			for Bo	ring #		ERM Boston, M	on Street, 6th Floor A 02116	SITE MA	AP	↑ N
Project		Raytheon - W	/ayland		Project Number:	143.78			B-4	
Client:		Raytheon			Logged by:	Michael Horesh			$\searrow \oplus$	$\langle \langle \rangle$
Drilling	g Co:	Geosearch, In	nc.		Driller:	Chris			\sim	
Date S	tarted:	23-Nov-02			Date Finished:	23-Nov-02			⊕ mw	'-43S
Locatio	on:	Wayland, Ma	issachusetts		Drilling Method:	Geoprobe			$\oplus \oplus$	\oplus
Screen	Diam:	N/A		Length:	N/A	Slot Size:	N/A		$ \bigoplus_{B-1} \bigoplus_{B-2} $	B-3
Casing	Diam:	N/A		Length:	N/A	Туре:	N/A			
-	Depth:	28'		Well Dep	th: N/A	Boring Diam.:	3"			
Surface	e Elev.:	NA		MP:	N/A	Depth to GW:	~14'	Notes:		
Burrace		1171		MP Elev.			11	110005.		
				wir Elev.	. IN/A					
Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoo	n Description/Soil Cla	assification	Sample # & Depth	HS Conc. (ppm)	Lab Sample # & Analyses
	N/A									
- 0 -					—					
- 2 -					-					
- 4 -										
- 6 -					-					
8										
10						sorted fine SAND, rema				
- 10 -		SAND	N/A	38"	· ·	Sand, some Gravel, son	ne fine Sand interbeds	8'-12'	0.0	NS -
- 12 -					(~2"), trace Cobbles		~ ~			
		G () (D		4.0.1		brown coarse SAND, th				
- 14 -		SAND	N/A	48"		o orange/brown fine Sar	nd, some Silt, trace	12'-16'	0.0	NS —
- 16 -		-			gray Clay, wet	oarse SAND, poorly sort	ad trace Cobble little			
- 18 -		SAND	N/A	38"		own-gray/brown fine San		16'-20'	0.0	NS -
- 10 -		SAND	\mathbf{N}/\mathbf{A}	30	Clay, trace gray Cla		id, Siit, inthe gray	10-20	0.0	INS -
- 20 -					Top 30" dark purple	e to purple well sorted fin	ne SAND. little Silt.			
- 22 -		SAND	N/A	37"		rated through 31" decrea		20'-24'	0.5	B-1 20'-24'
						rk-medium brown well s				VOCs
- 24 -						dium SAND, well sor				_
26 -		SAND	N/A	NA*	Sand at bottom of		ice, some purple	24'-28'	0.5	NS —
- 28 -										
20					Bottom of Boring	at 28' bgs				
┣ -					***					-
┝ -					* Sample pushed throu determine recovery.	gh casing, unable to remove	e sleeve - could not			
L _					determine recovery.					_
F -					–					-
┝ -					-					
Γ –										
┝ -					_					-
┝ -					_					_
Г Т										
┣ -										-
⊢ –										_
F -										-
┣ -					 					-
L _					L					_
								l		I —

N/A - Not Applicable

NA - Not Available

-				for Bor	ing #:		ERM Boston,	lston Street, 6th Floor MA 02116	SITE MA	AP	↑ N
Project			Raytheon - W	/ayland		Project Number:	143.78			B-4	
Client:			Raytheon			Logged by:	Michael Horesh			$\searrow \oplus$	
Drilling		-	Geosearch, In	nc.		Driller:	Chris			\sim	
Date St			23-Nov-02			Date Finished:	23-Nov-02				V-43S
Locatio			Wayland, Ma	issachusetts	Lanath	Drilling Method:	Geoprobe	NI/A	B-1		\oplus
Screen Casing			N/A N/A		Length: Length:	N/A N/A	Slot Size:	N/A N/A		B-2	B-3
-	Depth:		30'		Well Dep		Type: Boring Diam.:	3"			
	e Elev.:		NA		MP:	N/A	Depth to GW:	~12'	Notes:		
Burrace					MP Elev		Departo O III	12	11000001		
Depth	Well I	.og	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoo	on Description/Soil	Classification	Sample # & Depth	HS Conc. (ppm)	Lab Sample # & Analyses
	N/A	A									
- 0 -		Î.				-					
1						-					
2						_					-
											_
- 3 -											-
											-
_ 5 _						_					
- 6 -						_					
7						_					-
- 8 -											_
9						—					-
10						-					
11						-					-
- 12 -											
- 13 - - 14 -		-	SAND	N/A	13"		k tan, well sorted, n ottom 6" brown med	nedium SAND, little lium Sand & Silt	12'-14'	2.0	NS -
- 15 - - 16 - - 17 -			SAND & SILT	N/A	31"			ID, little Gravel, some Silt, some Clay, some	14'-18'	0.0	B-2: 14'- 18' VOCs
 18 19 20 21 			NA	N/A	NA	See Note*			NA	NA	NS -
 22 23 24 25 			SAND	N/A	32"	sorted, next 8" light interval marked by	brown coarse Sand, s	orange interbeds, well ome fine Sand, end of bottom 13" orange well Sand	22'-25'	0.0	NS
 26 27 28 29 			SAND	N/A	48"	fine Sand, next 16	rown medium well s 5" brown/gray well s h/gray fine Sand & S		25'-30'	0.0	NS
- 30 -						Bottom of Boring	at 30' bos		1		-
							, at 50 050				-
<u> </u>						* Tip of rod dropped i from Steve Law of Ge		to B-3 & B-4 until help			-
L _											
「 「											-
											-
┣ -						L					-
┣ -											-
L											

N/A - Not Applicable

NA - Not Available

BORIN			ing #:	B-3	ERM 399 Boylston ERM Boston, MA	n Street, 6th Floor . 02116	SITE MA	AP	↑ N		
Project: Client: Drilling Co: Date Started:	Raytheon - W Raytheon Geosearch, In 23-Nov-02			Project Number: Logged by: Driller: Date Finished:	143.78 Michael Horesh Chris 23-Nov-02			B-4			
Location: Screen Diam:	Wayland, Mas N/A	ssachusetts	Length:	Drilling Method:	Geoprobe Slot Size:	N/A	B-1	-	⊕ B-3		
Casing Diam: Boring Depth: Surface Elev.:	N/A 30' NA		Length: Well Dep MP: MP Elev.	N/A	Type: Boring Diam.: Depth to GW:	N/A 3" ~14'	Notes:				
Depth Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spc	oon Description/Soil Cla	ssification	Sample # & Depth	HS Conc. (ppm)	Lab Sample # Analyses		
0 - N/A 1 - 2 3 - 4 5 - 6 7 - 8 9 - 9 10	SAND	N/A	40"	sorted, trace fine	own coarse SAND, little Silt, next 20" light brow Inding; bottom 1" purple	n fine SAND, well	0-10'	0.0	NS		
10 - 11 - 12 - 13 - 14 -	SAND	N/A	49"	-interfingering, bo	own fine SAND, some p ottom 33" light brown cc ad, some orange banding	barse Sand, some	10'-15'	0.0	NS		
15 - 16 - 17 - 18 - 19 -	SAND & SILT	N/A	54"	-	vell sorted fine SAND & h coarse/medium Sand,		15'-20'	0.0	NS		
20 - 21 - 22 - 23 - 24 - 24 - 24 - 24 - 24 - 24	SILT	N/A	60"	Top 28" brown v sorted Silt.	vell sorted SILT, next 2'	" dark purple well	20'-25'	0.0	NS		
25 - 26 - 27 - 28 - 29 -	GRAVEL	N/A	55"	brown to brown	wn coarse Sand & GRA' medium Sand, little Silt, some Silt, well sorted.			0.0	B-3: 25'-3(VOCs		
30 -				Bottom of Boring	g at 30' bgs						

N/A - Not Applicable

NA - Not Available

BO	BORING LOG for Boring #			ing #:	B-4	ERM 399 Boylston Street, 6th Floor ERM Bos ton, MA 02116	SITE M.	AP	↑ N
Project		Raytheon - Wa	ayland		Project Number:	143.78		р 4	
Client:		Raytheon			Logged by:	Michael Horesh		$\searrow \stackrel{\text{B-4}}{\oplus}$	
Drilling		Geosearch, Inc	с.		Driller:	Chris		\sim	
Date St		23-Nov-02			Date Finished:	23-Nov-02		⊕ MW-	43S
Locatio		Wayland, Mas	ssachusetts		Drilling Method:	Geoprobe		$\bigoplus_{B-1} \bigoplus_{B-2}$	\oplus
Screen		N/A		Length:	N/A	Slot Size: N/A		B-1 B-2	B-3
Casing		N/A		Length:	N/A	Type: N/A			
Boring	Depth:	30'		Well Dep		Boring Diam.: 3"			
Surface	e Elev.:	NA		MP:	N/A	Depth to GW: ~16'	Notes:		
		1	T	MP Elev	: <u>N/A</u>	_		1	1
Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoor	n Description/Soil Classification	Sample # & Depth	HS Conc. (ppm)	Lab Sample # & Analyses
0	N/A								
- 0 -					—				_
2 -					_				
- 4 -					_				_
6 –					_				_
0									
- 0 -									
- 10 -					_				_
- 12 -									_
		SAND &	NT/A	201		D-GRAVEL., poorly sorted , brown/tan, dry,	101.101	0.0	NC
- 14 -		GRAVEL	N/A	30"	dry	own fine Sand, little coarse Sand, well sorted,	12'-16'	0.0	NS —
- 16 -									B-4: 16'-20'
- 18 -		SAND	N/A	37"		sorted medium SAND, wet, next 22" brown e Clay, wet, bottom 3" purple Silt & Clay	16'-20'	0.0	VOCs
- 20 -						e Clay, wet, bottom 5° purple Sift & Clay			VOCs
		SAND &	N/A	46"	Top 30" deep purple,	, well sorted fine SAND, some SILT, bottom	20'-24'	0.0	NS —
- 22 -		SILT	IN/A	40	16" brown to orange/	/brown well sorted fine Sand, some Silt	20-24	0.0	115
- 24 - - 26 -		SAND	N/A	42"		swirl of fine to well sorted SAND, bottom 14" pink coarse Sand, little Gravel	24'-28'	0.0	NS
- 28 -		SAND	N/A	26"	Dark purple mediu	m to coarse SAND, little Gravel	28'-30'	0.0	NS
- 30 -					Bottom of Boring a				
┝╶┥					Domon of Doming (a 50 050			-
┝╶┙					—				_
									_
┝╶┥					<u> </u>				_
					_				_
					—				-
┣╴┥					 				-
┝╶┙									
Γ 1									
┝╶┤					—				-
┝╶┥									_

N/A - Not Applicable

NA - Not Available

Project Raytheon Logged by: Hailding #3 Defining Co: Generatch In: Defining Co: Steven Law Courtyuet Date Starter > Nov.302 Defining Method Generatch In: Defining Method Courtyuet Wilkswight MW-1966 Screen Dam: 1* Length 10° Skie Starter Duffining Method Courtyuet Wilkswight MW-1966 Screen Dam: 1* Length 20° Type: PVC Defining Method MW-1966 MW-1966 </th <th>DRILL</th> <th>ING LOG for</th> <th>r Well #: MW-105</th> <th>SM ERM Boylston Street, 6th Flor Boston, MA 02116</th> <th>SITE MAP</th> <th>↑ N</th>	DRILL	ING LOG for	r Well #: MW-105	SM ERM Boylston Street, 6th Flor Boston, MA 02116	SITE MAP	↑ N
Clastic conservation - Logged by: Values Zalay - Couryed - United for the second, here - Date Statistic - Streen Date -						Building #3
Dalling Concentration Concentration Dealler: Seven Law Image: Concentration of the con	Client:	Raytheon		Viktoria Zoltay	Courtyard	ŭ
Date in the interval inter						337-11
Screen Dram: 1 Length: 107 Stef Species MUIO MUI-450 MUI-450 Boring Depth 307 Type: PVC Depth PVC Depth MUI Building #4 Sardace Elev: NA MP: PVC Depth to GW: 18.36 Notes: GW elevation measured on 11/11/02 Depth Well Log Stratege Measure Revert Split Spoon Description/Soll Classification Depth PDC Cox: Lab Sample & Ausiges					M	W-438 MW-105
Casing Diam. 1 Longh. 20' Type: PYC WX:IndGEP WF-10C Boring Diam. 30 With Deph 30' Boring Diam. 3' Notes: GW elevation measured on 11/11/02 Surface Elev: NA MP Elev: NA MP Elev: NA MP Elev. NA Deph Vicil Log setume processing bian. 3' Notes: GW elevation measured on 11/11/02 Deph Vicil Log setume processing bian. Analyses 1						∰ ∰MW-105M MW-43D
Casar product Construction Construction Construction Partner Building #4 Surface Dev: NA MP PVC Depth to GW: 12.36 Notes: GW elevation measured on 11/11/02 Depth Wall Log measured measured on 11/11/02 11/11/02 PID Conc Lab Sample # & Analysis 1 measured measured on 11/11/02 measured on 11/11/02 PID Conc Lab Sample # & Analysis 1 measured measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 1 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 1 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 1 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 1 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 1 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 1 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02 measured on 11/11/02					MW-104	106M MW-106
Sardiace Dev: NA NP PVC Depth to GW: 13.36 Notes: GW elevation measured on 11/11/02 Depth Wall Log issuesetty issue						
MP Elect NA 11/11/02 Doph Well Log Strateste Browness Split Spoon Description:Soil Classification Doph PipD Conc. Lab Simple / Analyses 1 - - - - - - - - 2 - - - - - - - - 3 - - - - - - - - 4 - - - - - - - - 5 - - - - - - - - 6 - - - - - - - - 6 - - - - - - - - 7 - - - - - - - - 10 - - - - - - - - 11 - - - - - - - - 12 - - - - - - - - 13 - - - -				Ŭ	Notes: GV	
Day II Log Margany per tamba Record Split Spoon Description/Soil Classification Depth (ppn) Anatyses 1 -	Surface Liev	11/1				
2 - 2 - 3 - 4 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	Depth Well Log		Recovery Split Sp	oon Description/Soil Classification	Depth	-
Key to Well Construction	2 - 3 3 - 4 5 - 6 6 - 7 7 - 8 8 - 9 9 - 10 10 - 11 11 - 12 12 - 13 14 - 15 16 - 17 18 - 17 18 - 19 20 - 11 22 - 11 22 - 11 22 - 11 22 - 11 22 - 11 23 - 11 23 - 11 24 - 11 25 - 11 26 - 11 27 - 11 28 - 11 29 - 11 20 - 21 20 - 21				20'-25'	0.0
	25		Sandpack			-

DF	RILLI	NG LC)G for	: Wel	H: MW-105M _{ERM} MW-105M _{ERM} Boylston Street, 6th Floor Boston, MA 021 16	Page	2 of	2
Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
26 - 27 - 28 - 29 - 30		SAND		45"	Medium brown fine to very fine SAND, little brown/gray Silt, little Gravel, wet.	25'-30'	0.0	
 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 					Bottom of Boring at 30' bgs <u>Well Construction Details</u> 0-1' Concrete Surface Seal 1'-16' Native Material 16'-18' Bentonite Chip Seal 18'-30' # Silica Sand Filter Pack 20'-30' 0.010'' Slotted PVC Well Screen 30' Bottom of borehole			
- 53 - 54 -					-			-

DRILL	ING LOG	for Wel	l #: MW-106M	ERM 399 Bo ylsto ERM Boston, M	on Street, 6th Floor A 02116	SITE M.	AP	↑ N
Project:	Raytheon - Wayland		Project Number:	143.78		1	Building #3	3
Client:	Raytheon		Logged by:	Viktoria Zoltay		Courtyard	1	
Drilling Co:	Geosearch, Inc.		Driller:	Steven Law				Walkway
Date Started:	9-Nov-02	<u> </u>	Date Finished:	9-Nov-02			MW-438 M	V-105
Location:	Wayland, Massachus		Drilling Method:	GeoProbe		<u>MW-438 MW-105</u> ⊕ ⊕ ⊕ 104 MW-104 MW-43D		HW-105M
Screen Diam:	1"	Length:	10'	Slot Size:	0.010"	MW-10	6M∰ MW-	-106
Casing Diam:	1"	Length:	20'	Type:	PVC	_	Building #4	
Boring Depth:	30'	Well Dep		Boring Diam.:	3"	Natara		
Surface Elev.:	NA	MP:	PVC	Depth to GW:	18.85	Notes: on 11/11		ion measured
		MP Elev.	NA			On 11/11	/02	
Dopth	Blowco		Split Spoor	n Description/Soil Cla	agification	Donth	PID Conc.	Lab Sample # & Analyses
Depth Well Log		ches Recovery	Split Spool	n Description/Son Cla	assincation	Depth	(ppm)	Analyses
			-					_
- 2 -			-					_
			-					
– 4 –			-					
- 5 -			-					
– 6 –			-					_
7								
- 8 -			-					_
— 10 —			-					_
_ 11 _								_
			_					
- 12 -			-					_
- 13 -								_
10								
- 14 -			-					_
- 15 -			-					_
- 16 -			-					
- 17 -			-					_
10								
- 18			-					
- 19 -			-					_
20								
- 21 -			-					_
	SAND &	45"		edium to fine SAND a	and SILT, some	20'-25'	0.0	
-23 -	SILT		Clay lenses, dense	e, saturated.				_
_24								
			_					
25	1		-					_
			ell Construction					
			Sandpack	Well Screen	Grout			
			Bentonite Seal	Cement	Native Material			

DF	RILLI	NG LO)G foi	: Wel	I #: MW-106M ERM Boy Iston Street, 6th Floor Boston, MA 021 16	Page	2 of	2
Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
26 27 28 29 30		SAND		48"	Brown medium SAND, little very fine SAND, trace coarse SAND, loose, saturated.	25'-30'	0.0	-
30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51					Bottom of Boring at 30' bgs Well Construction Details 0-1' Concrete Surface Seal 1'-16' Native Material 16'-18' Bentonite seal 18'-30' #1 Silica Sand Filter Pack 20'-30' 0.01" Slotted PVC Well Screen 30' Bottom of borehole			
52 - 53 - 54 - 54 - 54 - 54 - 54 - 54 - 54								-

DRILL	ING LO	G for	Well	#: MW-117	ERM 399 Boyls ERM Boston, N	ston Street, 6th Floor AA 02116	SITE MA	Р	↑ N
Project:	Raytheon - Wa			Project Number:	143-78			~	
Client:	Raytheon	5		Logged by:	Mark Ciriello			•	
Drilling Co:	Geosearch, Ind	c.		Driller:	M. Bovenzi		T	MW-117	
Date Started:	19-Nov-02			Date Finished:	9-Nov-02				
Location:	Wayland, Mas	sachusetts		Drilling Method:	Hand Held Drilling	Techniques		BUILDI	NG 1
Screen Diam:	1"	suchuseus	Length:	10'	Slot Size:	0.010"			
Casing Diam:	1"		Length:	10'	Туре:	PVC	M₩\103	MW-118	
Boring Depth:	20'		Well Dep		Boring Diam.:	1"	₩ ⊕\ €	Ð	
Surface Elev.:	135.2'		MP:	PVC	Depth to GW:	18.76'	Note: De	pth to GW	was
Surface Elev	155.2					18.70		on 12/3/03	
			MP Elev	134.04	_		measureu	011 12/ 3/03	
Depth Well Lo	g Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon	Description/Soil C	lassification	Sample # & Depth	HS Conc. (ppm)	Lab Sample # & Analyses
- 1 - - 2 - - 3 - - 4 - - 5 - - 6 - - 7 - 8 -	SAND			Tan fine to medium sorted, dry.	1 SAND, little Silt,	trace Gravel, well	0'-8'	NA	
- 8 - 9 - 10	SAND		12"	Light brown mediu Gravel, well sorted		race Silt, trace	8'-10'	3.0	
- 11 - - 12 -	SAND		14"	Brown medium SA sorted, moist.	ND, some Gravel,	trace Silt, well	10'-12'	3.5	_
-13 -	SAND		24"	Brown medium SA top six inches tan fi		, ,	12'-14'	1.3	_
- 14 - 15	SAND & SILT		12"	Tan/light brown SA	AND and SILT, we	ll sorted, moist	14'-15'	2.3	
- 16 - - 17 - - 18 - - 19 - - 20 - 				0-1' Concre 0'-4' Portlar 5'-8' Bentor 8'-20' #1 Sili 10'-20' 0.010"	ell Construction D te Surface Seal	tonite Slurry Grout			

Key to Well Construction

Sandpack ⊞

Well Screen Cement

 \square

Grout Native Material

Bentonite Seal

DRILLI	NG LO	G for	Well	#: MW-118		ston Street, 6th Floor MA 02116	SITE MA	AP	↑ N
Project:	Raytheon - W	ayland		Project Number:	143.78				
Client:	Raytheon			Logged by:	Mark Ciriello/Vikto	oria Zoltay	1	€	9 MW-117
Drilling Co:	Geosearch, In	ıc.		Driller:	M. Bovenzi				
Date Started:	9-Nov-02			Date Finished:	9-Nov-02			BUILD	INC 1
Location:	Wayland, Ma	ssachusetts		Drilling Method:	Hand Held Drilling	Techniques		BUILD	
Screen Diam:	1"		Length:	10'	Slot Size:	0.010"	N 111 10	2	
Casing Diam:	1"		Length:	10'	Туре:	PVC	MW-10 ⊕\		
Boring Depth:	20'		Well Dep	oth 20'	Boring Diam.:	1"	Ŭ \	⊕MW-1	.18
Surface Elev.:	135.2'		MP:	PVC	Depth to GW:	18.73'	Note: D	epth to GV	√ was
			MP Elev	: 134.98'				d on 12/3/0	
	1	1							1
Depth Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon	Description/Soil C	lassification	Sample # & Depth	HS Conc. (ppm)	Lab Sample # & Analyses
- 1	SAND		48"	Brown fine to medi dry.	um SAND, some (Gravel, well sorted,	0'-4'	NA	-
	SAND		24"	Light brown fine to dry interbeds of Silt		ome Silt, well sorted,	4'-6'	7.2	_
- 7 -	SAND		22"	Interbedded tan and dry.	l light brown fine S	SAND, well sorted,	6'-8'	5.7	_
9 - 10 -	SAND		24"	Top 6" light brown bottom 18" light bro moist.		Silt, well sorted, dry; Silt, well sorted,	8'-10'	5.3	_
	SAND & SILT		24'	Light brown fine SA compact.	AND and SILT, we	ell sorted, moist,	10'-12'	4.5	
-13 -14 -15 -16 -17 -18 -18 -19 -19 -12	NA			- - - -			12'-20'	NA	
20				Bottom of Boring a	t 20' bgs				
				<u>Well Construction</u> 0-1' Concre 1'-5' Portlan 5'-8' Benton 8'-20' #1 Silie 10'-20' 0.010"	on Details ete Surface Seal				

Key to Well Construction

Sandpack

Well Screen Cement

Grout

Native Material

▦ Bentonite Seal

DODING		for W	11 #		9	ERM 399 Bo	ylston Street, 6th Floor	SITE MA	P	
BORING			11 #	MW-212M	ERM	Boston	, MA 02116		↑ È∷	
Project:	Raytheon-Wa	ayland		Project Number:	143.78				N MW-212	₩W-212M
Client:	Raytheon			Logged by:	Viktoria Zoli	ltay			MW-209 ⊕ €	₩W-210 B-211
Drilling Co:	GeoSearch			Driller:	Steven Law			· · :	• . • . • . • . • . •	• • • • • • • • • • • • •
Date Started:	9-Nov-02	•		Date Finished:	9-Nov-02			•.•	· · · · · · · · · · · · · · · · · · ·	
Location: Screen Diam:	Wayland, MA	4	Length:	Drilling Method: 10'	GeoProbe Slot Size:		0.010"		Exist	ing Building
Casing Diam:	1"		Length:	20'		-	PVC			
Boring Depth:	30'		Well Dep		Boring Dia		3"			
Surface Elev.:	NA		MP:	TOC	Depth to G	-	18.03	Notes: G	W elevati	on measured
Sunde Elevii	1111		MP Elev.			<u> </u>	10.05	on 11/11/0		
									PID Conc.	
Depth Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spo	on Descriptio	on/Soil	Classification	Sample # & Depth	(ppm) spoon/HS	Lab Sample # & Analyses
										-
- 2 -				_						
- 3				-						
- 4 										
				-						
- 6				-						
7										
- 8				-						
- 10				-						_
- 11				_						
- 12				-						
- 13 				-						
- 14				-						
- 15 				-						_
16										
- 16										
- 17				-						_
- 18				_						
	1									
- 19				-						
- 20	<u> </u>								 	
a										
- 21	1			_						
- 22			47"	Brown medium a	nd fine SANI	D, son	e coarse Sand, loose,	001.071	0.0	-
_ 23	SAND		47"	saturated.			, ,	20'-25'	0.0	_
	1									
- 24				-						-
- 25	1									
			Key to W	ell Construction						
				Sandpack	Well Scree	en	Grout			
				Bentonite Seal	Cement		Native Material			

BORING	G LOG	for V	Vell #	ERM 399 Boylston Street, 6th Floor Boston, MA 021 16	Page	2 of	2
Depth Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
26 27 28 29 30	SAND & GRAVEL		34"	GRAVEL and medium SAND at top to fine to medium brown SAND at bottom with little interbedded Cobbles, dense, saturated. Oil staining identified top 4".	25'-30'	135	-
30				Well Construction Details 0-1' Protective Concrete Surface Seal 1'-16' Native Material 16'-18' Bentonite Chip Seal 18'-30' #1 Silica Sand Filter Pack 20'-30' 0.010'' Slotted PVC Well Screen 30' Bottom of Boring			