APPENDIX C STRATIGRAPHIC LOGS AND WELL CONSTRUCTION DIAGRAMS

2003 NYSDEC SITE INVESTIGATION

E A R T H T E C H A Tyco Infrastructure Services Company	Test Boring Log	Boring No. SB-1/MW-1
PROJECT: IIWA - Former Bar	ker Chemical Site #932119	Project No.: 66514
CLIENT: New York State Departm	ent of Environmental Conservation	WA: D003821-32
PURPOSE: Supplemental Soil	and Groundwater Investigation	Datum: Grade
SUBCONTRACTOR: GeoLog	<u> </u>	Date: 20-May-2003
METHOD: Direct Push	RIG: Geoprobe 5400 OPERATOR: Joe	Inspector: Kevin McGrath Hydrogeologist
SAMPLE INTERVAL: Continuous	SAMPLE DEVICE: MacroCore®	Hydrogeologist
Depth Sample (Feet) Number PID REC	WELL Geologic Description	Observations
	Gravel, crushed limestone parking lot. (· , oib
1 ND	Somewhat stiff, moist, dark reddish-brov some fine Sand and Gravel. Sub-angular gravels. (LOAM)	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Stiff, wet, red, \$ILT with fine Sand. (TILL)	
3 ND		Apparent water table at approximately 2.5' below grade
4 <u>ND</u>	Stiff, wet, red \$ILT, little fine Sand and (Well imbedded rounded gravels.	
5	(TILL)	5.5'
$\begin{bmatrix} 6 & - \\ \hline \end{bmatrix} (4-7) \begin{bmatrix} ND \\ \hline ND \end{bmatrix} 37"$	Very stiff, dry, red \$ILT with shale chips bedding in shale intact	s;
7	(Sapprolite -Shale)	7.0' Cut shale in shoe
8	REFUSED Bedrock at 7.0 feet	
9 —		
10		
11 —		
12		

Boring collapsed; drilled well adjacent to SB-1 location to 7 ft bg. Constructed well by inserting two feet of 1" schedule 40 PVC 10 slot screen wrapped with filter sock and fitted with sufficient riser to extend to grade. Sand filter pack of grade "0" industrial quartz gravity fed to 1-foot above top of screen. Bentonite pellets placed above seal to grade. Well completed with protective cover set in concrete.

	E A R T H T T E C H A Tyco Infrastructure Services Company				Test Boring Log	Boring SB-2/I	
PROJECT: IIWA - Former Barker Chemical Site #932119					emical Site #932119	Project N	Io.: 66514
CLIENT	Γ: New Y	ork State	Departn	nent of E	nvironmental Conservation	WA: I	0003821-32
PURPO	SE: Sup	plemen	tal Soil	and Gr	oundwater Investigation	Datum: 0	Grade
SUBCO	NTRACT	TOR: C	GeoLog	ic, NY		Date: 2	0-May-03
METHO	DD: Direc	t Push		RIG: 0	Geoprobe 5400 OPERATOR: Joe	Inspector	r: Kevin McGrath
SAMPLI	E INTERV	AL: Conti	nuous	SAMP	LE DEVICE: MacroCore®		Hydrogeologist
Depth (Feet)	Sample Number	PID	REC	WELL	Geologic Description		Observations
		ND			Topsoil and roots	0.5	
1 _		ND			Soft, moist, gray-brown, Clayey-\$ILT, little fine Sand; low plasticity, dull, occ pebb	oles 1.2	
_		ND	32"		Stiff, moist wet, red-brown, \$ILT with fine \$	Sand	
2 _	S-1	ND			and Gravel. Well rounded imbedded fine Goccasional pockets of medium sand (weathe		
_	(0 - 4)				pebbles)	iou out	
3 _	-				(TILL)		
-	-						
4 —		ND			do: more red, occasional pockets of blue-gra	v Silt	Apparent water table at
-	S-2	ND ND			g	5.2	approximately 3.5' below grade
5 —	(4 - 6.2)	ND	27"		Very stiff, dry, red \$ILT with shale chips;		
-	1	TVD			bedding in shale intact (Sapprolite -Shale)	6.2	
6 —	_				, 11	6.2	•
	1				REFUSED BEDROCK at 6.2 feet		
7 -	1						
8 —			•				
* -							
9 _							
-	-						
10 —	1						
-	1						
11 —	1						
-	1						
12 —					<u> </u>		

Constructed well by inserting two feet of 1" schedule 40 PVC 10 slot screen wrapped with filter sock and fitted with sufficient riser to extend to grade. Sand filter pack of grade "0" industrial quartz gravity fed to 1-foot above top of screen. Bentonite pellets placed above seal to grade. Well completed with protective cover set in concrete.

E A R T H T E C H A Tyco Infrastructure Services Company		Test Boring Log	Boring SB-3/1	g No. MW-3
PROJECT: IIWA - Former Bar	Project N	To.: 66514		
CLIENT: New York State Departm	ent of En	vironmental Conservation	WA: I	0003821-32
PURPOSE: Supplemental Soil	and Gro	oundwater Investigation	Datum: 0	Grade
SUBCONTRACTOR: GeoLogi	ic, NY		Date: 20)-May-03
METHOD: Direct Push	RIG: G	Geoprobe 5400 OPERATOR: Joe	Inspector	r: Kevin McGrath
SAMPLE INTERVAL: Continuous	SAMPL	E DEVICE: MacroCore®		Hydrogeologist
Depth (Feet) Sample Number PID REC	WELL	Geologic Description		Observations
ND		Topsoil and roots	0.66'	
1 — ND 34"		Loose, moist to wet, orange and red-brown, to fine SAND, little \$ilt; occasional pebbles (LOAM)	medium	Apparent water table at approximately 1.5"
(0 - 4) ND		Somewhat stiff, wet, red-brown, \$ILT with		below grade
3 _		Sand and Gravel. Well rounded imbedded f Gravels, occasional pockets of medium sand		strong odor (H2S?)
4		(weathered out pebbles) (TILL)		
ND		Stiff, wet, red \$ILT, little medium fine San Gravel. well imbedded rounded gravels, in stiffness and gravel content with depth.		very strong odor in freshly broken soil, dissipates rapidly
5 ND ND		(TILL)		rapidity
6 (4-8) ND 48"				
7 — ND				
8 ND		do: occasional pockets of blue-gray Clayey-red shale chips.	\$ilt and	
9 <u>S -3</u> ND 20"		(TILL)		
10		REFUSED	9.8	
11 _		TILL at 9.8 feet		
12				

Constructed well by inserting 4-feet of 1" schedule 40 PVC 10 slot screen wrapped with filter sock and fitted with sufficient riser to extend to grade. Sand filter pack of grade "0" industrial quartz gravity fed to 1-foot above top of screen. Bentonite pelletes placed above seal to grade. Well completed with protective cover set in concrete.

E A R T H T E C	н		Test Boring Log		Boring SB-4/N		
PROJECT: IIWA - Former Barker Chemical Site #932119						Project No.: 66514	
CLIENT: New York State	Departmen	nt of En	vironmental Conservation	V	WA: D	0003821-32	
PURPOSE: Supplemen	tal Soil a	nd Gro	oundwater Investigation	Γ	Oatum: C	Grade	
SUBCONTRACTOR: (BeoLogic,	, NY	<u></u>			1-May 03	
METHOD: Direct Push			Geoprobe 5400 OPERATOR:	Joe I	Inspector	: Kevin McGrath Hydrogeologist	
SAMPLE INTERVAL: Conti	nuous	SAMPI	E DEVICE: MacroCore®			Trydrogeologist	
Depth Sample (Feet) Number PID	REC V	WELL	Geologic Descrip	tion		Observations	
ND ND ND ND	48"		Topsoil and roots Very loose, wet, whitish-gray an to medium SAND. Banded appalternate layers of blue-green, grand white-gray sand. (WASTE) do: Soft, wet, blackish and blue-greemedium to fine Sand. Pockets of Sand. (WASTE) Stiff, moist to wet, red-brown \$\frac{1}{2}\$ and Gravel. Well imbedded, we to sub-angular gravels. (TILL) do: moist to dry at base REFUSEI Bedrock @ 1	earance with ay, orange-brown \$ILT, with fine ell rounded	_ <u>4.5'</u> fine 5.5'	Whitish crystals observed in fine sand pockets blackish staining around pebbles and in fine sand pockets	

Constructed well by inserting 10.0-feet of 1" schedule 40 PVC 10 slot screen wrapped with filter sock and fitted with sufficient riser to extend to grade. Sand filter pack of grade "0" industrial quartz gravity fed to 0.5-foot above top of screen. Bentonite pellets placed above seal to grade. Well completed with protective cover set in concrete.

E A R T H T E C P	1	Test Boring Log		Boring No. SB-5/MW-5	
PROJECT: IIWA - Former Barker			emical Site #932119	Project No.: 66514	
CLIENT: New York State I	Departm	ent of Er	nvironmental Conservation	WA: I	0003821-32
PURPOSE: Supplementa	al Soil	and Gro	oundwater Investigation	Datum: (Grade
SUBCONTRACTOR: G	eoLogi	c, NY		Date: 21	-May-03
METHOD: Direct Push		RIG: 0	Geoprobe 5400 OPERATOR: Joe	Inspecto	r: Kevin McGrath
SAMPLE INTERVAL: Continu	uous	SAMPI	LE DEVICE: MacroCore®		Hydrogeologist
Depth Sample (Feet) Number PID	REC	WELL	Geologic Description		Observations
1 — ND ND 2 — S - 1 ND 3 — ND 4 — ND 5 — ND 6 — S - 2 (4 - 8) 7 — ND 8 — ND 9 — ND 10 — S - 3 (8 - 12) 11 — ND	32"		Soft, wet, dark-brown \$ILT; abundant plan roots, and organic debris. Loose, wet, red-brown coarse to fine SAND; with fine Gravel and \$ilt. (LOAM) Stiff, wet, red-brown \$ILT, with medium-fin and Gravel. Well imbedded well rounded to sub-angular Gravels. (TILL) do: somewhat stiffer, moist to dry do: very stiff, dry	0.5' - 1.25 ae Sand	Blackish discoloration and Strong odor at base of core odor cut stone in shoe blackish stained soil; maybe smear from above. Strong odor when core is cracked.
12	14"		do: wet REFUSED @ 13.2		

Constructed well by inserting 10.0-feet of 1" schedule 40 PVC 10 slot screen wrapped with filter sock and fitted with sufficient riser to extend to grade. Sand filter pack of grade "0" industrial quartz gravity fed to 0.5-foot above top of screen. Bentonite pellets placed above seal to grade. Well completed with protective cover set in concrete.

E A R T H T E C H A Tyco Infrastructure Services Company	Test Boring Log	Boring No. SB-6/MW-6
PROJECT: IIWA - Former Bar	Project No.: 66514	
CLIENT: New York State Departm	nent of Environmental Conservation	WA: D003821-32
PURPOSE: Supplemental Soil	and Groundwater Investigation	Datum: Grade
SUBCONTRACTOR: GeoLog	-	Date: 21-May-03
METHOD: Direct Push	RIG: Geoprobe 5400 OPERATOR: Joe	Inspector: Kevin McGrath
SAMPLE INTERVAL: Continuous	SAMPLE DEVICE: MacroCore®	Hydrogeologist
Depth Sample (Feet) Number PID REC	WELL Geologic Description	Observations
ND	Soft, wet, highly organic \$ILT with fine	Sand 0.66'
1 — ND 26"	Somewhat stiff, moist, dark reddish-browsome fine Sand and Gravel. Sub-angular gravels. (LOAM)	wn \$ILT,
$\begin{bmatrix} 2 & - & S-1 \\ & (0-4) & ND \end{bmatrix}$		
3		
5 _ ND ND	Stiff, moist, red-brown and red-gray \$IL medium-fine Sand and Gravel. Well imb well rounded gravels. (TILL)	
6 S-2 ND 32"	very stiff at 6'	
7 —		7.5' cut red shale in shoe
8	REFUSED Bedrock @ 7.5	
9		
10		
11 _		
12		

Constructed well by inserting 3.5-feet of 1" schedule 40 PVC 10 slot screen wrapped with filter sock and fitted with sufficient riser to extend to grade. Sand filter pack of grade "0" industrial quartz gravity fed to 1-foot above top of screen. Bentonite pelletes placed above seal to grade. Well completed with protective cover set in concrete.

	_				/D / D ! I	Boring	g No.
	E A R T H T E C H A Tyco Infrastructure Services Company			Test Boring Log		B-7	
PROJEC	CT: IIWA - Former Barker Chemical Site #932119				Project N	No.: 66514	
CLIENT	: New Y	ork State	Departn	ent of E	nvironmental Conservation	WA: I	0003821-32
PURPO	SE: Sup	plemen	tal Soil	and Gr	oundwater Investigation	Datum: 0	Grade
SUBCO	NTRACT	OR: C	GeoLog	ic, NY		Date:	20-May-03
METHO	D: Direct	t Push		RIG: 0	Geoprobe 5400 OPERATOR: Joe	Inspecto	r: Kevin McGrath
SAMPLE	E INTERV.	AL: Conti	nuous	SAMP	LE DEVICE: MacroCore®		Hydrogeologist
Depth (Feet)	Sample Number	PID	REC	WELL	Geologic Description		Observations
_		ND			Very soft, wet, dark-brown, \$ILT; highly orgabundant plant roots and decayed organics.	0.75'	Perched water
1 —		ND	37"		Loose, wet orange-brown medium-fine SAN with <u>\$\silt</u> Loose, wet, brown, medium-fine SAND,	1.2'	Faint odor (swamp gas?)
2 —	S - 1 (0 - 4)	ND			little \$ilt and fine Gravel Stiff, moist, red-brown and red-gray \$ILT, so	2.33'	
3 —					medium-fine Sand and Gravel. Well imbedd well rounded gravels. (TILL)		Strong Sulferous odor
4 —					do: DRY, occasional pockets of fine sand.		
5 —		ND				5.5	
6 —	S - 2 (4 - 8)	ND	48"		Very stiff, dry, red and blue-gray \$ILT, with Sand and Gravel. Pockets of blue-gray \$ILT		
7 —		ND			orange-brown fine sand. (TILL)		
8 —		ND					
_	S -3 (8 - 9.2)	ND	14"		do:		
9 —					REFUSED	9.2'	
10 —					TILL at 9.2 feet		
11 —							
12 —							
12 —		<u> </u>					

 $After \ consultation \ with \ NYSDEC, MW-7 \ was \ cancelled \ due \ to \ very \ high \ TILL \ interface \ at \ this \ location.$

E A R T H T T E C H A Tyco Infrastructure Services Company	Test Boring Log	Boring No. SB-8	
PROJECT: IIWA - Former Ba	ker Chemical Site #932119	Project No.: 66514	
CLIENT: New York State Departr	nent of Environmental Conservation	WA: D003821-32	
PURPOSE: Supplemental Soil	and Groundwater Investigation	Datum: Grade	
SUBCONTRACTOR: GeoLog	ic, NY	Date: 21-May-03	
METHOD: Direct Push	RIG: Geoprobe 5400 OPERATOR: Joe	Inspector: Kevin McGrath	
SAMPLE INTERVAL: Continuous	SAMPLE DEVICE: MacroCore®	Hydrogeologist	
Depth (Feet) Sample Number PID REC	WELL Geologic Description	Observations	
2 - S-1 (0-4)	Topsoil and roots Loose, wet, blackish-brown coarse to fine S. (FILL) Very loose, wet, whitish-gray and red-brown to medium SAND. Banded appearance with alternate layers of blue-green, gray, orangeand white-gray sand. (WASTE) Very soft, wet, highly organic blackish SIL	1.16' n coarse h brown, White crystals and pockets of elemental sulfer	
4	(WASTE) Stiff, wet, red-brown \$ILT with fine Sand Gravel. Abundant well imbedded sub-ang to well rounded Gravel. (TILL)	4.8' and	
9 — S - 3 (8 -10.4) 26"	Weathered Shale (Sapprolite) REFUSED	10.0'	
11	BEDROCK at 10.4"		
NOTES:			

E A R T H T E C H A Tyco Infrastructure Services Company	Test Boring Log	Boring No. SB-9
PROJECT: IIWA - Former Bar	ker Chemical Site #932119	Project No.: 66514
CLIENT: New York State Departm	nent of Environmental Conservation	WA: D003821-32
PURPOSE: Supplemental Soil	and Groundwater Investigation	Datum: Grade
SUBCONTRACTOR: GeoLogi	c, NY	Date: 21-May-03
METHOD: Direct Push	RIG: Geoprobe 5400 OPERATOR: Joe	Inspector: Kevin McGrath
SAMPLE INTERVAL: Continuous	SAMPLE DEVICE: MacroCore®	Hydrogeologist
Depth Sample (Feet) Number PID REC	WELL Geologic Description	Observations
2 — S-1 — 26" 3 —	Topsoil and roots (FILL) Very loose, wet, whitish-gray and red-brown to medium SAND. Banded appearance with alternate layers of blue-green, gray, orange-tand white-gray sand. (WASTE)	ı
4	Very soft, wet, highly organic blackish SIL (WASTE) Stiff, wet, red-brown \$ILT with fine Sand a Gravel. Abundant well imbedded sub-anguto well rounded Gravel. (TILL)	6.2' nd
9 — S - 3 — 22" 10 — 22"	do;	10.1'
11	REFUSED Till at 10.1'	
12		
NOTES:		

E A R T H T E C H A Tyco Infrastructure Services Company				Test Boring Log	Boring SB-10	
PROJECT: IIWA - Former Bark			ker Che	emical Site #932119	Project N	o.: 66514
CLIENT: N	ew York State	e Departm	ent of E	nvironmental Conservation	WA: I	0003821-32
PURPOSE:	Supplemen	ıtal Soil	and Gr	oundwater Investigation	Datum: C	Grade
SUBCONTE	RACTOR: (GeoLogi	c, NY		Date: 2	21-May-03
METHOD: 1	Direct Push		RIG: 0	Geoprobe 5400 OPERATOR: Joe	Inspector	: Kevin McGrath
SAMPLE INT	TERVAL: Cont	inuous	SAMP	LE DEVICE: MacroCore®		Hydrogeologist
-	mple mber PID	REC	WELL	Geologic Description		Observations
	ND ND - 1 - 4)	32"		Topsoil and roots Loose, wet, blackish-brown coarse to fine Sa (FILL) Very loose, wet, whitish-gray and red-brown to medium SAND. Banded appearance with alternate layers of blue-green, gray, orange-b and white-gray sand. (WASTE)	1.2' coarse	
4	ND ND			Medium dense, moist, red-brown \$ILT with Sand. Occasional pockets of blue-gray \$ilt a orangeish medium Sand.		yellowish and white crystals
-	- 2 - 8) ND ND	48"		Stiff, wet, red-brown \$ILT with fine Sand at Gravel. Abundant well imbedded sub-angul to well rounded Gravel. (TILL)	nd	bands of black staining
	ND - 3 10.3) ND	22"		do: very stiff, more coarse and medium San somewhat coarser gravels. occasional chips and blue-gray shales.		
					10.3'	
11 —				REFUSED Till at 10.3'		
12						
NOTES:						

E A R T H T E C H A Tyco Infrastructure Services Company		Test Boring Log	Boring SB-11	g No. /MW-11
PROJECT: IIWA - Former	PROJECT: IIWA - Former Barker Chemical Site #932119			
CLIENT: New York State De	epartment of E	nvironmental Conservation	WA: I	0003821-32
PURPOSE: Supplemental	Soil and Gro	oundwater Investigation	Datum: 0	Grade
SUBCONTRACTOR: Geo	Logic, NY		Date: 2	1-May-03
METHOD: Direct Push	RIG: 0	Geoprobe 5400 OPERATOR: Joe	Inspector	r: Kevin McGrath
SAMPLE INTERVAL: Continuou	ous SAMPI	LE DEVICE: MacroCore®		Hydrogeologist
Depth Sample (Feet) Number PID R	REC WELL	Geologic Description		Observations
_ ND		Soft, wet, dark-brown \$ILT; abundant plan roots, and organic debris	0.66'	
1 — ND	32"	Somewhat stiff, moist, dark reddish-brown some fine Sand and Gravel. Sub-angular to gravels. (LOAM)		
2 S-1 (0-4) ND		Stiff, moist, red-brown and red-gray \$ILT, medium-fine Sand and Gravel. Well imbe	some	
3 —		well rounded gravels. (TILL)		
4		do:		
5 ND				
6 S-2 ND	42"		6.0'	
(4 - 8) ND		Medium dense, wet, gray-brown, medium- SAND with fine Gravel	fine <u>6</u> .5'	
7 ND		Very stiff, moist, red-brown \$ILT		
8		END BORING @ 8.0'		
9				
10				
12				

Constructed well by inserting 3.0-feet of 1" schedule 40 PVC 10 slot screen wrapped with filter sock and fitted with sufficient riser to extend to grade. Sand filter pack of grade "0" industrial quartz gravity fed to 1-foot above top of screen. Bentonite pellets placed above seal to grade. Well completed with protective cover set in concrete.

E A R T H T E C H A Tyco Infrastructure Services Company	Test Boring Log	Boring No. SB-12/MW-12
PROJECT: IIWA - Former B	Project No.: 66514	
CLIENT: New York State Depar	ment of Environmental Conservation	WA: D003821-32
PURPOSE: Supplemental So	il and Groundwater Investigation	Datum: Grade
SUBCONTRACTOR: GeoLo	gic, NY	Date: 21-May-03
METHOD: Direct Push	RIG: Geoprobe 5400 OPERATOR: Joe	Inspector: Kevin McGrath
SAMPLE INTERVAL: Continuous	SAMPLE DEVICE: MacroCore®	Hydrogeologist
Depth Sample (Feet) Number PID REC	WELL Geologic Description	Observations
ND	Soft, wet, dark-brown \$ILT; abundant pl roots, and organic debris	ant stems, 1.25'
ND	Stiff, dry, red-brown \$ILT with fine Sand	and Gravel
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
3		
4 ND	do: pockets of coarse-medium sand, seam	ns of fine
5ND	sands, pockets of blue-gray \$ilt and claye free moisture observed in sand pockets an	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
7		
-		8.0'
8 -	End Boring @ 8.0	0.0
9	Zina zering (g) eit	
10		
I →		
11 —		
I → ├──		
12		l

Constructed well by inserting 4-feet of 1" schedule 40 PVC 10 slot screen wrapped with filter sock and fitted with sufficient riser to extend to grade. Sand filter pack of grade "0" industrial quartz gravity fed to 1-foot above top of screen. Bentonite pelletes placed above seal to grade. Well completed with protective cover set in concrete.

E A R T H T E C H A Tyco Infrastructure Services Company	Test Boring Log	Boring No. SB-13		
PROJECT: IIWA - Former Bar	ker Chemical Site #932119	Project No.: 66514		
CLIENT: New York State Departn	WA: D003821-32			
PURPOSE: Supplemental Soil	Datum: Grade			
SUBCONTRACTOR: GeoLog	ic, NY	Date:		
METHOD: Direct Push	RIG: Geoprobe 5400 OPERATOR: Joe	Inspector: Kevin McGrath		
SAMPLE INTERVAL: Continuous	SAMPLE DEVICE: MacroCore®	Hydrogeologist		
Depth Sample (Feet) Number PID REC	WELL Geologic Description	Observations		
22" 2 - S-1 (0-4) 3 - 4	Topsoil and roots Loose, wet, blackish-brown coarse to fine Sa (FILL) Very loose, wet, whitish-gray and red-brown to medium SAND. Banded appearance with alternate layers of blue-green, gray, orange-band white-gray sand. (WASTE)	1.16' n coarse		
5 — S - 2 (4 - 8) 7 — 7	Stiff, wet, red-brown \$ILT with fine Sand at Gravel. Abundant well imbedded sub-angul to well rounded Gravel. (TILL)			
9 — S - 3 (8 -10.3) — 22"	do:			
10		10.3'		
11 —	REFUSED Till at 10.3'			
12	L L			
NOTES:				

2012 LABELLA PHASE II ENVIRONMENTAL ASSESSMENT

TEST BORING LOG BO	DRING: #/ TPMUT
	EET 1 OF
Associates, P.C. Associates, P.C. West Sampset Rd., CHI	B: Bortho Chemical
SUUSIALE SIREET, ROCHESTER, NI	CV.
	ME: 9am TO
DRILLER: VCAUTE'S LXCA GROUND SURFACE ELEVATION: DAT	TUM:
LABELLA REPRESENTATIVE: CVL START DATE: G-14-12 END DATE: 45-14-12	
TYPE OF DRILL RIG: COOK DRIVE SAMPLER TYPE: AUGER SIZE AND TYPE: OVERBURDEN SAMPLING METHOD: Direct Push OTHER:	
OVERDORDEN SAMPLING METHOD. DIJECT PUSIT	
	PID FIELD
P	CREEN
T SAMPLE NO SAMPLE STRATA VISUAL CLASSIFICATION (I	(PPM) REMARKS
0-4+ Brown silt (p,m)	0
- 48" none	
	0
[] 	.
6 12 48" none 4-8ft-5AA	0
	0
8	
143 8-1084-SAA	
10 10 10 10	
12/4 MO DELLA CONTROL OF TO	5,1
10 36+ 18" 10-116+-Brain sandy silt (1p in)	7 11
X	
	1 1
Equipment refusal @ 11ft. logs -	
14	
40	
16	
18 Wo odors) staining observed	
WATER LEVEL DATA BOTTOM OF BOTTOM OF GROUNDWATER NOTES:	
DATE TIME ELAPSED CASING BORING ENCOUNTERED - Trace GW	
GENERAL NOTES THAT I THE GENERAL NOTES	
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL	L.
WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDY On the state of	WATER
some = 20 to 35% m = medium BGS = Below the Ground Surface	
little = 10 to 20%	DRING:

						<u> </u>				
	IVI				BORING:					
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		Ass	sociates,			nner Cheri				
300 ST	ATE STREET,	ROCHESTER	NY		CHKD BY:					
			CONSULTANT	s louis	CIA					
0.00000	TRACTOR:					an to				
DRIL	LER: :LLA REPRES	SENTATIVE:		GROUND SURFACE ELEVATION: END DATE: 4/14/2010	DATUM:					
				OTHER STREET						
	TYPE OF DRILL RIG: DRIVE SAMPLER TYPE:									
ACCES OF A	AUGER SIZE AND TYPE: INSIDE DIAMETER: ~1.8-Inch OVERBURDEN SAMPLING METHOD: Direct Push OTHER:									
	OVERBURDEN SAMPLING METHOD: Direct Push OTHER:									
D		SAMPLE			PID					
E P					FIELD SCREEN					
Т	SAMPLE NO		STRATA	VISUAL CLASSIFICATION	(PPM)	REMARKS				
<u>н</u>	AND DEPTH	RECOVERY	CHANGE							
0	#\				^					
	#1	11		0-4 ft - Bransit (1pm)	\cup					
		LR	and	0-744-RUM 214 (BW)						
2	\	0/0	Ilm.	7.7						
	4			8	1.31					
	,					1				
4										
	110				()					
6	42	ITZ"	- 00	5AA-4-867	\subseteq					
"		40	Marc	JAN 100'						
	U'				011					
					OUL					
-8										
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_	#3	"11		8-10 ft SAA						
(10)		98	none	0 10 01 27 1.14	-					
	Δ,	1.5	11000		Mr.					
	上				NO 1					
72										
				E- 10 mot rofuel @ 1001 1-						
14				Equipment referred @ 1064, bys						
14				, ,						
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						1				
16										
18				* no oclars /staining						
				1 300.3	l					
				\cdot \cup						
v	VATER LEVEL	DATA	ВОТТОМ ОБ	BOTTOM OF GROUNDWATER NOTES:						
DATE	TIME	ELAPSED	CASING	1 T - 11	1					
	DATE TIME CLAPSED CASING BORING ENCOUNTERED - DO GLI OSCINED									
GE	NERAL NOT									
				INT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADU						
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER 3) Abbreviations and = 35 to 50 % c = coarse										
	oj Abbieviali	0110	some = 20 to		١					
			little = 10 to 2	0% f = fine NA = Not Applicable	BORING:	#7				
			trace = 1 to 1	0% vf = yery fine	BURING:	1 d .				

ENVIR	ATE STREET,	ROCHESTER,	CONSULTANT	s	27.13	EST BORING LOG	1111	CHKD BY:	1 OF New Chen
DRILL	TRACTOR: LER: LLA REPRES	SENTATIVE:		BORING LOCAT GROUND SURF START DATE:	FACE ELEVATION:	END DATE: 4/14/201	5. 10	DATUM:	ØQ TO
AUGE	OF DRILL RI ER SIZE AND RBURDEN SA	TYPE:	THOD: Direc	t Push		DRIVE SAMPLER TYPE INSIDE DIAMETER: ~1.0 OTHER:			
D E P T H	SAMPLE NO AND DEPTH		STRATA CHANGE		VISUAL C	LASSIFICATION		PID FIELD SCREEN (PPM)	REMARKS
0	41	48"		06261	3rounsilt (Ipim) Isand (fild)		0.1	
4	4'	40			ft, Brun s			6.1	
6	번2	48"		4-5H	-SAA t-Brangro	welly silt (pin) ilt (ipin)		0	
8	4'			G-8 A	- Brown s	ilt (Ip,m)		0	
10	3.5	48'		8-10,7	5' Brung	sowelly sitt (p.	mbw)		
12									
14				Egrip	pront refu	ical @ 10.75)		
16				* NO()	odors/staini	ng doserved			
18				*Rote moved for 2r	uscil @ 26° ~26+ east ~1 attempt	t, on ititical to to attempt BHI	3		
DATE	VATER LEVEL TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	NOTES:	,)	•	
	The second second second	ES CATION LINI EVEL READ ons		ENT APPROXIMA BEEN MADE AT 0 % 35% 20%		EEN SOIL TYPES, TRANSITION NDITIONS STATED, FLUCTUAT BGS = Below the Ground NA = Not Applicable	IS MAY BE GRA		+ 2

	ATE STREET,	ROCHESTER	sociates, , ny			TEST BORIN	IG LOG	BORING: SHEET JOB: BCA CHKD BY:	CI)TPMW ther Chen
CON'	TRACTOR:		CONSULTAN	BORING LOCA	TION: BITCH FACE ELEVATION:	END DA	TE: 4/14/2010	TIME:	081150
AUGI	OF DRILL R ER SIZE AND RBURDEN SA	TYPE:	THOD: Direc	et Push			AMPLER TYPE: DIAMETER: ~1.8-Inch		
D E P T	SAMPLE NO		STRATA		VISUAL	. CLASSIFICATION	N	PID FIELD SCREEN (PPM)	REMARKS
0	# \	40'	CHANGE	0-367	Brown Silt	(pd)		0	
2	4'	90		3-4 (f Grayish-l	plocih sil	(p,m)	0.1	Sulfes odo/
6	7) 1)	48"		4-86	t Gray San	dysilt ((mp,m)	0.2	_sulfer oder
10-	#3	13"		8.75-9	f Gray sand It of Grayin	oh-red s	(p,w)	0	no odors
12 14				*Equip	iment refor	sala c	1.1 64 bys		-
16									
18				2			9		
	VATER LEVEL	DATA ELAPSED	воттом оғ	воттом оғ	GROUNDWATE				
ATE	TIME	TIME	CASING	BORING 9.1-Ft.	ENCOUNTERE	D			
GE		ICATION LIN		ENT APPROXIM BEEN MADE AT	ATE BOUNDARY BET	ONDITIONS STAT	S, TRANSITIONS MAY BE TED, FLUCTUATIONS OF		
			little = 10 to 2 trace = 1 to 1	20%	f = fine vf = very fine		Applicable	BORING:	1 4

	IAI				TEST	BORING LOG	BORING:	#5
	M	3F					SHEET	1 OF
				_			JOB:	
		ASS	sociates, l	P.C.			CHKD BY:	
	ATE STREET,						The same of the same	
		NGINEERING	CONSULTANT	S BORING LOCAT	10N: #\$		TIME: 112	ООГТО
DRILI	TRACTOR:				ACE ELEVATION:		TIME: [**]	API 110
0	LLA REPRES	SENTATIVE:		START DATE:	AGE ELEVATION.	END DATE: 4/14/2010	DATOM.	•
	OF DRILL R					DRIVE SAMPLER TYPE:		
	ER SIZE AND		TUOD: 0:	. D b		INSIDE DIAMETER: ~1.8-Inch		
OVER	KOUKDEN SA	AMPLING ME	THOD: Direct	t Pusn		OTHER:		
D		CAMPLE					DID.	
E		SAMPLE					PID FIELD	
P	CALIBI E NO	Lame	LOTOLTA		\((0)\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	WEIG ATION	SCREEN	DE141BV0
T H	SAMPLE NO	RECOVERY	STRATA CHANGE		VISUAL CLASS	NOT THE THE PARTY OF	(PPM)	REMARKS
0				0-	gray grovel (1		
	#1	3,11		Ara 5	100	- ()	امدا	
	世!	36"		101001 10	flood of constant (C)	1,4,50,1,0)	0.6	
		an		,	1 ' 0 '	• • •	0.0	
2	41	Caran.			L			· · · · · ·
	4			Gray 5	1	1	12.7	sulter
			1	Gray 4	hp,n	1\	0.6)ak
				}	·	3		Gar.
4								•
				45 ++	SAA		1	
- 2	142				74.14		_ 7.4	
6	,	P18"	1					
	1, 1	'		- 50	11.	6		-
	14			2-842	Brown silt	(15'w/	1611	
			1 1			\mathcal{T} .	10.4	
8								
							62	
10				-000	mand cole.	10 8616	1932	
10				Sol.	acolla ilbair	1 @ 8ft lags		
						- ()	49	
						0	201	
12								
14							-	•
_ 16					7 11			
				1	l-salla al.	a at at it it is	ر ا	
				-11001	1 DIDING CICL	n chistan of th	ן כי	
			1	١. ١	1.0 1.a 1	1 11/1	-1	
18				wring	at your, noor t	ou out outlose	N/4	
				3. A		. 0 , 0		
				119,60	morred Otill	n at start of this ecop out different lings at 1:30pm		
	NATES (= :=:	L DATE				INSTES:	9	
DATE	VATER LEVEL	ELAPSED	BOTTOM OF CASING	BOTTOMOF	GROUNDWATER ENCOUNTERED	IVOLEO:		
DATE	TIME	TIME	CASING	BORING	ENCOUNTERED	4		
- AF	NEDAL MOT	L		O -Ft.				
GE	NERAL NOT 1) STRATIF		ES REPRESE	ENT APPROXIMA	ATE BOUNDARY BETWEEN S	OIL TYPES, TRANSITIONS MAY BE	GRADUAL.	
						ONS STATED, FLUCTUATIONS OF		
	3) Abbreviati		and = 35 to 5		c = coarse	1:		
			some = 20 to	35%	m = medium	BGS = Below the Ground Surface		
			little = 10 to 2		f = fine	NA = Not Applicable	BORING:	11
			trace = 1 to 1	0%	vf = very fine			~ 0

IA	DF	1 1 /			TEST BORING L	OG	BORING:)
	NRH						SHEET	1 OF
	Ass	sociates. F	2C.				JOB:	
OO STATE STO	EET, ROCHESTER	,-					CHKD BY:	
	AL ENGINEERING	CONSULTANTS		110				
CONTRACTO DRILLER:	R:		BORING LOCAT	ACE ELEVATION:			TIME: \ . SC DATUM:	OT MAK
	PRESENTATIVE:		START DATE:	AGE ELEVATION.	END DATE:	4/14/2010	DATOW.	
TYPE OF DR	LL RIG				DRIVE SAMPL	FR TYPE:		
AUGER SIZE						TER: ~1.8-Inch		
OVERBURDE	N SAMPLING ME	THOD: Direct	Push		OTHER:			
D	SAMPLE						PID	
E	JAWII LL						FIELD	
T SAMPL	ENO SAMPLE	STRATA		VISUAL	CLASSIFICATION		SCREEN (PPM)	REMARKS
H AND DI	EPTHRECOVERY				/	i		
" #			0-164Gra	our sand	K.m. f. 501	cl)		
17			1	, 0	(1) 1-1	' /		
2	48"		1-484			1.		
1 41			Red-bro	our soul	(m f m)			
1 1			1,00	JOH ()	(6,10,10,1)		10	
4								
-								
1#	1		4-784	Gray Sanc	ly st (mp,	ω	0	
6	┤				I	.)		
Ĭ .	120			v	111/100			
14	· 190		7-8 68	au brown ?	24 (wp 'h	"		
8 1				Gray Sand Tay brown so Oraun Sandi		<i>-</i>		
	2		Cotan-to	ora n Sandi	asilt Mplo	15W		
- #:	5 2		Glory		1 3111 16	_ ,		
10	30"					-	-	
. '		1						
		1						
12								
							-	
14			-Earl	ipment refe	40 G 9	ft bux	-	
			- V.			(2)		
						V		
16							1	
_								
				. 1	1			
18			-510	Int sulfer	COCC			
				, , , ,				
WATER L	EVEL DATA	воттом оғ	воттом ог	GROUNDWATER	NOTES:			
ATE TIMI	ELAPSED TIME	CASING	BORING	ENCOUNTERED		xxiW. L	8-01	٠. <u>١</u>
			Q -Ft.		الم سای	ossibly at	0 or 98	ea
GENERAL 1) STR		ES REPRESE	NT APPROXIMA	ATE BOUNDARY BETW	EEN SOIL TYPES, TR	ANSITIONS MAY BE GR	RADUAL.	
2) WAT	ER LEVEL READ					LUCTUATIONS OF GRO		
3) Abbre	eviations	and = 35 to 50 some = 20 to 3		c = coarse m = medium	RGS = Relow +	he Ground Surface		
		little = 10 to 20		f = fine	NA = Not Appli		PODING:	40
		trace = 1 to 10	0%	vf = very fine			BORING:	90

	TAI	-	B B /	TEST BORING LOG	BORING:
	$ \Lambda $	m H		TEST BORING EOG	SHEET 1 OF
		Ass	ociates,	RC.	JOB:
300 !	STATE STREET,				CHKD BY:
	RONMENTAL E	NGINEERING		SORING LOCATION:	TIME: W Saktu TO
DR	LLER:			GROUND SURFACE ELEVATION:	DATUM:
LAE	BELLA REPRE	SENTATIVE:		START DATE: END DATE: 4/14/2010	
AU	PE OF DRILL F GER SIZE AND ERBURDEN S	TYPE:	THOD: Direc	DRIVE SAMPLER TYPE: INSIDE DIAMETER: ~1.8-inch OTHER:	
D E P		SAMPLE		341 341	PID FIELD SCREEN
T H	SAMPLE NO AND DEPTH	SAMPLE RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	(PPM) REMARKS
0				01 ff Group growel (c,m,f,l,sa,d) 1-3 ff-Brown silf (lp,m)	
	1#1				
2		48"		1-3 ft-Brown silt (IPIM)	
	u	10			
	-1			3-484 Light brown silt (mp,m)	0.1
4				3-944 Light das (311 (1711)	
	42				
6	W	4811		4x1 Bons Lill (mm m)	01
	4	10		4-8' Brown silt (mp,m)	
	1				0.1
8				11.6 00 11.	
	世 5	2811		8-9 Gray-brown silt (p, m tow)	0.4
10	1,	20		1	
	'				
12					
				-Paviament copied @ a file.	
14	1			-Equipment refusal @ 9 64 box	
				U	
16	-				
18				-no odors/staining	
				VO COOIS /S MINING	
DATE	WATER LEVEL	ELAPSED	BOTTOM OF CASING	BOTTOM OF GROUNDWATER NOTES: BORING ENCOUNTERED (1.1.4.4.1.1.1.4.1.1.1.1.1.1.1.1.1.1.1.1	C21 (22 (24)
-/11	INVIE	TIME	CAGING	9-FL COSSIDLY C	8961.
		EC		NT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY B	E CPADIIAI
	ENERAL NOT 1) STRATIF		ES REPRESI	NI AFFROAINATE BOUNDART BETWEEN SOIL TIFES, TRANSITIONS WAT B	E GRADUAL.
	1) STRATIF 2) WATER	FICATION LIN	INGS HAVE	EEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS O	
C	1) STRATIF	FICATION LIN		EEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF C = coarse	

								, ,			
	IAI			1	TE	ST BORING LOG	BORING:	_			
	L	\supset	LĽ				SHEET	1 OF			
		Ass	sociates,	P.C.			JOB:				
	ATE ATELET						CHKD BY:				
	ATE STREET, ONMENTAL EN			s			Ch				
	TRACTOR:			BORING LOCAT				5pmg0			
DRIL		CAITATILE.			ACE ELEVATION:	END DATE: 4/14/2010	DATUM:	1			
LABE	LLA REPRES	ENTATIVE:		START DATE:		END DATE: 4/14/2010					
1000 000 000	TYPE OF DRILL RIG: DRIVE SAMPLER TYPE:										
	ER SIZE AND		THOD, Diese	d Dunk		INSIDE DIAMETER: ~1.8-Inch					
OVER	OVERBURDEN SAMPLING METHOD: Direct Push OTHER:										
D		SAMPLE					PID				
E P							FIELD SCREEN				
7	SAMPLE NO		STRATA		VISUAL CL	ASSIFICATION	(PPM)	REMARKS			
H	AND DEPTH	RECOVERY	CHANGE								
0	#1										
	4			0-24	(360cm (3	scipl (cflead)	\perp				
	, .	48"			0.00	1000 (C 11/150,a)					
2	41	90	_	-			-				
	' '			21.0	. ^ _			1			
				7-4 47	1310W	Silt (mo m)					
4_						ravel (c,f,1,xa,d) Silt (mp,n)					
	#)	, ~,,		11-4-							
6	~	4811		14-7.81	+-SAA						
0		W-200			JAM						
	38,						2				
							\perp \bigcirc \perp				
8											
				_			1 1				
10				to in	201-10	10 77 01					
				الإامري	knt retuso	1 @ 7.8 ft, bogs					
12						9.	1 1				
								l			
14								l			
14											
W.25			1					1			
16			1		1 .1 .						
				-110	oclors stair	when					
					- 41	"/					
18						\cup					
V	VATER LEVEL	DATA	воттом оғ	BOTTOM OF	GRQUNDWATER	NOTES:					
DATE	TIME	ELAPSED	CASING	BORING	ENCOUNTERED						
		TIME		JO -Ft.							
GE	NERAL NOTE		EQ DESSE	ENT ADDROGUES	TE DOUBLE CONTRACT	THE OUT THE OF THE PROPERTY OF	DADUAL				
	150					EN SOIL TYPES, TRANSITIONS MAY BE GR					
	Abbreviation		and = 35 to 5		C = coarse	DITIONS STATED, FLUCTUATIONS OF GR	CONDWATER	1			
	,		some = 20 to		m = medium	BGS = Below the Ground Surface					
			little = 10 to		f = fine	NA = Not Applicable	BORING:	χ_t			
			trace = 1 to 1	10%	vf = very fine		1	U			

IA	DF		Λ		TEST BORING LOG	BORING:	9
	BE					SHEET	1 OF
		ociates.	_			JOB:	
			, ,_,			CHKD BY:	
00 STATE STREE NVIRONMENTAL			rs				4
CONTRACTOR:			BORING LOCAT			TIME: 410	2010
DRILLER: LABELLA REPR	ESENTATIVE:		GROUND SURF	ACE ELEVATION:	END DATE: 4/14/2010	DATUM:	ı
			CITATI DATE				
TYPE OF DRILL AUGER SIZE AN					DRIVE SAMPLER TYPE: INSIDE DIAMETER: ~1.8-	-Inch	
OVERBURDEN :		THOD: Direc	ct Push		OTHER:		
			I			Т	
D E	SAMPLE		Ja			PID FIELD	
P	OL CAMPUE	OTDATA		1/101141	CLASSIFICATION	SCREEN	DEMARKS
	IO SAMPLE THRECOVERY	STRATA CHANGE			CLASSIFICATION	(PPM)	REMARKS
0 #1			0-16	au Asapi	(piw)		
MA	MARCHE		L . 01	المسمل الم	(الماليداري		
Market IV	- Andrews			•	•		
2	204		1 1 1 1		1		
100	30"		1-4 Bre	un silt	(IPIM)		
4							
4							
· #2			11 71.				
6	48"		4-14	- SAA			
24	10			- 1- 1			
3.4						0	
8	-						
10						+	
12							
		ľ	0.0		11.0		
14			- Ket	usal (c)	7.4 ft. logs		
					0'		
40		28					
16							
40			-~	aux /	المالية		
18			'`	odus)s	INNUINCE	I	
					U		
10/4775 : 5: ::	EL DATA	DOTTO: 0	DOTTOLOG	ODO! PIONI	n INOTES		
ATE TIME	ELAPSED	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATE			
THAIL	TIME	OAUNG	J4 -Ft.	ENGOGNIERE			
GENERAL NO							
					WEEN SOIL TYPES, TRANSITIONS		
WATER Abbrevia		and = 35 to 5		c = coarse	CONDITIONS STATED, FLUCTUATI	ONS OF GROUNDWATER	
¥		some = 20 to	35%	m = medium	BGS = Below the Ground S	Surface	11.5
		little = 10 to 2 trace = 1 to 1		f = fine vf = very fine	NA = Not Applicable	BORING:	#4

2013 NYSDEC EXTENT OF CONTAMINATION INVESTIGATION

ROW A

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ν	L .

STARTED 8/7/2013 **FINISHED** 8/7/2013 SHEET

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. A(-2) SURF. ELEV

SHEET				SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICAL	L SITE	LOCATION: 8473 W. SO	MERSET ROAD
PROJ.	. NO.:	BEV-13-030		BARKER, N	EW YORK
DEPTH	PID		SOIL OR ROCK CLASSIFICATION		NOTES
FT.	READING	Brown Gray f-c SAN	D, some f-m Gravel, tr silt (mo	niet FILL)	
1			AY, little f-c Gravel, tr.sand (m		_
					Sample #1 Recovery 3.2'
2					_
		Becomes Stained Gr	ray, contrains tr ash		Sulphur odor noted on
3					Sample #1
4					Sample #2 Recovery 2.9'
		Pod Provin Clayov S	· · · · · · · · · · · · · · · · · · ·		Sample #2 Recovery 2.9
 5		(moist, ML)	ILT, little "carbon-like" nodule	es, occassional staining	_
_		(moist, will)			_
6					_
					_
7					Sample #3 Recovery 1.6'
		Gray Weathered SIL	TSTONE FRAGMENTS		-
8		Red Brown SILT, tr g	gravel (moist, ML)		
		Red Brown Silty CLA	Y, tr sand (moist, CL)		
9					_
					Collected samples at 2',
10					- 4', 6' and 8' for
		Gray Weather SILTS	STONE		analytical testing.
11			Refusal at 10.0'		_
					_
12					_
					_
13					_
14					_
''					_
 15					
16					
DRILLER:	R. STEIN	NER DRILL RIG TY	/PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	F INVESTIGA	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		
i					

SHEET

STARTED FINISHED 8/5/2013 8/5/2013 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

A(-1)

G.W. DEPTH See Notes

PROJECT:	BARKER CHEMICAL SITE	LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.:	BEV-13-030	BARKER, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
_ 1		Gray f-m GRAVEL and f-c Sand (moist, FILL) Red-Brown Silty Clay, little f-c Gravel, tr.sand (moist, reworked)	
2		Gray Clayey Silt, little f-c Sand, ash-like laminations (moist, FILL, possible Sludge)	Sample #1 Recovery 3.3'
3		Red-Brown Clayey Silt, ash-like lamination (moist, FILL, possible Sludge)	Correla #0 December 0 Cl
5		Red-Brown to Brown SILT, little Fine Sand (moist, ML)'	Sample #2 Recovery 2.6'
6			
7		Red-Brown Weathered SILTSTONE, occasional Silty Clay seams, occasional Calcite precipitates	Sample #3 Recovery 2.7'
9			Collected samples at 2.8',
10			4.0', 6.0' and 8.0' for analytical testing.
12		Refusal at 11.2'	
13			
14			
16			

DRILLER: R. STEINER DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH S	SAMPLING		

 STARTED
 8/5/2013

 FINISHED
 8/5/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

G.W. DEPTH

A-0

See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

DEPTH	PID	SOIL OR ROCK	NOTES
FT.	READING	CLASSIFICATION Gray Brown f-c SAND, little f Gravel, tr silt, tr organics (moist, FILL)	
		Red Brown Silty CLAY, tr gravel, tr coal (moist, FILL)	
1		Red Blown Silly CLAT, it graver, it coal (moist, FILL)	Sample #1 Recovery 3.1'
			_
2		Gray f-c GRAVEL, little f-c SAND, tr silt (moist, FILL, crusher run stone)	_
		Gray to White f SAND, some f-c Gravel, little Silt, tr wood (moist, FILL)	_
3			_
		Gray Clayey SILT, tr coal, occassional white laminations (moist, FILL, possible	
4		sludge)	_
		Brown Clayey SILT, tr sand (moist, ML)	Sample #2 Recovery 2.7'
5		Contains "and" f-c Sand (moist-wet)	_
			_
6		Brown SILT, some f Sand (moist-wet, ML)	_
7			
8			
		Red Brown Clayey SILT, tr sand (moist, ML)	Sample #3 Recovery 2.5'
9			
			_
10		Red-Brown Highly Weathered SILTSTONE	
11			
			_
12		Refusal at 11.4'	Collected samples at
			2.3', 4', 6', 8' and 10' for
13			analytical testing.
14			
			_
15			
			_
16			
DRILLER:	R. STEIN	IER DRILL RIG TYPE: GEOPROBE 6620DT CLASSIFIED BY:	GEOLOGIST
METHOD OF		<u> </u>	

STARTED **FINISHED** 7/10/2013 7/10/2013 1 OF

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICAI	L SITE	LOCATION: 8473 W. SO	MERSET ROAD
PROJ.		BEV-13-030		BARKER, NI	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
		Brown Clayey SILT,	tr.sand, tr.organics (moist, FII	_L)	
1		Gray f-c GRAVEL, tr	.sand, tr.silt (moist, FILL)		Sample #1 Recovery 0.9'
2					_
					_
_ 3					_
					_
4		Gray Clayey SILT (m	soiot FULL		Comple #2 Deceyon, 2 Cl
5	' ' '		f-c Sand, tr.organics/ roots (r	moist FILL)	Sample #2 Recovery 2.6'
\vdash $$ \dashv	``	+- ⁻	e SAND, some Silt, tr.gravel (╡
6			o o,,	,	_
7					
					_
8					_
					Sample #3 Recovery 3.0'
9					-
			sand, tr.clay (moist, ML)		-
10		Red-Brown-Gray We	eathered SILTSTONE		-
11					_
├ ''-					_
12			Refusal at 11.4'		Collected samples at
					6', 8', and 10' for analytical
13					testing.
14					
					_
15					
					_
16					
DRILLER:	A. KOS	KE DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIG	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		_

 STARTED
 7/10/2013

 FINISHED
 7/10/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. A-2
SURF. ELEV
G.W. DEPTH See

See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

DEPTH	PID	SOIL OR ROCK	NOTES
FT.	READING	CLASSIFICATION	
		Gray-Brown f-c GRAVEL, some f-c Sand, tr.silt (moist, FILL)	
1		Tan-Brown f-c SAND, tr.silt (moist, FILL)	
		Gray f-c Gravel, tr.organics/ roots (moist, FILL)	Sample #1 Recovery 1.3'
2			_
		Brown Clayey SILT, tr.gravel (moist, FILL)	_
3		Gray Fine Sand, tr.gravel, tr.silt (moist-wet, FILL)	_
		Red-Brown Fine Sand, some Silt, tr.coal (moist, FILL)	_
4			Sample #2 Recovery 1.5'
		Brown-Yellow Brown f-c GRAVEL, little f-c Sand, tr.silt (moist, GW, possible	_
5	, , , , , , , , , , , , , , , , , , ,	FILL)	_
		Brown-Red Brown Fine SAND and Silt (moist, SM)	Sample #3 Recovery 3.6'
6		Contains tr.gravel	_
7			<u> </u>
			_
8			_
		Dark Gray-Black SILT, tr.sand (moist, ML)	Sample #4 Recovery 1.9'
9		Red Brown-Gray Weathered SILTSTONE	_
	<u> </u>		_
10			_
			_
11		Refusal at 10.1'	Collected samples at
			4', 6', and 8' for analytical testing.
12			lesting.
13			\vdash
13			-
14			\vdash
14			
15			\vdash
<u> </u>			
16			_
DRII I ER:	A KOS	KE DRILL RIG TYPE- GEOPPORE 6620DT CLASSIFIED RY-	GEOLOGIST

DRILLER:	A. KOSKE	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF IN	VESTIGATION:	ASTM 6282 - DIRECT PI	USH SAMPLING			

STARTED **FINISHED** 7/10/2013 7/10/2013



SHEET		1 OF 1 ——		SERVICES, INC.	G.W. DEPTH See Notes
PROJI	ECT:	BARKER CHEMICAL	L SITE	LOCATION: 8473 W. SO	MERSET ROAD
PROJ.	NO.:	BEV-13-030		BARKER, NI	EW YORK
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
		Dark Brown Clayey S	SILT, little f-c Sand, tr.organics	(moist, FILL)	
1		Gray f-c Gravel, tr.sa	and, tr.silt (moist, FILL)		_
_		Brown Fine Sand, so	ome Silt, tr.brick (moist, FILL)		Sample #1 Recovery 1.4'
<u> </u>		Brown-Pod Brown Fi	 ine SAND and Silt, tr.gravel (m		Sample #2 Recovery 1.7'
3		Blown-Red Blown 11	ille SAND and Silt, tr.graver (tr	ioist, oivi)	Sample #2 Necovery 1.7
					_
4					_
 5					_
_ `_					Sample #3 Recovery 2.0'
6					<u> </u>
7		Red-Brown SILT, littl	e Fine Sand (moist, ML)		_
_ ′ _					_
8					
		Green Gray-Red Bro	wn Weathered SILTSTONE		Sample #4 Recovery 1.3'
9					_
10					_
			Refusal at 9.5'		Collected Samples at
11					4', 8', and 8.3' for
12					analytical testing.
13					_
 14					_
· ·					
15					
					_
16					
DRILLER:	A. KOS	KE DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST

ASTM 6282 - DIRECT PUSH SAMPLING

METHOD OF INVESTIGATION:

STARTED **FINISHED**

7/10/2013 7/10/2013



HOLE NO. SURF. ELEV

PROJECT:	BARKER CHEMICA	I SITE	LOCATION: 8473 W. SOI	MERSET ROAD
PROJ. NO.:	BEV-13-030	LOTTE	BARKER, NE	
DEPTH PID		SOIL OR ROCK		NOTES
FT. READI		CLASSIFICATION		
		SILT, little f-c Sand, tr.organics	/ roots (moist, topsoil)	_
1	Brown Clayey Silt, tr	.sand (moist, FILL)		_
	Tan Fine Sand, tr.sil			Sample #1 Recovery 3.2'
2		little Silt (moist, FILL)		_
	Brown-Gray Fine SA	ND, some Silt, tr.gravel (moist	, SM)	
3				_
				_
4				Sample #2 Recovery 3.0'
_ —				_
5				_
6	Gray-Red Brown We	eathered SILTSTONE		Limestone cobble fragments present on TUR
				_
7				_
				Comple #2 Deceyany 2.2!
8				Sample #3 Recovery 2.3'
9				_
9				_
10				_
				_
11		Refusal at 10.2'		Collected samples at
		Norwall at 10.2		2', 4', and 5.6' for analytical
12				testing.
				_
13				
14				
15				
16				
DDII I ED. A.	OOKE DRILL BIG TO	/DE: CEODDORF ceasor	OL ADDIELED BY	CEOLOGIST
DRILLER: A. METHOD OF INVES	OSKE DRILL RIG T	/PE: GEOPROBE 6620DT DIRECT PUSH SAMPLING	_ CLASSIFIED BY:	GEOLOGIST

STARTED **FINISHED** 7/10/2013 7/10/2013



SHEET	-	1 OF 1	SERV	ICES, INC.	G.W. DEPTH See Notes
PROJE	-CT·	BARKER CHEMICAL	SITE LOCATION	V: 8473 W SON	MERSET ROAD
PROJ.		BEV-13-030		BARKER, NE	-
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
FI.	READING	Brown Clayey SILT, 1	tr.sand, tr.organics/ roots (moist, topsoil)		
1		Contains little Fine S			_
		Brown Fine SAND ar	nd Silt (moist, ML)		Sample #1 Recovery 3.4'
2		Becomes Light Gray,	Contains little Silt		
3		Becomes Gray, Cont	ains some Silt		_
					_
4					Sample #2 Recovery 2.6'
 5					_
_ ~ _					_
6					_
7		Grav f-c GRAVEL so	ome Fine Sand, little Silt (moist, wet, GW)		
					_
8		Gray-Red Brown We	athered SILTSTONE		_
_					Collected complex at
9			Probe Complete at 8.0'		Collected samples at 2', 4', 6', and 6.9' for
10					analytical testing.
' -					
11					
12					_
					_
13					_
					\vdash
14					_
15					_
16					
DRILLER:	A. KOS	KE DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGA	ASTM 6282 - F	DIRECT PUSH SAMPLING		

DRILLER:	A. KOSKE	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT PU	JSH SAMPLING			

STARTED 7/10/2013 FINISHED 7/10/2013 SHEET 1 OF 1

DRILLER: A. KOSKE

METHOD OF INVESTIGATION:

SJB SERVICES, INC. **DIRECT PUSH LOG**



HOLE NO. SURF. ELEV

CLASSIFIED BY: GEOLOGIST

G.W. DEPTH See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD PROJ. NO.: BEV-13-030 BARKER, NEW YORK

PROJ.	NO.:	BEV-13-030 BARKER,	NEW YORK	
DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES	
		Dark Brown Clayey SILT, tr.sand, tr.organics (moist, topsoil)		
1		Brown Clayey Silt, little Fine Sand (moist, FILL)		
		Red-Brown Fine SAND, some Silt, tr.organics/ roots (moist, SM)	Sample #1 Recovery 3.0'	
2		Contains Fine Gravel seam at 1.5'		_
		(moist-wet)		
3		Becomes Gray, Contains "and" Silt		
4			Sample #2 Recovery 2.1'	
5				
6				
		Red-Brown SILT, tr.gravel, tr.sand (moist, SM)		
7		Green Gray-Red Brown Weathered SILTSTONE	. –	_
				_
8				_
				_
<u> </u>		Probe Complete at 8.0'	Collected samples at	_
			2', 4', 6.4' for	
10			analytical testing.	
				_
11				_
				\dashv
12				_
13				-
- ¹³				-
14				_
' <i>*</i>				_
15				-
<u> </u>				_
16				_
	l	1		

GEOPROBE 6620DT

DRILL RIG TYPE:

ASTM 6282 - DIRECT PUSH SAMPLING

SHEET

STARTED FINISHED

7/10/2013 7/10/2013

1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

<u>A-7</u>

G.W. DEPTH See Notes

PROJE				LOCATION: 8473 W. SON		
PROJ.	NO.:	BEV-13-030		BARKER, NE	W YORK	
DEPTH	PID		SOIL OR ROCK		NOTES	
FT.	READING	Darl Branco Olavas O	CLASSIFICATION	- (- (
		Dark Brown Clayey S	ILT, tr.sand, tr.organics/ ro	oots (moist, topsoii)	_	
¹	~ ,	Ton Cilty CLAY trans			<u> </u>	
		Tan Silty CLAY, tr.sa			Sample #1 Recovery 3.3'	
2		Brown-Red Brown Fir	ne SAND, some Silt, tr.gra	vel (moist-wet, SM)		
		(moist)				
3						
					_	
4					Sample #2 Recovery 2.2'	
		Brown SILT, little Fine	e Sand (moist, ML)			
5					_	
		Contains little f-c Gra	vel			
6		Gray-Red Brown We	athered SILTSTONE			
7			Refusal at 6.0'		Collected samples at	
					2', 4', and 5.4' for	
8					analytical testing.	
9						
10						
11						
					_	
12					_	
					_	
13						
14					_	
``_					_	
15					_	
					-	
 16					_	
10	1	l				
DRILLER:	A. KOS	KE DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF	INVESTIG	ATION: ASTM 6282 - D	IRECT PUSH SAMPLING			

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8/7/2013 STARTED 8/7/2013 **FINISHED**



SHEET	-	1 OF 1	SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICAL SITE LOCATION: 8473 W. SOME		MEDSET DOAD
PROJ.		BEV-13-030	EW YORK	
DEPTH	PID		SOIL OR ROCK	NOTES
FT.	READING		CLASSIFICATION	NOTES
		Grav Brown f-c SANI	D, little f Gravel, tr silt (moist, FILL)	
1			tle f-c Sand, tr silt (moist, FILL, crusher run stone)	_
		Red Brown Silty CLA	Y, tr sand (moist, FILL)	Sample #1 Recovery 3.5'
2				
\vdash \vdash		Gray f SAND some 9	Silt, occassional white laminations (moist, FILL, possible	Dark gray staining noted
3		sludge)	one, occassional write laminations (moist, r iee, possible	on possible sludge
— ° —		3 - 7 - 3 - 7		Sulphur odor noted near
4		Plack SILT little for	Gravel, little f-c Sand (moist, FILL)	bottom of Sample # 1
		·	AVEL, some f-c Sand (moist, FILL)	_
_		Diack to Gray 1-c Gr	AVEL, Some 1-6 Sand, it siit, it ash (moist, rille)	_
5				_
_				
6				Sample #2 Recovery 3.1'
		Brown to Red Brown	f SAND and Silt, occassional dark gray staining (moist, SM	_
7				_
		Red Brown SILT, little	e f Sand (moist, ML)	
8				_
		Red Brown to Gray F	lighly Weathered SILTSTONE	Sample #3 Recovery1.4'
9		Red Brown Weather	ed SILTSTONE, occassional silty clay seams, occassional	
		"grout" deposits, occ	assional staining	Collected samples at 2',
10				4' and 6' for analytical
			Refusal at 9.7'	testing
11				
12				_
-				
13				_
				_
14				_
— ·¬—				_
15				_
 '3				_
16				_
10				
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 - [DIRECT PUSH SAMPLING	

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8/6/2013 STARTED 8/6/2013 **FINISHED**

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. B(-1) SURF. ELEV

SHEET		1 OF 1	SERVICE	ES, INC.	G.W. DEPTH See Notes	
PROJI	ECT:	BARKER CHEMICAI	 L SITE LOCATION: 8	3473 W. SON	MERSET ROAD	
PROJ.		BEV-13-030		BARKER, NE		
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES	
	TV271211TO	Gray Brown f-c SANI	D, little f Gravel, tr silt (moist, FILL)			_
1		Gray f-c GRAVEL, lit	tle f-c Sand, tr silt (moist, FILL, crusher run stor	ne)	Sample #1 Recovery 3.4'	
		Red Brown Silty CLA	Y, tr gravel, tr sand (moist, FILL)			
2		,				
		Becomes Brown				
3						
		Black SILT, frequent	white laminations (moist, FILL, possible sludge	e)	Gravel size slag present on	
4		sludge)			top of black silt	
		Red Brown Clayey S	ILT, tr gravel, minor staining noted (moist, ML)			
5					Sulfur odor noted on black	
					silt	
6						
		Red Brown f SAND,	some Silt (moist, SM)		Sample #2 Recovery 2.3'	
7		Red Brown Clayey S	ILT, tr sand (moist, ML)			
8		 				
		Red Brown Weather	ed SILTSTONE			
9						_
			Refusal at 8.4 feet			_
10						
						_
11						_
					Calle stad as some as	_
12					Collected samples at	_
					2, 4', 6' and 8' for analytical testing.	\dashv
13					analytical testing.	4
						_
14						_
						_
15						_
 16					-	
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT C	LASSIFIED BY:	GEOLOGIST	_
METHOD OF			DIRECT PLISH SAMPLING		0202001	

 STARTED
 8/5/2013

 FINISHED
 8/5/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV G.W. DEPTH

B0
See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

DEPTH	PID	SOIL OR ROCK	NOTES	
FT.	READING	CLASSIFICATION Process (a CANID Little Occasion to all to facility for the facility for t		
		Brown f-c SAND, little Organics, tr.silt (moist, FILL)		_
1				_
		Black to Brown f-c Sand, some f-c Gravel, little Clayey Silt, tr.organics, tr.brick,	Sample #1 Recovery 3.3'	
2		tr.cinders, tr.slag (moist, FILL)	Sulfur odor noted on	
		White to Gray f-c Sand, tr.gravel, tr.silt (moist, FILL)	Sample #1	
3		, Becomes Brown		•
_ ` —		Gray to Brown Clayey Silt, ash-like laminations (moist, FILL, possible sludge)		
4		Gray to Brown Clayey SILT, occasional f-c Sand laminations (moist-wet, ML)	Sample #2 Recovery 2.5'	
_		Brown to Red-Brown SILT, little Fine Sand (moist, ML)	Sample #2 Recovery 2.5	
_ —		brown to Ned-brown Siet, little i line Sand (moist, lite)		
_ 5				
6				ı
7		Gray SILT, some Fine Sand (moist, ML)	Sample #3 Recovery 0.4'	
		Stay Start, Some Fine State (11888; May		
8		Red-Brown SILTSTONE, occasional Silt seams		
9		Refusal at 8.4'		
10				
_ · · —				
11				
_ ''				
			Collected complex at 1.0	
12			Collected samples at 1.8',	
			3.0', 6.0' and 8.0' for	
13			analytical testing.	
14				
15				
16				
	l			

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	S. BOHENEK	
METHOD O	F INVESTIGATION:	ASTM 6282 - DIRECT P	PUSH SAMPLING			

STARTED **FINISHED** 7/12/2013 7/12/2013



SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes	
PROJI PROJ.				_LOCATION: <u>8473 W. SOI</u> BARKER, NE		
	1	BE V-13-030	OOU OR BOOK	DARREIT, INC		
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES	
		Gray-Lt. Gray f-c SA	ND, some f-c Gravel, tr.silt (me	oist, FILL)		
1		Black Silt, little f-c Sa	and, little Fine Gravel, little org	anics (moist, FILL)	_	
			ccasional Fine Sand lamination		Sample #1 Recovery 3.3'	
2		-				
					_	
3						
4		Brown Fine SAND, s	ome Silt (moist, SM)		Sample #2 Recovery 3.0'	
					_	
5					_	
					_	
6					_	
					_	
7			e Gravel, little Fine Sand (mois	st, ML, sufur odor)	_	
		Red-Brown SILT (mo	•		_	
8		Gray-Red Brown We	athered SILTSTONE		_	
					Callagted complex at	
9			Probe Complete at 8.0)'	Collected samples at 2', 4', 6', and 6.9' for	
10					analytical testing.	
<u> </u>					analytical testing.	
11					_	
					_	
12					_	
'					_	
13					_	
	1					
14					_	
					_	
15						
16						
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF			DIDECT DI ISH SAMDI ING	_		

STARTED **FINISHED**

7/12/2013 7/12/2013



SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE PROJ.		BARKER CHEMICAL BEV-13-030	L SITE	LOCATION: 8473 W. SOI BARKER, NE	
	ı	DE V-13-030	COIL OR DOCK	DARREIX, NE	T
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
		Black f-c SAND, little	Fine Gravel, tr.silt (moist, FILL	, Possible Cinders)	
1		Dark Brown Clayey S	Silt, tr.cinders, tr.brick (moist, FI	LL)	_
			d, little Clayey Silt, tr.gravel, tr.		Sample #1 Recovery 3.0'
2		seams (moist, FILL)		·	
		,			_
3		Brown Fine SAND, s	ome Silt, tr.gravel (moist, SM)		
4					Sample #2 Recovery 2.2'
					_
5					_
		Becomes Gray			
6			gravel, tr.sand (moist, ML)		_
					_
7		Red Brown-Gray We	athered SILTSTONE		_
					_
8			Refusal at 7.0'		Collected samples at
					2', 4', and 6' for
9					analytical testing.
					_
10					_
11					_
					_
12					_
13					_
14					_
15					
16					
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF			DIRECT DUSH SAMDLING	CLASSII ILD BT.	OLOLOGIO I

STARTED **FINISHED** 7/12/2013 7/12/2013



HOLE NO. SURF. ELEV

SHEET		1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICAI	L SITE	LOCATION: 8473 W. SO	MERSET ROAD
PROJ.		BEV-13-030		BARKER, N	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING	Black f-c SAND little	CLASSIFICATION Fine Gravel, tr.silt (moist, FILL	1	
					_
<u> </u>			Silt, little Fine Sand (moist-wet, d, little Silt, tr.wood (moist, FILL		Comple #4 Decovery 2.0
2		Light brown i-in Sand	u, iillie Siil, li.wood (moist, Fill	-)	Sample #1 Recovery 3.0'
		Red Brown-Brown Fi	ne SAND, some Silt, tr.gravel ((moist_SM)	-
3		inca Brown Brown 1	Tie O/ (14D, 30The Oilt, tr.graver)	(moist, Givi)	_
					_
4					Sample #2 Recovery 2.1'
		Contains little f-c Gra	avel		_
5					
6		Becomes Brown, Co	ntains little Silt		
					1
7		Red Brown-Gray We	athered SILTSTONE		_
					_
8			Refusal at 7.0'		Collected samples at
					2', 4', and 6' for
9					analytical testing.
					_
10					_
					_
11					_
12					_
					_
13					
14					
15					_
					_
16					
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	FINVESTIGA	ASTM 6282 - I	DIRECT PUSH SAMPLING		

STARTED **FINISHED** 7/12/2013 7/12/2013



SHEET		1 OF 1	SERVICES, II	G.W. DEPTH See Notes		
PROJE	CT.	BARKER CHEMICAI		/ COMEDCET DOAD		
PROJ.		BEV-13-030		V. SOMERSET ROAD ER, NEW YORK		
DEPTH	PID		SOIL OR ROCK	NOTES		
FT.	READING		CLASSIFICATION	110.120		
		Black SILT, little f-c S	Sand, tr.clay, tr.organics (roots, moist, topsoil)			
1		Brown Clayey SILT,	tr.sand (moist, ML, Possible FILL)			
		Brown-Red Brown Fi	ne SAND, some Silt, tr.gravel (moist, SM)	Sample #1 Recovery 3.1'		
2						
3						
4				Sample #2 Recovery 2.1'		
		Contains occasional	moist-wet seams			
5						
6						
			Probe Complete at 5.8'	Collected samples at		
7				2', 4', and 6' for		
				analytical testing.		
8						
—						
9						
<u> </u>						
10				_		
10						
11						
— ''—						
12				_		
12				_		
12						
13				_		
				_		
14				-		
45				-		
15				-		
				-		
16						
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFI	ED BY: GEOLOGIST		
METHOD OF	METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING					

STARTED **FINISHED** 7/10/2013 7/10/2013



SHEET	•	1 OF 1	SERVICES, INC.	G.W. DEPTH See Notes
PROJE	CT:	BARKER CHEMICA	L LOCATION: 8473 W. SO	OMERSET ROAD
PROJ.		BEV-13-030 BARKER, NI		
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION	NOTES
		Dark Brown Clayey	SILT, little Fine Sand (moist, topsoil)	
1		Gray-Brown Silty Cla	ay, little Fine Sand, tr.roots (moist, CL, possible FILL)	
		Brown Clayey SILT,	little f-c Sand, tr.roots (moist, ML)	Sample #1 Recovery 2.7'
2				·-
_		Red Brown-Brown F	ine SAND, some Silt, tr.gravel (moist, SM)	_
3				_
4				Sample #2 Recovery 3.0'
├				
5				
6				
		Becomes Gray, Con	tains little Fine Gravel	Black staining noted at 6.5'
7		Gray-Red Brown We	eathered SILTSTONE	_
		Citay Red Blown We	Salitored GIET GT GTVE	_
8				-
9			Probe Complete at 8.0'	Collected samples at
				2', 4', 6.4' for
10				analytical testing.
11				_
				_
12				_
13				_
'3				_
14				
15				
16				
DRILLER:	A. KOSI	KE DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED B	Y: GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 -	DIRECT PUSH SAMPLING	

STARTED **FINISHED** 7/10/2013 7/10/2013



SHEET		1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	-от.	BARKER CHEMICAI	CITE	LOCATION: 0470 M. COL	AEDOET DOAD
PROJ.		BEV-13-030	L 311E	LOCATION: <u>8473 W. SOI</u> BARKER, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
			SILT, tr.sand, tr.organics (moist	, topsoil) 	_
1		Brown Silty CLAY, lit	tle Fine Sand (moist, CL)		_
		Tan Clayey SILT, tr.s			Sample #1 Recovery 3.2'
2		Red-Brown Fine SAN	ND, some Silt, tr.gravel, occasion	onal moist-wet seams	_
		(moist, SM)			_
3					_
4					Sample #2 Recovery 1.0'
					_
5					_
6		Dod Brown CII T littl	e f-c Gravel, little Fine Sand (n		_
_		Rea-blown Sill, iitti	e i-c Graver, illile Fine Sand (n	ioist, iviL)	-
7			Refusal at 6.3'		Collected samples at
_ ′ _			Neiusai at 0.5		
8					2', 4', and 6' foranalytical testing.
<u> </u>					analytical testing.
9					_
—					_
10					_
					_
11					_
12					
					_
13					
14					_
15					
16					
DRILLER:	A. KOS	KE DRILL RIG TY	PE: GEOPROBE 6620DT	_ CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTICA	ACTM 6202 I	DIDECT DI ISH SAMDI ING		

STARTED 7/10/2013 FINISHED 7/10/2013 1 OF 1 SHEET

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV G.W. DEPTH See Notes

B-7

PROJECT:	BARKER CHEMICAL SITE	LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.:	BEV-13-030	BARKER, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES	
		Dark Brown Clayey SILT, tr.gravel, tr.sand, tr.organics (mosit, topsoil)		
1		Brown Silty CLAY (moist, CL)	- – –	
		Brown Clayey SILT, some Fine Sand (moist, ML)	Sample #1 Recovery 3.3'	_
2		Gray f-c GRAVEL (moist, GW / Possible Cobble fragments)	. — —	_
	-	Brown-Red Brown Fine SAND, some Silt, tr.gravel (moist, SM)		_
_ 3				-
				-
_ 4		Becomes Brown	Sample #2 Recovery 2.4'	
		Decomes brown		-
5				
6		Red-Brown SILT, little f-m Gravel (moist-wet, ML)		
– ° –		Gray-Red Brown Weathered SILTSTONE		
7	-	Refusal at 6.4'	Collected samples at	
			2', 4', and 5.8' for	
8			analytical testing.	
_				
9				
10				
_ 11				
12				
13				
	_			
14				
	_			
15	-			
	1			

DRILLER: A. KOSKE	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVESTIGATION:	ASTM 6282 - DIRECT F	PUSH SAMPLING			

ROW C

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 STARTED
 8/7/2013

 FINISHED
 8/7/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

C(-2)

G.W. DEPTH

See Notes

PROJ			B W. SOMERSET ROAD
PROJ.	. NO.:	BEV-13-030 BAR	KER, NEW YORK
DEPTH	PID	SOIL OR ROCK	NOTES
FT.	READING	CLASSIFICATION	
		Brown Gray f-c SAND, little f-c Gravel, tr silt (moist, FILL)	<u> </u>
1		Brown Gray f-c GRAVEL, little f-c Sand, tr silt (moist, FILL, crusher run	stone)
		Red Brown Silty CLAY, tr sand (moist, FILL)	Sample #1 Recovery 3.0'
2		Contains little f-c Gravel	'
	1		Sulphur odor noted on
3	-		Sample #1
—	1		Sample #1
	1		
4	-	Black to Red Brown f-c GRAVEL, little f-c Sand, tr silt (moist, FILL)	Sample #2 Recovery 2.7'
	-	Brown f SAND, some Silt, tr gravel, occassional moist-wet laminations	_
5	4	(moist, SM)	_
	_		_
6			<u> </u>
			<u> </u>
7			Sample #3 Recovery 0.2'
		Red Brown SILT, little f Sand, tr gravel (moist, ML)	
8		Red Brown Weathered SILTSTONE	
		Refusal at 8.4'	
9	1		_
	1		Collected samples at 2',
10	-		4' and 6' for analytical
'			testing
 11	_		
'''	-		_
	-		_
12	-		_
	4		_
13	1		_
	_		_
14	1		_
			_
15			
16			_
DDII :	D 0===:	NED DIVINE OFFICE OFFICE OFFI	
DRILLER:	R. STEI	NER DRILL RIG TYPE: GEOPROBE 6620DT CLASS	SIFIED BY: GEOLOGIST
METHOD O	F INVESTIG	ATION: ASTM 6282 - DIRECT PUSH SAMPLING	

SHEET

STARTED FINISHED 8/6/2013 8/6/2013 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV C(-1)

G.W. DEPTH See Notes

PROJECT:	BARKER CHEMICAL	SITE	LOCATION: 8473 W. SOMERSET ROAD	
PROJ. NO.:	BEV-13-030		BARKER, NEW YORK	_

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES	
	KLADING	Brown-Gray f-c SAND, tr.gravel, tr.silt (moist, FILL)		
1	-	Gray f-c Gravel, tr.sand (moist, FILL, crushed run Stone)	Sample #1 Recovery 3.7'	_
<u> </u>	1	Red-Brown Silty Clay, tr.sand (moist, FILL)	Campio #1 Hosevery cir	_
2	-			
 	1			
3	-			
\vdash $$ \vdash	1	Dark Gray Clayey Silt, little f-c Sand, tr.gravel, tr.ash-like laminations		
4	-	(moist, FILL, possible Sludge)		-
├ ¯ ─		Brown Fine SAND, some Silt, tr.gravel (moist, SM)	Sample #2 Recovery 3.1'	
5	-		Sample #2 Recovery 5.1	_
—	1	Becomes moist-wet		_
6	-			-
\vdash $$ \vdash	1			_
7	-			-
 ' -	1	Black Staining noted at 7.3'		_
8	-			-
\vdash $$ \vdash		Red-Brown Weathered SILTSTONE	- — Sample #3 Recovery 0.4'	_
9	†			_
	1	Refusal at 8.7'		_
10	1			
	1		Collected samples at 3',	
11			6' and 7.3' for analytical	
	1		testing	
12			lissuing	
	1			
13	1			
	1			
14	1			
	1			
15	1			
	1			
16	1			
			•	

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	S. BOCHENEK	
METHOD OF	F INVESTIGATION:	ASTM 6282 - DIRECT PI	USH SAMPLING			

STARTED 7/12/2013 FINISHED 7/12/2013 1 OF 1 SHEET

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV G.W. DEPTH See Notes

PROJECT:	DADKED CHEMICAL	CITE	LOCATION: 8473 W. SOMERSET ROAD	_
PROJECT.	BARKER CHEMICAL	SILE	LOCATION. 8473 W. SOWERSET ROAD	
PROJ. NO.:	BEV-13-030		BARKER, NEW YORK	

FROJ.	NO	DEV-13-030 DARKER, INC	IV TORK	_
DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES	
		Red-Brown f-c GRAVEL, little f-c Sand, tr.silt (moist, FILL)		
		Red-Brown Silt, some f-c Gravel, occasional Fine Sand seams (moist, FILL)		_
<u> </u>		Trea-blown oilt, some 1-6 Graver, occasional i life Gand Seams (moist, i ille)		_
			Sample #1 Recovery 2.6'	_
_ 2				
3		Dark Brown f-m Sand, little Clayey Silt, tr.organics/ roots (wet, FILL)		
4			Sample #2 Recovery 1.7'	_
		Brown Silt, little f-c Sand (wet, FILL)	Sample #2 Necovery 1.7	_
	1			_
5		Black Silty Clay, little f-c Sand, tr.wood (wet, FILL)		_
		Concrete fragments (moist, FILL)		
6			+	
		Refusal at 5.7'	Collected sample at	
7			4.4' for analytical testing.	
⊢ ′ −			1.4 for analytical teeting.	-
				_
8				
9				
10				-
10				_
				_
11				
12				
				\dashv
13				\dashv
				_
14				
15				
- '~				-
				\dashv
16				

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT P	PUSH SAMPLING			

STARTED **FINISHED**

METHOD OF INVESTIGATION:

ASTM 6282 - DIRECT PUSH SAMPLING

7/12/2013 7/12/2013



SHEET		1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	-CT·	BARKER CHEMICA	l SITF I	OCATION: 8473 W. SOI	MERSET ROAD
PROJ.		BEV-13-030		BARKER, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
		Gray f-c SAND, tr.gr	avel, tr.silt (moist, FILL)		
1		Red-Brown Silt, tr.gr	avel, tr.sand, tr.brick (moist, FILL)	
_		_	k Brown, Contains tr.wood	,	Sample #1 Recovery 3.6'
2		Booting Brown Ba	K Brown, Comains inwood		
		 Light Brown-Gray Fir	ne SAND, little Silt, tr.gravel (moi	 st. SM. Possible FILL)	
		g		si, e, . eee.e.e <u>==</u> /	_
_ 3					_
_					_
_ 4 _					Sample #2 Recovery 3.1'
			ome Silt, tr.gravel, occasional f-r	n Gravel seams (moist,	_
5		SM)			_
		Becomes Red Brown	n-Gray		
6					
7					Sample #3 Recovery 1.1'
		Red SILT, tr.gravel,	tr.sand, occasional Silty Fine Sar	nd seams (moist, ML)	_
8					_
_ ^ _		Red Brown-Brown C	 layey SILT, some Fine Sand (we		-
_		Rea Blown-Blown C	layey oich, some i me oand (we	t, IVI∟ <i>)</i>	_
_ 9 _					_
		Red-Brown Weather	ed SILTSTONE		_
10					_
			Refusal at 9.6'		Collected samples at
11					2', 4', 6', 8', and 8.8' for
					analytical testing.
12					
13					_
— ·ŏ—					_
14					_
'4					-
					_
15					_
					_
16					
DRILLER:	R. STEIN	IER DRILL RIG T	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST

 STARTED
 8/5/2013

 FINISHED
 8/5/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. C1

G.W. DEPTH See Notes

PROJECT:	BARKER CHEMICAL	SITE	I OCATION: 847	3 W. SOMERSET ROAD
	DARKER CHEMICAL	JOIL	_LOCATION. <u>647</u>	3 W. SOMENSET NOAD
PROJ. NO.:	BEV-13-030		BAI	RKER, NEW YORK

DEPTH	PID	SOIL OR ROCK	NOTES
FT.	READING	CLASSIFICATION Prove f a CRAVEL little f a Sand trail (majet EUL)	
		Brown f-c GRAVEL, little f-c Sand, tr.silt (moist, FILL)	Adjacent to well location B6 _
¹		Brown Silt, tr.sand, tr.brick, tr.roots (moist, FILL)	-
_		Brown f-c Gravel, some Fine Sand, tr.silt (moist, FILL) Brown Fine Sand, little Clayey Silt, tr.wood (moist-wet, FILL)	Sample #1 Recovery 3.4'
2			_
		Dark Brown to Brown Clayey Silt, tr.brick, tr.ash (moist, FILL)	_
3		Brown SILT, little Fine Sand (moist, ML)	_
			_
4		Brown Fine SAND, some Silt (moist-wet, SM)	_
_		Brown to Gray SILT, some Fine Sand (moist-wet, ML)	Sample #2 Recovery 2.4'
5		Diowit to Gray Gill, Some time Sand (moist-wet, Ivil)	-
			_
6			-
			-
_ ′ _		Black Staining noted at 7.4'	-
8		Black Stalling Noted at 7.4	-
_ ° _		Red-Brown Highly Weathered SILTSTONE	Comple #2 Deceyany 4 4
9		Thou Brown Figury Wouldered City of City	Sample #3 Recovery 1.4'
			-
10		Refusal at 9.4'	_
'0		Netusal at 3.4	Collected samples at 2',
11			4', 6' and 7.3' for analytical
''			testing
12			_
`			-
13			-
			-
14			-
			_
15			-
			-
16			-
	<u> </u>		

DRILLER: R. STEINER DRILL RIG TYPE: GEOPROBE 6620DT CLASSIFIED BY: S. BOCHENEK	
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING	

STARTED **FINISHED** 7/12/2013 7/12/2013



SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICAI	SITF	LOCATION: 8473 W. SON	MERSET ROAD
PROJ.		BEV-13-030		BARKER, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING	Dark Brown Clayou	CLASSIFICATION SILT, tr.sand (moist, topsoil)		
1		Contains tr.gravel	sili, ii.sand (moist, topsoii)		-
_ ' _		· ·	c Sand, little Fine Gravel, little	Clavey Silt (maist wet Ell I)	Comple #1 Recovery 2.6
2		Daik Blown-Blown i-	c Sand, iillie Fine Graver, iillie	Clayey Siit (Moist-wet, FILL)	Sample #1 Recovery 2.6
		Light Brown-Tan Fine		 noist. SM)	_
3		g		,	_
4					Sample #2 Recovery 2.3'
5					_
			ntains "and" Silt (moist-wet)		_
6		Red-Brown SILT (mo			_
		Weathered Red-Brov	wn SILTSTONE		_
7			D (1 (00)		Collected samples at
8			Refusal at 6.9'		2', 4', and 6' for
<u> </u>					analytical testing.
9					analytical testing.
					_
10					_
11					
12					_
-					_
13					_
					-
14					-
 15					_
<u> </u>					-
16					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF			DIDECT DI ISH SAMDI ING	_	

STARTED **FINISHED** 7/12/2013 7/12/2013

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD PROJ NO: BEV-13-030 SOIL OR ROCK FT. READING CLASSIFICATION Slack Clayey SILT, little f-c Sand, tr.gravel, tr.organics/ roots (moist, topsoil) Dark Brown-Brown Clayey Sit, little Fine Sand, little Fine Gravel (moist, ML) Sample #1 Recovery 3.0' Berown Fine SAND, some Sit, little Fine Gravel, tr.roots, occasional Sit I I I I I I I I I I I I I I I I I I I	SHEET	-	1 OF 1	SERVICES, INC.	G.W. DEPTH See Notes
PROJ. NO: DEPTH PID SOIL OR ROCK CLASSIFICATION	DDO II	ECT:	DADKED CHEMICAL	I OCATION: 9472 W. SC	MEDSET DOAD
DEPTH FT. READING CLASSIFICATION Black Clayey Silt., little f-ic Sand, tragel, trorganics/ roots (moist, topsoil) Dark Brown-Brown Clayey Silt, little Fine Sand, little Fine Gravel (moist, ML) Brown Fine SAND, some Silt, little Fine Gravel, tr.roots, occasional Silt laminations (moist, SM) Becomes Red Brown-Brown Red-Brown Weathered SiltTSTONE Refusal at 6.2' Collected samples at 2, 4, and 6' for analytical testing.					
Black Clayey Silt, little f-c Sand, tr.gravel, tr.organics/ roots (moist, topsoil) Dark Brown-Brown Clayey Silt, little Fine Sand, little Fine Gravel (moist, ML) Brown Fine SAND, some Silt, little Fine Gravel, tr.roots, occasional Silt laminations (moist, SM) Becomes Red Brown-Brown Becomes Red Brown-Brown Red-Brown Weathered SiltTSTONE Refusal at 6.2' Collected sample #2. Collected samples at 2, 4', and 6' for analytical testing.				SOIL OR ROCK	
Dark Brown-Brown Clayey Silt, little Fine Gravel (moist, ML) Brown Fine SAND, some Silt, little Fine Gravel, tr.roots, occasional Silt laminations (moist, SM) Becomes Red Brown-Brown Sample #1 Recovery 3.0' Sample #1 Recovery 1.9' Sample #2 Recovery 1.9' Water present on top of Sample #2. Collected samples at 2, 4', and 6' for analytical testing.	FI.	READING	Black Clavey SILT li		
Brown Fine SAND, some Silt, little Fine Gravel, tr.roots, occasional Silt laminations (moist, SM) Becomes Red Brown-Brown Red-Brown Weathered SILTSTONE Refusal at 6.2' Refusal at 6.2' Collected samples at 2, 4, and 6' for analytical testing.					_
Brown Fine SAND, some Silt, little Fine Gravel, tr.roots, occasional Silt laminations (moist, SM) Becomes Red Brown-Brown Red-Brown Weathered SILTSTONE Refusal at 6.2' Collected samples at 2', 4', and 6' for analytical testing.	<u> </u>		Dark Brown-Brown C	Clayey Silt, little Fine Sand, little Fine Gravel (moist, ML)	_
laminations (moist, SM) Becomes Red Brown-Brown Red-Brown Weathered SILTSTONE Refusal at 6.2' Collected samples at 2', 4', and 6' for analytical testing.					Sample #1 Recovery 3.0'
3	2				_
Sample #2 Recovery 1.9' Becomes Red Brown-Brown The sample #2 Recovery 1.9' Water present on top of Sample #2. Refusal at 6.2' Collected samples at 2, 4', and 6' for analytical testing. 9 10 11 12 13 14 15 16			laminations (moist, S	IM)	_
Becomes Red Brown-Brown Red-Brown Weathered SILTSTONE Refusal at 6.2' Collected samples at 2', 4', and 6' for analytical testing.	3				_
Becomes Red Brown-Brown Red-Brown Weathered SILTSTONE Refusal at 6.2' Collected samples at 2', 4', and 6' for analytical testing.					
## Water present on top of Sample #2. Red-Brown Weathered SILTSTONE	4				Sample #2 Recovery 1.9'
Water present on top of Sample #2. 7 Red-Brown Weathered SILTSTONE 7 Refusal at 6.2' Collected samples at 2', 4', and 6' for analytical testing.			Becomes Red Brown	n-Brown	
6 Red-Brown Weathered SILTSTONE 7 Refusal at 6.2' Collected samples at 2', 4', and 6' for analytical testing. 9 10 11 12 12 13 14 15 15 16	5				
6 Red-Brown Weathered SILTSTONE 7 Refusal at 6.2' Collected samples at 2', 4', and 6' for analytical testing.					Water present on top of
Refusal at 6.2' Collected samples at 2, 4', and 6' for analytical testing.	6		Red-Brown Weather	ed SII TSTONE	
2', 4', and 6' for analytical testing.	─		rea brown weather	CU CIETO I CIVE	_
2', 4', and 6' for analytical testing.				Refusal at 6.2'	Collected samples at
8	<u> </u>				
9					_
	8				analytical testing.
					_
11	9				_
11					<u> </u>
12	10				
12					
13	11				
13					
13	12				
14					
14	13	1			
1516	<u> </u>				
15					_
16	14	-			_
16		-			_
	15				_
DRILLER: R. STEINER DRILL RIG TYPE: GEOPROBE 6620DT CLASSIFIED BY: GEOLOGIST	16				
	DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED BY	: GEOLOGIST
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING					

STARTED 7/12/2013 **FINISHED** 7/12/2013 SHEET 1 OF

SJB SERVICES, INC. **DIRECT PUSH LOG**



HOLE NO. SURF. ELEV

G.W. DEPTH

See Notes

PROJECT: LOCATION: 8473 W. SOMERSET ROAD BARKER CHEMICAL SITE

PROJ. NO.: BEV-13-030 BARKER, NEW YORK DEPTH SOIL OR ROCK NOTES PID FT. READING **CLASSIFICATION** Dark Brown Clayey SILT, little Fine Sand, little organics (moist, topsoil) Dark Brown Fine Sand, tr.clayey Silt, tr.cinders (moist, FILL) Dark Brown Clayey SILT, little Fine Gravel, little Fine Sand (moist-wet, ML, Sample #1 Recovery 3.4' Possible FILL) 2 3 Tan-Brown Fine SAND, some Silt, tr.gravel (moist, SM) Sample #2 Recovery 2.7 5 Gray Weathered DOLOSTONE Water present on top of Sample #2 Red-Brown SILT, tr.gravel, occasional Fine Sand seams (moist, ML) Green-Gray Weathered SILTSTONE Collected samples at Refusal at 6.8' 2', 4', and 6' for analytical testing. 10 11 12 13 14 15 16

DRILLER: R. STEINER DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH S	SAMPLING		

 STARTED
 7/12/2013

 FINISHED
 7/12/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

C-5

G.W. DEPTH See Notes

PROJECT:		BARKER CHEMICAL SITE	LOCATION: 8473 W. SON	LOCATION: 8473 W. SOMERSET ROAD	
PROJ. NO.:		BEV-13-030	BARKER, NE	BARKER, NEW YORK	
		COUL OR BOOK		NOTES	
DEPTH	PID	SOIL OR ROCK		NOTES	
FT.	READING	CLASSIFICATION			

FT.	READING	CLASSIFICATION	
		Dark Brown Clayey SILT, little f-c Sand, tr.organics (moist, topsoil)	
1		Brown-Red Brown f-c Sand, little Clayey Silt, little Fine Gravel, tr.roots	
		(moist-wet, FILL)	Sample #1 Recovery 3.2'
2		Brown-Red Brown Fine SAND, some Silt, little Fine Gravel (moist, SM)	<u> </u>
			_
3			_
			_
4			Sample #2 Recovery 1.8'
			
5		Red-Brown SILT, occasional Fine Sand seams (moist, SM)	_
			_
6		Red-Brown Weathered SILTSTONE	Water present on top of Sample #2
_ —	-	Refusal at 6.1'	
7		iverusar at 0.1	Collected samples at 2', 4', and 5.6' for
_			analytical testing.
8	-		analytical testing.
9			_
<u> </u>			-
10	-		_
' -			_
11	-		_
			_
12			
			_
13			
			_
14			_
	-		_
15			_
16			

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT PU	SH SAMPLING		

STARTED **FINISHED** 7/12/2013 7/12/2013



HOLE NO. C-6 SURF. ELEV

SHEET		1 OF 1 ——		SERVICES, INC.	G.W. DEPTH See Notes
PROJI	ECT:	BARKER CHEMICAI	CITE	LOCATION: 8473 W. SO	MEDCET DOAD
PROJ.		BEV-13-030	_ SITE	BARKER, NI	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
		Dark Brown Clayey S	SILT, tr.sand, tr.organics/ roots	(moist, topsoil)	
1		Black-Dark Brown f-o	Sand, little Clayey Silt, tr.orga	anics (moist-wet, FILL)	_
					Sample #1 Recovery 3.0'
2		Brown Fine SAND, s	ome Silt, tr.gravel (moist, ML)		_
					_
3					_
					_
4		Contains occasional	moist-wat saams		Sample #2 Recovery 1.8'
		Contains occasional	moist wet seams		_
_ 5 _					_
		Green Grav-Red Bro	wn Weathered SILTSTONE		Water present on top ofSample #2
6			Refusal at 5.8'		Collected samples at
7			Neiusai at 5.0		2', 4', and 5' for
 					analytical testing.
8					—
— ° —					_
9					_
— ³ —					_
10					_
					_
11					_
					_
12					
					_
13					_
14					
15					
16					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF			DIRECT PUSH SAMPLING	_	

STARTED FINISHED 7/12/2013 7/12/2013



SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE		BARKER CHEMICAL	L SITE	LOCATION: 8473 W. SO	
PROJ.	NO.:	BEV-13-030		BARKER, NI	EW YORK
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
		Dark Brown Clayey S	SILT, little organics, tr.sand (mois	st, topsoil)	
1		Black f-c Sand, little	Silt, tr.gravel, tr.roots (moist, FIL	L)	
		Dark Brown Silty CLA	AY, tr.roots (moist, CL, Possible	FILL)	Sample #1 Recovery 2.5'
2		Brown-Tan Fine SAN	ND, little Silt, tr.gravel (moist, SM))	<u> </u>
					_
3					_
					_
4		Becomes Brown			Sample #2 Recovery 1.4'
					_
5					Water present on top of
		Red Brown-Gray We	athered SILTSTONE		Sample #2
6			Refusal at 5.4'		Collected samples at
					2', 4', and 5' for
7 —					analytical testing.
					_
8					_
					_
9 —					_
					_
10					_
					_
11_					_
12					_
					_
13					_
<u> </u>					_
14					_
- 					
15					
16					
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF			DIRECT PUSH SAMPLING		

ROW D

8/7/2013 STARTED FINISHED 8/7/2013



SHEET		1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
OHLLI					O.W. DEI III See Notes
PROJE		BARKER CHEMICAL	SITE	LOCATION: 8473 W. SOI	
PROJ.	NO.:	BEV-13-030		BARKER, NE	W YORK
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING	ODOANIO MATTED	CLASSIFICATION		
1		ORGANIC MATTER Gray Brown f-c SANI	D, some f-m Gravel, tr silt (moi	st, FILL)	
					Sample #1 Recovery 3.4'
2		Gray Coarse GRAVE			
		Black f-c SAND, tr gr	avel, tr silt (moist, FILL, cinder	s)	
3		Red Brown Silty CLA	Y, little f-c Gravel (moist, CL, p	oossible reworked)	_
4		Brown to Red Brown	f SAND, some Silt, little f-c Gr	avel (moist-wet, SM)	Sample #2 Recovery 2.2'
 5					_
_ ` _					_
6					_
_					_
7					Sample #3 Recovery 0.5'
_ ′ —					Sample #5 Recovery 0.5
8		Pod Prown SII T tro	and (moist, ML)		_
_ ° _		Gray Weathered SIL			
9			Refusal at 8.55'		_
_			Refusal at 0.55		Collected samples at 1.7',
10					4' and 6' for analytical
_ 10_					testing
11					
''					_
 12					_
_ '-					_
13					
_ '					_
14					_
— ' ⁻					_
15					\vdash
15					-
16					_
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTICA	MION: ASTM 6202	DIRECT PLISH SAMPLING	_	

STARTED 8/6/2013 **FINISHED** 8/6/2013



SHEET	Ī	1 OF 1	SERVICE	S, INC.	G.W. DEPTH See Notes
PROJE		BARKER CHEMICAL			
PROJ.	NO.:	BEV-13-030	BA	ARKER, NE	EW YORK
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
		Brown f-c SAND, tr.s	ilt (moist, FILL)		
1		Gray f-c Gravel, tr.sa	and (moist, FILL, crushed run Stone)		Sample #1 Recovery 3.7'
		Black to Brown f-c Sa	and, little f-c Gravel, little Silty Clay, tr.slag		
2		(moist, FILL, Cinders	s)		_
					_
3					_
4		Dark Brown Clavey S	SILT, little f-c Sand, tr.slag (moist, reworked)		_
— ' <i>—</i>		Dank Brown Olayoy C	one in the state of the state o		Sample #2 Recovery 3.3'
 5					Sample #2 Necovery 5.5
— ° —		Red-Brown to Brown	Fine SAND, some Silt (moist, SM)		_
6					_
7					_
	1				
8		Brown SILT, little Fin			_
<u> </u>		Red-Brown Weather			Sample #3 Recovery 0.3'
9			Refusal at 8.45'		
10					
11					
12					Collected samples at 2',
					4', 6' and 8' for analytical
13					testing.
14					
15					
16					
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT CL	ASSIFIED BY:	S. BOCHENEK
METHOD OF	F INVESTIGA		DIRECT PUSH SAMPLING		

STARTED **FINISHED**



SHEET	-	1 OF 1	SERV	ICES, INC.	G.W. DEPTH See Notes
PROJE	-CT·	BARKER CHEMICAI	SITE LOCATION	N: 8473 W SON	MERSET ROAD
PROJ.		BEV-13-030		BARKER, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING	Brown-Gray f-c GRA	CLASSIFICATION VEL, some f-c Sand, tr.silt (moist, FILL)		
					_
 		Dark Brown-Gray Sin	t, tr.sand, tr.cinders (moist, FILL)		
					Sample #1 Recovery 4.0'
_ 2					_
_			Sand, occasional White f-m Sand Laminati	ions (moist,	
3		FILL)			_
			ne SAND, some Silt, tr.gravel, occasional n	noist-wet	_
4		seams (moist, SM)			Sample #2 Recovery 3.1'
					_
5					_
6		= =			_
		Brown-Red Brown Si	LT, little Fine Sand (moist, ML)		
7		Contains little f-c Gra	ivel		_
8		Gray Weathered SIL	TSTONE		<u> </u>
					_
9			Probe Complete at 8.0'		Collected samples at
					2', 4', 6', and 7.5' for
10					analytical testing.
11					
12					
13					
14					
· —					_
15					_
<u> </u>					_
16					
		<u> </u>			<u> </u>
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGA	ASTM 6282 - I	DIRECT PUSH SAMPLING		

	DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING	METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT P	PUSH SAMPLING			

SHEET

STARTED _____FINISHED ____

7/15/2013 7/15/2013

1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

G.W. DEPTH

D-1

See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

PROJ.	. NO.:	BEV-13-030 BARKER, N	EW YORK	
DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES	
	KEADING	Brown-Gray f-c GRAVEL, some f-c Sand, tr.silt, tr.brick, occasional Silty Clay		
1		Laminations (moist, FILL)		
	-	(wet)	Sample #1 Recovery 1.7'	
_ 2	•	Dark Brown Silty Clay, little Fine Sand, tr.organics (moist, CL, possible FILL)		
_		Red-Brown Fine Sand, little f-c Gravel, little Silt (moist, SP-SM, possible FILL)		
_ 3 _				_
4			Sample #2 Recovery 3.2'	_
_ `_		Red Brown-Brown Fine SAND and Silt, little f-c Gravel (moist, SM)	Gampio #2 Hosovory 6:2	_
5				
6				
	-			
_ ⁷ _			Sample #3 Recovery 0.3'	_
8		Red-Brown SILT, tr.sand, occasional Fine Sand Laminations (moist, ML)		_
_	-	Red-Brown Weathered SILTSTONE		_
9		Refusal at 8.4'	Collected samples at	
			2', 4', 6', and 7.8' for	
10	•		analytical testing.	
	-		Water present on top of	
11			recovered sub for	
 12	-		sample #2 and #3	
'^	-			
13	-			
14				_
	-			_
15				_
16	-			_
16			<u> </u>	
DRILLER:	R. STEIN	NER DRILL RIG TYPE: GEOPROBE 6620DT CLASSIFIED BY:	GEOLOGIST	

	DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING	METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT P	PUSH SAMPLING			

STARTED **FINISHED**



SHEET	-	1 OF 1	SERVIC	CES, INC.	G.W. DEPTH See Notes
DDO II	-OT	DADICED OLIERADA	OUT	0.470.144.001	AEDOET DOAD
PROJE PROJ.		BARKER CHEMICAL BEV-13-030	_ SITELOCATION:	BARKER, NE	MERSET ROAD
11100.	140	DL V-13-030		DARREIT, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING	D 1 D 011 T 1111	CLASSIFICATION	. ====	
			le f-c Sand, tr.cinders, tr.organics/ roots (mois		_
1		Red-Brown Fine SAN	ND, little Clayey Silt, tr.organics/ roots (moist-	wet, SM)	
					Sample #1 Recovery 1.7'
2		Red-Brown Fine SAN	ND, little Fine Gravel, little Silt (moist, SP-SM)		
			, , ,		_
		Contains some Cilt			
_ 3 _		Contains some Silt			_
					_
4					Sample #2 Recovery 3.2'
5					
					_
6					_
_					-
		Red Brown-Brown SI (moist, ML)	LT, some Fine Sand, occasional moist-wet so	eams	
7		(moist, iviL)			-
		Red-Brown Weather	ed SILTSTONE		
8					
			Refusal at 7.6'		Collected samples at
9					4', 6', and 7' for
_					analytical testing.
					analytical testing.
10					
					<u> </u>
11					
12					_
					_
40					_
13					_
14					_
15					
					_
16					_
10					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 - [DIRECT PUSH SAMPLING		

STARTED **FINISHED**



SHEET	•	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	-CT·	BARKER CHEMICAI	SITE	LOCATION: 8473 W. SOI	MERSET ROAD
PROJ.		BEV-13-030	LOTTE	BARKER, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
		Dark Brown SILT, tr.:	sand, tr.organics (moist, topso	oil)	_
1					_
					Sample #1 Recovery 2.4'
2					
		Black f-c Sand, tr.gra	avel, tr.silt (moist, FILL/ Cinde	rs)	
3					
		Brown Silty Clay, little	e f-c Gravel, tr.sand (moist, F	<u> LL)</u>	
4		Brown Fine SAND, s	ome Silt, tr.gravel, occasional	f-c Sand seams (moist, SM,	Sample #2 Recovery 3.4'
		possible FILL)		j	
5		Red-Brown Fine SAN	ND and Silt, little Fine Gravel	(moist, SM)	
6					_
					_
7		Red-Brown SII T. littl	e Fine Sand (moist, ML)		_
<u> </u>			0 ·		_
8		Red-Brown Weather	ed SII TSTONF		_
\vdash $$ \dashv		Trou Brown Wedner	04 0121010112		_
9			Refusal at 8.0'		Collected samples at
\vdash $$ \dashv			rtorusur at s.s		2', 4', 6', and 7.6' for
10					analytical testing.
— ¹⁰ —					
11					_
├-''					_
40					_
12					_
					-
13					-
					_
14					_
_					
15					_
					_
16					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTICA	ACTM COOR	DIDECT DUSH SAMDUNG		

STARTED **FINISHED**

7/15/2013 7/15/2013

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

SHEET		— OF I	SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICAL	_ SITE LOCATION: 8473 W. S	OMERSET ROAD
PROJ.		BEV-13-030		NEW YORK
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION	NOTES
		Dark Brown Clayey S	SILT, little Fine Sand, tr.roots (moist, topsoil)	
1				
		Brown-Red Brown Si	Ity CLAY, tr.gravel, tr.sand, occasional Sand Lamination	Sample #1 Recovery 3.2'
		`	n Clayey SILT, tr.sand (moist, ML)	' ,
3		\	me Fine Sand, occasional Fine Sand partings (moist, ML	
4		Contains little f-c Gra	ivel, occasional f-m Sand seams	Sample #2 Recovery 3.0'
 5				_
_ ` _				_
6				_
7		Red-Brown Weather	ed SILTSTONE	<u> </u>
			Refusal at 6.9'	Collected samples at
8				2', 4', and 6' for
				analytical testing.
9				_
				_
10				_
				_
11				_
				_
<u> </u>				_
				_
13				_
1.4				_
14				_
 15				_
'3				_
16				_
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED B	Y: GEOLOGIST
METHOD OF	F INVESTIGA	ATION: ASTM 6282 - [DIRECT PUSH SAMPLING	<u></u>

STARTED **FINISHED**



SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
DDO II	-OT	DADICED OLIENIOAL	OUTE	LOOATION ATTOM OO	AEDOET DOAD
PROJE PROJ.		BARKER CHEMICAL BEV-13-030	_ SIIE	LOCATION: <u>8473 W. SOI</u> BARKER, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
		Dark Brown Clayey S	SILT, tr.sand, tr.organics (moist	, topsoil)	
1		Red Brown-Brown Fi	ne SAND, little Clayey Silt, tr.g	ravel (moist-wet, SP-SM)	
					Sample #1 Recovery 2.9'
2					
		Gray-Brown Silty CL	AY, tr.roots (moist, CL)		
3					
		Brown-Red Brown f-ı	m SAND, little f-m Gravel, little	Silt, occasional Clayey	_
4		Silt seams (moist-we			Sample #2 Recovery 2.8'
		Red Brown-Brown Fi	ne SAND, some Silt, tr.gravel (moist-wet, SM)	_
5					_
					_
6		L			_
		Red-Brown SILT, littl	e Fine Sand (moist, ML)		_
7		Red-Brown Weather	ed SILTSTONE		_
			Refusal at 6.8'		Collected samples at
8					2', 4', and 6' for
					analytical testing.
9					_
					_
10					_
					_
¹¹					_
					_
12					-
12					_
13					-
14					_
'					⊣
 15					
<u> </u>					
16					
				_	
DRILLER:	R. STEIN		PE: GEOPROBE 6620DT	_ CLASSIFIED BY:	GEOLOGIST

STARTED **FINISHED**



SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
550				100171011	
PROJE PROJ.		BARKER CHEMICAL BEV-13-030	_ SITE	LOCATION: <u>8473 W. SOI</u> BARKER, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		NOTES
		Dark Brown Clayey S	SILT, little f-c Sand, tr.gravel, tr	c.organics/ roots (moist,	
1		topsoil)			_
		Brown Clayey Silt, so	ome f-c Gravel, little Fine Sand	(moist, ML, possible FILL)	Sample #1 Recovery 3.3'
2		Brown SILT, little f-c	Gravel, little Fine Sand (moist	, ML)	_
3					
					_
4					Sample #2 Recovery 2.4'
		Brown Fine SAND, s	ome Silt, tr.gravel (moist-wet,	SM)	_
5					_
6					_
			e Fine Sand (moist, ML)		_
7		Red-Brown Weather	ed SILTSTONE		_
			Refusal at 6.7'		Collected samples at
8					2', 4', and 6' for
					analytical testing.
9					_
					_
10					_
					_
11					_
					_
12					_
					_
13					_
					_
14					_
					_
15					_
					_
16					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	F INVESTIGA	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		

STARTED **FINISHED**



SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICAL	L SITE LOC	CATION: 8473 W. SON	MERSET ROAD
PROJ.		BEV-13-030		BARKER, NE	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
		Dark Brown SILT, litt	le f-c Sand, tr.organics/ roots (moist,	topsoil)	
1		Brown Fine Sand, litt	le Silt, tr.gravel (moist, FILL)		
					Sample #1 Recovery 3.2'
2		Brown-White f-c SAN	ND, tr.gravel (moist, FILL)		
		Red Brown-Brown Fi	ne SAND, some Silt, tr.gravel, occas	ional moist-wet	
3		partings (moist, SM)			_
4					Sample #2 Recovery 2.2'
5					
6					Limestone fragments
		Red-Brown SILT. littl			encountered at 6.0'
7		Red-Brown Weather			
			Refusal at 6.7'		Collected samples at
8			Nordadi di 6.7		2', 4', and 6' for
_					analytical testing.
9					analytical testing.
•					-
10					_
'0					-
					_
11					-
40					_
12					-
					_
13					-
					-
14					-
					_
15					_
					_
16					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	F INVESTIGA	ATION: ASTM 6282 - [DIRECT PUSH SAMPLING		

ROW E

D_{I}		F.
D_r	`''	∟.

8/7/2013 STARTED 8/7/2013 **FINISHED**



SHEET	-	1 OF 1	SERVICE	G.W. DEPTH See N	lotes
PROJE	PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SC		173 W. SOMERSET ROAD		
PROJ.		BEV-13-030		ARKER, NEW YORK	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION	NOTES	
			ttle f-c Sand, tr organics (moist, FILL, crusher ru	n stone)	
1					
				Sample #1 Recovery	3.2'
2					
		Black f-c SAND, little	ef-c Gravel, tr coal, tr slag, tr ash (moist, FILL, c	nders)	
3		Brown Silty CLAY, tr	iron staining (moist, CL)		_
4				Sample #2 Recovery 2	2.0'
		Brown f SAND, some	e Silt, little f-c Gravel (moist, SM)		_
5					_
6					
7					_
8				Sample #3 Recovery	0.3'
		Gray Weathered SIL	TSTONE		
9			Refusal at 8.3'		
				Collected samples at 2	2',
10				4' and 6' for analytical	
				testing	
11					
12					
13					
14					
15					
16					
DRILLER:	R. STEIN	NER DRILL RIG TY	/PE: GEOPROBE 6620DT CL	ASSIFIED BY: GEOLOGIST	
METHOD OF	F INVESTIG	ATION: ASTM 6282 -	DIRECT PUSH SAMPLING		

STARTED 8/6/2013 8/6/2013 **FINISHED**



HOLE NO. SURF. ELEV

SHEET		1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	-CT·	BARKER CHEMICAI	SITE	LOCATION: 8473 W. SO	MERSET ROAD
PROJ.		BEV-13-030	_ OH L	BARKER, NI	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
			D, little Fine Gravel, tr.silt, tr.roo		_
1		Gray f-c Gravel, tr.sa	ind (moist, FILL, crushed run S	tone)	Sample #1 Recovery 3.2'
		Black f-c Sand, little	f-c Gravel, tr.silt, tr.coal, tr.slag	(moist, FILL, Cinders)	
2		Gray f-c Gravel (mois	st, FILL)		_
3		Dark Gray Clayey SI	LT, tr.gravel (moist, ML)		_
		Red-Brown Fine SAN	ND and Silt (moist, SM)		
4					
					Sample #2 Recovery 3.4'
5		Contains little Fine G	ravel (moist-wet)		
6					
7					
8					
		Red-Brown SILT,	tr.sand	/	Sample #3 Recovery 0.4'
9		Gray Weathered	SILTSTONE	/	
			Refusal at 8.4'		
10					
11					
12					Collected samples at 2',
					4', 6' and 8' for analytical
13					testing.
14					
15					
16					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	S. BOCHENEK
,	INVESTIGA		DIRECT PUSH SAMPLING		o. Dooriener

STARTED **FINISHED**



SHEET	•	1 OF 1	SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICA	L SITE LOCATION: 8473 W. SO	MERSET ROAD
PROJ.	NO.:	BEV-13-030	BARKER, N	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION	NOTES
		Gray f-c GRAVEL, lit	tle f-c Sand, tr.silt (moist, FILL)	
1				_
				Sample #1 Recovery 3.6'
2		Black f-c Sand, tr.gra	avel, tr.silt (moist, FILL, possible Slag)	
		Dark Brown SILT, tr.	sand (moist, FILL)	_
3		Becomes Brown,	Contains tr.cinders	│
_ ` _		Brown Fine SAND s	ome Silt, tr.gravel (moist, SM)	-
4		blowill life oald, s	ome ont, trigraver (moist, owi)	Sample #2 Recovery 2.9'
 5				-
_		Contains little f-c Gra	nuel.	
6		Contains little 1-C Gra	ivei	_
$ ^{\circ}-$				-
7				-
— ′ —		Red-Brown SII T littl	e Fine Sand (moist, ML)	- -
_		Trea-blown oil i, iiti	e i me dand (moist, ML)	-
8				_
			B (Collected complex at
9			Refusal at 8.2'	Collected samples at
				1.5', 2', 4', 6', and 8' for
10				analytical testing.
				_
11				_
				_
12				_
				_
13				_
				_
14				_
15				
16				
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED BY	: GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 -	DIRECT PUSH SAMPLING	

 STARTED
 7/16/2013

 FINISHED
 7/16/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV G.W. DEPTH

E-1

See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

	FROJ.	NO	DEV-13-030 DARKER, INI	EW TORK	_
Ì	DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES	
ľ			Gray f-c GRAVEL, little f-c Sand, tr.silt (moist, FILL)		
L	1		Red-Brown Clayey Silt, tr.sand (moist, FILL)		
			Dark Brown Fine Sand, tr.gravel, tr.silt (moist, FILL)	Sample #1 Recovery 3.2'	
Ļ	2		Concrete		_
			(wet)		_
ł	_ 3		Brown Clayey SILT, little Fine Sand (moist, ML, possible FILL)	1	_
			Red Brown-Brown Fine SAND, little Silt (moist, SM)	Cample #0 Dansum 0 0	
ł	_ 4			Sample #2 Recovery 3.3'	_
	 5		Contains some Silt, little f-c Gravel (FILL)		
t	_		Some one one, made to ordiver (t. 122)		_
	6				_
Ī					
	7			1	
			Red-Brown SILT, little f-c Gravel, little f-c Sand (moist, ML)	_	
ļ	8		Red-Brown Weathered SILTSTONE		_
ł	9		Refusal at 8.3'	Collected samples at	_
	10			4', 6', and 7.3' for analytical testing.	
+	10			analytical testing.	_
	11				_
t	· · ·				_
	12				_
Ī					
L	13				
ļ	14				_
					_
ļ	15				_
					_
ł	16				
	DRILLER:	R. STEIN	NER DRILL RIG TYPE: GEOPROBE 6620DT CLASSIFIED BY:	GEOLOGIST	

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT P	USH SAMPLING			

STARTED **FINISHED**

7/16/2013 7/16/2013

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. E-2 SURF. ELEV

SHEET				SERVICES, INC.	G.W. DEPTH See Notes	_
PROJI	FCT·	BARKER CHEMICAI	SITE	LOCATION: 8473 W. SO	MERSET ROAD	
PROJ.		BEV-13-030	COTTE	BARKER, N		_
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES	
		Dark Brown Clayey S	SILT, little Fine Sand, tr.organic	s (moist, topsoil)		
1		_Dark Brown f-c Sa	and, tr.gravel, tr.silt (moist, FILL	<u>-)</u> /	·[
		Brown Clayey SILT,	tr.gravel, tr.sand (moist, ML)		Sample #1 Recovery 2.7'	
2		Red Brown-Brown Fi	ne SAND and Silt (moist, SM)			
3						
4					Sample #2 Recovery 2.4'	_
		Contains little f-c Gra	avel			
5						_
						_
6		Dod Brown Crov Wo	othorod CILTCTONE		_	_
		Red Brown-Gray We	athered SILTSTONE			
7					_	_
			Refusal at 7.0'		Collected samples at	_
8					2', 4', and 5.6' for	
					analytical testing.	_
9						_
						_
10						_
						_
11						_
						_
12						_
12						_
13						_
14						_
<u> </u>						_
 15						
						_
16	-					_
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	: GEOLOGIST	
					2202001	
METHOD OF	- INVESTIG	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		_	

STARTED FINISHED



TINIOT		7/10/2013	DIRECT I COITEC		
SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE		BARKER CHEMICAL	L SITE	LOCATION: 8473 W. SOI	
PROJ.	NO.:	BEV-13-030		BARKER, NE	W YORK
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING	DI D Ol	CLASSIFICATION	1 'D	
			SILT, tr.sand, tr.organics (moist,		_
1			ne Sand, some Silt, little Fine G	ravel, occasional f-c	_
		Sand Laminations (m	noist, SM)		Sample #1 Recovery 2.4'
2					
3					
					_
4					Sample #2 Recovery 2.8'
 5					_
—		Drawer Dad Drawer Cl			-
		Brown-Rea Brown S	ILT, little Fine Sand, tr.gravel (m	OIST, IVIL)	_
6					_
					_
7		Red-Brown Weather	ed SILTSTONE		† –
					_
8			Refusal at 7.2'		Collected samples at
					2', 4', and 6' for
9					analytical testing.
10					
11					_
``					-
12					-
12					-
					-
13					-
					_
14					_
15					
16					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	F INVESTIGA	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		

STARTED **FINISHED** 7/15/2013 7/15/2013



SHEET	-	1 OF 1	SERVICES, INC.	G.W. DEPTH See Notes
PRO II	PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SO		LOCATION: 8473 W. SC	MERSET ROAD
PROJ.		BEV-13-030	BARKER, N	
DEPTH	PID		SOIL OR ROCK	NOTES
FT.	READING		CLASSIFICATION	
		Dark Brown Clayey S	SILT, tr.sand, tr.organics (moist, topsoil)	_
1		Red Brown-Brown Fi	ne Sand, little Clayey Silt, tr.gravel (moist-wet, SM)	Sample #1 Recovery 3.6'
2		Red Brown-Brown Fi	ne SAND, some Silt, tr.gravel (moist-wet, SM)	
				_
3				_
				_
4				Sample #2 Recovery 2.0'
				_
5				_
		Red-Brown SILT, so	me Fine Sand (moist, ML)	_
6			- LOU TOTONE	_
		Red-Brown Weather	ed SILTSTONE	_
7				_
			Refusal at 6.4'	Collected samples at
8				2', 4', and 5.8' for
				analytical testing.
9				_
				_
10				_
				_
11				_
-				_
12				_
				_
13				_
				_
14				_
				_
<u> </u>				_
				_
16				
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED BY	: GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING	

STARTED **FINISHED** 7/15/2013 7/15/2013

1 OF

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV E-5

SHEET		1 OF 1	SERVI	CES, INC.	G.W. DEPTH See Notes
PROJE	CT.	DADKED CHEMICAL	CITE	. 0.472 \\ . CON	MERSET ROAD
PROJ.		BARKER CHEMICAL BEV-13-030	LOCATION	BARKER, NE	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
FI.	KEADING	Dark Brown Clavey S	SILT, little Fine Sand, tr.organics (moist, tops	oil)	
		zam zromi olajoj c	7.2., Caa,e.gaee (e.e., tepe	,	_
_ ' _		Brown Fine SAND, li	ttle Clayey Silt (SM)		Sample #1 Recovery 3.3'
2		Red Brown-Brown Fi	ne SAND, some Silt, occasional moist-wet pa	artings	
		(moist, SM)			_
3					
		Contains "and" Silt			
4					Sample #2 Recovery 2.0'
		Brown-Red Brown S	ILT, some Fine Sand, tr.gravel (moist, ML)		_
5					_
					_
6					_
-7		Red-Brown Weather			<u> </u>
_			Refusal at 7.0'		Collected samples at
8					2', 4', and 6' for
_					analytical testing.
9					_
10					_
— ¹⁰ —					_
11					_
_ ''-					_
12					_
					_
13					
14					_
15					
					_
16					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGA	 ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		

STARTED **FINISHED** 7/15/2013 7/15/2013



SHEET	Γ	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJI PROJ.		BARKER CHEMICAL BEV-13-030	LSIIE	LOCATION: <u>8473 W. SOM</u> BARKER, NE	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		NOTES
		Dark Brown Clayey S	SILT, tr.sand, tr.roots/ organics	(moist, topsoil)	
1		Brown Fine Sand, so	me Silt, tr.gravel (moist-wet, S	M)	
		(moist)			Sample #1 Recovery 1.7'
2					
					_
3					
4					Sample #2 Recovery 2.8'
		Contains little f-c Gra	avel		
5					
6			e f-c Sand, tr.gravel (moist, MI	, possible Highly Weathered	_
		Bedrock)			_
7		Red-Brown Weather	ed SILTSTONE		_
	-		Refusal at 7.0'		Collected samples at
8					4', and 6' for
					analytical testing.
9					_
	-				
10					_
	-				_
11					_
12	-				
12	1				_
13					_
'					_
14	-				_
					_
15	1				
	1				_
16					_
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF			DIRECT DUSH SAMPLING		3202001

STARTED **FINISHED** 7/15/2013 7/15/2013



SHEET		1 OF 1	SERVICES, INC.	G.W. DEPTH See Notes
PROJE	-CT·	BARKER CHEMICA	 L SITE LOCATION: 8473 W. SO	MERSET ROAD
PROJ.		BEV-13-030	BARKER, NI	
DEPTH	PID		SOIL OR ROCK	NOTES
FT.	READING		CLASSIFICATION	
		Dark Brown Clayey	SILT, tr.sand, tr.organics/ roots (moist, topsoil)	
1				_
		Brown Fine Sand an	d Silt, tr.gravel, occasional moist-wet partings (moist, SM)	Sample #1 Recovery 3.5'
2				
				_
_ —				_
_ 3				_
_ 4 _				Sample #2 Recovery 2.6'
		Contains tr.gravel		_
5				_
6				
		Red-Brown SILT, litt	le f-c Sand, (moist, ML, probable Highly Weathered Bedroc	<u> </u>
7		Red-Brown Weather		-
			Refusal at 7.0'	Collected samples at
8			Trorusar at 715	2', 4', and 6' for
_ ~ _				_
9				analytical testing.
_ " —				_
				_
10				_
				_
11				_
				_
12				_
13				
14				
15				
_ `~_				_
16				_
10				
DRILLER:	R. STEIN	IER DRILL RIG T	PE: GEOPROBE 6620DT CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 -	DIRECT PUSH SAMPLING	_

ROW F

STARTED **FINISHED**

8/6/2013 8/6/2013

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

SHEET				SERVICES, INC.	G.W. DEPTH See Notes
PROJI	ECT:	BARKER CHEMICA	L SITE LO	DCATION: 8473 W. SOI	MERSET ROAD
PROJ.		BEV-13-030		BARKER, N	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
		Gray-Brown f-c SAN	D, little Fine Gravel, tr.silt (moist, F	TILL)	
1		Gray f-c Gravel, tr.sa	and (moist, FILL, crushed run Stone	e)	Sample #1 Recovery 3.1'
		Black f-c Sand, little	f-m Gravel, tr.silt (moist, FILL, Cinc	ders)	_
_ 2		Gray Coarse Gravel	(moist, FILL)		_
3		Dark Brown Claye	ey SILT, tr.sand (moist, ML)		_
		Red-Brown to Brown	Fine SAND and Silt (moist, SM)		_
4			, , ,		
					Sample #2 Recovery 2.6'
5					
6					_
— ⁷ —		Pod Brown Clayov S			-
8		Red-Brown Clayey S	illi (moist, wil)		
_ ~		Red-Brown Weath	ered SILTSTONE		Sample #3 Recovery 0.1'
9			Refusal at 8.1'		_
					Collected samples at
10					4', 6' and 8' for analytical
					testing.
11					_
12					_
13					_
					_
14					
15					_
16					
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	S. BOCHENEK
METHOD OF	INVESTIG	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		_

SHEET

STARTED _____

7/16/2013 7/16/2013 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

G.W. DEPTH See Notes

		<u> </u>		
PROJECT:		BARKER CHEMICAL	SITE LOCATION	8473 W. SOMERSET ROAD
PROJ.	PROJ. NO.: BEV-13-030 BARKER, NEW YORK		BARKER, NEW YORK	
DEPTH	PID		SOIL OR ROCK	NOTES
FT.	READING		CLASSIFICATION	
		Gray f-c GRAVEL, lit	tle f-c Sand, tr.silt (moist, FILL)	
1				
				Sample #1 Recovery 3.4'
2				' -
		Black f-c Sand, some	e f-c Gravel, tr.silt (moist, FILL, possible Slag	_
3				
_ ³ _			SILT, tr.sand, tr.roots (moist, ML)	-
		Brown SILT, little Fin	e Sand (moist, ML)	<u> </u>
4				Sample #2 Recovery 3.0'
		Grades to Red-Brow	า	_
5				
		Red Brown-Brown Fi	ne SAND and Silt, occasional moist-wet part	ings
6		(moist, SM)		_
				_
7				_
— <i>'</i> —				Sample #3 Recovery 0.2'
		Dod Drown Cll T to	regular and (maint MI)	
8		Red Brown-Gray We	ravel, tr.sand (moist, ML)	
		Red Blown-Gray We	athered SILTSTONE	_
9				<u> </u>
			Refusal at 8.4'	Collected samples at
10				2', 4', 6', and 8' for
				analytical testing.
11				
`				_
12	-			_
'				_
				_
13	ļ			_
				_
14				_
_				
15				
	1			_
16	1			_
.0	l	I		L
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY: GEOLOGIST
METHOD O	F INVESTIG	ATION: ASTM 6282 - [DIRECT PUSH SAMPLING	

 STARTED
 7/16/2013

 FINISHED
 7/16/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

G.W. DEPTH

F-1

See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD

DEPTH FT. PID RADMG Gray F-c GRAVEL, little F-c Sand, tr-slit (moist, FILL) Brown-Light Brown F-c Sand, some F-c Gravel, tr-silt (moist, FILL) Black F-c Sand, little Fine Gravel, tr-slit (moist, FILL) Black F-c Sand, little Fine Gravel, tr-slit (moist, FILL) Black F-c Sand, little Fine Gravel, tr-slit (moist, FILL) Black F-c Sand, little Fine Gravel, tr-slit (moist, FILL) Black F-c Sand, little Fine Sand (moist, ML) Red Brown-Brown SILT, little Fine Sand (moist, ML) Red Brown-Brown SiLT, little Fine Sand (moist, ML) Contains occasional F-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little F-c Sand, little Fine Gravel (moist, SM) Red-Brown Weathered SILTSTONE Refusal at 8.9' Collected samples at 2', 4', 6', and 8' for analytical testing. RRILLER: R STEINER DRILL RIG TYPE: GEOPROSE 06200T CLASSIFED BY: GEOLOGIST	PROJ.	NO.:	BEV-13-030 BARK	ER, NEW YORK	_
Gray f-c GRAVEL, little f-c Sand, tr.silt (moist, FILL) Brown-Light Brown f-c Sand, some f-c Gravel, tr.silt (moist, FILL) Black f-c Sand, little Fine Gravel, tr.silt (moist, FILL) Black f-c Sand, little Fine Gravel, tr.silt (moist, FILL) Black f-c Sand, little Fine Gravel, tr.silt (moist, FILL) Black f-c Sand, little Fine Gravel, tr.silt (moist, FILL) Red Brown-Brown SILT, little Fine Sand (moist, ML) Brown Fine SAND, some Silt (moist, SM) Red-Brown SILT, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing.	DEPTH FT.			NOTES	
Black f-c Sand, little Fine Gravel, tr.silt (moist, FILL, possible Slag) Dark Brown Clayey Silt, tr.sand (moist, ML) Red Brown-Brown Silt, little Fine Sand (moist, ML) Brown Fine SAND, some Silt (moist, SM) Red-Brown Silt, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown Silt, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered Silt STONE Collected samples at 2', 4', 6', and 8' for analytical testing. Collected samples at 2', 4', 6', and 8' for analytical testing.					
Black f-c Sand, little Fine Gravel, tr.silt (moist, FILL, possible Slag) Dark Brown Clayey Silt, tr.sand (moist, ML) Red Brown-Brown SILT, little Fine Sand (moist, ML) Brown Fine SAND, some Silt (moist, SM) Red-Brown SILT, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing.	1		Brown-Light Brown f-c Sand, some f-c Gravel, tr.silt (moist, FILL)		
Black f-c Sand, little Fine Gravel, tr.silt (moist, FILL, possible Slag) Dark Brown Clayey Silt, tr.sand (moist, ML) Red Brown-Brown SILT, little Fine Sand (moist, ML) Sample #2 Recovery 1.6' Brown Fine SAND, some Silt (moist, SM) Red-Brown SILT, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing.				Sample #1 Recovery 3.0'	
Dark Brown Clayey Silt, tr.sand (moist, ML) Red Brown-Brown SiLT, little Fine Sand (moist, ML) Brown Fine SAND, some Silt (moist, SM) Red-Brown SiLT, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SiLT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SiLTSTONE Refusal at 8.9' Collected samples at 2, 4', 6', and 8' for analytical testing.	2				
Red Brown-Brown SILT, little Fine Sand (moist, ML) Brown Fine SAND, some Silt (moist, SM) Red-Brown SILT, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Refusal at 8.9' Collected samples at 2', 4', 6', and 8' for analytical testing.			Black f-c Sand, little Fine Gravel, tr.silt (moist, FILL, possible Slag)		
Sample #2 Recovery 1.6' Brown Fine SAND, some Silt (moist, SM) Red-Brown SILT, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing. Refusal at 8.9' Collected samples at 2', 4', 6', and 8' for analytical testing.	3		Dark Brown Clayey Silt, tr.sand (moist, ML)		
Brown Fine SAND, some Silt (moist, SM) Red-Brown SILT, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing. Refusal at 8.9' 10 11 12 13 14 15 16			Red Brown-Brown SILT, little Fine Sand (moist, ML)		_
Red-Brown SILT, little Fine Sand (moist, ML) Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing. Refusal at 8.9' Collected samples at 2', 4', 6', and 8' for analytical testing.	4			Sample #2 Recovery 1.6'	_
Contains occasional f-c Gravel seams Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock). Red-Brown Weathered SILTSTONE Refusal at 8.9' Collected samples at 2', 4', 6', and 8' for analytical testing.			Brown Fine SAND, some Silt (moist, SM)		_
Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM) Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing.	5		Red-Brown SILT, little Fine Sand (moist, ML)		_
Sample #3 Recovery 0.4' Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing. 11 12 13 14 15 16			Contains occasional f-c Gravel seams		_
Sample #3 Recovery 0.4' Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing. 11	6		Red Brown-Brown Fine SAND, some Silt, little Fine Gravel (moist, SM)		_
Sample #3 Recovery 0.4' Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing. 11					_
Red-Brown SILT, little f-c Sand, little f-c Gravel (moist, SM, possible Highly Weathered Rock) Red-Brown Weathered SILTSTONE Refusal at 8.9' Collected samples at 2', 4', 6', and 8' for analytical testing. 11	7				_
Weathered Rock) Red-Brown Weathered SILTSTONE Collected samples at 2', 4', 6', and 8' for analytical testing. 11				Sample #3 Recovery 0.4'	_
9 Red-Brown Weathered SILTSTONE 10 Collected samples at 2', 4', 6', and 8' for analytical testing. 11 12 13 14 15 15 16	8			nly	_
Refusal at 8.9' Collected samples at 2', 4', 6', and 8' for analytical testing. 11				/	_
10	9		Red-Brown Weathered SILTSTONE		_
11			Refusal at 8.9'	Collected samples at	_
11	_ 10			2', 4', 6', and 8' for	_
12				analytical testing.	_
13	_ 11				_
13					
14	12				_
14					_
15	13				
15					_
16	14				
16					
	15				
DILLED. D. CTEINED. DRILL DIG TYPE. CEODDOR COORT. CLASSIFIED DV. CEOLOGICA	16				
	NDII 1 ED	D 075	DRILL DIG TYPE. OF ORDERED SAMPLE	FIED DV: OF OLOGOT	

DRILLER: R. STEINER DRILL RIG TYP	E: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVESTIGATION: ASTM 6282 - DI	RECT PUSH SAMPLING			

STARTED FINISHED



TINIOT		1/10/2013	DIRECT 1 CON ECC		
SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE		BARKER CHEMICA	L SITE L	OCATION: <u>8473 W. SO</u>	
PROJ.	NO.:	BEV-13-030		BARKER, N	EW YORK
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
		Dark Brown Clayey S	SILT, tr.sand, tr.organics/ roots (m	noist, topsoil)	
1		Brown Clayey Silt, tr.	gravel, tr.cinders (moist, FILL)		_
'					<u> </u>
_					Sample #1 Recovery 3.0'
2		Brown Silty CLAY, lit	tle Fine Sand, tr.gravel (moist, Cl	_)	_
		L			
3		Red-Brown SILT, tr.s	sand (moist, ML)		
					_
4					Sample #2 Recovery 1.6'
_					Sample #2 Necovery 1.0
					_
5					_
		Red-Brown Weather	ed SILTSTONE, occasional Silty	Sand and Gravel seams	
6					
			Refusal at 5.8'		Collected samples at
			Neiusai at 3.0		2' and 4' for
— ′ —					_
					analytical testing.
8					
9					_
—					_
					_
10					_
11					
12					_
'					-
					-
13					4
14					
15					
'3					
					_
16					
DDII I ED.	D OTEM	JED DRILL DIG TY	OEODDODE econo	OLAGGIEED DV	CEOLOGIST
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIG	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		

STARTED FINISHED



SHEET		1 OF			SERVICES, INC.	G.W. DEPTH See Notes
PROJE			CHEMICAI	_ SITE	LOCATION: 8473 W. SO	
PROJ.	NO.:	BEV-13-0	30		BARKER, N	EW YORK
DEPTH FT.	PID READING			SOIL OR ROCK CLASSIFICATION		NOTES
		Dark Brow	vn Clayey S	SILT, little Fine Sand, tr.orgar	nics/ roots (moist, topsoil)	
1						
		Brown Cla	ayey Silt, so	ome f-c Sand (moist, FILL)		Sample #1 Recovery 2.8'
2						
3						
		No. 1 Crus	shed Stone	(wet, FILL)		
4				e Sand (moist, ML)		Sample #2 Recovery 2.0'
			little Fine G			
5						
6		Red-Brow	n Highly W	eathered SILTSTONE		
7						
8						-
				Refusal at 7.5'		Collected samples at
9						2' and 4' for
						analytical testing.
10						
11						
12						
13						
14						
15						
16						
DRILLER:	R. STEIN	IER	DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF				DIRECT PUSH SAMPLING	_	

STARTED **FINISHED**



SHEET	•	1 OF 1	SERVICES, INC.	G.W. DEPTH See Notes
PROJE	-CT·	BARKER CHEMICA	 L SITE LOCATION: 8473 W. SO	MERSET ROAD
PROJ.		BEV-13-030	BARKER, N	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION	NOTES
		Dark Brown Clayey	SILT, tr.sand, tr.organics (moist, topsoil)	
1		Becomes Brown		
		Brown Fine Sand, so	ome Silt (moist, SM)	Sample #1 Recovery 3.5'
2		Gray-Brown Clayey	SILT, some Fine Sand (moist, ML)	
		Brown SILT some F	ine Sand, occasional Clayey Silt seams (moist, ML)	_
3		Brown GILT, Gome T	ino cana, occasional ciayey cin ocamo (moist, M2)	-
4				Sample #2 Recovery 1.7'
		Contains Little f-c Sa	and	_
5				_
6		Red-Brown Clayey S	SILT, little Fine Sand (moist, ML)] -
		Red-Brown Weather	ed SILTSTONE	
7				
_			Refusal at 7.1'	
8			Netusal at 1.1	Collected samples at 2', 4', and 5.7' for
				
9				analytical testing.
10				_
10				_
11				
12				_
				_
13				_
				_
14				_
15				
16				
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED BY	GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 -	DIRECT PUSH SAMPLING	

STARTED **FINISHED**

7/16/2013 7/16/2013

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

SHEET		OF		SERVICES, INC.	G.W. DEPTH See Notes	_
PROJE	ECT:	BARKER CHEMICAI	L SITE	LOCATION: 8473 W. SC	MERSET ROAD	
PROJ.		BEV-13-030		BARKER, N		_
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES	
		Dark Brown Clayey S	SILT, tr.sand, tr.organics, tr.o	coal (moist, topsoil)		
1		Becomes Brown, Co	ntains little Fine Sand			
		L			Sample #1 Recovery 2.6'	
2		Brown Clayey SILT,	little f-c Sand, tr.gravel (mois	st, ML, probable reworked)		
3					Wet seam at 3.0'	_
		Red Brown-Brown S	ILT, some Fine Sand (moist,	ML)		_
4					Sample #2 Recovery 2.0'	_
_		Red Brown-Brown Fi	ine SAND, some Silt, little f-c	Gravel (moist, SM)	_	_
5		Red-Brown Weather	ed SILTSTONE			_
6						_
<u> </u>						_
7						
8			Refusal at 6.8'		Collected samples at	
					2' and 4' for	
9					analytical testing.	
10						
						_
11						_
						_
12						_
						\dashv
13						-
14						
— '¬—						
15						
16						
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY	: GEOLOGIST	
METHOD OF	F INVESTIG	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING		_	

STARTED **FINISHED**



SHEET	-	1 OF 1 ——		SERVICES, INC.	G.W. DEPTH See Notes
PROJE PROJ.		BARKER CHEMICA BEV-13-030	L SITE	LOCATION: 8473 W. SO BARKER, NI	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
1		Red Brown-Dark Bro	wn Clayey SILT, tr.sand (moist	, FILL)	_
		Brown Fine SAND, s	ome Silt (moist, SM)		1 7
		Brown SILT, some F	ine Sand (moist, ML)		
					_
_ 4		Brown Fine SAND, s	ome Silt, little Fine Gravel (moi	st, SM)	-
⁵		(moist-wet)			Black staining noted at 5.3'
6 <u></u>					_
⁷		Red-Brown Weather	ed SILTSTONE] _
8			Refusal at 7.4'		Collected samples at
9					analytical testing.
10					=
11					
12					_
13					
14					
15					_
 16					_
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 -	DIRECT PUSH SAMPLING		-

7/17/2013 STARTED 7/17/2013 **FINISHED** SHEET

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

OHLLI					- G.W. DEI III Gee Notes
PROJE	ECT:	BARKER CHEMICAL	L SITE	LOCATION: 8473 W. SON	MERSET ROAD
PROJ.	NO.:	BEV-13-030 BARKER, NEV		W YORK	
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
		Dark Brown Clayey S	SILT, tr.sand, tr.organics (mois	t, topsoil)	<u> </u>
1					_
			ine Sand and Silt (moist, SM)		Sample #1 Recovery 3.4'
2		Contains little f-c Gra	avel		
3		Contains occasional	moist-wet seams		
					_
4		Becomes Brown, Cor	ntains some Silt		Sample #2 Recovery 2.2'
		Contains some f-c G			_ ·
 5					_
<u> </u>		Red-Brown SILT, little	e Fine Sand (moist, ML)		<u> </u>
6		Gray-Red Brown We	eathered SILTSTONE		
— ° —					<u> </u>
			D (1 100)		Collected samples at
⁷			Refusal at 6.2'		_
					2', 4', and 5' for
8					analytical testing.
					<u> </u>
9					_
10					
11					
12					_
					_
13					_
					_
14					_
'¬					_
15					_
15					_
					_
16					
DRILLER:	R. STEIN	NER DRILL RIG TY	'PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	FINVESTIG	ATION : ASTM 6282 - [DIRECT PUSH SAMPLING		

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 STARTED
 8/6/2013

 FINISHED
 8/6/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. G(-1)
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

FROJ	. INO	DEV-13-030 DARKER, IN	EW TORK
DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
		Gray-Brown f-c SAND, little Fine Gravel, tr.silt, tr.roots (moist, FILL)	
	-		Sample #1 Recovery 3.0'
- '-	1	Gray f-c Gravel, tr.sand (moist, FILL, crushed Stone)	Dample #1 Necovery 5.0
	1	Cray i o Graver, a. sama (moist, i iee, crashed dione)	_
_ 2 _			_
	_	Black f-c Sand, little f-c Gravel, tr.silt, tr.slag (moist, FILL, Cinders)	
3			_
		Brown f-c Gravel, little f-c Sand (moist, FILL)	_
4		Brown Clayey SILT, little Fine Gravel (moist, ML, reworked)	
		Brown Fine SAND, some Silt (moist, SM)	Sample #2 Recovery 0.4'
5			Cobble blocked sampling shoe
	1		_
6	1		_
—	1		_
	-		_
<u> </u>	1		_
_	-		_
8			-
	1	Red-Brown Weathered SILTSTONE, occasional Silty Clay seams	Sample #3 Recovery 0.6'
9			<u> </u>
		Refusal at 8.9'	Collected samples at 2.2',
10			and 4' for analytical testing
11			_
			_
12			_
_ '-	1		_
13	†		_
- 13	1		_
l—	-		_
14	-		_
	4		_
15	1		_
]		_
16			

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	S. BOCHENEK
METHOD O	F INVESTIGATION:	ASTM 6282 - DIRECT PL	JSH SAMPLING		

8/6/2013 STARTED



FINISH	IED	8/6/2013	DIRECT PUSH LOG		SURF. ELEV
SHEET	-	1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes
PROJE	-OT.	DADKED CHEMICAL	OITE LOC	24TION: 0472 W. COI	AFROET DOAD
PROJ.		BARKER CHEMICAL BEV-13-030	_ SITELOC	CATION: <u>8473 W. SOI</u> BARKER, NE	
FROJ.	NO	DE V-13-030		DARKER, NE	W TORK
DEPTH	PID		SOIL OR ROCK		NOTES
FT.	READING		CLASSIFICATION		
		Gray-Brown f-c GRA	VEL, little f-c Sand, tr.silt (moist, FIL	L)	
1					Sample #1 Recovery 3.0'
					7
					_
2					-
			Silty CLAY, some f-c Sand, little Fine	e Gravel, tr.cinders,	_
3		tr.coal, tr.ash (mo	ist, CL, reworked)	/	
		\ Brown Clayey SIL	T, tr.sand (moist, ML)	/	7
4		Brown Silty SAND, tr	gravel (moist_SM)		
_		Diowii only oallo, ii	graver (moist, own)		
					Sample #2 Recovery 2.9'
5					<u></u>
6					
— —					-
_ —					_
7		Red-Brown Clayey S	ILT, tr.gravel (moist, ML)		_
		Red-Brown Weather	ed SILTSTONE		
8			Refusal at 7.5'		
9					
⁹					_
					_
10					
11					
					-
					_
12					_
13					
1.1					_
14					-
					_
15					
					7
16					
10					
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	S. BOCHENEK
METHOD OF	INVESTICA	ATION: ASTM 6282 - F	DIRECT PUSH SAMPLING		
1110D OF	#44E31IG/	AG 1 IVI 0202 - L	AINEO I I GOIT GAIVIF LING		_

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 8/7/2013

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 8/7/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

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G.W. DEPTH See Notes

PROJECT:	BARKER CHEMICAL SITE	LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.:	BEV-13-030	BARKER, NEW YORK

PROJ.	NO	BEV-13-030 BARKER, NE	EW YORK
DEPTH	PID	SOIL OR ROCK	NOTES
FT.	READING	CLASSIFICATION	
		Gray f-c GRAVEL, little f-c Sand, tr silt (moist, FILL, crusher run stone)	
1			
			Sample #1 Recovery 3.1'
2		Black to Brown f-c SAND, little f-c Gravel, tr silt, tr coal (moist, Fill, cinders)	Campio ii i recovery ci i
· ' —		Dark Brown Clayey SILT, tr ash (moist, FILL)	-
_			-
3		Gray Coarse GRAVEL (moist, FILL)	-
	7	Dark Brown Clayey SILT, tr sand (moist, ML)	-
4		Red Brown f SAND, some Silt, occassional silt seams (moist, SM)	Sample #2 Recovery 2.7'
5			
—			
_			
6			
		Red Brown Highly Weathered SILTSTONE	-
7		Brown f SAND, little Silt (moist, SM)	-
		Red Brown Silty CLAY, tr sand (moist, CL)	
8		Red Brown Weathered SILTSTONE	
· —	`	Refusal at 7.4'	
_			
9			
			Collected samples at 1.6',
10			4' and 6' for analytical
			testing
11			
12			
14			
-			
13			
14			
15			
13			
16			
		IER DRILL RIG TYPE: GEOPROBE 6620DT CLASSIFIED BY:	GEOLOGIST

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT PU	JSH SAMPLING		

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 STARTED
 8/7/2013

 FINISHED
 8/7/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. <u>G-2</u> SURF. ELEV

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See Notes

SHEET		OF		JEHVIOES, INC.	G.W. DEPTH See Notes
PROJI	ECT:	BARKER CHEMICAL	_ SITE	LOCATION: 8473 W. SOI	MERSET ROAD
PROJ.	. NO.:	BEV-13-030		BARKER, NE	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES
1		Red Brown SILT, tr s	SILT, tr organics (moist, topsoi and (moist, ML, possible rewo SILT, tr gravel (moist, ML)		Sample #1 Recovery 3.3'
_ 2		†	e f Gravel, occassional f sand	seams (moist, ML)	——————————————————————————————————————
4 5		Red Brown f SAND,	some Silt, little f-c Gravel (moi	st, SM)	Sample #2 Recovery 1.5'
6 7			Refusal at 5.9'		_
8 <u></u> 9					Collected samples at 2', 4' and 5.8' for analytical testing
10					
11 12					_ _ _
1314					
15 16					
DRILLER:	R. STEI	NER DRILL RIG TY	PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OI			DIRECT PUSH SAMPLING		

MISCELLANEOUS LOCATIONS

SHEET

STARTED FINISHED

7/16/2013 7/16/2013

1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

SB-1

G.W. DEPTH See Notes

PROJECT:	BARKER CHEMICAL SITE	LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.:	BEV-13-030	BARKER, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
FI.	READING	Gray f-c GRAVEL, little f-c Sand, tr.silt (moist, FILL)	
		Gray i G Grave EE, male i G Garia, tr.siit (moist, i iEE)	
_ 1			
		Black-Gray f-c Sand, little Silt, tr.gravel, tr.brick, tr.ash (moist, FILL)	Sample #1 Recovery 3.6'
2		Gray-Dark Brown Silt, tr.coal (moist, FILL)	
		Dark Brown SILT and Fine Sand (mosit, ML)	
3			
_		Decree Brown and a sixt and a sixt and a sixt and	
		Becomes Brown, occasional moist-wet partings	
_ 4			Sample #2 Recovery 2.9'
5			
6			
-			
_ —			Sample #3 Recovery 0.3'
_ 7			Cample #3 Recovery 0.5
		Contains little f-c Gravel	7.2' - 8.4' possible
8			weathered rock
		Gray Weathered SILTSTONE	
9			
-		Defined at 0.51	Collected samples at
		Refusal at 8.5'	
10			1.8', 4', 6', and 8' for
			analytical testing.
11			
12			
- '			
13			
14			
15			
- '			
16			

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT PL	JSH SAMPLING		

 STARTED
 7/17/2013

 FINISHED
 7/17/2013

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SB-2
SURF. ELEV
G.W. DEPTH See Notes

SHEET G.W. DEPTH 1 OF See Notes PROJECT: LOCATION: 8473 W. SOMERSET ROAD BARKER CHEMICAL SITE PROJ. NO.: BEV-13-030 BARKER, NEW YORK DEPTH SOIL OR ROCK NOTES PID **CLASSIFICATION** FT. READING Dark Brown Clayey SILT, tr.gravel, tr.sand, tr.organics (moist, topsoil) Brown Clayey Silt, some Fine Sand (moist, reworked) Brown f-c Gravel, tr.sand (wet) ________Sample #1 Recovery 1.9' Red-Brown SILT, little Fine Sand (moist, ML, probable reworked) 2 3 Sample #2 Recovery 1.3' Red-Brown SILT, little Fine Sand (moist, ML) Contains some f-c Gravel, some f-c Sand 5 Red-Brown Weathered SILTSTONE Collected samples at Refusal at 5.6' 0', 1.9', and 4' for analytical testing. #2 Sample -Approximately 0.5' of No. 1 Crush Stone on top of Red-Brown Silt, probable fell in from above 10 11 12 13 14 15 16

DRILLER: R. S	STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVES	STIGATION:	ASTM 6282 - DIRECT PU	USH SAMPLING			

 STARTED
 7/17/2013

 FINISHED
 7/17/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SB-3
SURF. ELEV
G.W. DEPTH See N

See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES	
FI.	KEADING	Dark Brown Clayey SILT, tr.sand, tr.organics (moist, topsoil)		
1	-	Brown Clayey Silt, little Fine Sand (moist, ML)		
_		Red Brown-Brown SILT, some Fine Sand, tr.gravel (moist, ML)	Sample #1 Recovery 3.0	
2	1	Trock Brown Brown Grant, assured the Gard, anglator (molet, m2)	Campio ii i recevery cie	
	1			
3				
4			Sample #2 Recovery 2.5'	
_		Brown Fine SAND, some Silt, little f-c Gravel (moist, SM)		
5		(,,		
6				
_	1	Red-Brown Weathered SILTSTONE		
7				
8		Refusal at 6.9'	Collected samples at	
			0', 2', 4', and 6' for	
9			analytical testing.	
10				
_ 11				
12				
13				
14				
15				
16	1			

DRILLER: R. S	STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVES	STIGATION:	ASTM 6282 - DIRECT PU	USH SAMPLING			

 STARTED
 7/17/2013

 FINISHED
 7/17/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SB-4
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

DEPTH	PID	SOIL OR ROCK	NOTES
FT.	READING	CLASSIFICATION	
		Dark Brown Clayey SILT, tr.sand, tr.organics (moist, topsoil)	
1		Red-Brown Clayey Silt, little Fine Sand (moist, ML)	
		Red Brown-Brown SILT, some Fine Sand, occasional moist-wet seams	Sample #1 Recovery 3.5'
2		(moist, ML)	
			_
3			<u> </u>
		Contains little f-c Gravel	<u> </u>
4			Sample #2 Recovery 2.1'
		Brown Fine SAND, some Silt, tr.gravel (moist, SM)	
5		, , , ,	
			_
			<u> </u>
6		Red-Brown Weathered SILTSTONE	_
7		Refusal at 6.2'	Collected samples at
			0', 2', 4', and 5.5' for
8			analytical testing.
9			_
— —			-
40			_
10			<u> </u>
			<u> </u>
11			<u> </u>
12			
			_
13			_
~			_
			_
14			_
			_
15			_
16			

DRILLER: R. S	STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVES	STIGATION:	ASTM 6282 - DIRECT PU	USH SAMPLING			

STARTED **FINISHED** 7/17/2013 7/17/2013



SHEET	•	1 OF 1	SERVICES, INC.	G.W. DEPTH See Notes
PROJE	ECT:	BARKER CHEMICAL	L SITE LOCATION: 8473 W. SO	MERSET ROAD
PROJ.		BEV-13-030	BARKER, NI	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION	NOTES
		Brown SILT, tr.sand,	tr.organics (moist, topsoil)	
1		Light Brown SILT, litt	le Fine Sand (moist, ML)	1
			,	Sample #1 Recovery 3.1'
2		Red Brown-Brown SI	LT, some Fine Sand, occasional Clayey Silt seams	
		(moist, ML)	,	
3		Contains little f-c Gra	vel	
_ ` _				_
4		Brown Fine SAND, s	ome Silt (moist_SM)	Sample #2 Recovery 1.6'
			a, occasional moist-wet seams	Campic #2 Necovery 1.0
 5		becomes Rea-brown	i, occasional moist-wet seams	-
—		Contains little f-c Gra	vel	-
				\vdash
6				
			e Fine Sand (moist, ML)	-
_ 7 _		Red-Brown Weather	ed SIL1STONE	↓ ⊢
			Refusal at 7.1'	_
8			Netusal at 1.1	Collected samples at 0, 2', 4', and 6' for
_				
9				analytical testing.
				_
10				_
				_
11				_
				_
12				_
				_
13				<u> </u>
				_
14				_
15				
16				
DRILLER:	R. STEIN	IER DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED BY:	GEOLOGIST
METHOD OF	INVESTIGA	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING	

 STARTED
 7/17/2013

 FINISHED
 7/17/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SB-6
SURF. ELEV
G.W. DEPTH See N

See	Notes	

PROJECT:	DADKED CHEMICAL	CITE	LOCATION: 8473 W. SOMERSET ROAD	_
PROJECT.	BARKER CHEMICAL	SILE	LOCATION. 8473 W. SOWERSET ROAD	
PROJ. NO.:	BEV-13-030		BARKER, NEW YORK	

DEPTH	PID	SOIL OR ROCK	NOTES	
FT.	READING	CLASSIFICATION		
1	-	Dark Brown SILT, little Fine Sand, tr.gravel, tr.organics (moist, topsoil) Red Brown-Brown Fine Sand, some f-c Gravel, tr.silt (moist, reworked)	Sample #1 Recovery 3.0'	
2			oumpio in rissorio y sio	
3		No. 1 Crush STONE, tr.sand (wet, FILL)		_
4		Brown Fine SAND, some Silt, tr.gravel, tr.organics, occasional f-c Sand laminations (moist, SM, possible reworked)	Sample #2 Recovery 1.1'	
		Red-Brown SILT, tr.gravel, tr.sand (moist, ML)		_
5		Red-Brown Weathered SILTSTONE		-
6		Refusal at 5.5'	Collected samples at	
7	-	Refusal at 5.5	0', 3.1', and 4' for analytical testing.	
8	-		and the second	
9	-			
10	-			
11	-			
12	 -			
13	-			
14	-			_
15]			
_ '	=			
16				

DRILLER: R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVESTIGATION:	ASTM 6282 - DIRECT F	PUSH SAMPLING			

 STARTED
 7/17/2013

 FINISHED
 7/17/2013

 SHEET
 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SB-7
SURF. ELEV
G.W. DEPTH See N

See Notes

PROJECT: BARKER CHEMICAL SITE LOCATION: 8473 W. SOMERSET ROAD
PROJ. NO.: BEV-13-030 BARKER, NEW YORK

DEPTH	PID	SOIL OR ROCK	NOTES
FT.	READING	CLASSIFICATION	NOIES
		Brown-Black f-c SAND, some f-c Gravel, little Silt, tr.brick, tr.cinders (moist,	
1		FILL)	_
		Contains occasional Fine Sand seams	Sample #1 Recovery 3.0'
2			
		Red Brown-Black SILT, tr.slag (moist, FILL)	_
3		Gray-Brown SILT, tr.sand (moist, ML)	_
			_
4			Sample #2 Recovery 3.0'
		Contains some Fine Sand, tr.gravel (moist-wet)	_ · _
5		Becomes Brown	
			_
6			
			_
7			Sample #3 Recovery 0.4'
			_ · _
8			
			_
9			
		Refusal at 8.8'	Collected samples at
10			2', 4', 6', and 8' for
			analytical testing.
11			_
			_
12			
			_
13			_
			_
14			
			_
15			_
<u> </u>			_
16			_
	<u> </u>		

DRILLER:	R. STEINER	DRILL RIG TYPE:	GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF	INVESTIGATION:	ASTM 6282 - DIRECT PU	USH SAMPLING			

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STARTED 8/6/2013 8/6/2013 **FINISHED**

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

B-5R

SHEET		1 OF 1	SERVICES, INC	G.W. DEPTH See Notes
PROJI	ECT:	BARKER CHEMICAI	LOCATION: 8473 W.	SOMERSET ROAD
PROJ.	PROJ. NO.: BEV-13-030 BARKER, NE		, NEW YORK	
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION	NOTES
		Brown Gray f-c SANI	D, little f Gravel, tr silt, tr organics (moist, FILL)	
1		Brown to Gray f-c GF	RAVEL, little f-c Sand, tr silt (moist, FILL, crusher run st	one)
		Red Brown Silty CLA	Y, tr gravel (moist, FILL)	Sample #1 Recovery 2.6'
			ROCK FRAGMENTS (moist, FILL)	Sulphur odor noted on
3		Dark Gray Clayey SI	LT, occassional f gravel size Coal seams (moist, FILL, o	coal Sample #1
4		seams are wet)		Sample #2 Recovery 3.1'
		Gray f-c SAND, little	Silty Clay, tr gravel (moist, SW, possible fill)	
5		Light Gray to Gray C	layey SILT, tr gravel (moist, ML)	_
6		Brown to Red Brown	SILT and f SAND (moist, ML)	
		Red Brown Clayey S	ILT, tr gravel, tr sand (moist, ML)	_
7				_
 8				_
		Red Brown Weather	ed SILTSTONE	
9				_
10				Sample # 3 Recovery 2.0'
			Refusal at 10.0'	_
11				Collected samples at 2.5'
				6' and 8' for analytical
12				testing
				_
13				_
 14				_
— '¬—				_
 15				_
16				_
DRILLER:	R. Steir	ner DRILL RIG TY	PE: GEOPROBE 6620DT CLASSIFIED	BY: GEOLOGIST
METHOD OF	F INVESTIG	ATION: ASTM 6282 - I	DIRECT PUSH SAMPLING	

SHEET

STARTED FINISHED

8/5/2013 8/5/2013 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

В/

G.W. DEPTH See Notes

PROJECT:		BARKER CHEMICAL SITE LOCATION: 8473 W. SOI		473 W. SON	MERSET ROAD		
PROJ.	NO.:	BEV-13-030		ARKER, NE			
DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION			NOTES		
		Gray-Brown f-m GRA	VEL, some f-c Sand, tr.silt (moist, FILL)				
1							
		Brown to Black f-c Sa	<u> </u>				
		Dark Brown SILT, tr.					
3							
		Brown Clayey SIL	_				
4		Red-Brown Fine SAN		Sample #2 Recovery 2.6'			
5					_		
 6		Contains and Silt (mo	Contains and Silt (moist-wet)				
_					_		
7		Becomes Brown to R		_			
8					<u></u>		
		Red-Brown SILT,	little Fine Sand (moist, ML)	//	Sample #3 Recovery 0.2'		
9		Gray Weathered SILTSTONE		/	_		
10			Refusal at 8.2'		_		
					Collected samples at 1.6',		
11					2', 4', 6' and 8' for		
 12					analytical testing		
'					_		
13					<u> </u>		
14					-		
' ⁻							
15					_		
 16					<u> </u>		
DRILLER:	R. STEIN	NER DRILL RIG TY	PE: GEOPROBE 6620DT CL	ASSIFIED BY:	S. BOCHENEK		
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING							

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STARTED 8/7/2013 FINISHED 8/7/2013 SHEET 1 OF 1

SJB SERVICES, INC. DIRECT PUSH LOG



HOLE NO. SURF. ELEV

See Notes

B-8R

SHEET		1 OF 1		SERVICES, INC.	G.W. DEPTH See Notes	
PROJECT:		BARKER CHEMICA	BARKER CHEMICAL SITE LOCATION: 8473 W. SON		MEDSET DOAD	
PROJECT:		BEV-13-030 BARKER, NE				
DEPTH FT.	PID READING		SOIL OR ROCK CLASSIFICATION		NOTES	
		Brown SILT, little f-c	Sand, tr gravel, tr organics (moi	st, topsoil)		
1		Brown f-c GRAVEL,	little f-c Sand, tr silt (moist, FILL)	_	
		Red Brown f SAND a	Sample #1 Recovery 2.6'			
2			,		_	
					_	
3		Black f-m GRAVEL,	some f-c Sand, tr ash (moist, FII	LL, cinders)		
		·	, , ,	,		
4		Dark Brown Clayey S	SILT (moist, ML, possible rework	:ed)	Sample #2 Recovery 1.8'	
			e f Gravel, little f Sand (moist, M		·	
5		·	, ,	,		
6		Contains tr gravel				
7						
		Red Brown Weather	ed SILTSTONE		Collected samples at 2.6',	
8			Refusal at 7.2'		4' and 6' for analytical	
					testing	
9					_	
10					_	
					_	
11					_	
12					_	
13					_	
14					_	
15						
16						
DRILLER:	R. Steir	ner DRILL RIG TY	/PE: GEOPROBE 6620DT	CLASSIFIED BY:	GEOLOGIST	
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING					_	