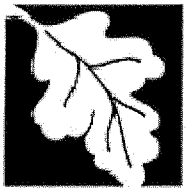


Appendix A
BWSC Form and
Public Notification



COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

3 - 22408

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

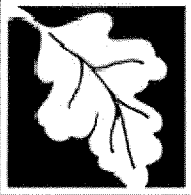
A. SITE LOCATION:

- 1. Site Name: **FORMER RAYTHEON FACILITY**
- 2. Street Address: **430 BOSTON POST RD**
- 3. City/Town: **WAYLAND** 4. ZIP Code: **01778-0000**
- 5. UTM Coordinates: a. UTM N: **4693176** b. UTM E: **304890**
- 6. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.
 - a. Tier IA b. Tier IB c. Tier IC d. Tier II
- 7. If applicable, provide the Permit Number: **W045278**

B. THIS FORM IS BEING USED TO: (check all that apply)

- 1. Submit a **Phase I Completion Statement**, pursuant to 310 CMR 40.0484.
 - 2. Submit a **Revised Phase I Completion Statement**, pursuant to 310 CMR 40.0484.
 - 3. Submit a **Phase II Scope of Work**, pursuant to 310 CMR 40.0834.
 - 4. Submit an **interim Phase II Report**. This report does not satisfy the response action deadline requirements in 310 CMR 40.0500.
 - 5. Submit a **final Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.
 - 6. Submit a **Revised Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.
 - 7. Submit a **Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.
 - 8. Submit a **Revised Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.
 - 9. Submit a **Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.
 - 10. Submit a **Modified Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.
 - 11. Submit an **As-Built Construction Report**, pursuant to 310 CMR 40.0875.
 - 12. Submit a **Phase IV Status Report**, pursuant to 310 CMR 40.0877.
 - 13. Submit a **Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.
- Specify the outcome of Phase IV activities: (check one)
- a. Phase V Operation, Maintenance or Monitoring of the Comprehensive Remedial Action is necessary to achieve a Response Action Outcome.
 - b. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
 - c. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
 - d. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

(All sections of this transmittal form must be filled out unless otherwise noted above)



**COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT**

Release Tracking Number

3 - 22408

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

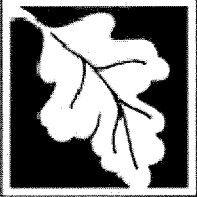
B. THIS FORM IS BEING USED TO (cont.): (check all that apply)

- 14. Submit a **Revised Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.
- 15. Submit a **Phase V Status Report**, pursuant to 310 CMR 40.0892.
- 16. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)
 - a. Type of Report: (check one) i. Initial Report ii. Interim Report iii. Final Report
 - b. Frequency of Submittal: (check all that apply)
 - i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
 - ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
 - iii. A Remedial Monitoring Report(s) submitted concurrent with a Status Report.
 - c. Status of Site: (check one) i. Phase V ii. Remedy Operation Status iii. Class C RAO
 - d. Number of Remedial Systems and/or Monitoring Programs:

A separate BWSC108A, CRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.

- 17. Submit a **Remedy Operation Status**, pursuant to 310 CMR 40.0893.
- 18. Submit a **Status Report to maintain a Remedy Operation Status**, pursuant to 310 CMR 40.0893(2).
- 19. Submit a **Modification of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(5).
- 20. Submit a **Termination of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(6).
- 21. Submit a **Phase V Completion Statement**, pursuant to 310 CMR 40.0894.
 - Specify the outcome of Phase V activities: (check one)
 - a. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement (BWSC104) will be submitted to DEP.
 - b. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
 - c. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and/or that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
- 22. Submit a **Revised Phase V Completion Statement**, pursuant to 310 CMR 40.0894.
- 23. Submit a **Post-Class C Response Action Outcome Status Report**, pursuant to 310 CMR 40.0898.

(All sections of this transmittal form must be filled out unless otherwise noted above)



COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

3 - 22408

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

C. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B indicates that a **Phase I, Phase II, Phase III, Phase IV or Phase V Completion Statement** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B indicates that a **Phase II Scope of Work or a Phase IV Remedy Implementation Plan** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B indicates that an **As-Built Construction Report, a Remedy Operation Status, a Phase IV, Phase V or Post-Class C RAO Status Report, a Status Report to Maintain a Remedy Operation Status and/or a Remedial Monitoring Report** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 2196

2. First Name: JOHN C

3. Last Name: DROBINSKI

4. Telephone: (617) 267-8377

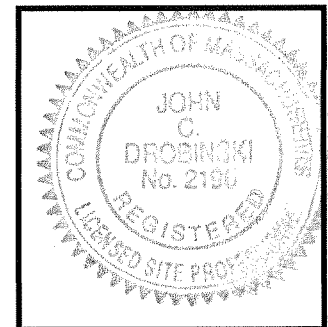
5. Ext.:

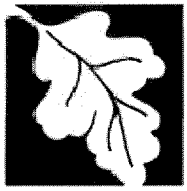
6. FAX: (617) 267-6447

7. Signature:

8. Date: 09/14/06
(mm/dd/yyyy)

9. LSP Stamp:





**COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT**

Release Tracking Number

3 - 22408

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

D. PERSON UNDERTAKING RESPONSE ACTIONS:

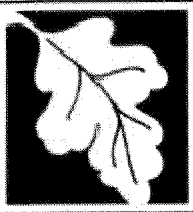
1. Check all that apply: a. change in contact name b. change of address c. change in the person undertaking response actions
2. Name of Organization: **RAYTHEON COMPANY**
3. Contact First Name: **LOUIS** 4. Last Name: **BURKHARDT**
5. Street: **880 TECHNOLOGY PARK DRIVE, MS 2-2124-01** 6. Title: **SR. ENVIRONMENTAL ENGINEER**
7. City/Town: **BILLERICA** 8. State: **MA** 9. ZIP Code: **01821-0000**
10. Telephone: **(978) 436-8238** 11. Ext.: 12. FAX: **(978) 436-8581**

E. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RESPONSE ACTIONS:

1. RP or PRP a. Owner b. Operator c. Generator d. Transporter
 e. Other RP or PRP Specify:
2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
4. Any Other Person Undertaking Response Actions Specify Relationship:

F. REQUIRED ATTACHMENT AND SUBMITTALS:

1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.
3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase III Remedial Action Plan.
4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase IV Remedy Implementation Plan.
5. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of any field work involving the implementation of a Phase IV Remedial Action.
6. If submitting a Modification of a Remedy Operation Status, check here to certify that a statement detailing the compliance history, as per 310 CMR 40.0893(5), for the person making this submittal is attached.
7. If submitting a Modification of a Remedy Operation Status, check here to certify that written consent of the person who submitted the Remedy Operation Status submittal, as per 310 CMR 40.0893(5), is attached.
8. Check here if any non-updatable information provided on this form is incorrect, e.g. Site Name. Send corrections to the DEP Regional Office.
9. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



**COMPREHENSIVE RESPONSE ACTION TRANSMITTAL
FORM & PHASE I COMPLETION STATEMENT**

Release Tracking Number

3 - 22408

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:

1. I, Louis Burkhardt, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: [Signature] Signature 3. Title: Sr. Environmental Engineer

4. For: Raytheon (Name of person or entity recorded in Section D) 5. Date: 8-11-06 (mm/dd/yyyy)

6. Check here if the address of the person providing certification is different from address recorded in Section D.

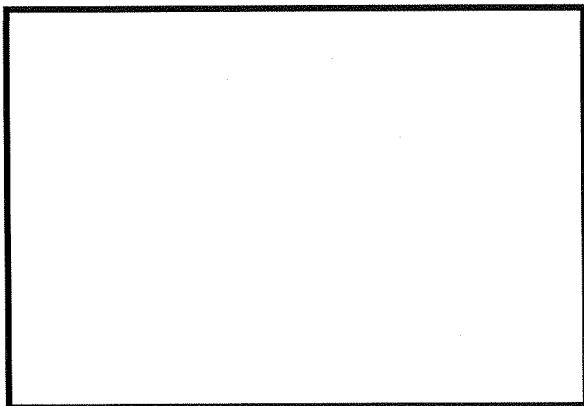
7. Street: _____

8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____

11. Telephone: _____ 12. Ext.: _____ 13. FAX: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)



NOTICE OF A PHASE IV REMEDY IMPLEMENTATION PLAN

**FORMER RAYTHEON FACILITY
430 BOSTON POST ROAD, WAYLAND, MASSACHUSETTS
RELEASE TRACKING NUMBER: 3-22408
TIER IB PERMIT #W045278**

A Phase IV Remedy Implementation Plan containing the elements required by 310 CMR 40.0874 was developed and submitted to the Massachusetts Department of Environmental Protection (DEP) for the above site pursuant to the Massachusetts Contingency Plan (310 CMR 40.0000). DEP issued a Tier IB Permit for the site.

The Phase IV Remedy Implementation Plan presents design, construction and implementation specifications to respond to a release of oil and/or hazardous material at this disposal site:

- Excavation of source area soils impacted by chlorinated volatile organic compounds; and
- Implementation of enhanced bioremediation in groundwater.

M.G.L. c. 21E and the Massachusetts Contingency Plan provide additional opportunities for public notice of and involvement in decisions regarding response actions at disposal sites: 1) The Chief Municipal Official and Board of Health of the community in which the site is located will be notified of major milestones and events, pursuant to 310 CMR 40.1403; and 2) Upon receipt of a petition from ten or more residents of the municipality in which the disposal site is located, or of a municipality potentially affected by a disposal site, a plan for involving the public in decisions regarding response actions at the site will be prepared and implemented, pursuant to 310 CMR 40.1405.

Raytheon has implemented the Public Involvement Process in accordance with MCP requirements for the site. Documents pertaining to the Site can be found at the Board of Health, the Wayland Public Library Public Involvement Plan files, or at www.ermne.com (username = Raytheon, password = wayland).

To obtain more information on this disposal site, please contact Louis J. Burkhardt, Sr. Environmental Engineer, Raytheon Company, 880 Technology Park Drive, Billerica, MA, 01821, (978) 436-8238.

Appendix B
Soil Boring Logs



ERM
 399 Boylston St. 6th Floor
 Boston, MA 02116
 Telephone: 617-646-7800
 Fax: 617-267-6447

BORING NUMBER B-515

PAGE 1 OF 1

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 2/1/06 COMPLETED 2/1/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
	32	FILL		TOPSOIL and medium to coarse sand, well sorted (poorly graded), dry, dark brown/brown.		
			1.6			
5						
	58	CL-ML		SILT some clay, poorly sorted (well graded), slightly moist, brown/gray.		
			7.9			
10						
	50	CL-ML		CLAY some silt, clay varves, poorly sorted (well graded), moist, gray.		
			12.5		6.7	.1
15						
	48	MH		SILT little clay, poorly sorted (well graded), moist, gray.		
			16.9			
		SM		SILT little fine sand, poorly sorted (well graded), slightly moist, brown/red.	107	11.5
20						
	38	SP		FINE SAND, well sorted (poorly graded), slightly moist, brown.		
			21.9		.2	.2
25				Bottom of hole at 25.0 feet.		

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



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 Boston, MA 02116
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 Fax: 617-267-6447

BORING NUMBER B-522

PAGE 1 OF 1

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 2/1/06 COMPLETED 2/1/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
	46	FILL		FILL, poorly sorted (well graded), slightly moist, brown.		
			1.4			
		CL-ML		SILT some clay, poorly sorted (well graded), slightly moist, gray.		
			2.3			
					1.1	.2
5						
	54	CL-ML		SILT little clay, poorly sorted (well graded), moist, brown/gray.		
			6.0			
		CL		CLAY trace silt, poorly sorted (well graded), slightly moist, brown/gray.		
			7.7		157	3.7
10						
	60	CL-ML		SILT some clay, poorly sorted (well graded), moist, gray.		
			12.0			
		SW-SM		FINE SAND and silt, poorly sorted (well graded), moist, gray.		
			12.5			
		SW-SM		FINE SAND and silt, poorly sorted (well graded), moist, brown/red.		
			13.0		231	46.9
15						
	64	SW-SM		FINE SAND little silt, poorly sorted (well graded), moist, brown.		
			17.5			
		SW-SM		FINE SAND some silt, poorly sorted (well graded), moist, gray.		
			18.2		.1	.1
20				Bottom of hole at 20.0 feet.		

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



ERM
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 Boston, MA 02116
 Telephone: 617-646-7800
 Fax: 617-267-6447

BORING NUMBER B-522A

PAGE 1 OF 1

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 2/1/06 COMPLETED 2/1/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
	58	FILL		FILL grading to medium to coarse sand, well sorted (poorly graded), slightly moist, dark brown/brown.		
		SW-SM		SILT little fine sand, poorly sorted (well graded), slightly moist, gray/brown.	.1	.1
				2.0		
				2.9		
5						
	90	SW		, fall in from previous boring, brown.		
				MEDIUM TO COARSE SAND little fine sand, poorly sorted (well graded), slightly moist, brown.		
				SILT little clay, trace clay, poorly sorted (well graded), slightly moist, gray/brown.		
		CL-ML			.1	.2
				9.5		
10						
	60	CL-ML		SILT some clay, poorly sorted (well graded), moist, gray.		
				11.7		
		MLS		FINE SAND little silt, poorly sorted (well graded), slightly moist, gray.	.1	.2
				13.0		
15						
	40	MLS		FINE SAND little silt, poorly sorted (well graded), slightly moist, brown.		
				16.6		
		CL-ML		SILT little clay, trace fine sand, poorly sorted (well graded), slightly moist, gray.	.1	.1
				17.0		
20				Bottom of hole at 20.0 feet.		

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



ERM
 399 Boylston St. 6th Floor
 Boston, MA 02116
 Telephone: 617-646-7800
 Fax: 617-267-6447

BORING NUMBER B-525A

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5						
6		SP		MEDIUM TO FINE SAND and some silt, poorly sorted (well graded), loose, moist, orange brown.		
6		SM		FINE SAND and silt, well sorted (poorly graded), medium stiff, moist, orange brown.	9.3	0
10		SM		FINE SANDY SILT with trace medium sand, well sorted (poorly graded), medium stiff, moist, orange brown.		
6		ML		SILT with some clay lenses, well sorted (poorly graded), medium stiff, wet, olive gray.	28.5	0.4
15		ML		SILT with some clay lenses, well sorted (poorly graded), medium stiff, wet, olive gray.		
4		SM		FINE SANDY SILT with some clay lenses, well sorted (poorly graded), medium stiff, wet, orange brown.	12.1	0.1
20						
5		SP		FINE TO MEDIUM SAND with some silt, well sorted (poorly graded), loose, wet, orange brown.		
				22.8	0	0
25				Bottom of hole at 25.0 feet.		



ERM
 399 Boylston St. 6th Floor
 Boston, MA 02116
 Telephone: 617-646-7800
 Fax: 617-267-6447

BORING NUMBER B-525B

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5		SP		MEDIUM SAND with some fine sandy silt, poorly sorted (well graded), loose, moist, orange brown.		
5		ML		SILT and fine sand, well sorted (poorly graded), medium stiff, moist, orange brown.	1.2	0
10		ML		SILT and fine sand, well sorted (poorly graded), medium stiff, very moist, orange brown.		
6		ML		SILT and some clay lenses, well sorted (poorly graded), stiff, wet, olive gray.	6.7	0.1
15		ML		SILT and some clay lenses, well sorted (poorly graded), stiff, wet, olive gray.		
6		SM		FINE SANDY SILT with some clay lenses, well sorted (poorly graded), stiff, wet, orange brown.	1.4	0
20		SP		MEDIUM TO FINE SAND and some silt, poorly sorted (well graded), loose, wet, orange brown/ Tan.		
4				22.8	0.7	0
25				Bottom of hole at 25.0 feet.		



ERM
 399 Boylston St. 6th Floor
 Boston, MA 02116
 Telephone: 617-646-7800
 Fax: 617-267-6447

BORING NUMBER B-525C

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5						
4		SP		MEDIUM TO FINE SAND, poorly sorted (well graded), loose, moist, orange brown.	0.2	0
10						
6		ML		SANDY SILT with some clay, well sorted (poorly graded), plastic, moist, light brown/gray.	6.7	0.1
15						
6		ML		SILT with some clay lenses, well sorted (poorly graded), stiff, wet, olive gray.	10.0	0.2
20						
6		SM		FINE SAND with some medium sand, well sorted (poorly graded), medium stiff, very moist, orange brown.		
6		SM		FINE SAND with some medium sand, well sorted (poorly graded), medium stiff, moist, orange brown.	1.2	0
23.5						
25				Bottom of hole at 25.0 feet.		



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BORING NUMBER B-528

PAGE 1 OF 1

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 2/1/06 COMPLETED 2/1/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
	38	FILL		FILL grading to medium to coarse sand, well sorted (poorly graded), slightly moist, dark brown/brown.		
			1.9		.2	.2
5						
	100	SW		FINE TO MEDIUM SAND trace coarse sand, poorly sorted (well graded), moist, brown.		
			6.7			
		CL-ML		CLAY little silt, poorly sorted (well graded), very dense, slightly moist, brown.		
10						
	60	CL-ML		SILT and clay, clay varves, poorly sorted (well graded), moist, gray.	.2	.1
			10.0			
		SW-SM		SILT little fine sand, poorly sorted (well graded), moist, gray.		
		CL-ML		SILT and clay, trace fine sand, poorly sorted (well graded), brown/red.	.1	.1
			12.0			
			12.5			
			13.0			
15						
	52	SW-SM		SILT some fine sand, poorly sorted (well graded), moist, brown.		
			16.3			
		SW-SM		FINE SAND trace silt, clay varves, poorly sorted (well graded), gray.		
			17.6		.2	.1
20				Bottom of hole at 20.0 feet.		

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



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BORING NUMBER B-529

PAGE 1 OF 1

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 1/31/06 COMPLETED 1/31/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5	100	FILL		5.5 FILL grading to medium sand, well sorted (poorly graded), brown. SILT some fine sand, trace clay, poorly sorted (well graded), moist, brown.		
		SW-SM		7.5 SILT some clay, grey clay varves, poorly sorted (well graded), moist, brown.		
10		CL-ML		10.0 SILT and clay, poorly sorted (well graded), moist, gray.	1659 1082	307 88.7
	57	CL-ML		11.8 SILT some fine sand, poorly sorted (well graded), moist, gray.		
		SW-SM		12.2 FINE SAND some silt, poorly sorted (well graded), gray.		
		SW-SM		12.6 FINE SAND some silt, poorly sorted (well graded), gray.		
		SW-SM		12.9 MEDIUM SAND and silt, trace clay, poorly sorted (well graded), brown.		
15		SW-SM		15.5 SILT some fine sand, trace clay, poorly sorted (well graded), moist, brown.		
	56	SW-SM		16.0 FINE SAND some silt, trace clay, poorly sorted (well graded), moist, brown.		
		SW-SM		16.5 SILT little fine sand, poorly sorted (well graded), moist, brown.		
		SW-SM		FINE SAND trace silt, poorly sorted (well graded), moist, brown.		
		SW-SM		17.8	.6	.4
20				Bottom of hole at 20.0 feet.		

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BORING NUMBER B-530

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 1/31/06 COMPLETED 1/31/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5	100	SP		MEDIUM SAND, well sorted (poorly graded), moist, brown.		
		SW-SM		SILT little fine sand, poorly sorted (well graded), moist, brown.		
		CL-ML		SILT little clay, poorly sorted (well graded), plastic, moist, brown.		
		CL-ML		SILT some clay, poorly sorted (well graded), plastic, moist, brown.		
10	65	CL-ML		SILT and clay, clay varves, poorly sorted (well graded), plastic, moist, brown.	104	22.3
		CL-ML		CLAY some silt, poorly sorted (well graded), plastic, moist, gray.	23.8	16.4
		SW-SM		SILT trace fine sand, poorly sorted (well graded), moist, brown.		
15	58	SW-SM		SILT little fine sand, trace medium sand, poorly sorted (well graded), moist, brown.		
		CL-ML		SILT trace clay, clay varves, poorly sorted (well graded), moist.		
20				Bottom of hole at 20.0 feet.	.3	.3

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



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BORING NUMBER B-530A

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CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 2/1/06 COMPLETED 2/1/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
	47			FILL, brown.		
			2.4			
5						
	84	SW		5.5 FINE TO MEDIUM SAND, poorly sorted (well graded), moist, dark brown.		
		SP		6.5 MEDIUM SAND, well sorted (poorly graded), moist, brown.		
		SW-SM		7.5 FINE SAND and silt, poorly sorted (well graded), moist, brown/gray.		
		CL-ML		9.2 SILT some clay, poorly sorted (well graded), moist, gray.	.6	1.2
10						
	76	CL-ML		SILT some clay, trace fine sand, poorly sorted (well graded), moist, gray/brown.		
		CL-ML		12.7 SILT little clay, bottom 1" iron oxide coloring, poorly sorted (well graded), moist, brown.	1.6	1.4
				13.8		
15						
	62	CL-ML		SILT little clay, bottom 2" iron oxide coloring, poorly sorted (well graded), moist, brown.		
				18.1		
20				Bottom of hole at 20.0 feet.	.1	.1

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BORING NUMBER B-530B

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5						
7		SP		FINE SANDY SILT with some clay lenses, well sorted (poorly graded), medium stiff, moist, orange brown.	3.3	0
10		SP		FINE SAND and silt, well sorted (poorly graded), medium stiff, moist, orange brown.		
7		ML		SILT with some clay lenses, well sorted (poorly graded), stiff, wet, olive gray.	10.3	4.9
15		SP		FINE SILTY SAND with some clay lenses, well sorted (poorly graded), medium stiff, wet, orange brown.	0	0.4
18.4						
20				Bottom of hole at 20.0 feet.		

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BORING NUMBER B-530C

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5						
6		SP		MEDIUM TO FINE SAND with trace silt, moderately sorted, loose, moist, orange brown. FINE SAND and silt, well sorted (poorly graded), medium stiff, wet, orange brown.	2.7	2.4
10						
6		SP		FINE SAND and silt, well sorted (poorly graded), medium stiff, wet, orange brown.		
		ML		SILT and some fine sand, well sorted (poorly graded), stiff, wet, olive gray.	4.0	0.4
15						
6		SP		FINE SAND and silt, well sorted (poorly graded), medium stiff, wet, orange brown.	0	0
18.3						
20				Bottom of hole at 20.0 feet.		

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BORING NUMBER B-531

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 1/31/06 COMPLETED 1/31/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5	100	FILL		FILL grading to fine to medium sand, well sorted (poorly graded), moist, dark brown/brown.	1.7	0
		CL-ML		SILT little clay, poorly sorted (well graded), moist, gray.		
		SW		FINE TO MEDIUM SAND, poorly sorted (well graded), brown.		
		CL-ML		SILT some clay, poorly sorted (well graded), moist, brown.		
10	74	CL-ML		SILT little clay, poorly sorted (well graded), medium loose, brown.		
		CL-ML		CLAY little silt, poorly sorted (well graded), moist, gray.		
		SW-SM		SILT little fine sand, little clay, poorly sorted (well graded), moist, gray.	23.4	.1
		SW-SM		FINE SAND little silt, trace clay, poorly sorted (well graded), moist, gray.		
15	60	SW-SM		FINE SAND little silt, trace clay, poorly sorted (well graded), moist, gray.	24.9	.2
		SW-SM		FINE SAND trace silt, poorly sorted (well graded), moist, brown.		
		SW-SM		FINE SAND some silt, little clay, clay varves, poorly sorted (well graded), moist, brown.		
20	30	SW		FINE SAND little medium sand, poorly sorted (well graded), moist, brown/red.		
		SP		FINE SAND, well sorted (poorly graded), moist, brown.	1	.2
25				Bottom of hole at 25.0 feet.		

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BORING NUMBER B-531A

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 1/31/06 COMPLETED 1/31/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0	50	FILL		FILL grading to fine to medium sand, well sorted (poorly graded), brown.	.8	.2
			2.5			
5	100	SW		FINE TO MEDIUM SAND, poorly sorted (well graded), moist, brown.		
			6.9			
		SW-SM		SILT little fine sand, poorly sorted (well graded), moist, brown.	1.6	.2
10	64	CL-ML		SILT little clay, grey clay varves, poorly sorted (well graded), moist, brown.		
			13.2		15	4.9
15	62	CL-ML		SILT trace clay, poorly sorted (well graded), moist, brown.		
			16.7			
		SW-SM		FINE SAND trace silt, poorly sorted (well graded), brown.		
			18.1		16.9	.1
20				Bottom of hole at 20.0 feet.		

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



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BORING NUMBER B-531B

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 1/31/06 COMPLETED 1/31/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5	100	SP		MEDIUM SAND, well sorted (poorly graded), moist, brown.		
			6.6			
		SW-SM		FINE SAND little silt, poorly sorted (well graded), moist, brown.		
		SW-SM		SILT little fine sand, poorly sorted (well graded), moist, brown.		
		SW-SM		SILT some clay, little fine sand, poorly sorted (well graded), slightly moist, gray/brown.		
10	60	CL-ML			3.5	.2
		SW-SM		SILT and fine sand, poorly sorted (well graded), moist, gray/brown.		
		SW-SM		FINE SAND little silt, poorly sorted (well graded), moist, gray.		
		SW-SM		FINE SAND and silt, bottom 2" iron oxide coloring, poorly sorted (well graded), gray.	16.5	.3
15	60	CL-ML		SILT and clay, dark gray clay varves, poorly sorted (well graded), moist, gray/brown.		
		SP		FINE SAND, well sorted (poorly graded), moist, gray.		
		SW-SM		FINE SAND some silt, trace clay, poorly sorted (well graded), moist, gray.	7	
20				Bottom of hole at 20.0 feet.		

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



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BORING NUMBER B-531C

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
3		SM		SILTY SAND and some gravel, poorly sorted (well graded), loose, slightly moist, brown.	-	0
5		SP		MEDIUM TO FINE SAND, well sorted (poorly graded), loose, moist, orange brown.		
8		ML		SILT with some fine sand, well sorted (poorly graded), medium stiff, moist, olive gray.		
8		SM		FINE TO MEDIUM SAND with trace silt, moderately sorted, medium stiff, moist, orange brown/ Tan.	0	0
8		ML		SILT with some fine sand, well sorted (poorly graded), stiff, moist, olive gray.		
10		SM		MEDIUM SAND with fine sand, poorly sorted (well graded), loose, wet, orange brown/ Tan.		
15		ML		SILT with some fine sand, moderately sorted, stiff, very moist, olive gray.	0	0
15		ML		SILT with some fine sand, well sorted (poorly graded), stiff, wet, olive gray.		
20		ML		FINE SANDY SILT with some clay lenses, well sorted (poorly graded), stiff, moist, orange brown.	10.0	3.6
25		SM		FINE SAND with some medium sand, well sorted (poorly graded), loose, wet, orange brown/ Tan.		
23.0					0.3	0
25				Bottom of hole at 25.0 feet.		



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BORING NUMBER B-531D

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
3		SM SP		SILTY SAND and some gravel, poorly sorted (well graded), loose, slightly moist, brown. MEDIUM SAND with some fine sand, poorly sorted (well graded), loose, slightly moist, orange brown.	-	0
5		SP		MEDIUM TO FINE SAND and some silty sand, poorly sorted (well graded), medium stiff, moist, orange brown.		
7		SP ML		MEDIUM SAND and some fine sandy silt, poorly sorted (well graded), loose, moist, orange brown/ Tan. FINE SAND and silt, well sorted (poorly graded), stiff, moist, olive gray.	0.2	0
10		ML		SILT and fine sand, moderately sorted, stiff, moist, olive gray.		
8		ML			2.8	0
15		ML		SILT with some clay lens, well sorted (poorly graded), stiff, moist, olive gray.		
6		ML		FINE SANDY SILT with some clay lens, well sorted (poorly graded), stiff, moist, orange brown.	14.3	0.4
20		SP		FINE SAND and some medium sand, well sorted (poorly graded), stiff, wet, orange brown.		
5				22.8	0.2	1.7
25				Bottom of hole at 25.0 feet.		



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BORING NUMBER B-531E

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
4		SM SP		SILTY SAND and some gravel, poorly sorted (well graded), loose, slightly moist, brown. MEDIUM SAND, well sorted (poorly graded), loose, moist, orange brown.	-	0
5						
6		SP ML		MEDIUM SAND with some silty sand, well sorted (poorly graded), medium dense, moist, orange brown. FINE SAND and silt, well sorted (poorly graded), stiff, moist, olive gray.	0.1	0
10						
8		ML ML		FINE SAND and silt, well sorted (poorly graded), medium stiff, moist, orange brown. SILT with some fine sand, well sorted (poorly graded), medium stiff, wet, gray.	6.7	0.1
15						
5		ML SM		SILT with some fine sand, well sorted (poorly graded), medium stiff, wet, grey. FINE SANDY SILT grading to fine sand, poorly sorted (well graded), medium stiff, wet, orange brown.	10.0	5.6
20						
5		SP		FINE SAND with some medium sand, well sorted (poorly graded), loose, wet, tan/ orange brown.	1.2	0
22.9						
25				Bottom of hole at 25.0 feet.		



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BORING NUMBER B-531F

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 4/14/06 COMPLETED 4/14/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Moore CHECKED BY _____ GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5						
6		SP		MEDIUM TO FINE SAND with some silt, moderately sorted, loose, wet, orange brown.	0	0
10		ML		FINE SANDY SILT with some clay lenses, well sorted (poorly graded), medium stiff, wet, olive gray.		
7		ML		SILT with some clay lenses, well sorted (poorly graded), stiff, wet, olive gray.	0.8	0
15		ML		SILT with some clay lenses, well sorted (poorly graded), stiff, wet, olive gray.		
5		SP		MEDIUM SAND with some fine sand, well sorted (poorly graded), loose, wet, orange brown.	4.2	.3
18.3						
20				Bottom of hole at 20.0 feet.		







WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



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BORING NUMBER B-534

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 1/31/06 COMPLETED 1/31/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5						
10	60	CL-ML		SILT some clay, clay varves, well sorted (poorly graded), plastic, moist, gray.		
				11.5		
		CL-ML		SILT little clay, poorly sorted (well graded), plastic, moist, gray.	10.5	1.8
				13.0		
15	56	CL-ML		SILT little clay, clay varves, poorly sorted (well graded), plastic, moist, gray.		
				17.7	30	13.5
		SP		FINE SAND, well sorted (poorly graded), moist, brown/red.		
				17.8		
20	40	SP		FINE SAND, well sorted (poorly graded), moist, brown/gray.		
				22.0	11.4	18.5
25	30	SW-SM		FINE SAND little silt, poorly sorted (well graded), moist, gray.		
				26.5	.6	1.8
30						

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06






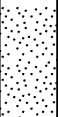
Bottom of hole at 30.0 feet.



ERM
 399 Boylston St. 6th Floor
 Boston, MA 02116
 Telephone: 617-646-7800
 Fax: 617-267-6447

BORING NUMBER B-534A

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 1/31/06 COMPLETED 1/31/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
5	87	SP		5.5 MEDIUM SAND, well sorted (poorly graded), moist, brown.		
		CL-ML		CLAY little silt, trace fine sand, poorly sorted (well graded), plastic, moist, brown.		
10			9.4			1.2
	60	CL-ML		CLAY some silt, poorly sorted (well graded), plastic, moist, gray.		
		SW-SM		11.6 SILT little fine sand, trace clay, poorly sorted (well graded), moist, gray.	25.7	19
15						
	40	SW-SM		17.0 SILT little fine sand, clay varves, poorly sorted (well graded), moist, gray.	134	.4
20						
	50	SP		22.5 FINE SAND, well sorted (poorly graded), moist, brown.	.1	.2
25				Bottom of hole at 25.0 feet.		

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06



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BORING NUMBER B-534B

CLIENT Raytheon - Wayland PROJECT NAME Northern Area Soil Sampling
 PROJECT NUMBER 0043036 PROJECT LOCATION Wayland, MA
 DATE STARTED 2/1/06 COMPLETED 2/1/06 GROUND ELEVATION - WELL/BORING DIAMETER 1.75
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION (ft) _____
 DRILLING METHOD Geoprobe GROUNDWATER ELEVATION (ft) _____
 LOGGED BY Regan CHECKED BY Regan GROUNDWATER ELEVATION DATE _____
 NOTES _____

WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
0						
	48	FILL		FILL grading to medium to coarse sand, dark brown/brown.		
5						
	100	SW		MEDIUM SAND some fine sand, poorly sorted (well graded), slightly moist, brown.		
		CL-ML		CLAY some silt, poorly sorted (well graded), brown.		
10						
	50	CL-ML		SILT some clay, clay varves, poorly sorted (well graded), moist, gray.		
		SW-SM		SILT and fine sand, trace clay, poorly sorted (well graded), moist, gray.		
					.3	.1
15						
	48	SW-SM		SILT and fine sand, poorly sorted (well graded), moist, gray.		
		SW-SM		FINE SAND little silt, poorly sorted (well graded), moist, gray.		
					.2	.1
20						
	56	SW		FINE SAND, poorly sorted (well graded), very moist, gray.		
					.1	.2
25				Bottom of hole at 25.0 feet.		