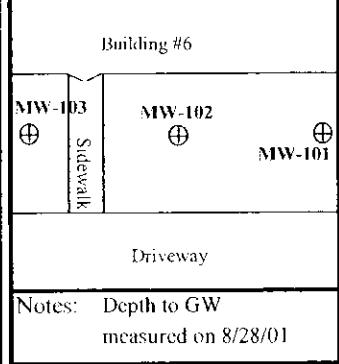


DRILLING LOG for Well #: MW-101

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Project:	Raytheon - Wayland	Project Number:	143.60
Client:	Raytheon	Logged by:	Viktoria Zoltay
Drilling Co:	Geosarch, Inc.	Driller:	Steven Law
Date Started:	25-Aug-01	Date Finished:	25-Aug-01
Location:	Wayland, Massachusetts	Drilling Method:	GeoProbe
Screen Diam:	1"	Length:	10'
Casing Diam:	1"	Slot Size:	0.010"
Boring Depth:	30'	Type:	PVC
Surface Elev.:	134.37	Boring Diam.:	3"
		Well Depth:	30'
		MP:	PVC
		MP Elev.:	134.05
		Depth to GW:	20.17'

Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Depth	PID Conc. (ppm)	Lab Sample # & Analyses
0								
1								
2		FILL.			Backfill.	0'-4'	0.0	
3								
4								
5								
6		SAND			Brown, fine SAND w/ interbedded Gravel.	4'-9'	0.0	
7								
8								
9								
10		SAND			Light brown, fine SAND.	9'-12.5'	0.0	
11								
12								
13		SAND			Brown, very fine SAND to silty SAND.	12.5'-13.5'	0.0	
14								
15		SAND			Light brown, fine SAND.	13.5'-15'	0.0	
16								
17		SAND			Brown, very fine SAND to silty SAND.	15'-16.5'	0	
18		SAND & SILT			Brown, very fine SAND to grey SILT.	16.5'-17.5'	0.0	
19								
20		SAND			Brown, very fine SAND.	17.5'-20'	0.0	
21								
22		SAND			Brown, fine SAND.	20'-24'	0.0	
23								
24								
25		SAND			Brown, medium SAND w/ interbedded Gravel.	24'-25'	0.0	

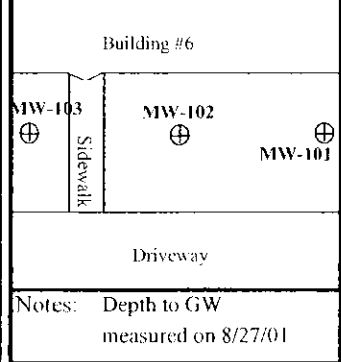
Key to Well Construction

- Sandpack
- Well Screen
- Bentonite Seal
- Cement

DRILLING LOG for Well #: MW-102

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Project:	Raytheon - Wayland	Project Number:	143.60
Client:	Raytheon	Logged by:	Viktorija Zoltay
Drilling Co:	Geosarch, Inc.	Driller:	Steven Law
Date Started:	25-Aug-01	Date Finished:	25-Aug-01
Location:	Wayland, Massachusetts	Drilling Method:	GeoProbe
Screen Diam:	1"	Length:	10'
Casing Diam:	1"	Length:	20'
Boring Depth:	30'	Well Depth:	30'
Surface Elev.:	134.27	MP:	PVC
		MP Elev.:	134.24
		Slot Size:	0.010"
		Type:	PVC
		Boring Diam.:	3"
		Depth to GW:	20.01'

Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Depth	PID Conc. (ppm)	Lab Sample # & Analyses
0					Soil collected at MW-101.			
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

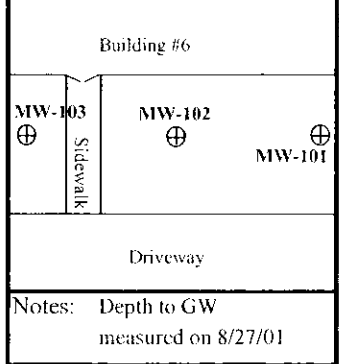
Key to Well Construction

- Sandpack
- Well Screen
- Bentonite Seal
- Cement

DRILLING LOG for Well #: MW-103

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116





SITE MAP



Project:	Raytheon - Wayland	Project Number:	143.60
Client:	Raytheon	Logged by:	Viktoria Zoltay
Drilling Co.:	Geosearch, Inc.	Driller:	Steven Law
Date Started:	25-Aug-01	Date Finished:	25-Aug-01
Location:	Wayland, Massachusetts	Drilling Method:	GeoProbe
Screen Diam:	1"	Length:	10'
Casing Diam:	1"	Length:	20'
Boring Depth:	30'	Well Depth:	30'
Surface Elev.:	134.28	MP:	PVC
		MP Elev.:	133.94
		Slot Size:	0.010"
		Type:	PVC
		Boring Diam.:	3"
		Depth to GW:	17.05'

Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Depth	PID Conc. (ppm)	Lab Sample # & Analyses
0					Soil collected at MW-101.			
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

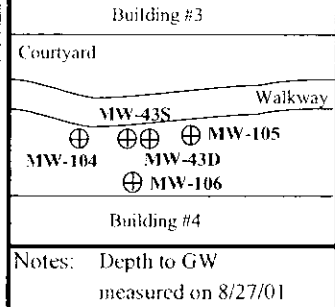
Key to Well Construction

-  Sandpack
-  Well Screen
-  Bentonite Seal
-  Cement

DRILLING LOG for Well #: MW-104

ERM
399 Baylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Project:	Raytheon - Wayland	Project Number:	143.60
Client:	Raytheon	Logged by:	Viktoria Zoltay
Drilling Co:	Geosearch, Inc.	Driller:	Steven Law
Date Started:	25-Aug-01	Date Finished:	25-Aug-01
Location:	Wayland, Massachusetts	Drilling Method:	GeoProbe
Screen Diam:	1"	Length:	10'
Casing Diam:	1"	Length:	10'
Boring Depth:	20'	Well Depth:	20'
Surface Elev.:	134.37	MP:	PVC
		MP Elev.:	133.77
		Slot Size:	0.010"
		Type:	PVC
		Boring Diam.:	3"
		Depth to GW:	15.33'

Depth	Well Log	Stratigraphy	Blowcounts per 6-inches	Recovery	Split Spoon Description/Soil Classification	Depth	PID Conc. (ppm)	Lab Sample # & Analyses
0								
1								
2								
3								
4		FILL			Backfill.	0'-7.5'	0.0	
5								
6								
7								
8		SAND			Light to dark brown, very fine SAND to silty SAND.	7.5'-10'	0.0	
9								
10								
11								
12		SAND			Light to dark brown, medium to coarse SAND with ~0.25" SILT layer.	10'-15'	0.0	
13								
14								
15								
16								
17		SAND			Brown, very fine SAND with grey, clayey SILT layers/pockets. Bottom 2" grey clayey SILT.	15'-20'	0.0	
18								
19								
20					Bottom of Boring at 20' bgs.			
21					Well Construction Details:			
22					Flushmount Roadbox			
23					0'-1' Concrete Surface Seal			
24					1'-6' Sand			
25					6'-8' Bentonite			
					8'-20' #1 Silica Sand Filter Pack			
					10'-20' #0.010" Slotted PVC Well Screen			
					20' Bottom of Boring			

Key to Well Construction

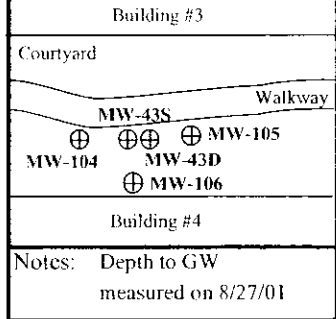
- Sandpack
- Well Screen
- Bentonite Seal
- Cement

DRILLING LOG for Well #: MW-105



ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Project:	Raytheon - Wayland	Project Number:	143.60
Client:	Raytheon	Logged by:	Viktoria Zoltay
Drilling Co:	Geosearch, Inc.	Driller:	Steven Law
Date Started:	25-Aug-01	Date Finished:	25-Aug-01
Location:	Wayland, Massachusetts	Drilling Method:	GeoProbe
Screen Diam:	1"	Length:	10'
Casing Diam:	1"	Length:	10'
Boring Depth:	20'	Well Depth:	20'
Surface Elev.:	134.74	MP:	PVC
		MP Elev.:	134.29
		Slot Size:	0.010"
		Type:	PVC
		Boring Diam.:	3"
		Depth to GW:	15.49'

Notes: Depth to GW measured on 8/27/01

Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Depth	PID Conc. (ppm)	Lab Sample # & Analyses
0								
1								
2								
3								
4								
5		FILL			Backfill.	0'-10'	0.0	
6								
7								
8								
9								
10								
11		SAND			Brown, fine to very fine SAND.	10'-11.5'	0.0	
12		SAND			Dark brown, medium SAND.	11.5'-13.5'	0.0	
13		SILT			Brown to grey-brown, clayey SILT.	13.5'-14.5'	0.0	
14		SAND & SILT			Light brown, very fine SAND to SILT.	14.5'-15'	0.0	
15								
16		SAND			Brown, medium SAND.	15'-18'	0.0	
17								
18		SAND & SILT			Brown/grey SILT w/ trace of Clay; fine SAND.	18'-19'	0.0	
19								
20		SAND			Brown, very fine SAND.	19'-20'	0.0	
21					Well Construction Details:			
22					Flushmount Roadbox			
23					0'-1' Concrete Surface Seal			
24					1'-6' Sand			
25					6'-8' Bentonite			
					8'-20' #1 Silica Sand Filter Pack			
					10'-20' #0.010" Slotted PVC Well Screen			
					20' Bottom of Boring			

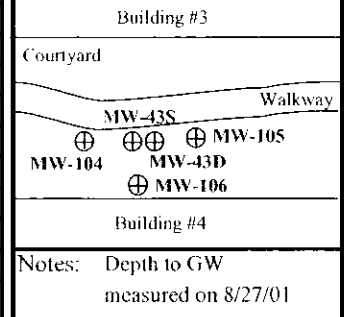
Key to Well Construction

- Sandpack
- Well Screen
- Bentonite Seal
- Cement

DRILLING LOG for Well #: MW-106

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

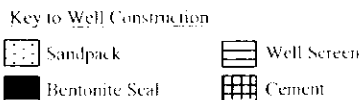
SITE MAP



Project:	Raytheon - Wayland	Project Number:	143.60
Client:	Raytheon	Logged by:	Viktoria Zoltay
Drilling Co.:	Geosearch, Inc.	Driller:	Steven Law
Date Started:	25-Aug-01	Date Finished:	25-Aug-01
Location:	Wayland, Massachusetts	Drilling Method:	GeoProbe
Screen Diam:	1"	Length:	10'
Casing Diam:	1"	Length:	10'
Boring Depth:	20'	Well Depth:	20'
Surface Elev.:	135.02	MP:	PVC
		MP Elev.:	134.47
		Slot Size:	0.010"
		Type:	PVC
		Boring Diam.:	3"
		Depth to GW:	16.07'

Notes: Depth to GW measured on 8/27/01

Depth	Well Log	Stratigraphy	Blow counts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Depth	PID Conc. (ppm)	Lab Sample # & Analyses
0								
1								
2								
3								
4		FILL			Backfill.	0'-7'	0.0	
5								
6								
7		SAND			Light brown, fine SAND.	7'-8.5'	0.0	
8		SAND			Brown/tan, very fine SAND.	8.5'-9.5'	0.0	
9								
10		SAND			Brown, medium to coarse SAND w/ interbedded Gravel.	9.5'-12.5'	0.0	
11								
12		SAND			Medium SAND w/ SILT.	12.5'-13.5'	0.0	
13								
14		SAND			Medium to coarse SAND w/ SILT.	13.5'-15'		
15								
16		SAND & SILT			Brown, very fine SAND and greyish brown, clayey SILT.	15'-17'		
17								
18		SAND			Brown, fine SAND.	17'-18'	0.0	
19		SAND & SILT			Brown, very fine SAND and clayey SILT.	18'-18.5'	0.0	
20		SILT			Grey/ dark grey, clayey SILT.	18.5'-20'	0.0	
21					Well Construction Details:			
22					Flushmount Roadbox			
23					0'-1' Concrete Surface Seal			
24					1'-6' Sand			
25					6'-8' Bentonite			
					8'-20' #1 Silica Sand Filter Pack			
					10'-20' #0.010" Slotted PVC Well Screen			
					20' Bottom of Boring			



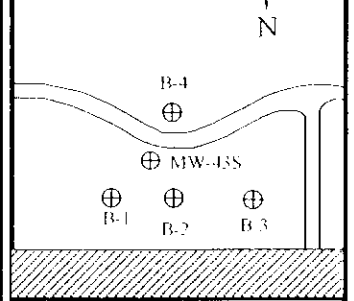
BORING LOG for Boring #:

B-1



ERM
399 Rye/ston Street, 6th Floor
Boston, MA 02116

SITE MAP



Notes:

Project	Raxtheon - Wayland	Project Number:	143-78		
Client	Raxtheon	Logged by:	Michael Horesch		
Drilling Co:	Geosearch, Inc	Driller	Chris		
Date Started:	23-Nov-02	Date Finished	23-Nov-02		
Location:	Wayland, Massachusetts	Drilling Method:	Geoprobe		
Screen Diam	N/A	Length	N/A	Slot Size:	N/A
Casing Diam:	N/A	Length	N/A	Type:	N/A
Boring Depth	28'	Well Depth	N/A	Boring Diam.:	3"
Surface Elev.:	NA	MP:	N/A	Depth to GW	+14'
		MP Elev.:	N/A		


Depth	Well Log	Stratigraphy	Blow counts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	HS Conc (ppm)	Lab Sample # & Analyses
0	N/A							
2								
4								
6								
8								
10		SAND	N/A	38"	Top 10" brown well sorted fine SAND, remaining depth brown poorly sorted coarse Sand, some Gravel, some fine Sand interbeds (-2"), trace Cobbles, dry	8'-12'	0.0	NS
12								
14		SAND	N/A	48"	Top 23" brown/dark brown coarse SAND, trace Cobble & Gravel, dry, next 2" brown to orange/brown fine Sand, some Silt, trace gray Clay, we	12'-16'	0.0	NS
16								
18		SAND	N/A	38"	Top 8" brown/tan coarse SAND, poorly sorted, trace Cobble, little Gravel, next 22" brown-gray/brown fine Sand, Silt, little gray Clay, trace gray Clay	16'-20'	0.0	NS
20								
22		SAND	N/A	37"	Top 30" dark purple to purple well sorted fine SAND, little Silt purple staining, saturated through 31" decreasing in saturation w depth, bottom 7" dark-medium brown well sorted fine Sand	20'-24'	0.5	B-1 20'-24' VOC's
24								
26		SAND	N/A	NA*	Brown fine to medium SAND, well sorted, some purple Sand at bottom of sleeve (4")	24'-28'	0.5	NS
28					Bottom of Boring at 28' bgs			
					* Sample pushed through casing, unable to remove sleeve - could not determine recovery			

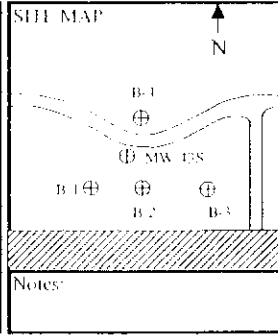
Note:

N/A - Not Applicable

NA - Not Available

NS - No Sample

BORING LOG for Boring #: B-2		 IRM 309 Hoxton Street, 6th Floor Boston, MA 02116	
Project	Rashteen - Wayland	Project Number	14375
Client	Rashteen	Logged by	Michael Hoesli
Drilling Co.	Gensarch, Inc.	Driller	Chris
Date Started	23-Nov-02	Date Finished	23-Nov-02
Location	Wayland, Massachusetts	Drilling Method	Coneprobe
Screen Diam	N/A	Length	N/A
Casing Diam	N/A	Length	N/A
Boring Depth	30'	Well Depth	N/A
Surface Elev	N/A	MP	N/A
		MP Elev	N/A
		Slot Size	N/A
		Type	N/A
		Boring Diam	2"
		Depth to GW	12'



Depth	Well Log	Stratigraphy	Flow units per 10' (inches)	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	HS Conc (ppm)	Lab Sample # & Analyses
0	N/A							
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13		SAND	N/A	13"	Top 7" brown/dark tan, well sorted, medium SAND, little fine Sand, wet, bottom 6" brown medium Sand & Silt	12'-14'	2.0	NS
14								
15		SAND & SILT	N/A	31"	Top 6" brown medium to coarse SAND, little Gravel, some SILT, bottom 25" brown well sorted Silt, some Clay, some Sandy interbeds	14'-18'	0.0	B-2: 14'-18' VOC's
16								
17								
18								
19								
20		NA	N/A	NA	See Note*	NA	NA	NS
21								
22								
23		SAND	N/A	32"	Top 11" brown/orange fine SAND, some orange interbeds, well sorted, next 8" light brown coarse Sand, some fine Sand, end of interval marked by black & orange band, bottom 13" orange well sorted coarse & medium Sand, little fine Sand	22'-25'	0.0	NS
24								
25								
26								
27		SAND	N/A	48"	Top 14" orange/brown medium well sorted SAND, some fine Sand, next 16" brown/gray well sorted fine Sand, bottom 18" brown-gray fine Sand & Silt	25'-30'	0.0	NS
28								
29								
30					Bottom of Boring at 30' bgs			
					* Top of rod dropped into bore hole - moved on to B-3 & B-4 until help from Steve Law of Gensarch			

Note
 N/A - Not Applicable
 NA - Not Available
 NS - No Sample

BORING LOG for Boring #: B-3		ERM 590 Bay Street, 6th Floor Boston, MA 02115		SITE MAP 	
Project	Raytheon - Wayland	Project Number	143,78		
Client	Raytheon	Logged by	Michael Horesch		
Drilling Co.	Geosearch, Inc.	Driller	Chris		
Date Started	23-Nov-02	Date Finished	23-Nov-02		
Location	Wayland, Massachusetts	Drilling Method	Geoprobe		
Screen Diam	N/A	Length	N/A	Slot Size	N/A
Casing Diam	N/A	Length	N/A	Type	N/A
Boring Depth	30'	Well Depth	N/A	Boring Diam	3"
Surface Elev	NA	MP	N/A	Depth to GW	14'
		MP Elev	N/A		
Notes					

Depth	Well Log	Stratigraphy	Blow count per ft inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	HS Conc. (ppm)	Lab Sample # & Analyses
0	N/A							
1								
2								
3								
4		SAND	N/A	40"	Top 20" light brown coarse SAND, little Gravel, dry, poorly sorted, trace fine Silt, next 20" light brown fine SAND, well sorted, orange banding; bottom 1" purple fine Sand.	0-10'	0.0	NS
5								
6								
7								
8								
9								
10								
11		SAND	N/A	49"	Top 16" light brown fine SAND, some purple interfingering, bottom 33" light brown coarse Sand, some fine/medium Sand, some orange banding throughout interval.	10'-15'	0.0	NS
12								
13								
14								
15		SAND & SILT	N/A	54"	Top 40" brown well sorted fine SAND & SILT, interfingered with coarse/medium Sand, trace Gravel	15'-20'	0.0	NS
16								
17								
18								
19								
20								
21		SILT	N/A	60"	Top 28" brown well sorted SILT, next 2" dark purple well sorted Silt	20'-25'	0.0	NS
22								
23								
24								
25								
26		GRAVEL	N/A	55"	Top 7" light brown coarse Sand & GRAVEL, next 28" light brown to brown medium Sand, little Silt, bottom 20" orange-brown fine Sand, some Silt, well sorted.	25'-30'	0.0	B-3: 25'-30' VOCs
27								
28								
29								
30					Bottom of Boring at 30' bgs			

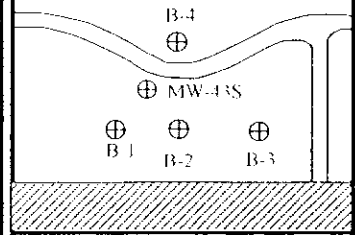
Note:
 N/A - Not Applicable
 NA - Not Available
 NS - No Sample

BORING LOG for Boring #:

B-4

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Project:	Raytheon - Wayland	Project Number:	14578		
Client:	Raytheon	Logged by:	Michael Boresh		
Drilling Co:	Geosearch, Inc.	Driller:	Chris		
Date Started:	23-Nov-02	Date Finished:	23-Nov-02		
Location:	Wayland, Massachusetts	Drilling Method:	Geoprobe		
Screen Diam:	N/A	Length:	N/A	Slot Size:	N/A
Casing Diam:	N/A	Length:	N/A	Type:	N/A
Boring Depth:	30'	Well Depth:	N/A	Boring Diam:	3"
Surface Elev.:	NA	MP:	N/A	Depth to GW:	-16'
		MP Elev.:	N/A		

Notes:

Depth	Well Log	Stratigraphic	Blow count per foot inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	HS Conc (ppm)	Lab Sample # & Analyses
0	N/A							
2								
4								
6								
8								
10								
12								
14		SAND & GRAVEL	N/A	30"	Top 22" coarse SAND-GRAVEL, poorly sorted, brown/tan, dr bottom 8" orange/brown fine Sand, little coarse Sand, well sorte dry	12'-16'	0.0	NS
16								
18		SAND	N/A	37"	Top 12" brown, well sorted medium SAND, wet, next 22" brown well sorted Silt, some Clay, wet, bottom 3" purple Silt & Clay	16'-20'	0.0	B-4: 16- 20' VOCs
20								
22		SAND & SILT	N/A	46"	Top 30" deep purple, well sorted fine SAND, some SILT, botto 16" brown to orange/brown well sorted fine Sand, some Silt	20'-24'	0.0	NS
24								
26		SAND	N/A	42"	Top 26" brown/pink swirl of fine to well sorted SAND, bottom 14" mostly brown some pink coarse Sand, little Gravel	24'-28'	0.0	NS
28								
30		SAND	N/A	26"	Dark purple medium to coarse SAND, little Gravel	28'-30'	0.0	NS
					Bottom of Boring at 30' bgs			

Note:

N/A - Not Applicable

NA - Not Available

NS - No Sample

DRILLING LOG for Well #: MW-117

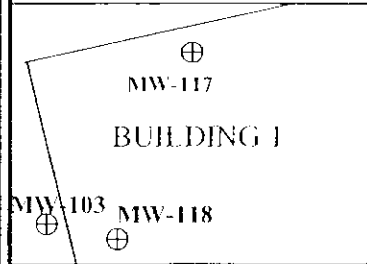


ERM
390 Boylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Project:	Raytheon - Wayland	Project Number:	143-78		
Client:	Raytheon	Logged by:	Mark Cinello		
Drilling Co:	Geosearch, Inc	Driller:	M. Bovenzi		
Date Started:	19 Nov -02	Date Finished:	9 Nov -02		
Location:	Wayland, Massachusetts	Drilling Method:	Hand Held Drilling Techniques		
Screen Diam:	1"	Length:	10'	Slot Size:	0.010"
Casing Diam:	1"	Length:	10'	Type:	PVC
Boring Depth:	20'	Well Depth:	20'	Boring Diam:	1"
Surface Elev:	135.2'	MP:	PVC	Depth to GW:	18.76'
		MP Elev:	134.8'		



Note: Depth to GW was measured on 12/3/05

Depth	Well Log	Stratigraphy	Blow counts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	HS Conc (ppm)	Lab Sample # & Analyses
1								
2								
3								
4		SAND			Tan fine to medium SAND, little Silt, trace Gravel, well sorted, dry.	0'-8'	NA	
5								
6								
7								
8								
9		SAND		12"	Light brown medium to fine SAND, trace Silt, trace Gravel, well sorted, moist.	8'-10'	3.0	
10								
11		SAND		14"	Brown medium SAND, some Gravel, trace Silt, well sorted, moist.	10'-12'	3.5	
12								
13		SAND		24"	Brown medium SAND, little Gravel, well sorted, moist; top six inches tan fine Sand and Silt well sorted, moist.	12'-14'	1.3	
14								
15		SAND & SILT		12"	Tan/light brown SAND and SILT, well sorted, moist	14'-15'	2.3	
16								
17								
18								
19								
20								
					Bottom of Boring at 20' bgs			
					Well Construction Details			
					0-1' Concrete Surface Seal			
					0'-4' Portland Cement and Bentonite Slurry Grout			
					5'-8' Bentonite Seal			
					8'-20' #1 Silica Sand Filter Pack			
					10'-20' 0.010" Slotted PVC Well Screen			
					19.6' Bottom of borehole			

Key to Well Construction

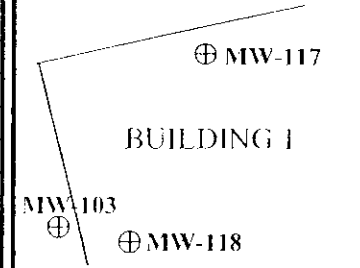
	Sandpack		Well Screen		Grout
	Bentonite Seal		Cement		Native Material

DRILLING LOG for Well #: MW-118



ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Project:	Raytheon - Wayland	Project Number:	143 78		
Client:	Raytheon	Logged by:	Mark Ciriello/Viktoria Zoltay		
Drilling Co:	Geosearch, Inc.	Driller:	M. Bovenzi		
Date Started:	9 Nov 02	Date Finished:	9 Nov 02		
Location:	Wayland, Massachusetts	Drilling Method:	Hand Held Drilling Techniques		
Screen Diam:	1"	Length:	10'	Slot Size:	0.010"
Casing Diam:	1"	Length:	10'	Type:	PVC
Boring Depth:	20'	Well Depth:	20'	Boring Diam:	1"
Surface Elev:	135.2'	MP:	PVC	Depth to GW:	18.73'
		MP Elev.:	134.98'		

Note: Depth to GW was measured on 12/3/03

Depth	Well Log	Stratigraphy	Blows/6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	HS Conc. (ppm)	Lab Sample # & Analyses
1								
2		SAND		48"	Brown fine to medium SAND, some Gravel, well sorted, dry.	0'-4'	NA	
3								
4								
5		SAND		24"	Light brown fine to medium SAND, some Silt, well sorted, dry interbeds of Silt.	4'-6'	7.2	
6								
7		SAND		22"	Interbedded tan and light brown fine SAND, well sorted, dry.	6'-8'	5.7	
8								
9		SAND		24"	Top 6" light brown fine SAND, some Silt, well sorted, dry; bottom 18" light brown fine Sand and Silt, well sorted, moist.	8'-10'	5.3	
10								
11		SAND & SILT		24"	Light brown fine SAND and SILT, well sorted, moist, compact.	10'-12'	4.5	
12								
13								
14								
15								
16		NA				12'-20'	NA	
17								
18								
19								
20								
					Bottom of Boring at 20' bgs			
					<u>Well Construction Details</u>			
					0-1' Concrete Surface Seal			
					1'-5' Portland Cement and Bentonite Slurry Grout			
					5'-8' Bentonite seal			
					8'-20' #1 Silica Sand Filter Pack			
					10'-20' 0.010" Slotted PVC Well Screen			
					20' Bottom of borehole			

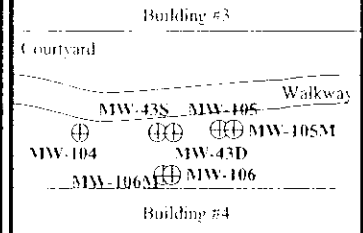
Key to Well Construction

	Sandpack		Well Screen		Grout
	Bentonite Seal		Cement		Native Material

DRILLING LOG for Well #: MW-105M

ERM
309 Boylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Notes: GW elevation measured on 11/11/02


Project	Raytheon - Wayland	Project Number	143 78
Client	Raytheon	Logged by	Viktoria Zoltay
Drilling Co.	Geosearch, Inc	Driller	Steven Law
Date Started	9-Nov-02	Date Finished	9-Nov-02
Location	Wayland, Massachusetts	Drilling Method	GeoProbe
Screen Diam	1"	Length	10'
Casing Diam	1"	Length	20'
Boring Depth	30'	Well Depth	30'
Surface Elev	NA	MP	PVC
		MP Elev	NA
		Slot Size	0.010"
		Type	PVC
		Boring Diam	3"
		Depth to GW	18.36

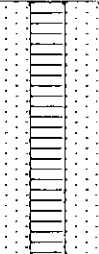
Depth	Well Log	Stratigraphs	Blow counts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Depth	PID Conc. (ppm)	Lab Sample # & Analyses
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22		SAND		50"	Brown to gray medium to fine SAND, some Silt, trace Clay, orange Sand at top of interval, dense, wet.	20'-25'	0.0	
23								
24								
25								

Key to Well Construction

	Sandpack		Well Screen		Grout
	Bentonite Seal		Cement		Native Material

DRILLING LOG for Well #:

MW-105M  ERM
 399 Boylston Street 6th Floor
 Boston, MA 02116

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		SAND		45"	Medium brown fine to very fine SAND, little brown/gray Silt, little Gravel, wet.	25'-30'	0.0	
27								
28								
29								
30	Bottom of Boring at 30' bgs							
31	<p><u>Well Construction Details</u></p> <ul style="list-style-type: none"> 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 							
32								
33								
34								
35								
36								
37								
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41								
42								
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50								
51								
52								
53								
54								

DRILLING LOG for Well #: MW-106M



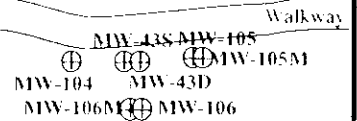
ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

SITE MAP



Building #3

Courtyard



Building #4

Notes: GW elevation measured on 11/11/02

Project:	Raytheon - Wayland	Project Number:	143.78
Client:	Raytheon	Logged by:	Viktoria Zoltay
Drilling Co.:	Geosearch, Inc	Driller:	Steven Law
Date Started:	9-Nov-02	Date Finished:	9-Nov-02
Location:	Wayland, Massachusetts	Drilling Method:	GeoProbe
Screen Diam:	1"	Length:	10'
Casing Diam:	1"	Length:	20'
Boring Depth:	30'	Well Depth:	30'
Surface Elev.:	NA	MP:	PVC
		MP Elev.:	NA
		Slot Size:	0.010"
		Type:	PVC
		Boring Diam.:	3"
		Depth to GW:	18.85

Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Depth	PID Conc (ppm)	Lab Sample # & Analyses
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22		SAND & SILT		45"	Brown to Gray medium to fine SAND and SILT, some Clay lenses, dense, saturated.	20'-25'	0.0	
23								
24								
25								

Key to Well Construction

- Sandpack
- Well Screen
- Grout
- Bentonite Seal
- Cement
- Native Material

DRILLING LOG for Well #:

MW-106M



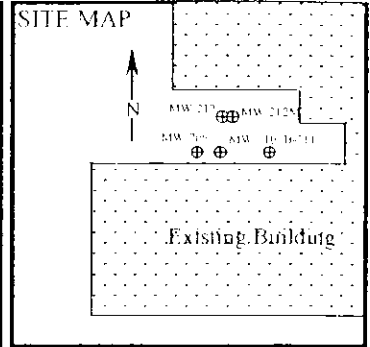
ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

Depth	Well Log	Stratigraphy	Blow counts per 6 inches	Recovers	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
26		SAND		48"	Brown medium SAND, little very fine SAND, trace coarse SAND, loose, saturated.	25'-30'	0.0	
27								
28								
29								
30	Bottom of Boring at 30' bgs							
31	<p style="text-align: center;">Well Construction Details</p> <ul style="list-style-type: none"> 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 							
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								

BORING LOG for Well #: MW-212M

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

Project:	Raytheon-Wayland	Project Number:	143 78		
Client:	Raytheon	Logged by:	Viktoria Zoltay		
Drilling Co:	GeoSearch	Driller:	Steven Law		
Date Started:	9-Nov-02	Date Finished:	9-Nov-02		
Location:	Wayland, MA	Drilling Method:	GeoProbe		
Screen Diam:	1"	Length:	10'	Slot Size:	0.010"
Casing Diam:	1"	Length:	20'	Type:	PVC
Boring Depth:	30'	Well Depth:	30'	Boring Diam:	3"
Surface Elev:	NA	MP:	TOC	Depth to GW:	18.03
		MP Elev.:	NA		



Notes: GW elevation measured on 11/11/02

Depth	Well Log	Stratigraphy	Blowcount per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PHD Conc. (ppm) spoon/HS	Lab Sample # & Analyses
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22		SAND		47"	Brown medium and fine SAND, some coarse Sand, loose, saturated.	20'-25'	0.0	
23								
24								
25								

Key to Well Construction

- Sandpack
- Well Screen
- Grout
- Bentonite Seal
- Cement
- Native Material

