HAMME	R: WEIGHT	NAFALL	NA		
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)				
11	27	0-4	U	-		10	0-10ft: Black (gravelly silty clay (low plasti	city, soft, moist)		
2	4	4-8	U	-		10	10-12ft: Brownish-gray silty clay (low plasticity, soft, moist)				
3	23	8-10	U	•	-	13	-				
4	6	10-12	U	-	-	13		*			
NOTES	NA = Not A		ound surf	ace			No apparent fill No suspect odd				
N T		*SS -	SPLIT-SF	POON SAMPLE	U - U	INDISTURBED	TUBE P-F	PISTON TUBE C - COR	E		

	LC	CS In	lc.		BSURFACE LOG						
PROJEC	T/ LOCATIO	 DN:		300 Ohio Str	eet, Buff	falo, New Yor	k	PROJECT N		10B667.22	
				Russo Develop							
DATE STARTED: 4/2/2010 DATE COMPLETED											
	GROUNDWATER DEPTH WHILE DRILLING: NA										
										pment, Inc.	
DRILL SI	DRILL SIZE/TYPE: Macro-core SAMPLE						R: WEIGHT	NA	_ FALL _	NA	
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Туре		N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)				
1	-	0-4	U		-	0	0-4ft: No reco	very			
2	392	4-8	U	-		10	4-8ft: Black sa	ındy silt (low pla	sticity, moist)		
3	5	8-12	U	-	-	16	8-12ft: Browni	sh-gray silty cla	y (high plasticit	y, soft, moist)	
							-				
HT.							1				
]				
							-				
NOTES	NA = Not A	pplicable					No apparent fill	encountered			
	ft. bgs = fee	et below gro	ound surf	ace			Suspect petrole	um-type odors	@ 4-8 ft. bgs		
							Suspect petrole	um-type stainin	g @ 4-8 ft. bgs		
		*SS - S	SPLIT-SF	POON SAMPLE	U - U	NDISTURBED	TUBE P-P	ISTON TUBE	C - CORE		

	LO	CS II	1c.			SUBSURFACE LOG					
PROJEC	CT/ LOCATION	ON:		300 Ohio Str	eet, Buf	falo, New Yor	·k	PROJECT No.	10B667.22		
								BORING/WELL No			
DATE STARTED: 3/31/2010 DATE COM						D:4	1/2/2010	RECORDED BY:	AZ		
GROUNDWATER DEPTH WHILE DRILLING:						NA	AFTER COM	MPLETION:	NA		
								Russo D			
DRILL SIZE/TYPE: Macro-core					_ SAM	PLE HAMME	R: WEIGHT	NAFAL	L NA		
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)				
11	5	0-2	U		-	15	0-8ft: Black si	ilty gravel with brick (coa	rse, angular, packed, moist)		
2	10	2-4	U		-	15	8-12ft: Brownish-gray silty clayey sand (fine, dense, moist)				
3	4	4-8	U	-	-	8					
4	2	8-10	U		-	20					
5	2	10-12	U	-	-	20					
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
NOTES	NA = Not A ft. bgs = fee		ound surfa	асе			No apparent fill No suspect odd				
		*SS -	SPLIT-SF	OON SAMPLE	U - U	NDISTURBED	TUBE P-P	PISTON TUBE C - CO	ORE		