	Shaw E & I, Inc. Engineering Corporation						Οŀ	RING LOG	Boring: Job Number:	LF003	-MW1 382	
	10.	iigiiicci ii	ing Cor	рогации	1	D	O1	divo Loo	Sheet:	1	3	
	Site:			New Boston Air For	rce St	ation		Shaw Geologis	st/Eng.: Ben Short			
Con	nments:											
Elev.	Depth	San	nple	Blows or Recovery	SPT	PID/I	USC	Sample	Description		T	
(feet)	(feet)	Туре	No.	RQD	SPT N Value	PID/FID (ppm)	USC Symbol	Unified Clas		Remarks		
	0'	aa							- Pavement			ple collected
	2'	SS	1			0.0		0.25-5' Light brown, medium) some	0-0.5' b (S	IS5-SS-01)	
								,	Į		,	
	4'					0.0		5'-	ŀ			
	6'								Ī			
	8'							-				
	101			44.40.60				2.				
	10'			11,10,6,2		NA		Blow cour No reco	-			
	12'									Ī		
	14'							-		ŀ		
		SB	1A	9,8,6,6		0.0			m 15-17', 10" recovery			ple collected
	16'							15-17' - Light brown,	fine SAND and GRAVEL	, <u> </u>	15-17	(SIS5-SB01A)
	18'									Ī		
	20'											
	221							71	22.251.121			
	22'	SB	1B	4,9,36,81		0.0		23-25' - Dark brown, fine S.	m 23-25', 12" recovery AND and GRAVEL, misc.	debris	San	ple collected
	24'								wn SAND and GRAVEL			(SIS5-SB01B)
	26'							4	Large Boulder Overburden	ŀ		
								27-28	8'- Boulder	ļ		
	28'				-	28' - Overburden						
	30'									-		
Ren	arks:											
	Note:											
										Appr	oved	Date
										R	М	11/5/2009

	Shaw]	E & I ng Cor	, Inc. poration		В	OF	RING LOG	LF003-MW1 136382				
									Sheet:	2 3		
-	Site:			New Boston Air For	ce St	ation	ı	Shaw Geologis	st/Eng.: Ben Short			
	nments:	Cam	1.		S	P	Ic	Commis	Daganindian			
Elev.	Depth	San	nple	Blows or Recovery	TZ	D/E	SCS	Sample	Description			
(feet)	(feet)	Туре	No.	RQD	SPT N Value	PID/FID (ppm)	USC Symbol	Unified Class	sification System	Remarks		
	32'			49,48, 53, 100 for 4		0.1		Plays counts from	1 33-35', 8.5" recovery			
	34'			49,46, 33, 100 101 4		0.1			edium SAND and GRAVE	EL		
	36'											
									5' - Boulder			
	38'							initial wat				
	40'											
	42'											
	44'											
	46'											
	48'							48.3'	- Bedrock			
	50'											
	30											
	52'											
	54'											
	56'											
	58'				-		<u> </u>					
	60'											
	62'					61' - very competent bedrock						
Ren	arks:		•	•		•	•	•		ı		
1	NT 4											
	Note:									Approved	Date	
										RM	11/5/2009	

	Shaw 1				D	ΩI	DINCLOC	LF003-MW1			
	Ei	ngineerii	ng Cor	poration	-	D	Or	RING LOG	Job Number: Sheet:	136382 3 3	
	Site:			New Boston Air For	ce St	ation		Shaw Ceologis	t/Eng.: Ben Short	3 3	
Con	ments:			Tien Boston IIII I of	ee se		1	Shaw Geologis	a Eng. Ben bhort		
Elev.	Depth	San	ıple	Blows or Recovery	SPT	PID,	usc	Sample	Description		
(feet)	(feet)	Туре	No.	RQD	SPT N Value	PID/FID (ppm)	USC Symbol	Unified Class	sification System	Remarks	
	64'					0.0		65-76' - S	mall Fractures		
	66'										
1	68'					0.0					
	70'					0.0					
						0.0					
	72'										
	74'					0.0					
	76'										
	78'					0.1					
	80'					0.1		80-81' water	bearing fracture		
	82'								xploration 81' 3-MW2 at 81'		
								Set El 00.	7-IVI W 2 at 01		
	84'					NA					
	86'										
	88'										
	90'				-	-	-				
İ				9,8,6,6		1					
Ren	ıarks:		l	7,0,0,0	1	1		l			
	Note:										
7.000										Approved	Date
										RM	11/5/2009





Ву	Date 10/24/24 Su	bject Surficial Soil	Sampling	Sheet No.	of
Chkd. By	Date	AROA T		Proj. No	
					.25 in. X .25 in.
NRP	N 55 015	s e 1320			
		DUMED SON			
		ROCE FIVE			
		ns · Tracs	ASPWALT F	Stromoors	
	P10:0.9				
-					
KBPD4	4 5B 15 A	C 1330			
	1.5-2.0'				
	LT BROWN	P. NE 50 ND			
		1010 - 10157	1-30-30-		
-	P.D. Ø Ø	3			
NBPO	4 55014	C 1400			
	-05 ba				
		nd Med Sons			
		· Coose 1005	r - Tapes	asphult.	
	P10: \$ 19				
NBAPA	A 53 14A	C 1470			
	5-2.0 / b				
	LT BRW				
Total Control	TERES S	educe Lose m	-015T		
	P'O', & '&				
The second secon					
NBA	AFS IRP RI/FS	D-4	per medican per construction of the constructi		108A-12-98
	. = .~	.		/ /	

NBAFS



Зу	Date 10/20109 Subject Surficial Soil Sampling	Sheet No	of
Chkd. By	Date	Proj. No	05 in V 05 i
MADA	44 55013 C 1430		.25 in. X .25 in.
	0.0-0.5' bas LT BRD MED SOND + GRAVEL		
	Loose - Day - TRACE psylatt		
	A D: Ø . Ø		
HANGU	5B13A C 1450 = 1.5-2.0' bq5		
	DARK Brown Mos SOND + Graver - Losse Most		
	P1 > : \pi . \pi		
1215.			
1315 - Se	cueso Sins Packed up + OFFSITE		
NBA	AFS IRP RI/FS D-5	a radiotamentant (2. 1911) (2. 1911) (2. 1911) (2. 1911) (2. 1911) (2. 1911) (2. 1911) (2. 1911) (2. 1911) (2. 1911)	108A-12-9



NBAFS



Shaw Shaw Environmental, Inc.

Ву	Date 10 - 30	Subject SoeF	اند، عد	Soil	SAMPL	126	_ Sheet	No	(of	
Chkd. By	Date						_ Proj. N	No			
					enterior and adults from the Paris 1999 (enterior and	yerr er en	**************************************			.25 in.	X .25 in.
OP20.	H+5 ma										
	<u> </u>	Sou Fue	Leoes.							-	
	Ackup B	quip-4									
M. DOWNER!	CLOUDY										
	100 Ex										
AQ. 4											1
O'BJ. S.)*P\	Soil Sm	-pun-	7							
NIRPOU	55 OS	e 0740							**************************************		
	· 0.5 f										
		pase San	_							İ	
	sover - C		9				:				
		- In Bows					:				
F	ø.\$								100		
The second control of the second control of											
NBPOH S	605A L	0815									
And the second s	5.2.0'b										
LT	Bas Fin	4 SP*D									
778	ace Gra	ماطاها - سعد	65 1 W					ļ			
Bo	~~ e_2'										
Pis	ა. ø.ൾ							ļ			
											The state of the s
			ļ <u>i.</u> .					ļi.			
NBPDHS	sole e	0835									and the second
4	0-0.5'b							ļ			
The state of the s		edium Sp	1 1								
261		obbles - L	.04 5 2.								
محر	nst Pi	0.12.18									
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				<u> </u>		<u> </u>	
				Total Control of the							
NBAFS	S IRP RI/FS	and the state of t	nid kaibasia	D-6		Cobsession and the control of	: 			Marshamar s'arra ha lana	108A-12-98





Ву	Date	Subject					Sheet No	·	of	_
Chkd. By	Date				- 44		Proj. No.		05 i= V 05	
						mana ang pinakan ang mang pang s		1,	.25 in. X .25	ın.
	15806A		- + Y	riad	Dupe	STAJA	#3	(5	w <u>~</u>)	
1.5	-2.0'b	1 5								
L	Beauty Co	-10 Bene	D - 6000	.vec						
~ De	mule LAYOR	e 175'	Possib	لعا			-			
	phase Fa									
	A CONTRACTOR OF THE PARTY OF TH	د خياسخ ^				. الم دم				
		160 Pouring	- V345,54	L WOOD S	مد و	7 203	>			
14 £	۵: <i>.</i> ه									
KIRDOW	5604 B	0930								
).o - o.									
		n wedo.			-1					desir e Co
		navel- Le	ose moi	4r 50	a-5					
	PID: Ø.Ø									
<u></u>										
*										
NBPA	H SB046	7 e 1000								
	1.5-2.0									
		كمميعو	400							
	+ Gn Ave		3685							
Amaza madamaan is		melet &							Andrew Control	
		F1.65 F								
	RFSL C	. 2' bys -	Borrow	_						····
	-									
	7. T.									
NID A I	FS IRP RI/FS					erantum mineratum manakani d	HPD III TO THE TOTAL THE TOTAL TO THE TOTAL			P1.
INDAI			1 /- /						1084-1	. O. O





By Date 10 · 30 Subject	Sheet No of
Chkd. By Date	Proj. No .25 in. X .25 ir
NBPAH5503 e 1020	
0.0-0.5 bas	
DARK BROWN COARGE SOVD	
+ ANGULAR GRAVER - TRACE	
Asphar Fractors.	
P'0'.9.0	
NG 2011 CG 2000 A 2011 C	
NBRAH SB 03A @ 1045	
LT BROWN - SO MEDIUM SAND	
4 GRAVEL LODGE MOIST	
PID: Ø. Ø	
02	
NBPAH 55 # 6 1100	
0.0.0.51 bas	
Dork Brown Coase Sand	
+ GREVER - TRACE FINES	
Loose moist Soils	
P1 5: 6 · 0	
NBPAH 5B02A e 1115	
1.5. 2.0	
LT BROWN COARDS SAND + GROUD	
Some Fines	
Loose- moist	
P10: 12.13	
NBAFS IRP RI/FS D-8	108A-12





Ву	Date	Subject					 	Shee	t No.		of		
Chkd. B	y Date						 	Proj.	No		25 i	n. X .2	
NBPA	H 55 02 C	1130						···································			. حی	U. A .4	zo III.
	-0.5' bas								2				
	DORK BOW												
	TRACE AS		J~~<	\$	-		 			abusas su significa			
	Thoco F												
	Some con												
	P1 D! Ø. W				**************************************								
								:					
* * * * * * * * * * * * * * * * * * *							 						
FBU	PAH SB OF		ဆ										
200	1.2.3.												
		WN COARS	e Sav	ND	The second second second								
	Some of				 	†							
		+ moist 5	>> 4										
	P10:50									i			
												1	
										'			
											:		
				14									
					- - - - - - - - -		 						
					Caraman and Carama							1	
							 						W. at
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1													:
Annual sections of the section of th													
								<u> </u>					
g total standard and a second of the graph o													
	NBAFS IRP RI/FS			D-9								108	BA-12-98



Soil Boring NBPAH-SB01 Page: 1 of 1

Pr	oject _/	New Bos	ston Air Fo	orce S	Station		Owner _	USAF			COMMENTS
Lo	cation .	310 Ch	estnut Hill	l Road	d, New E	Bostor	, New Hampshire		Proj. No.	136382	ND = Not detected
Sı	ırface El	ev <i>N</i> /	1	Tot	al Hole [Depth	2.0 ft.	North	East		Samples collected (SS-01 and
To	p of Cas	sing N	4	Wa	ter Leve	l Initia	<u>NA</u>	Static NA	Diam	neter	SB-01A) were sent to the laboratory for analysis.
							Rig/Core				
	ill Co						Air Knife/Vac/F				
							ort [Dormi	+ # NA	
				_	•		icense No				
	iecked E	ру					icense No				
				۲×		SS.			Des	cription	
	Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.				·	
	ا تق	<u>а</u>	Sam Re	Slow	Gra	scs				ture, Structur	
			03/8	ш		Ď		Geologic E	Descriptions	s are Based on	the USCS.
L	0 -									NB 755	A) (=1 , , , , , , , , , , , , , , , , , , ,
		ND			0 (SP GP	Dark brown,	moist, loose, co	oarse SA	ND and GR	AVEL, trace fine sand
				Ц	° V °	GF					
┢	1										
		ND			0 (SP	Light brown,	moist, loose, co	oarse SA	ND and GR	AVEL, some fine sand
-	2 -			Ц	· () °	GP					
							Fnd of explo	oration at 2 feet l	below su	rface grade.	
							Lina or oxpic	7 di 2 100t 1	00.011 00	nace grade.	
┝	4 -										
L											
1/10											
7											
GDI	_										
ORP.	6 -										
ŏ ⊢											
<u>-</u>											
3S.G	4										
LOG											
Į,											
<u></u>	0										
12/02	8 –										
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/1/10											
Re											
뢌	4										
4ERC											
OM											
× _	10 -										
SHA	10										

Soil Boring NBPAH-SB02
Page: 1 of 1

Project _	New Bos	ston Air F	orce S	Station		Owner _	USAF			COMMENTS
Location	310 Ch	estnut Hi	II Road	d, New E	Bostor	n, New Hampshire		Proj. No.	136382	ND = Not detected
						2.0 ft.		•		
						al NA				SB-02A) were sent to the
				-						I
						Rig/Core				
								on land Auge	<i>,</i> 1	-
						Air Knife/Vac/H		<u> </u>	N/A	-
			_	•		ort				-
Checked	Ву				L	icense No				-
		ID ery	unt	υ	ass.			Des	cription	
Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.				•	
		San % Re	30w Rec	5 ¹	SSS		Coolon		ture, Structure)	LISCS
		6,			ر		Geolog	ic Descriptions	s are Based on the	. 0303.
L 0 -				14 14 14 14 14 14 1		D-d-line			ND	and the sea Company of Company
	ND				SP	Dark brown, asphalt fragi		coarse SA	ND, some grav	vel, trace fine sand, trace
			Ц	<u>knija jangian</u>		aophait iragi	Horito			
	1									
	ND ND				SP	Light brown,	moist, loose,	coarse SA	ND, some gra	vel, trace fine sand
<u> </u>	4		Ц							
						Fnd of explo	ration at 2 fe	et below su	rface grade.	
							1411011 41 2 10	01 201011 00	nace grade.	
_	1 1									
- 4 -	4									
/10	1									
7										
TOS										
₽ 6 -	4									
8										
=										
GP.										
SS										
]										
DRI										
§ - 8 -	1									
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/1/1/10 1										
Sev:										
<u>-</u> _]									
RCIA										
MM										
8										
<u></u> ≧ 10 −	1 1									
₷										



NBPAH-SB03
Page: 1 of 1 Soil Boring

Р	roject _	New Bos	ston Air F	orce S	Station		Owner _	USAF			COMMENTS
L	ocation .	310 Ch	estnut Hi	II Road	d, New E	Bostor	, New Hampshire		Proj. No.	136382	ND = Not detected
							2.0 ft.		-		Samples collected (SS-03 and
							NA NA				SB-03A) were sent to the
											laboratory for analysis.
							Rig/Core				
									Tianu Auger	<u>'</u>	
	rill Co						Air Knife/Vac/H				
				_	•		ort D				
C	Checked E	Зу				L	icense No				
Γ			~!>	±.		S.					
	€∼	O F	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.			Desc	cription	
	Depth (ft.)	PID (ppm)	Rec	o w C	3rap Lo	CS			(Color, Text	ure, Structure)	
			iÿ %	ĕ [~]		Sn		Geologic	Descriptions	are Based on the l	JSCS.
F											
┝	- 0 -			П	, 0. (SP	Dark brown	coarse SAND	and angula	ar GRAVFL tra	ace asphalt fragments
		ND			° () °	GP	Bank Brown,	000100 07 11 12	and angun	a. 0.0 (v = 12, a.	acc acpital raginomo
				٦							
L											
				\neg			Liabt beause		di C /	AND and CDAY	/ - 1
		ND				SP	Light brown,	moist, ioose, i	medium SA	AND and GRAV	/EL
┝	- 2 -			Ч	kni ja ji knjiškni						
							End of explo	ration at 2 feet	t below sur	face grade.	
							'			J	
L											
┝	- 4 -										
L											
1/10											
5											
EDT.											
<u>8</u> -	- 6 -										
8											
_											
GP											
96	7										
R											
8	- 8 –										
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1//11/10											
ě.											
اب											
RC/	7										
/IME											
8											
ĕ-	- 10 —										
꼾L											



Soil Boring NBPAH-SB04
Page: 1 of 1

F	Project New Boston Air Force Station Owner USAF Location 310 Chestnut Hill Road, New Boston, New Hampshire Proj. No. 136382 ND = Not detected											
	•		ND = Not detected									
									_ East			
									_ Diameter	SB-04A) were sent to the		
		-								laboratory for analysis.		
	Screen: Dia _NA Length _NA Type/Size _NA Casing: Dia _NA Length _NA Type _NA											
Fill Material Native Rig/Core Air Knife/Vac/Hand Auger Drill Co. NHB Method Air Knife/Vac/Hand Auger									iu Augei			
				-	•				Permit # NA			
(Checked	By				L	icense No					
ſ			~! >	# .		S.			December			
	₩	ΔÊ	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.			Description			
	Depth (ft.)	PID (mdd)	Rec	ow (Grap Lo	S		(Col	or, Texture, Structure)			
			\Q %	ĕ ⁽²		Sn		Geologic Des	scriptions are Based on the	USCS.		
ŀ												
	_											
ŀ	- 0 -	╢ │		Н			Dark brown,	moist, loose, med	lium SAND, some gra	vel		
		ND				SP						
ŀ	-	4 1										
				Н			Light brown	moist loose coal	rse SAND and GRAV	FL_trace fine sand		
	_	ND				SP	Light brown,	1110101, 10000, 0001	TOO ON IND AND ON ON	LE, trace into daria		
Ī	- 2 -	1		٦								
				fusal).								
- -	_	4										
	4											
Ī	- 4 -	1										
٠	-	4										
17												
-												
8	•											
ORF	- 6 -	7										
ŏ												
2												
SS.G	-	4										
Log												
占	0											
12/02	- 8 -	7										
. 6/1												
Rev												
諅	_	4										
ERC												
MM												
2	40											
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10	– 10 -	7										



NBPAH-SB05
Page: 1 of 1 Soil Boring

	Project	COMMENTS						
		ND = Not detected						
								Samples collected (SS-05 and
							NA Static NA Diameter	SB-05A) were sent to the
		_					Type/Size _NA	laboratory for analysis.
							Type NA	
							Rig/Core _Air Knife/Vac/Hand Auger	
							Air Knife/Vac/Hand Auger	
							ort Date 10/30/09 Permit # _NA	
,	Спеске	а ву					icense No	
				ŧ,		SS.	Description	
	Depth (ft.)	PID)	Cou	Graphic Log	Cla	Description	
	De		Sample ID % Recovery	Blow Count Recovery	Grand L	USCS Class.	(Color, Texture, Structure)	
			0/1%	ш –		ľš	Geologic Descriptions are Based on the U	JSCS.
İ								
ŀ	- 0	\dashv		Г			Dark brown, loose, coarse SAND and GRAVEL, som	no cobblos
		ND			0 0	SP GP	Dark brown, loose, coarse SAND and GRAVEL, Son	ie coppies
					. 6. [. 3			
	_							
							Light brown, fine SAND, trace gravel and cobbles	
	0	ND				SP	Light brown, and or with, adde graver and obbbios	
	- 2							
							End of exploration at 2 feet below surface grade.	
	-	1						
	- 4	4						
	_							
1/10								
1/1								
GDT	_							
ORP.	- 6							
Ľ.								
2								
3S.G	-	4						
Σ								
RILL								
D 2	- 8							
112/0	5							
ey: 6								
_ '								
CIAL	_	1						
MEF								
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10								
Α̈́	- 10	\dashv						
당								



Soil Boring NBPAH-SB06
Page: 1 of 1

		New Bos	COMMENTS					
L	ocation	310 Ch	ND = Not detected					
5	Surface E	lev <i>NA</i>	4	_ Tot	al Hole [Depth		Samples collected (SS-06 and
							I _NA Static _NA Diameter	SB-06A) were sent to the laboratory for analysis.
5	Screen: E	Dia <i>NA</i>		_ Ler	ngth _ <i>N</i>	4	Type/Size _ <i>NA</i>	
(Casing: D	Dia <i>NA</i>		_ Ler				
							Rig/CoreAir Knife/Vac/Hand Auger	
							Air Knife/Vac/Hand Auger	
	Oriller _	Gregg/Sh	nawn	_ Log	ву <u>В</u> е			
(Checked	Ву				L		
Γ						νό.		
-	₽_		Sample ID % Recovery	Blow Count Recovery	i 드 드	USCS Class.	Description	
-	Depth (ft.)	PID (mdd)	Reco	ow C	Graphic Log	SS	(Color, Texture, Structure)	
-				폴띠		nS	Geologic Descriptions are Based on the U	JSCS.
ŀ		#						
-								
-								
-	•							
ı	- 0 -	ND			, , ,	SP	Light brown, moist, loose, coarse SAND and GRAVE	
-		ND		Ц	° () °	GP	and boulders, dark layer at 1.75' (possible asphalt fr	agments)
-								
╁		+						
-								
-		ND				SP	Dark brown, moist, loose, medium SAND, some gra	vel
	- 2 -	1		Ц		0.		
-	_						End of exploration at 2 feet below surface grade.	
-							Lift of exploration at 2 leet below surface grade.	
-								
Ī		1						
-								
-								
ŀ	- 4 -	1						
-								
-								
		4						
11/1								
_								
9.6	- 6 -							
SOR	J							
Ξ								
GPJ								
		1						
DRIL								
8	- 8 -	\parallel						
6/12								
Rev:								
ᆉ		1						
ERCI,								
MME								
2	10							
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10	- 10 -							



Soil Boring NBPAH-SB07

						Tage. 1 of 1
					Owner USAF	COMMENTS
					n, New Hampshire Proj. No136382	
Top of Ca	sing _ <i>N</i> /	<u>4 </u>	Vater Leve	l Initia	NA Static NA Diameter	SB-07A) were sent to the laboratory for analysis.
					Type/Size <i>_NA</i>	.
Fill Materia	al <i>Nati</i>	ve			Rig/Core Air Knife/Vac/Hand Auger	
Drill Co.	NHB		N	1ethod	Air Knife/Vac/Hand Auger	
Driller _G	regg/Sh	awnL	og By _B	en Sh	ort Date10/29/09 Permit # <i>NA</i>	
Checked I	Ву			[icense No	
Depth (ft.)	OIA (mdd)	Sample ID % Recovery Blow Count	Recovery Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic Descriptions are Based on the	USCS.
- 0 -			××××			
	ND			FILL	Dark brown, loose, medium SAND and GRAVEL, tr	ace cobbles
- 2 -	ND				Dark brown, moist, loose, coarse SAND, trace fine	sand, some cobbles
					End of exploration at 2 feet below surface grade.	
-						
_ 4 _						
SHAW_COMMERCIAL_Rev: 6/12/02_DRILL_LOGS.GPJ_IT_CORP.GDT_1/11/10						
8 – 6 –						
8						
<u>⊨</u>]						
S.GP -						
90]						
A L						
g 8 – g						
6/12/0						
Sev:						
- A						
ERCI						
OMM						
ŏ ≩ - 10						
SHA						



Soil Boring NBPAH-SB08 Page: 1 of 1

Project .	New Bos	ston Air F	Force S	tation		Owner USAF COMMENTS							
Location	ocation 310 Chestnut Hill Road, New Boston, New Hampshire Proj. No. 136382 ND = Not detected												
						NA Statio NA Diameter SB-08A) were sent to the							
						Type/Size NA laboratory for analysis.							
						Type NA							
						Rig/Core Air Knife/Vac/Hand Auger							
						Air Knife/Vac/Hand Auger							
			-	•		ort Date <u>10/29/09</u> Permit # <u>NA</u>							
Checked	Ву				L	icense No							
		>	ţ		s,								
€ _) ne	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description							
Depth (ft.)	PID (mdd)	Second	% C (0)	erap Log) SC	(Color, Texture, Structure)							
		<u> </u>	B &		nSi	Geologic Descriptions are Based on the USCS.							
- 0 -	-		Н										
	ND												
			Ч			GRAVEL over light brown, medium SAND, some coarse sand and gravel							
_	_			\bowtie	FILL								
			-	\bowtie		Come as above							
	ND			\bowtie		Same as above							
– 2 -	1		닉	XXXXXX									
						End of exploration at 2 feet below surface grade.							
						·							
_													
- 4 -	1												
_	4 1												
- 6 -	1												
_	 												
_													
– 8 -	╣												
_	4												
4.5													
- 10 -	╢												
	11 1	1		i l	u l	.I							



Soil Boring NBPAH-SB09 Page: 1 of 1

Р	roject _	COMMENTS									
L	ocation	ND = Not detected									
	urface E	Samples collected (SS-09 and									
							NA NA				SB-09A) were sent to the
							'				laboratory for analysis.
				_							
Casing: Dia NA Length NA Type NA											
F	Fill Material Native Rig/Core Air Knife/Vac/Hand Auger Drill Co. NHB Method Air Knife/Vac/Hand Auger										
D	riller _G	Gregg/Sh	awn	Log B	_{By} <u>Be</u>	n Sh	ort D	ate <u>10/29/09</u>	_ Permit	# <u>NA</u>	
С	hecked I	Ву				_ L	icense No				
Γ						, i					
	£_		Sample ID % Recovery	Blow Count Recovery	pi F	Class.			Desc	ription	
	Depth (ft.)	PID (ppm)	Seco	> 8 > 8	Graphic Log	တ		(C	Color, Texti	ure, Structure)	
	_		SSI %		0	nscs				are Based on the U	SCS.
⊢				$-\parallel$					-		
ŀ	- 0 —	1									
		ND			XXX						
					XXX		GRAVEL ove	er light brown, c	oarse SA	ND and GRAVI	EL, trace asphalt
L	_				$\times\!\!\times\!\!\times$	FILL	fragments				
					XXX						
				$A \otimes$	XXX		Liabt braves	como CAND o		/ - 1	
		ND			\ggg		Light brown,	coarse SAND a	iliu GRAV	EL	
F	- 2 -	1		HX.	××××						
							End of explo	ration at 2 feet b	oelow surf	face grade.	
							·			· ·	
L	_										
┝	- 4 —	1									
_	_										
17											
7											
GDT											
F.	- 6 —	1									
2											
<u> </u>											
S.GF	_										
Log											
R	_										
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10	- 8 –										
6/1;											
Rev:											
4	_										
RCI,											
MME											
8											
<u></u> }-	- 10 —										
க்ட											



NBPAH-SB10
Page: 1 of 1 Soil Boring

L S S C F	ocation	310 Ch ev. NA sing NA ia NA a NA ial Natio NHB regg/Sh	estnut Hill A A ve	Total War Len Len Log	d, New B al Hole D ter Level agth Na agth Na agth M B B B B B B B B B B B B B B B B B B B	Depth Initia A A ethod	Owner USAF , New Hampshire Proj. No. 136382 2.0 ft. North	COMMENTS ND = Not detected Samples collected (SS-10 and SB-10A) were sent to the laboratory for analysis.
	Depth (ft.)	OIA (mdd)	Sample ID % Recovery	Blow Count Recovery		USCS Class.	Description (Color, Texture, Structure) Geologic Descriptions are Based on the U	JSCS.
-	- 0 -	ND ND				FILL	Hand cleared to 5' Light brown, coarse SAND, trace fine sand, gravel as Light brown, moist, loose, medium SAND, trace gravely	
_	- 2 -						End of exploration at 2 feet below surface grade.	
SGDT 1/11/10	- 4 -							
02 DRILL_LOGS.GPJ IT_CORF	- 6 -							
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10	- 10 —							



NBPAH-SB11
Page: 1 of 1 Soil Boring

ı	Project	COMMENTS						
	•	ND = Not detected						
								Samples collected (SS-11 and
							NA Static NA Diameter	SB-11A) were sent to the
							Type/Size NA	laboratory for analysis.
					-		Type NA	
							Rig/Core _Air Knife/Vac/Hand Auger	
							Air Knife/Vac/Hand Auger	
							ort Date 10/29/09 Permit # _NA	
,	эпеске	а ву					icense No	
			چات	έ×		SS.	Description	
	Depth (ft.)	PID (mdd)		Cou	Graphic Log	Cla	Description	
	De T		Sample ID % Recovery	Blow Count Recovery	G Z	USCS Class.	(Color, Texture, Structure)	
			0/1%	a -) š	Geologic Descriptions are Based on the U	JSCS.
ı								
	^							
Ī	- 0	ND ND			\bowtie		Hand cleared to 5'	
				Ц				
							Light brown, medium SAND, some loose gravel, trac	e fine sand
ŀ	-	\exists			\bowtie	FILL		
		ND ND					Light brown, medium SAND, some fine sand, some	gravel, trace large
L	- 2				\bowtie		cobbles	
	_						End of exploration at 2 feet heless surface grade	
							End of exploration at 2 feet below surface grade.	
ŀ	-	-						
ļ	- 4							
	-							
된	-	1						
17								
占								
P.G	- 6	_						
8	-							
="								
GPJ								
SGS.	-	1						
7								
NR.								
20	- 8	_						
9/12/								
ev:								
Ž								
ĭ Z	_	1						
MER								
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10								
š.	- 10	_						
냜								



Soil Boring NBPAH-SB

Page: 1 of 1

								- rage. r or r
							Owner USAF n, New Hampshire Proj. No. 136382	COMMENTS
		ND = Not detected						
								Samples collected (SS-12 and SB-12A) were sent to the
		-					Static NA Diameter	laboratory for analysis.
					-		Type/Size	
							Type NA Air Knife Was / Hand Auger	
FI	III Materia	al <u>Ivalii</u> NHR	VC			41	Rig/Core <u>Air Knife/Vac/Hand Auger</u> Air Knife/Vac/Hand Auger	
							ort Date 10/29/09 Permit # NA	
				_			icense No.	
	Depth (ft.)	PID (mdd)		Blow Count Recovery		USCS Class.	Description (Color, Texture, Structure) Geologic Descriptions are Based on the U	JSCS.
	- 0 —							
	O	ND					Hand cleared to 5'	
							Dark brown, dry, loose, medium SAND, grace grave	l and cobbles
L	_					FILL		
		ND		П			Dark brown, dry, loose, coarse SAND and GRAVEL	, some cobbles, trace
L	- 2 —	ND		Ц			asphalt	·
	_						End of exploration at 2 feet below surface grade.	
							End of exploration at 2 feet below surface grade.	
L	_							
	- 4 —							
	•							
	_							
11/10								
7								
P.GD	- 6 —							
SOR	J							
=								
S.GP.	_							
LOG								
H.								
22 D	- 8 —							
6/12/0	Ū							
Sev:								
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10	_							
ERCI								
OMN.								
<u> </u>	- 10 —							
SFA	. •							



Soil Boring NBPAH-SB13

Page: 1 of 1

Liceation 310 Chestnut Hill Road, New Boston, New Hampshire Proj. No. 136382 Surptice Elev. MA Total Hole Depth 2.0 ft. North East Surptice Soldcord (SS-13 and Total Order) North Total Hole Depth North State: No. Diameter Surptice Soldcord (SS-13 and Total Hole Depth North Nort	Project _	roject New Boston Air Force Station Owner USAF COMMENTS										
Surface Elev. NA Total Holo Depth 2.0 ft. North	•						ND = Not detected					
Top of Cosing MA Water Level initial MA Static MA Diameter Screen Dia MA Length MA Type NA Type NA Type NA Type NA NA NA NA NA NA NA NA NA NA NA NA NA						•						
Screen is MA Length NA Type NA Type NA Length NA Length NA Length NA Type NA T							SB-13A) were sent to the					
Casing: Dia MA Valive Rigicore Air Knife/VacArand Auger Profile Co. NHB Method Air Knife/VacArand Auger Diate 10/29/09 Permit # NA Log by Ben Short Date 10/29/09 Permit # NA Diate 10/		-					laboratory for analysis.					
Fill Material Mative Rigicore Air Knifet/vac/Hand Auger Method Air Knifet/vac/Hand Auger												
Description Crocked By Light brown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments Dark brown, moist, loose, medium SAND and GRAVEL End of exploration at 2 feet below surface grade.												
Description License No. Description Color, Texture, Structure) Geologic Descriptions are Based on the USCS. Dark brown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments Dark brown, moist, loose, medium SAND and GRAVEL End of exploration at 2 feet below surface grade. 4												
Checked By License No. Description (Color. Texture, Structure) Geologic Descriptions are Based on the USCS. Color. Texture, Structure) Color. Texture, Structure, Structure) Color. Texture, Structure, Structure) Color. Texture, Structure, Struc						· ·						
Description (Color, Texture, Structure) Geologic Descriptions are Based on the USCS. O ND SP Dark brown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments												
Color, Texture, Structure) Geologic Descriptions are Based on the USCS. O - ND												
Color, Texture, Structure) Geologic Descriptions are Based on the USCS. O - ND	_		ant end	<u>.</u>	ass.	Description						
Light brown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments Dark brown, moist, loose, medium SAND and GRAVEL Dark brown, moist, loose, medium SAND and GRAVEL End of exploration at 2 feet below surface grade. Sep	ept (f.)	Old (mdc	ocov Co	aphi	S							
Light brown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments Dark brown, moist, loose, medium SAND and GRAVEL Dark brown, moist, loose, medium SAND and GRAVEL End of exploration at 2 feet below surface grade. Sep		- 5	Sar % R	<u> </u>)SC		ISCS					
Light prown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments Light prown, dry, loose, medium SAND and GRAVEL SP GP Light prown, moist, loose, medium SAND and GRAVEL End of exploration at 2 feet below surface grade. End of exploration at 2 feet below surface grade.						Geologic Descriptions are based on the C						
Light prown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments Light prown, dry, loose, medium SAND and GRAVEL SP GP Light prown, moist, loose, medium SAND and GRAVEL End of exploration at 2 feet below surface grade. End of exploration at 2 feet below surface grade.												
Light prown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments Light prown, dry, loose, medium SAND and GRAVEL SP GP Light prown, moist, loose, medium SAND and GRAVEL End of exploration at 2 feet below surface grade. End of exploration at 2 feet below surface grade.												
Light prown, dry, loose, medium SAND and GRAVEL, trace asphalt fragments Light prown, dry, loose, medium SAND and GRAVEL SP GP Light prown, moist, loose, medium SAND and GRAVEL End of exploration at 2 feet below surface grade. End of exploration at 2 feet below surface grade.												
ND ND ND ND ND ND ND ND ND ND	├ 0 -		Г		SD	Light brown, dry, loose, medium SAND and GRAVEL	trace asphalt					
- 2 - NU		ND		. ^ 0			-,					
- 2 - NU			_									
- 2 - NU	-											
- 2 - NU												
- 2 - NU			Г		SP	Dark brown, moist, loose, medium SAND and GRAV	EL					
End of exploration at 2 feet below surface grade. End of exploration at 2 feet below surface grade. Find of exploration at 2 feet below surface grade.		ND		. 00		, , ,						
- 4	-					Fold of a standing of Control of						
						End of exploration at 2 feet below surface grade.						
	-											
	├ 4 −	1 1										
	b											
	-	1										
	 8 −											
_ 10 -												
_ 10 -												
_ 10 -												
- 10 -												
	10 -											



Soil Boring NBPAH-SB14
Page: 1 of 1

	Project <u>/</u>	Vew Bos	COMMENTS								
	Location .	310 Ch	_ ND = Not detected								
	Surface El	Samples collected (SS-14 and									
Top of Casing NA Water Level Initial NA Static NA Diameter Screen: Dia NA Length NA Type/Size NA											
	Casing: Di										
							Rig/Core				
							Rig/Core Air Knife/Vac/H		ana nago	,	-
			-								
				_	•		ort [_
	Checked E	Ву				L	icense No				_
			>	ţ		S.			_		•
	₽ _	O E	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.			Desc	cription	
	Depth (ft.)	PID (ppm)	Secondary (S (0	3rap Log) SC		(0	Color, Text	ture, Structure)	
				육호		nSí				are Based on the	
	- o -			Н	, O. (-	Dark brown	moiet loose m	adium S/	AND and CD/	AVEL, trace asphalt
		ND			0 0	SP GP	fragments	moist, ioose, m	ediuiii SA	AND and GRA	AVEL, trace aspirati
				Н	.0.7.[3		aga				
	- 1										
		ND				SP	Light brown,	moist, loose, fir	ne SAND	, trace gravel	
	- 2 -			Ц							
							End of explo	ration at 2 feet	halow eur	rface grade	
							End of expid	ialion at 2 leet	below Sul	nace grade.	
	- 1										
	_ 4 -										
	·										
10	- 1										
1/11/											
ř											
P.GE	- 6 -										
SOR	١										
=											
Ή											
3S.G											
ŏ											
RIL											
2	- 8 -										
12/02	0 7										
.' 6/											
Rev											
ΊΑL											
ERC											
MMC											
გ_	10										
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10	- 10 -										
~/											



NBPAH-SB15
Page: 1 of 1 Soil Boring

	Project	COMMENTS										
		ND = Not detected										
							n, New Hampshire Proj. No136382	Samples collected (SS-15 and				
							NA Static NA Diameter	SB-15A) were sent to the				
		_					Type/Size _NA	laboratory for analysis.				
					-	Type NA						
							Rig/Core _Air Knife/Vac/Hand Auger					
							Air Knife/Vac/Hand Auger					
							ort Date 10/29/09 Permit # NA					
				_								
	Checked	a By				L	icense No					
				ŧ 、		l si	Description					
	Depth (ft.)	PID (mdd)		Cou	phic	Clas	Description					
	De (f	E g	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	(Color, Texture, Structure)					
			W %	- 8 -		JSCS.						
	— O	ND			Dark brown, moist, loose, medium SAND and GRAVEL, trace fine trace asphalt fragments							
	- 2	- ND				SP	Light brown, moist, loose, fine SAND, trace gravel					
	- 4	-					End of exploration at 2 feet below surface grade.					
P.GDT 1/11/10	- 6	_										
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10	- 8											
SHAW_COMMERCIAL Rev:	- - 10	-										



Monitoring Well

SIS18/MW3/SB2
Page: 1 of 1

							wner <u>USAF</u>	COMMENTS
Lo	cation	310 Chest	ND = Not detected					
	urface E							
To	p of Ca	Cleared to 5' with air knife on						
Sc	creen: D	10/26/2009. Well installed on						
	asing: D	11/16/2009.						
	II Materia							
		NHB						
							Date11/16/09 Permit #NA	
				• •				
		-, <u> </u>		Т	П	U 1		
		ion		Sample ID % Recovery Blow Count	ی ا <u>خ</u>	ass.	Description	
	Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery Blow Count	Graphic Log	USCS Class.	·	
		Con		San % Re Blov	<u>6</u> 6	SC	(Color, Texture, Struct Geologic Descriptions are Based of	
				6, –		ا ر	Geologic Descriptions are Based (on the USCS.
F	0 —				××××			
							Dark brown, medium SAND, some roots a	and organic material,
╌	_						trace large cobbles and boulders	
							BOULDERS and GRAVEL	
\vdash	10 —							
┢	∇						Coppled soil at 16' bgs	
	00						Cobbled soil at 16' bgs Possible rock, wet	
	20 —				V//XX		Competent BEDROCK at 21' bgs	
							Gompetent BEBROOK at 21 bgs	
Γ								
L	30 —							
	50						Fracture at 31' to 34' bgs (minimal water p	production)
-	_							
┝	40 —						Fracture at 38' to 39' bgs (minimal water p	•
							Fracture at 41' to 42' bgs (minimal water p	production)
-	_	30,000						
/11/1								
	50 —							
P.G								
잃	_							
=	00							
GPJ	60 —							
SGS.	▼						Fracture at 62' to 68' bgs (producing wate	r)
기								
	70 —							
702	70				K///X/		End of exploration at 71 feet below surface	e grade.
6/12/	_						The state of the s	- U·
 Se								
الِّـ	80 —							
RCI/								
MME	_							
8								
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/1/1/10	90 —							
യ			1		11		<u> </u>	



Monitoring Well

SIS18/MW5/SB4 Page: 1 of 1

Location Surface E Top of Ca Screen: E Casing: E Fill Materi Drill Co. Driller C Checked	Project New Boston Air Force Station Owner USAF Location 310 Chestnut Hill Road, New Boston, New Hampshire Surface Elev. NA Total Hole Depth 30.5 ft. North East Top of Casing NA Water Level Initial NA Static North Diameter 4 in. Screen: Dia 2 in. Length 10 ft. Type/Size PVC/0.010 in. Casing: Dia 2 in. Length 21 ft. Fill Material Native, Sand, Bentonite, Grout Rig/Core F15 Drill Co. NHB Method Air Knife/Vac/Drive&Wash/Air Hammer Driller Gregg/Shawn Log By Ben Short Date 11/17/09 Permit # NA Checked By License No. Description (Color, Texture, Structure, Geologic Descriptions are Based on Structure) Geologic Descriptions are Based on Structure.										
Depth (ft.)	Well	PID (ppm)	Sample ID % Recovery Blow Count	Recovery Graphic Log	uscs c	(Color, Texture, Structi					
			57% B		ğ	Geologic Descriptions are Based o	n the USCS.				
- 0 -											
		ND				Hand cleared to 5' Light brown, medium, SAND and GRAVEI	_				
<u> </u>		ND			FILL	SAND/COBBLES, clay pipe fragments					
- 5 -		ND									
<u>_</u>		ND ND		×	GP/	Light brown, moist, medium dense, mediu large cobbles in spoon, (collected SB-4C to	or analysis)				
- 10 -			100%		SP/	Light brown, medium dense, medium SAI some gravel	ND and COBBLES,				
- 15 -	-					REDROCK at 15' has					
						BEDROCK at 15' bgs					
_ 20 -											
SHAW_COMMERCIAL_Rev: 6/12/02 DRILL_LOGS.GPJ_IT_CORP.GDT_1/1/1/10						Fracture at 20' bgs (producing large amou	nt of water)				
DRP.GDT											
- OGS.GF											
30 -						End of exploration at 20 5 feet heless surfa	aco grado				
3/12/02						End of exploration at 30.5 feet below surfa	ice grade.				
∞ - 35 -											
ERCIAL											
COMME											
₩H 40 -	1										



Soil Boring **SIS18-SB11**Page: 1 of 1

ı	Project _	New Bos	ston Air F	orce S	Station		Owner USAF COMMENTS					
ı	_ocation	310 Ch	estnut Hil	II Road	d, New B	ostor	, New Hampshire Proj. No136382 ND = Not detected					
							I NA Statio NA Diameter (SIS18-SB11A) was sent to					
							Type/Size NA laboratory for analysis.					
							Type					
							Rig/Core Hand Auger					
							Hand Auger					
							ort Date 10/28/09 Permit # NA					
							icense No					
,	Jileckeu	Бу				_	icerise No.					
			의중	ţ,		ISS.	Description					
	Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	·					
	ے ق	ll g	Sam 6 Re	3low Rec	ß d	SCS	(Color, Texture, Structure)					
			, , , , , , , , , , , , , , , , , , ,			_	Geologic Descriptions are Based on the USCS.					
ļ	- 0 -	4					Grass & Leaves					
	·						Hand cleared to 5'					
							Trand dealed to 3					
		l ND										
		ND			\bowtie		Light brown, loose SAND and medium GRAVEL					
ŀ	– 2 –	1 1		H								
					\bowtie	FILL	Light brown, medium SAND, some cobbles					
ŀ		ND										
	4				\bowtie							
Ī	– 4 –	1 1		٦								
9		1										
1/1												
Ė							End of exploration at 5 feet below surface grade.					
P.G	- 6 -	4										
8	Ū											
=												
.GPJ												
Ses.		1										
DRIL												
, 02	- 8 -	1										
6/12												
Rev:												
7												
ERCI,												
MME												
2	40											
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10	– 10 –											
~,												



Soil Boring **SIS18-SB04** Page: 1 of 1

Location Surface E Top of Ca Screen: D Casing: D Fill Materia Drill Co. Driller	sing NA ia N	estnut Hi	ill Road Tota Wa Len Len Log	al Hole I ter Level geth No. No. No. No. No. No. No. No. No. No.	Bostor Depth I Initia A A Jethod	Owner USAF COMMENTS n, New Hampshire Proj. No136382 ND = Not detected 5.0 ft. North
Depth (ft.)	(mdd)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic Descriptions are Based on the USCS.
- 0 -						Grass & Leaves
- 2 - - 4 -	ND ND				FILL	Hand cleared to 5' Light brown, medium SAND and GRAVEL, trace boulders Light brown, medium SAND, trace loose gravel
DRILL_LOGS,GPJ IT_CORP.GDT 1/1/1/10 9 1						End of exploration at 5 feet below surface grade.
Rev: 6/12/02						
SHAW_COMMERCIAL 1 0 1						



Soil Boring **SIS5-SS01** Page: 1 of 1

F	Project .	New Bos	ston Air Force	e Statio	n		Owner USAF COMMENTS					
	•						, New Hampshire Proj. No. 136382 ND = Not detected					
							NA Static NA Diameter					
		-										
				_			Type/Size NA					
							Type					
							Rig/Core Hand Auger					
							Hand Auger					
	Driller _	Gregg/Sh	awn	Log By	Ben	Sho	ort Date10/28/09 Permit #NA					
C	Checked	Ву				_ L	cense No					
Γ						,i						
	£ _	1 2 6	Sample ID % Recovery Blow Count	Recovery	_	USCS Class.	Description					
	Depth (ft.)	PID (mdd)	W C	Recovery Graphic	9 9	SS	(Color, Texture, Structure)					
	_		Sa Sa Si) NSC	Geologic Descriptions are Based on the USCS.						
╌												
ŀ	- 0 -	4		XXX			Lland alapsed to El					
							Hand cleared to 5'					
				\sqcap			Light brown, medium SAND and coarse SAND, some loose gravel					
							Light brown, modium of the direction of the footo grave.					
ı	-	1										
		ND										
							Same as above					
ŀ	- 2 -	-		$H \otimes \otimes$								
					∭ F	FILL	Same as above					
							came de above					
ı	-	1										
		ND ND										
-	- 4 -	_										
							Large boulder at 5'					
9	-	1			\sim							
SHAW_COMMERCIAL Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT 1/11/10												
F)							End of exploration at 5 feet below surface grade.					
8.G	- 6 -	_										
8	-											
="												
GPJ												
JGS.	-	1										
7												
띪												
2	- 8 -	-										
3/12/(-											
Ä.												
ఠ	-	1										
MER												
ΜÖ												
>	- 10 -	.										
SHA												



SIS8/MW-1 Page: 1 of 1 Monitoring Well

			ce Station				COMMENTS						
Location .	310 Chest	ND = Not detected											
Surface El	lev. NA	bgs = Below ground surface											
	Surface Elev. NA Total Hole Depth 101.0 ft. North East Top of Casing NA Water Level Initial NA Static 32.0 ft. Diameter 4 in. Screen: Dia 2 in. Length 20 ft. Type/Size PVC/0.010 in.												
	Screen: Dia 2 in. Length 20 ft. Type/Size PVC/0.010 in.												
	Casing: Dia 2 in. Length 81 ft. Type PVC												
	al <i>Native,</i>												
	NHB												
						Date							
			0 ,										
	<u>, </u>		ı	II									
	ion		Sample ID % Recovery Blow Count Recovery	ي	USCS Class.	Description							
Depth (ft.)	Well Completion	PID (ppm)	nple ecov	Graphic Log	S CI	(Color, Texture, Struct	uro)						
	Con)	Sar % R Blov	Ū		Geologic Descriptions are Based of							
						Coologie Booshpaone are Bacca (
						Grass & Large Cobbles							
├ 0 -						Clear to 5' with air knife							
		ND			FILL	Dark brown, medium SAND and GRAVEL	(organics)						
				∥ \ /		Dark brown, medium SAND and GRAVEL	-, (Organics)						
 10 −				$\ \setminus / \ $									
-				$\ \setminus /$									
_ 20 _				Y									
_ 20 _				$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$									
-				\parallel / \setminus									
- 30 →				/ \		D							
<u>∓</u>				\ <u>\</u>		Running sands to 33' Bedrock encountered at 34' bgs							
- 40 -						Fracture at 38' bgs (not water bearing)							
 50 −						Fracture at 51' bgs (not water bearing)							
						Tracture at 31 bgs (not water bearing)							
60													
<u>_</u> 60 –													
1/11/10						Fracture at 63' bgs (not water bearing)							
□ 70 -													
JRP.													
² − 80 −						Fracture at 80' bgs (some water)							
SS.GI						Fracture at 80' bgs (some water)							
						2 2121 2 212 22 232 (000 113101)							
∦ 90 −													
12/0						Fracture at 96' bgs (producing large amou	unt of water)						
5 - 100 -				K///X/									
- L						End of exploration at 101 feet below surfa	ce grade.						
팅 - 110 -													
MER . 10					$\ \ \ $								
SHAW_COMMERCIAL_Rev: 6/12/02 DRILL_LOGS.GPJ IT_CORP.GDT													
≩ 120 -					$\ \ \ $								



Monitoring Well SS08/MW-3
Page: 1 of 1

Location _ Surface Elec Top of Cas Screen: Dia Casing: Dia Fill Materia Drill Co	310 Chesti ev. NA ing NA 2 in. 2 in. Native,	nut Hill	Road, New Interpretate Total Hole Water Leve Length 1 Length 2 Bentonite, Gi	Depth Initial 5 ft. Cout	New H 41.41	Owner
Checked B	Well Completion	(mdd)			2 p	Description (Color, Texture, Structure) Geologic Descriptions are Based on the USCS.
- 0 - 5 10 15 \(\frac{1}{2} \) - 20 - 30 \(\frac{1}{2} \) - 35 - 35 - 35 - 35 - 35 - 35 - 35 - 3	ND ND ND ND ND ND ND ND ND ND ND ND ND					Sod Clear to 5' with air knife Highly weaterhed rock encountered at 9' Evidence of water at 12' bgs Fracture at 14' bgs Highly weatered ROCK (Continued air hammer) Competent ROCK Fracture at 18.5' bgs, (water bearing, low yield) Fracture at 34.5' - 35' bgs (water bearing, low yield) Continued air hammering to 41.4' bgs (producing enough water to
SHAW_COMMERCIAL_Rev: 6/12/02 DRIL						End of exploration at 41.4 feet below surface grade.



Monitoring Well SS08/MW-4

Page: 1 of 1

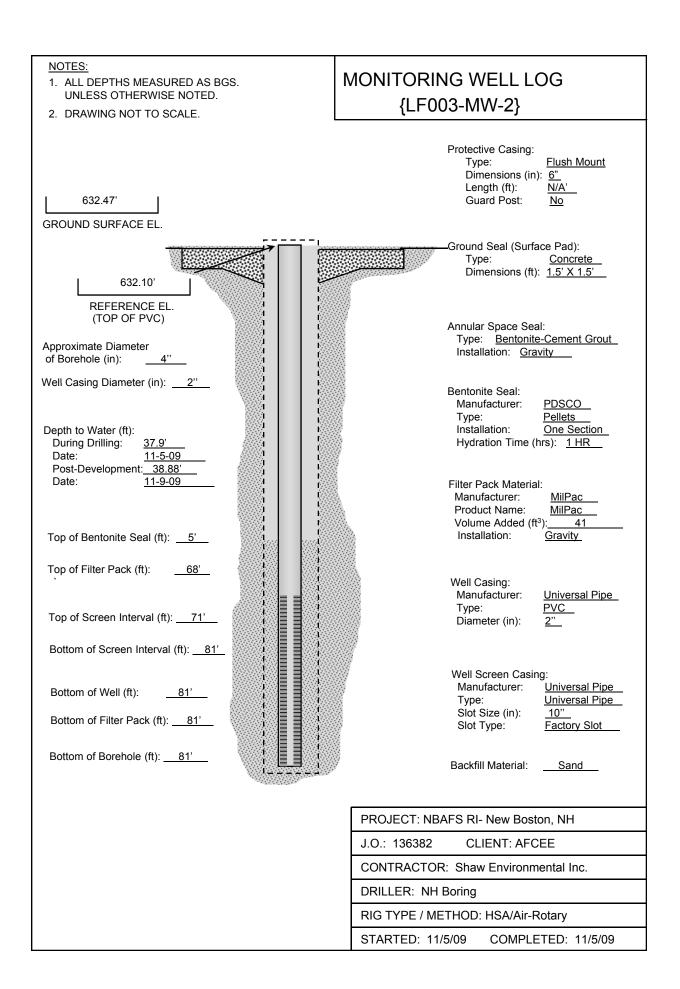
Project _/	Project New Boston Air Force Station Owner USAF Location 310 Chestnut Hill Road, New Boston, New Hampshire Proj. No. 136382 ND = Not detected													
Location .	Location 310 Chestnut Hill Road, New Boston, New Hampshire Proj. No. 136382													
	Surface Elev. NA Total Hole Depth 102.0 ft. North East													
	Top of Casing NA Water Level Initial NA Static NA Diameter 4 in. Screen: Dia 2 in. Length 20 ft. Type/Size PVC/0.010 in.													
	Cleared to 5' with air knife on 10/26/2009. Well installed on													
	Casing: Dia Length Length S2 ft Type Type PVC													
	Fill Material Native, Sand, Bentonite, Grout Rig/Core F15													
	Drill Co. NHB Method Air Knife/Vac/Drive&Wash/Air Hammer													
	Driller Gregg/Shawn Log By Ben Short Date 11/11/09 Permit # NA													
	Checked By License No													
	uo		or it o	0	ass.	Description								
Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery Blow Count Recovery	Graphic Log	USCS Class.									
ا ق	> mo	д <u>ф</u>	Sam 6 Re 3low Rec	Gr.	SCS	(Color, Texture, Structure)								
			, п)	Geologic Descriptions are Based on the USCS.								
L 0 -														
				$\sim\sim$		Clear to 5' with air knife								
						Large cobbles, ashpalt fill BOULDER at 5.5' bgs								
- 10 -						BOOLDER at 0.0 bgs								
				XÝ/XX		BOULDER at 11.5' bgs								
_ 20 _						Weathered ROCK								
20														
				<i>**</i>		Weathered ROCK								
						Competent ROCK at 28'								
 30 −						(Air hammer to 35' bgs)								
						Dry, very competent ROCK								
40						Fractures at 35' - 45' (no water)								
 40 −														
						Multiple fractioned at 451 501 (no supton)								
						Multiple fractures at 45' - 50' (no water)								
├ 50 ├														
						Fracture at 52' bgs (water bearing, very low	w yield)							
11/10						(Continued with air towns on)								
₹ 60 						(Continued with air hammer) Very competent ROCK, no fractures noted								
00						10. j compotent to ort, no madared noted								
ORP														
일 70														
2														
98.G														
DRILL LOGS.GPJ II CORP.GDT 1/1/10														
90 -														
/9 .:														
å														
등 100 -						Fracture at 98' - 99' bgs (water bearing, hig	gh yield)							
MER				77.		End of exploration at 102 feet below surface	ne arade							
COMMERCIAL Rev. 6/12/02 00 00 00 00 00 00 00						End of exploration at 102 leet below Sulfat	o grade.							
§ - 110 -														
MH 110 —														

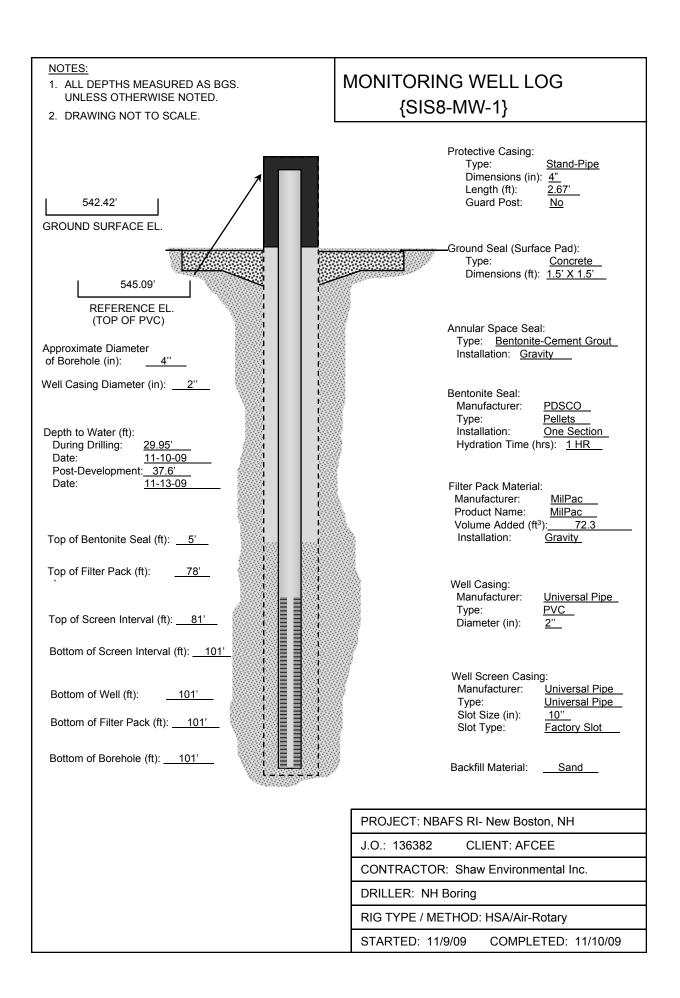


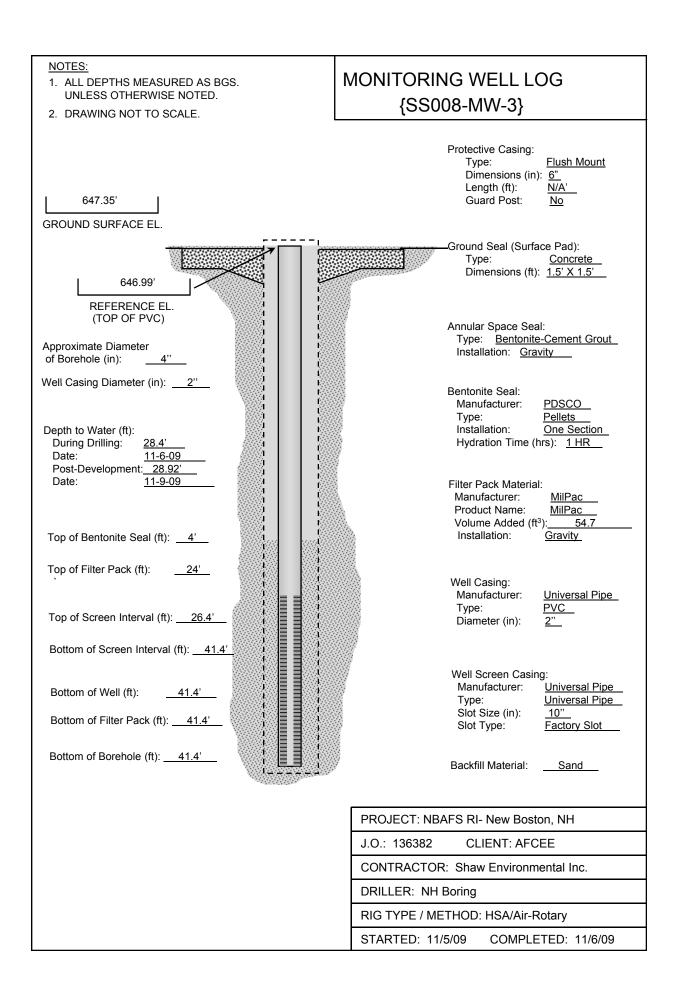
Monitoring Well SS09/N

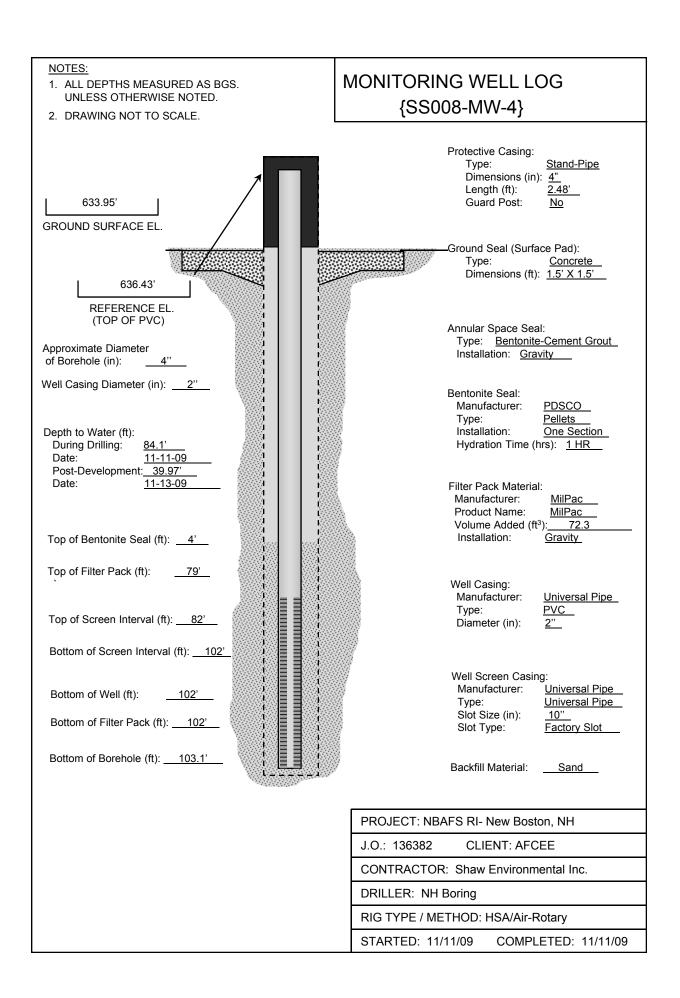
Page: 1 of 1

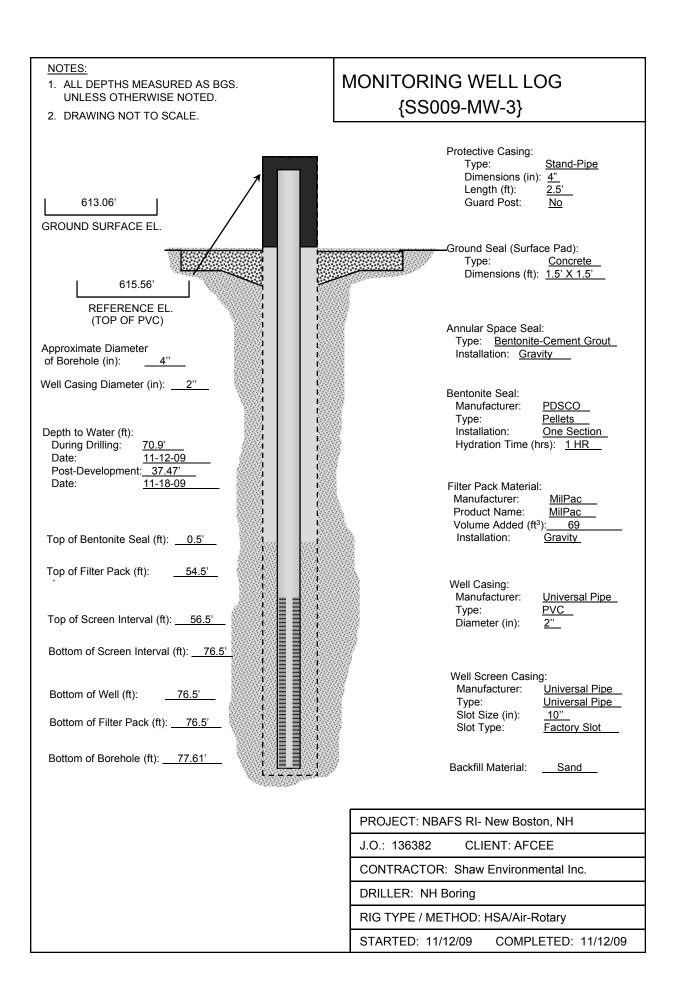
Location 310 Chestnut Hill Surface Elev. NA Top of Casing NA Screen: Dia 2 in.	Road, New Boston, New Total Hole Depth 26 Water Level Initial 20 ft.	v Hampshir .5 ft. 70.9 ft.	USAF e Proj. No. 136382 . North East . Static Diameter4 in. . Type/Size PVC/0.010 in.	COMMENTS ND = Not detected bgs = Below ground surface Cleared to 5' with air knife on 10/26/2009. Well installed on 11/12/2009.
Fill Material <u>Native, Sand,</u> Drill Co. <u>NHB</u>	<i>Bentonite, Grout</i> Method	Rig/Cor <i>Knife/Vac/</i>	Drive&Wash/Air Hammer	4" steel casing remained in boring at 1.5' - 41.5' bgs, (could not be removed).
Driller _Gregg/Shawn Checked By				
Depth (ft.) (ft.) Well Completion PID (ppm)	Sample ID % Recovery Blow Count Recovery Graphic Log	USCS Class.	Description (Color, Texture, Structu Geologic Descriptions are Based or	,
10 -				
- 20 - 			COBBLES and BOULDER at 19' bgs Overburden water at 20' - 24' bgs	
- 30 - 			GRAVEL at 27' - 28' bgs Park grey, SAND (in cuttings)	
0 - 40			Possible BEDROCK at 41' bgs Competent BEDROCK at 41.5' bgs	
- 50 - 50 - 60 - 60 - 70 \rightarrow -			racture at 52' bgs (not water bearing) racture at 54' bgs (not water bearing)	
			racture at 62' bgs (bearing some water) racture at 65' bgs (bearing trace of water))
70 □ 80 80 80 80 80 80 80 80 80 80 80 80 80		(1	racture at 68' to 69' bgs (bearing trace of Not enough water to set well) racture at 73' to 75' bgs (water bearing, g	·
SHAW COMMERCIAL Rev. 6/12/02			End of exploration at 76.5 feet below surfa Vell set at 76.5 feet below surface grade.	ce grade.
мо — 90 —				

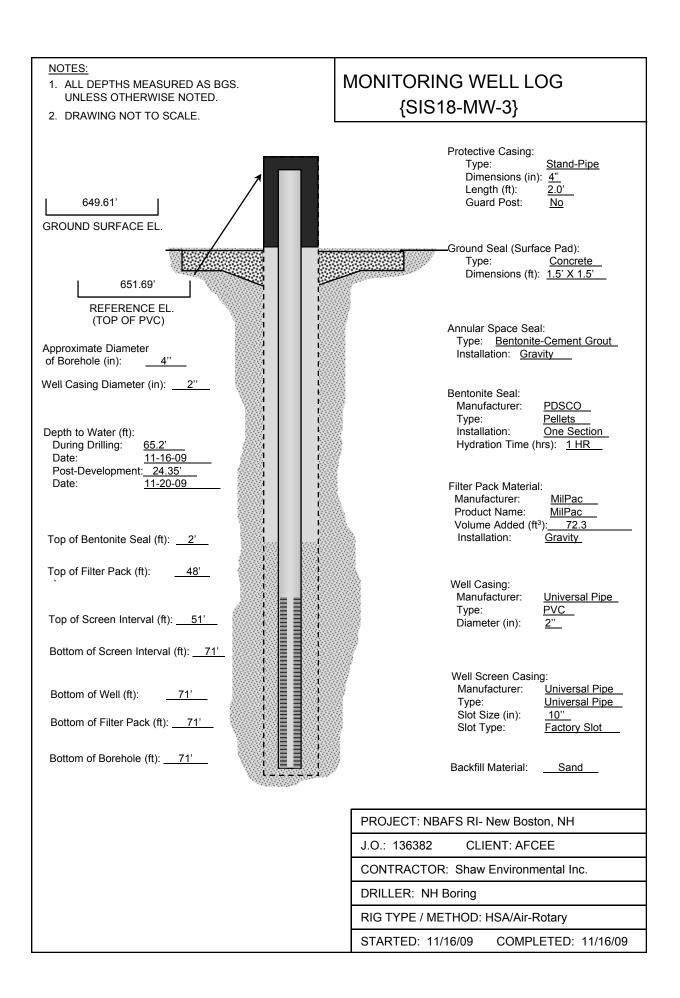












NOTES: MONITORING WELL LOG 1. ALL DEPTHS MEASURED AS BGS. UNLESS OTHERWISE NOTED. {SIS18-MW-4} 2. DRAWING NOT TO SCALE. Protective Casing: Type: Flush Mount Dimensions (in): 6" Length (ft): N/A' 652.73' **Guard Post:** <u>No</u> GROUND SURFACE EL Ground Seal (Surface Pad): Type: Concrete Dimensions (ft): 1.5' X 1.5' 652.39 REFERENCE EL. (TOP OF PVC) Annular Space Seal: Type: Bentonite-Cement Grout Approximate Diameter Installation: Gravity of Borehole (in): Well Casing Diameter (in): _ Bentonite Seal: Manufacturer: PDSCO Type: Pellets Depth to Water (ft): Installation: One Section **During Drilling:** Hydration Time (hrs): 1 HR Date: 11-19-09 Post-Development:_ 8.59' Date: 11-23-09 Filter Pack Material: Manufacturer: MilPac Product Name: MilPac Volume Added (ft3):_ 37.7 Installation: Gravity Top of Bentonite Seal (ft): 2' Top of Filter Pack (ft): Well Casing: Manufacturer: Universal Pipe Type: PVC Top of Screen Interval (ft): 21' Diameter (in): Bottom of Screen Interval (ft): 31' Well Screen Casing: Manufacturer: Universal Pipe Bottom of Well (ft): 31' Type: Universal Pipe <u>10"</u> Slot Size (in): Bottom of Filter Pack (ft): 31' Slot Type: Factory Slot Bottom of Borehole (ft): 31' Backfill Material: Sand PROJECT: NBAFS RI- New Boston, NH J.O.: 136382 CLIENT: AFCEE CONTRACTOR: Shaw Environmental Inc. DRILLER: NH Boring RIG TYPE / METHOD: HSA/Air-Rotary STARTED: 11/17/09 COMPLETED: 11/19/09

