Appendix A BWSC Form and Public Notification

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC108
	Release Tracking Number
COMPREHENSIVE RESPONSE ACTION TRANSMITTAL	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	Э.
🔲 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 <b>Phase I Completion Statement</b> , pursuant to 310 CMR 40.0484.	
2. Submit a <b>Revised Phase I Completion Statement</b> , pursuant to 310 CMR 40.0484.	
3. Submit a <b>Phase II Scope of Work</b> , pursuant to 310 CMR 40.0834.	
4. Submit an <b>interim Phase II Report</b> . This report does not satisfy the response action deadline 40.0500.	ne requirements in 310 CMR
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 40.083	6.
7. Submit a Phase III Remedial Action Plan and Completion Statement, pursuant to 310 CMR	,
8. Submit a Revised Phase III Remedial Action Plan and Completion Statement, pursuant to	
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	
10. 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 <b>Phase IV Completion Statement</b> , 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.	
<ul> <li>b. The requirements of a Class A Response Action Outcome have been met. No addition</li> <li>Monitoring is necessary to ensure the integrity of the Response Action Outcome. A comple</li> <li>Outcome Statement and Report (BWSC104) will be submitted to DEP.</li> </ul>	
<ul> <li>c. The requirements of a Class C Response Action Outcome have been met. No addition</li> <li>Monitoring is necessary to ensure the integrity of the Response Action Outcome. A complete Outcome Statement and Report (BWSC104) will be submitted to DEP.</li> </ul>	
<ul> <li>d. The requirements of a Class C Response Action Outcome have been met. Further Operation Monitoring of the remedial action is necessary to ensure that conditions are maintained are made toward a Permanent Solution. A completed Response Action Outcome Statement are be submitted to DEP.</li> </ul>	nd that further progress is
(All sections of this transmittal form must be filled out unless otherwise note	ed above)

R	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC108
	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)	
processing (	RM IS BEING USED TO (cont.): (check all that apply)	0070
Constant Colo	ubmit a <b>Revised Phase IV Completion Statement</b> , pursuant to 310 CMR 40.0878 and 40	.0879.
	ubmit a <b>Phase V Status Report</b> , pursuant to 310 CMR 40.0892.	
·	ubmit a <b>Remedial Monitoring Report</b> . (This report can only be submitted through eDEP.)	™* -1 D4
		Final Report
D. Free	quency of Submittal: (check all that apply) ] i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard	4
L	ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Subs	
	iii. A Remedial Monitoring Report(s) submitted concurrent with a Status Report.	-
c. Stat	tus of Site: (check one)	iii. Class C RAO
	mber of Remedial Systems and/or Monitoring Programs:	
A sep	arate BWSC108A, CRA Remedial Monitoring Report, must be filled out for each Remedia am addressed by this transmittal form.	Il System and/or Monitoring
17. S	ubmit a <b>Remedy Operation Status</b> , pursuant to 310 CMR 40.0893.	
g	ubmit a <b>Status Report to maintain a Remedy Operation Status</b> , pursuant to 310 CMR 40	.0893(2).
permitten a	ubmit a <b>Modification of a Remedy Operation Status</b> , pursuant to 310 CMR 40.0893(5).	
demonstration of the second se	ubmit a <b>Termination of a Remedy Operation Status</b> , pursuant to 310 CMR 40.0893(6).	
Demonstration	ubmit a <b>Phase V Completion Statement</b> , pursuant to 310 CMR 40.0894.	
former sweev?	fy the outcome of Phase V activities: (check one)	
	. The requirements of a Class A Response Action Outcome have been met. No addition	al Operation, Maintenance or
[] N	Ionitoring is necessary to ensure the integrity of the Response Action Outcome. A comple Outcome Statement (BWSC104) will be submitted to DEP.	•
[] N	The requirements of a Class C Response Action Outcome have been met. No addition donitoring is necessary to ensure the integrity of the Response Action Outcome. A comple 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 of the remedial action is necessary to ensure that conditions are maintained are nade toward a Permanent Solution. A completed Response Action Outcome Statement are submitted to DEP.	nd/or that further progress is
22. S	ubmit a <b>Revised Phase V Completion Statement</b> , pursuant to 310 CMR 40.0894.	
23. S	ubmit a Post-Class C Response Action Outcome Status Report, pursuant to 310 CMR 4	0.0898.
	(All sections of this transmittal form must be filled out unless otherwise note	d above)



## Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTA	L
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, (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, (iii) 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) 2	67-6447
7. Signature:		
8. Date: 00/90/06 (mm/dd/yyyy)	9. LSP Stamp:	A NHOL S
		C. DROBINGKI No. 2190 SITE PRO

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup BWSC108
Release Tracking Number
COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT 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 action
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 PRPa. Ownerb. Operator ✓ c. Generatord. 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:
<ol> <li>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.</li> </ol>
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 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 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.

Massachusetts Department of Environmental	Protection
Bureau of Waste Site Cleanup	BWSC108
COMPREHENSIVE RESPONSE ACTION TRAI	NSMITTAL Release Tracking Number
FORM & PHASE I COMPLETION STATEMENT	3 - 22408
Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart	art H)
G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:	
1. I, Louis Burkhardt , attest under the pains and examined and am familiar with the information contained in this submittal, includi transmittal form, (ii) that, based on my inquiry of those individuals immediately res material information contained in this submittal is, to the best of my knowledge an that I am fully authorized to make this attestation on behalf of the entity legally resp entity on whose behalf this submittal is made am/is aware that there are significal possible fines and imprisonment, for willfully submitting false, inaccurate, or incom	sponsible for obtaining the information, the nd belief, true, accurate and complete, and (iii) ponsible for this submittal. I/the person or nt penalties, including, but not limited to, mplete information.
2. By: for Bright on Signature 4. For: Ray the on (Name of person or entity recorded in Section D)	3. Title: Sr. Environmental Engineer
0 Signature	
4. For: Raytheon	5. Date: $5 - 11 - 06$
(Name of person or entity recorded in Section D)	(mm/dd/yyyy)
6. Check here if the address of the person providing certification is different f	from address recorded in Section D.
7. Street:	
8. City/Town: 9. State:	10. ZIP Code:
11. Telephone: 12. Ext.: 13. FA	X:
YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURAN BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIB SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUM SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR M	LY COMPLETE ALL RELEVANT IENT AS INCOMPLETE. IF YOU
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 <u>www.ermne.com</u> (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

ER		Bost Tele	Boylsto on, MA phone:	on St. 6th Floor \ 02116 : 617-646-7800 267-6447		BORING NUMBER PA	<b>R B-</b> (GE 1		
CLIE	NT R					PROJECT NAME Northern Area Soil Sampling			
PRO.		UMBE	<b>R</b> _00	43036		PROJECT LOCATION Wayland, MA			
DATE		TED	2/1/06	6	<b>COMPLETED</b> 2/1/06		ETER _	1.75	
DRIL	LING C	ONTR	АСТО	R Geosearch		MEASURING POINT ELEVATION (ft)			
DRIL	LING N	IETHC	D Ge	eoprobe					
LOG	GED B	/ _Re	gan		CHECKED BY Regan	GROUNDWATER ELEVATION DATE			
NOTE	ES					_			
o DEPTH (ft)	RE	U.S.C.S.	GRAPHIC LOG			MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)	
	32	FILL	<u></u>		TOPSOIL and medium to coarse	sand, well sorted (poorly graded), dry, dark brown/brown.			
				1.6	SILT some clay, poorly sorted (we	ell graded), slightly moist, brown/gray.			
		CL- ML		7.9					
		CL- ML		12.5		ty sorted (well graded), moist, gray.	6.7	.1	
	48	ΜΗ			SILT little clay, poorly sorted (well	graded), moist, gray.			
99-		SM		16.9	SILT little fine cond poorty control	(well graded) eligibily moist brown/red	<u>1</u> 07	11.5	
02RINGS.GPJ 4/28/		UNI UNI	<u>14144</u>		FINE SAND, well sorted (poorly g	(well graded), slightly moist, brown/red.			
RN AREA SOIL B		SP		21.9			.2	.2	
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06	-					Bottom of hole at 25.0 feet.			

ER	) M	Bost Tele	Boylsto on, MA phone:	on St. 6th Floor 02116 617-646-7800 267-6447			BOI	RING NUMBER PA	<b>R B-</b> ( .GE 1	
CLIEN	IT Ra	ytheo	n - Wa	yland			_ PROJECT NAME _Northern Area Soil S	ampling		
PROJ	ECT N	UMBE	<b>R</b> _00	43036			PROJECT LOCATION Wayland, MA			
DATE	STAR	TED	2/1/06	6	COMPLETED	2/1/06	GROUND ELEVATION	WELL/BORING DIAME	ETER _	1.75
DRILL	ING C	ONTR	АСТО	R Geosearch			MEASURING POINT ELEVATION (ft)			
DRILL	ING N	ETHC	<b>D</b> _Ge	eoprobe			GROUNDWATER ELEVATION (ft)			
LOGO	ED B	/ <u>Re</u>	gan		CHECKED BY	Regan	_ GROUNDWATER ELEVATION DATE _			
NOTE	s						_			
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG				MATERIAL DESCRIPTION		PID-headspace (ppm)	PID-scan (ppm)
	46	FILL			FILL, poorly sorted (well graded), slightly moist, brown.					
		CL-		1.4	SILT some clay	v, poorly sorted (we	ell graded), slightly moist, gray.		<u> </u>	
		ML		2.3					1.1	.2
5	_54_	CL- ML		6.0	-		graded), moist, brown/gray.			
		CL		7.7	CLAY trace silt	, poorly sorted (we	ll graded), slightly moist, brown/gray.		157	3.7
    15	60	CL- ML SW- SW- SW- SM		12.0 12.5 13.0	FINE SAND an FINE SAND an	d silt, poorly sorted d silt, poorly sorted	ell graded), moist, gray. d (well graded), moist, gray. d (well graded), moist, brown/red.		<u></u> 31	46.9
 9	64	SW- SM		17 5	FINE SAND litt	le silt, poorly sorted	d (well graded), moist, brown.			
		SW-		17.5 18.2	FINE SAND so	me silt, poorly sort	ed (well graded), moist, gray.		1	.1
20							Bottom of hole at 20.0 feet.			

	9	Bost Tele	Boylst ton, M/ phone	on St. 6th Floor A 02116 : 617-646-7800	BORING NUMBER E	<b>3-52</b> Ge 1	
				267-6447	PROJECT NAME _ Northern Area Soil Sampling		
				43036	PROJECT LOCATION _ Wayland, MA		
				6 <b>COMPLETED</b> 2/1/0		TFR	1 75
				R Geosearch			
				eoprobe			
					an GROUNDWATER ELEVATION (it)		
			-				
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
-	- 58	FILL		FILL grading to medi brown/brown. 2.0	um to coarse sand, well sorted (poorly graded), slightly moist, dark		
-		SW- SM			poorly sorted (well graded), slightly moist, gray/brown.	— —.1	.1
- 5	- 		\$* <b>\$</b> *\$*	5.5 , fall in from previous	boring, brown.		
F	-	300			SE SAND little fine sand, poorly sorted (well graded), slightly moist, brown. clay, poorly sorted (well graded), slightly moist, gray/brown.	_	
-	-	CL- ML				.1	.2
<u>    10</u> -	60	CL- ML		SILT some clay, poor	rly sorted (well graded), moist, gray.		
		MLS			poorly sorted (well graded), slightly moist, gray.	1	.2
- 15	40	MLS		FINE SAND little silt,	poorly sorted (well graded), slightly moist, brown.		
٥		CL-		16.6 17.0 SILT little clay trace	fine sand, poorly sorted (well graded), slightly moist, gray.	1	.1
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06	-	<u>ML</u>			Bottom of hole at 20.0 feet.	~ . 1	
WAYLA							

F	) M	Bost Tele	Boylsto on, MA phone:	DI St. 6th Floor A 02116 2617-646-7800 267-6447	<b>B-52</b> Ge 1					
CLIE	NT R				PROJECT NAME Northern Area Soil Sampling					
		-			PROJECT LOCATION Wayland, MA					
DRIL	LING C	ONTR	АСТО	R _Geosearch MEASURING POINT ELEVATION (ft)						
				coprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft)						
				CHECKED BY GROUNDWATER ELEVATION DATE						
NOT	ES		1			1				
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)				
-	-									
5 	- 6	SP		MEDIUM TO FINE SAND and some silt, poorly sorted (well graded), loose, moist, orange brown.	9.3	0				
- - 10	-	SM		FINE SAND and silt, well sorted (poorly graded), medium stiff, moist, orange brown. FINE SANDY SILT with trace medium sand, well sorted (poorly graded), medium stiff,						
	- 6	SM ML		moist, orange brown. SILT with some clay lenses, well sorted (poorly graded), medium stiff, wet, olive gray.	28.5	0.4				
- 15	-									
- 00		ML SM		SILT with some clay lenses, well sorted (poorly graded), medium stiff, wet, olive gray. FINE SANDY SILT with some clay lenses, well sorted (poorly graded), medium stiff, wet, orange brown.						
RINGS.GPJ 4/28	4				12.1	0.1				
AREA SOIL BOI	- 5	SP		FINE TO MEDIUM SAND with some silt, well sorted (poorly graded), loose, wet, orange brown.	0	0				
A NORTHERN										
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 428/06				Bottom of hole at 25.0 feet.						
WAYLAND										

F		2	Bost Tele	Boylsto on, MA phone:	ton St. 6th Floor BOI A 02116 2: 617-646-7800 267-6447	RING NUMBER B	8 <b>-52</b> ∈ 1 (	-			
	IENT	r Ra				PROJECT NAME Northern Area Soil Sampling					
PR	OJE	CT N	UMBE	<b>R</b> _00	· · · · · · · · · · · · · · · · · · ·	DDO IFOT LOCATION Manda MA					
DA	TE S	STAR	TED	4/14/0	06 COMPLETED _4/14/06 GROUND ELEVATION	WELL/BORING DIAMET	ER _	1.75			
DF	RILLII	NG C	ONTR	АСТО	DR _Geosearch MEASURING POINT ELEVATION (ft						
DF	RILLII	NG M	ЕТНО	<b>D</b> <u>G</u>	eoprobe 6610DT (Truck) GROUNDWATER ELEVATION (ft)						
LC	GGE	ED BN	Mo	ore	CHECKED BY GROUNDWATER ELEVATION DATE						
NC	DTES	;									
	( <b>t</b> )	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		PID-headspace (ppm)	PID-scan (ppm)			
-	-										
-	5	5	SP		MEDIUM SAND with some fine sandy silt, poorly sorted (well graded), loose orange brown.		1.2	0			
- 1	0		ML		SILT and fine sand, well sorted (poorly graded), medium stiff, moist, orange SILT and fine sand, well sorted (poorly graded), medium stiff, very moist, or						
-	-	6	ML ML		SILT and some clay lenses, well sorted (poorly graded), stiff, wet, olive gray		6.7	0.1			
-	5		ML		SILT and some clay lenses, well sorted (poorly graded), stiff, wet, olive gray						
RINGS.GPJ 4/28/0	0	6	SM		brown.		1.4	0			
ERN AREA SOIL BO	-	4	SP		MEDIUM TO FINE SAND and some silt, poorly sorted (well graded), loose, brown/ Tan.		0.7	0			
	5				Bottom of hole at 25.0 feet.	-					
WAYLAND NORTHERN AREA SOIL BORINGS.GPJ 428/06											

		ERM 399 Boylston St. 6th Floor Boston, MA 02116 Telephone: 617-646-7800 Telephone: 617-646-7800									
	ER	Μ	Fax:	617-2	267-6447						
			-	n - Wa							
					43036						
						GROUND ELEVATION WELL/BORING DIAME					
- I.						MEASURING POINT ELEVATION (ft)					
- I.						GROUNDWATER ELEVATION (ft)					
						GROUNDWATER ELEVATION DATE					
┟	NOTE	s				_					
	o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)			
		4	SP		MEDIUM TO FINE SAND, poorly	sorted (well graded), loose, moist, orange brown.	0.2	0			
	<u>10</u> 	6	ML		SANDY SILT with some clay, wel	l sorted (poorly graded), plastic, moist, light brown/gray.	6.7	0.1			
RINGS.GPJ 4/28/06		6	ML		SILT with some clay lenses, well s	sorted (poorly graded), stiff, wet, olive gray.	10.0	0.2			
SOIL BOR			SM		FINE SAND with some medium s orange brown.	and, well sorted (poorly graded), medium stiff, very moist,					
DRTHERN AREA	-	6	SM		FINE SAND with some medium s brown. 23.5	and, well sorted (poorly graded), medium stiff, moist, orange	1.2	0			
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06	25					Bottom of hole at 25.0 feet.					
WAYLAND											

FD	ERM 399 Boylston St. 6th Floor Boston, MA 02116 Telephone: 617-646-7800 Fax: 617-267-6447									
	NT Ra					PROJECT NAME Northern Area Soil Sampling				
		-		043036		PROJECT LOCATION Wayland, MA				
					COMPLETED 2/1/06		TER	1.75		
						GROUNDWATER ELEVATION DATE				
							r	-		
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG			MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)		
	38	FILL	KXXX	1.9	FILL grading to medium to coarse brown/brown.	sand, well sorted (poorly graded), slightly moist, dark	2	.2		
 	100	SW		6.7		parse sand, poorly sorted (well graded), moist, brown. graded), very dense, slightly moist, brown.				
- ·	- CL- ML	ML 10.0		10.0	SILT and clay, clay varves, poorly	sorted (well graded), moist, gray.	2	1		
		CL- ML		12.0						
	]	SW-		12.5	SILT little fine sand, poorly sorted	(well graded), moist, gray. orly sorted (well graded), brown/red.	<b>—</b> .			
- ·	-	CL- ML		10.0	Sich and day, trace line sand, por	ony sorted (weir graded), brownned.	1	.1		
	52	SW- SM		16.3	SILT some fine sand, poorly sorte	d (well graded), moist, brown.				
	-	SW- SM		17.6	FINE SAND trace silt, clay varves,	, poorly sorted (well graded), gray.	2	.1		
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06						Bottom of hole at 20.0 feet.				
WAYLA										

FR	ERM 399 Boylston St. 6th Floor Boston, MA 02116 Telephone: 617-646-7800 Fax: 617-267-6447 BORING NUMBER B-5 PAGE 1 O									
	NT Ra					PROJECT NAME _ Northern Area Soil Sampling				
		-		43036		PROJECT LOCATION _ Wayland, MA				
					<b>COMPLETED</b> 1/31/06		ETER	1.75		
							_			
					CHECKED BY Regan					
	NOTES									
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG			MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)		
- ·	-									
	100			5.5	FILL grading to medium sand, well SILT some fine sand, trace clay, po	sorted (poorly graded), brown. porly sorted (well graded), moist, brown.	_			
	SILT some fine sand, trace clay, poorly sorted (well graded), moist, brown.									
SM [***]* ********************************										
	1	CL-			SILT Some day, grey day varves, p	boony solled (weil graded), moist, brown.				
-	-	ML	∕IL				1659	0.07		
10	57			10.0				307 88.7		
	-	CL- ML								
		SW-		11.8 12. <u>2</u>	SILT come fine cand, nearly corted	I (well graded), moist, gray.	+			
		SM		12.6 12.9	FINE SAND some silt, poorly sorted	d (well graded), gray.	1/2			
Γ	7	SW- SM		(12.3)	MEDIUM SAND and silt, trace clay	, poorly sorted (well graded), brown.	₽			
	1	SW- SM								
15	56	SW-		15.5	SILT some fine sand, trace clay, po	porly sorted (well graded), moist, brown.				
-	-	<u>SM</u> SW-		16.0 16.5		boorly sorted (well graded), moist, brown.				
- 9	_	<u>SM</u> SW-		10.0	FINE SAND trace silt, poorly sorted					
4/28/		SM		17. <u>8</u>			.6	.4		
GPJ		SW- SM								
	1									
120 120	1					Bottom of hole at 20.0 feet.				
SOIL										
REA 8										
RN AF										
Ë										
NOR										
REA										
RNA										
LIHE										
NOR										
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS GPJ 4/28/06										
WAY										

ER		Bost Tele	Boylsto on, MA phone:	on St. 6th Floor A 02116 : 617-646-7800 267-6447	BORING NUMBER PA	<b>R B-</b> ( AGE 1	
CLIE	NT Ra	iytheo	n - Wa	yland	PROJECT NAME Northern Area Soil Sampling		
PRO.	JECT N	UMBE	<b>R</b> 00	043036	PROJECT LOCATION _ Wayland, MA		
DATE		TED	1/31/0	06 COMPLETED _1/31/06	GROUND ELEVATION WELL/BORING DIAME	ETER _	1.75
DRIL	LING C	ONTR	АСТО	R Geosearch	MEASURING POINT ELEVATION (ft)		
DRIL	LING M	ETHC	DD Ge	eoprobe	GROUNDWATER ELEVATION (ft)		
LOG	GED B	Re	gan	CHECKED BY Regan			
NOTE	ES		1				1
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
- · ·	-						
	100	SP		MEDIUM SAND, well sorted (po	orly graded), moist, brown.		
		SW-		6.4 SILT little fine sand, poorly sorte	d (well graded), moist, brown.	-	
		SM CL-			ell graded), plastic, moist, brown.	<u> </u>	
	7		)L-	18.4	vell graded), plastic, moist, brown.	<u> </u>	
	1	CL- ML				104	22.3
10	65	CL-		ly sorted (well graded), plastic, moist, brown.	23.8		
-	-	<u>ML</u> CL-	<u>//L</u> /L-	10.8	CLAY some silt, poorly sorted (well graded), plastic, moist, gray.	+	
-	-	ML SW-		12.0 SILT trace fine sand, poorly sort	ed (well graded), moist, brown.		
		SM		13.3		<u> </u>	
15		SW-	۰.۰.۱۹.۴				
	58	SM		SILT trace clay, clay varves, poo	m sand, poorly sorted (well graded), moist, brown.	-	
10		CL-					
0/87/	]	ML		17.9			
4 L d :	1					.3	.3
20 20 20					Bottom of hole at 20.0 feet.		
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06							

F	R	ERM 399 Boylston St. 6th Floor Boston, MA 02116 Telephone: 617-646-7800 Fax: 617-267-6447BORING NUMBER B-530 PAGE 1 C										
		T Ra		n - Wa		ECT NAME Northern Area Soil Sampling						
						ECT LOCATION Wayland, MA						
D	ATE	STAR	TED	2/1/06	GENERATED 2/1/06 GROU	ND ELEVATION WELL/BORING DIAMETER	1.75					
DF	RILL	ING C	ONTR	АСТО	R Geosearch MEAS	URING POINT ELEVATION (ft)						
DF	RILL	ING M	ETHC	DD Ge	oprobe GROU	NDWATER ELEVATION (ft)						
LC	DGG	ED BY	Re	gan	CHECKED BY Regan GROU	NDWATER ELEVATION DATE						
N	OTES	S										
	0 (ff)	A RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIA FILL, brown.	L DESCRIPTION	PID-scan (ppm)					
-	5				2.4							
	-	84			5.5 FINE TO MEDIUM SAND, poorly sorted (we MEDIUM SAND, well sorted (poorly graded)	Il graded), moist, dark brown.						
F	1		SP SW-		6.5 FINE SAND and silt, poorly sorted (well grad							
F	-		SM		7.5							
F	-		CL-		SILT some clay, poorly sorted (well graded),	.6	1.2					
F	-		IVIL		9.2							
-	10 -	_76_	CL- ML		SILT some clay, trace fine sand, poorly sorte	ed (well graded), moist, gray/brown.	1.4					
F	-				12.7		1.4					
F	-		CL- ML		SILT little clay, bottom 1" iron oxide coloring. 13.8	poorly sorted (well graded), moist, brown.						
-	- 15 -	_62_			SILT little clay, bottom 2" iron oxide coloring.	poorly sorted (well graded), moist, brown.						
.GPJ 4/28/06	-		CL- ML		18.1	.1	.1					
	20				Bottom c	f hole at 20.0 feet.						
WAYLAND NOKI HEKN AKEA NOKI HEKN AKEA SOIL BORINGS (5PJ 4/28/06												

	ERM 399 Boylston St. 6th Floor Boston, MA 02116 Telephone: 617-646-7800 Fax: 617-267-6447										
		-									
				06 COMPLETED 4/14/06	PROJECT LOCATION Wayland, MA     GROUND ELEVATION						
					GROUNDWATER ELEVATION (II)     GROUNDWATER ELEVATION DATE						
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)				
- - - - - -	- - - - - - 7	SP		FINE SANDY SILT with some moist, orange brown.	e clay lenses, well sorted (poorly graded), medium stiff,	3.3	0				
- - - - - 15	- - 7 -	SP			ed (poorly graded), medium stiff, moist, orange brown. vell sorted (poorly graded), stiff, wet, olive gray.	10.3	4.9				
-	- - - - -	FINE SILTY SAND with some clay lenses, well sorted (poorly graded), medium stiff, wet, orange brown.         SP         18.4	e clay lenses, well sorted (poorly graded), medium stiff, wet,	0	0.4						
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06					Bottom of hole at 20.0 feet.						

	ERM 399 Boylston St. 6th Floor Boston, MA 02116 Telephone: 617-646-7800 ERM Boston of Floor Boston of Floor Boston of Floor Boston of Floor ERM BORING NUMBER B-53 PAGE 1 C										
E	ER.	Μ			267-6447						
					yland						
					043036	PROJECT LOCATION Wayland, MA		4.75			
					06 <b>COMPLETED</b> <u>4/14/06</u>						
					R Geosearch		GROUNDWATER ELEVATION (ft)				
						GROUNDWATER ELEVATION (π) GROUNDWATER ELEVATION DATE					
DEPTH	( <b>t</b> )	RECOVERY %		GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)			
	- - 5 - - -	6	SP			n trace silt, moderately sorted, loose, moist, orange brown. ed (poorly graded), medium stiff, wet, orange brown.	2.7	2.4			
- - - -	- 10 - - -	6	SP ML	FINE SAND and silt, well sorted (poorly graded), medium stiff, wet, orange brown.		4.0	0.4				
-	1 <u>5</u> - -	6	SP		FINE SAND and silt, well sorte	ed (poorly graded), medium stiff, wet, orange brown.	0	0			
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06	- 20					Bottom of hole at 20.0 feet.					

	ER	) M	Bost Tele	Boylsto ton, MA phone	on St. 6th Floor A 02116 : 617-646-7800 267-6447	BORING NUMBER PA	<b>R B-5</b> AGE 1 (	
	CLIEN	IT Ra	iytheo	n - Wa	yland	PROJECT NAME Northern Area Soil Sampling		
	PROJ	ECT N	UMBE	<b>R</b> _00	43036	PROJECT LOCATION Wayland, MA		
	DATE	STAR	TED	1/31/0	06 <b>COMPLETED</b> <u>1/31/06</u>	GROUND ELEVATION WELL/BORING DIAME	ETER _	1.75
	DRILL	ING C	ONTR	RACTO	R Geosearch	MEASURING POINT ELEVATION (ft)		
	DRILL	ING M	ETHC	<b>DD</b> _G	eoprobe	GROUNDWATER ELEVATION (ft)		
	LOGG	ED B	Reg	gan	CHECKED BY Regan	GROUNDWATER ELEVATION DATE		
	NOTE	s	1			_		1
	o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
	- - - 5							
Γ		100	FILL		FILL grading to fine to medium s	and, well sorted (poorly graded), moist, dark brown/brown.	1.7	0
F	_	1	CL-		6.3 7.0 SILT little clay, poorly sorted (we	ll graded), moist, grav.	_	
ŀ	-	1	ML		FINE TO MEDIUM SAND, poorly		<u> </u>	
┢								
┢	-	-	CL-		SILT some clay, poorly sorted (w	rell graded), moist, brown.		
┝	10	74	ML CL-		10.0 10.5 SILT little clay, poorly sorted (we	SILT little clay, poorly sorted (well graded), medium loose, brown.		
╞	_		<u>ML</u>		CLAY little silt, poorly sorted (well	Il graded), moist, gray.		
╞	_	ļ	ML		12.1		1 00	1
	_		SW- SM		12.9	orly sorted (well graded), moist, gray.	23.4	.1
	_		SW- SM		13.7FINE SAND little silt, trace clay, p	poorly sorted (well graded), moist, gray.		
Γ	15			Ί				
F		_60_	SW-		15.4 FINE SAND little silt, trace clay, p	poorly sorted (well graded), moist, gray.	24.9	2_,
F	-	1	SW- SM		FINE SAND trace silt, poorly sort	led (weil graded), moist, brown.		
8/06	_	1	SW-		17.2 EINE SAND some silt, little clay	clay varves, poorly sorted (well graded), moist, brown.		
- 4/2	-	-	SM	<u> 1-1-</u>			_	
- SS.G	-	-						
NIX N	20	30	SW	• • • • • •				
DIL B(	_		SP		FINE SAND, well sorted (poorly s	poorly sorted (well graded), moist, brown/red. graded), moist, brown.		
S SC	_		-		21.5		1	.2
EA NORTHERN AF	_ 					Bottom of hole at 25.0 feet.		
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06								

	ER	2 M	Bost Tele	Boylsto ton, MA phone	on St. 6th Floor \ 02116 : 617-646-7800 267-6447		BORI	NG NUMBER   PA	<b>B-53</b> GE 1	
0		T Ra	ytheo	n - Wa	yland		PROJECT NAME Northern Area Soil Sa	ampling		
F	ROJ	ECT N	UMBE	<b>R</b> _00	43036		PROJECT LOCATION Wayland, MA			
	DATE	STAR	TED	1/31/0	06	<b>COMPLETED</b> 1/31/06	GROUND ELEVATION	WELL/BORING DIAME	TER	1.75
	RILL	ING C	ONTF	RACTO	R Geosearch		MEASURING POINT ELEVATION (ft)			
	RILL	ING M	ETHC	<b>DD</b>	eoprobe		GROUNDWATER ELEVATION (ft)			
L	.OGG	ED B	Re	gan		CHECKED BY Regan	GROUNDWATER ELEVATION DATE			
M	OTE	OTES								1
- H L L	o UEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG			MATERIAL DESCRIPTION		PID-headspace (ppm)	PID-scan (ppm)
		_50_				FILL grading to fine to medium s	and, well sorted (poorly graded), brown.		.8	.2
F	-		FILL							
┢	-				2.5					
-	- 5									
		_100	SW		ţ	FINE TO MEDIUM SAND, poorly	y sorted (well graded), moist, brown.			
Γ	_		300		6.9					
F	-					SILT little fine sand, poorly sorte	d (well graded), moist, brown.			
-	- - 10		SW- SM		10.0				1.6	.2
		64				SILT little clay, grey clay varves,	poorly sorted (well graded), moist, brown.			
	-		CL- ML		13.2				15	4.9
╞	_									
	15									
		62	CL-			SILT trace clay, poorly sorted (w	ell graded), moist, brown.			
Γ			ML		16.7					
28/06	-		SW- SM		İ	FINE SAND trace silt, poorly sor	ted (well graded), brown.			
PJ 4/	-		Sivi		18.1				16.9	.1
SS.GI	-									
NINO-	20						Bottom of hole at 20.0 feet.			
IL BC							Bollom of hole at 20.0 leet.			
A SO										
ARE										
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L R										
N N										
I ARE										
μĒRN										
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WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06										
AN N										

F	ERM 399 Boylston St. 6th Floor Boston, MA 02116 PAGE PAGE PAGE Fax: 617-267-6447										
	IFN	IVI TRa		n - Wa			PROJECT NAME _ Northern Area Soil Sampling	PAGE 1 OF 1			
			-		43036		PROJECT LOCATIONWayland, MA				
						MPLETED _ 1/31/06		ETER	1.75		
							GROUNDWATER ELEVATION DATE				
				-							
O DEPTH		RECOVERY %	U.S.C.S.	GRAPHIC LOG			MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)		
- - - 5		100			ME	DIUM SAND, well sorted (po	oorly graded), moist, brown.				
┢	-		SP		6.6						
╞	-		SW-		7.2 FINI		ted (well graded), moist, brown.				
-	-		SW-		0.0		ed (well graded), moist, brown. poorly sorted (well graded), slightly moist, gray/brown.				
F			∖ <u>SM</u> CL-		SIL	r some day, illie line sand,	poony solited (well graded), slightly moist, graybrown.				
1(	0		ML		10.0			35	2		
	ł		SW- SM		SIL1 11.2	T and fine sand, poorly sorte	ed (well graded), moist, gray/brown.	0.0			
Γ	1		SW-			E SAND little silt, poorly sort	ted (well graded), moist, gray.				
Ē			<u>SM</u> SW- SM		FINI 13.0	E SAND and silt, bottom 2" i	iron oxide coloring, poorly sorted (well graded), gray.	16.5	.3		
- 1! -	5	60	CL- ML			T and clay, dark gray clay va	arves, poorly sorted (well graded), moist, gray/brown.				
9/08	-		SP		17.0 17.7 FINI	E SAND, well sorted (poorly	v graded), moist, grav.				
J 4/28	-		SW-	<u> </u>			y, poorly sorted (well graded), moist, gray.	.7			
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06			<u>SM</u>				Bottom of hole at 20.0 feet.				
WAYLAN											

	ERM 399 Boylston St. 6th Floor Boston, MA 02116 PAGE 1 0 Telephone: 617-646-7800 Fax: 617-267-6447										
	IKIVI IENT _	-				DDO LECT NAME Northern Area Sail Sampling					
				1yiano 143036		PROJECT NAME Northern Area Soil Sampling PROJECT LOCATION Wayland, MA					
					<b>COMPLETED</b> 4/14/06	GROUND ELEVATION WELL/BORING DIAME	TFR	1 75			
						GROUNDWATER ELEVATION (ft)					
O DEPTH	L H		GRAPHIC LOG			MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)			
-	- 3	SM			SILTY SAND and some gravel, p	ooorly sorted (well graded), loose, slightly moist, brown.	-	0			
5  10	- - 8 - 8	SP ML SM ML			SILT with some fine sand, well so FINE TO MEDIUM SAND with tr Tan.	NE SAND, well sorted (poorly graded), loose, moist, orange brown. fine sand, well sorted (poorly graded), medium stiff, moist, olive gray. JM SAND with trace silt, moderately sorted, medium stiff, moist, orange brown/ fine sand, well sorted (poorly graded), stiff, moist, olive gray.					
- - - 15	- 8	SM				poorly sorted (well graded), loose, wet, orange brown/ Tan.	0	0			
4/28/06	5	ML ML				orted (poorly graded), stiff, wet, olive gray. ay lenses, well sorted (poorly graded), stiff, moist, orange brown.	10.0	3.6			
		SM		23.0	FINE SAND with some medium s	sand, well sorted (poorly graded), loose, wet, orange brown/ Tan.	0.3	0			
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06	5					Bottom of hole at 25.0 feet.					

T		2	Bost Tele	Boylsto on, MA phone:	on St. 6th Floor A 02116 : 617-646-7800 267-6447	BORING NUMBER	<b>B-53</b> .GE 1	
		TRA		n - Wa		PROJECT NAME Northern Area Soil Sampling		
					043036	PROJECT LOCATION Wayland, MA		
					06 <b>COMPLETED</b> _4/14/06		TER _	1.75
DI	RILL	ING C	ONTR	АСТО	R Geosearch	MEASURING POINT ELEVATION (ft)		
						GROUNDWATER ELEVATION (ft)		
	OGG	ED B	Mo	ore	CHECKED BY	GROUNDWATER ELEVATION DATE		
N	OTES	S						
	0 (ff)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
			SM		SILTY SAND and some gravel	l, poorly sorted (well graded), loose, slightly moist, brown.		
-	5	3	SP MEDIUM SAND with some fine sand, poorly sorted (well graded), loose, slightly moist, orange brown.					
-	10	7	SP SP ML		some silty sand, poorly sorted (well graded), medium stiff, moist, e sandy silt, poorly sorted (well graded), loose, moist, orange ed (poorly graded), stiff, moist, olive gray.	0.2	0	
-	- - - 15	8	ML		SILT and fine sand, moderatel	y sorted, stiff, moist, olive gray.	2.8	0
-		6	ML ML			sorted (poorly graded), stiff, moist, olive gray. clay lens, well sorted (poorly graded), stiff, moist, orange brown.	14.3	0.4
VORTHERN AREA SOIL BOF	-	5	SP		FINE SAND and some medium	n sand, well sorted (poorly graded), stiff, wet, orange brown.	0.2	1.7
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 428/06	25					Bottom of hole at 25.0 feet.		

		2	Bost	Boylst ton, M/	on St. 6th Floor A 02116	BORING NUMBER	<b>B-53</b> GE 1			
F	ER	M			: 617-646-7800 267-6447					
CI	LIEN	T_Ra	ytheo	n - Wa	yland	PROJECT NAME Northern Area Soil Sampling				
PF	roji	ECT N	UMBE	<b>R</b> _00	043036	PROJECT LOCATION Wayland, MA				
D	ATE	STAR	TED	4/14/	06 <b>COMPLETED</b> <u>4/14/06</u>	GROUND ELEVATION WELL/BORING DIAME	GROUND ELEVATION WELL/BORING DIAMETER 1.75			
					R Geosearch		MEASURING POINT ELEVATION (ft)			
						_ GROUNDWATER ELEVATION (ft)				
						GROUNDWATER ELEVATION DATE				
N	OTE	s	1							
	0 (ff)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)		
			SM		SILTY SAND and some gravel, p	poorly sorted (well graded), loose, slightly moist, brown.				
-	-	4	SP		MEDIUM SAND, well sorted (po	orly graded), loose, moist, orange brown.	-	0		
	5		SP		MEDIUM SAND with some silty brown.	sand, well sorted (poorly graded), medium dense, moist, orange				
-	- - 10	6	ML		FINE SAND and silt, well sorted	(poorly graded), stiff, moist, olive gray.	0.1	0		
-		8	ML		FINE SAND and silt, well sorted	(poorly graded), medium stiff, moist, orange brown.	6.7	0.1		
-	- 15	0	ML			sorted (poorly graded), medium stiff, wet, gray.	0.7	0.1		
Ļ	_		ML		SILT with some fine sand, well s	sorted (poorly graded), medium stiff, wet, grey.				
IGS.GPJ 4/28/06		5	SM		FINE SANDY SILT grading to fir brown.	ne sand, poorly sorted (well graded), medium stiff, wet, orange	10.0	5.6		
	<u>20                                    </u>	5	SP		FINE SAND with some medium	sand, well sorted (poorly graded), loose, wet, tan/ orange brown.	1.2	0		
EA NORTHERN	_ 			<u></u>	Bottom of hole at 25.0 feet.					
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06										

	ED	2	Bost Tele	Boylsto on, MA phone:	on St. 6th Floor A 02116 : 617-646-7800	BORING NUMBER	<b>B-53</b> GE 1			
	EK				267-6447					
- I.			-	<u>n - Wa</u>		PROJECT NAME Northern Area Soil Sampling				
					06 COMPLETED 4/14/06	PROJECT LOCATION _Wayland, MA     GROUND ELEVATION WELL/BORING DIAME	TED	1 75		
- L						MEASURING POINT ELEVATION (ft)				
- L						GROUNDWATER ELEVATION (ft)				
						GROUNDWATER ELEVATION (II)				
- L										
	o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)		
		6	SP		MEDIUM TO FINE SAND with so	ne silt, moderately sorted, loose, wet, orange brown.		0		
	10	7	ML ML		gray.	y lenses, well sorted (poorly graded), medium stiff, wet, olive sorted (poorly graded), stiff, wet, olive gray.	0.8	0		
S.GPJ 4/28/06		5	ML 			sorted (poorly graded), stiff, wet, olive gray. and, well sorted (poorly graded), loose, wet, orange brown.	4.2	.3		
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06	20					Bottom of hole at 20.0 feet.				

EF		Bost Tele	Boylsto on, MA phone:	on St. 6th Flo 02116 617-646-78 267-6447		BOF	RING NUMBER PA	<b>R B-</b> Ge 1	
CLIE	NT R					PROJECT NAME _ Northern Area Soil Sa	ampling		
PRO.	JECT N	UMBE	<b>R</b> _00	43036		PROJECT LOCATION Wayland, MA			
DATE		TED	1/31/0	)6	<b>COMPLETED</b> 1/31/06	GROUND ELEVATION	WELL/BORING DIAME	TER	1.75
DRIL	LING C	ONTR	АСТО	R Geoseard	ch	MEASURING POINT ELEVATION (ft)			
				eoprobe		GROUNDWATER ELEVATION (ft)			
					CHECKED BY Regan	GROUNDWATER ELEVATION DATE			
NOT	ES		1	1				I	 T
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG			MATERIAL DESCRIPTION		PID-headspace (ppm)	PID-scan (ppm)
- - - - - - - - - - -	-								
-	60	CL- ML CL- ML		11.5		vell sorted (poorly graded), plastic, moist, gray. vell graded), plastic, moist, gray.		10.5	1.8
- 15					SILT little clay, clay varves, poo	orly sorted (well graded), plastic, moist, gray.			
4/28/06		CL- ML		17.7 \17.8\	EINE SAND well corted (poort	waradad) majat brown/rad		30	13.5
P CLOSSINGE	40				FINE SAND, well sorted (poorly FINE SAND, well sorted (poorly				
RN AREA SOIL		SP		22.0				11.4	18.5
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS GPJ 4/28/06 C C C C C C C C C C C C C C C C C C C		SW-	*****		FINE SAND little silt, poorly sor	rted (well graded), moist, gray.			
		SM		26.5				.6	1.8
MAYLAND N 30									

Bottom of hole at 30.0 feet.

1	FR	2	Bost Tele	Boylsto on, MA phone:	on St. 6th Floor A 02116 : 617-646-7800 267-6447	BORING NUMBER	<b>B-53</b> AGE 1			
		T Ra		n - Wa		PROJECT NAME Northern Area Soil Sampling				
					43036	PROJECT LOCATION _ Wayland, MA				
					06 <b>COMPLETED</b> 1/31/06	-	ETER	1.75		
	RILL	ING C	ONTR	АСТО	R Geosearch					
					eoprobe					
1	.OGG	ED B	Reg	gan	CHECKED BY Regan	GROUNDWATER ELEVATION DATE				
	NOTE	s			Γ	-		1		
	o UEPIH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)		
	- - 5_	87	CD	5- 5	5.5 MEDIUM SAND, well sorted (poort					
	-		CL- ML			MEDIUM SAND, well sorted (poorly graded), moist, brown. CLAY little silt, trace fine sand, poorly sorted (well graded), plastic, moist, brown.				
╞	10	60	CL- ML		CLAY some silt, poorly sorted (well	graded), plastic, moist, gray.				
F	-		SW- SM	•••••	11.6 SILT little fine sand, trace clay, poo 13.0	rly sorted (well graded), moist, gray.	25.7	19		
	15	40	SW-		SILT little fine sand, clay varves, po	oorly sorted (well graded), moist, gray.				
9 4/28/06	-		SM		17.0		134	.4		
	20	_50_	SP		FINE SAND, well sorted (poorly gra	aded), moist, brown.	.1	.2		
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06	_ _ _25_				22.5	Bottom of hole at 25.0 feet.				

ER		Bost Tele	Boylsto ton, MA	on St. 6th Floor 02116 617-646-780 267-6447		BORING NUMBER	<b>B-53</b> GE 1	
CLIE	NT Ra	iytheo	n - Wa	yland	PROJECT NAME Northern Area Soil Sampling			
PRO.	IECT N	UMBE	<b>R</b> _00	43036		PROJECT LOCATION Wayland, MA		
DATE	STAR	TED	2/1/06	3	<b>COMPLETED</b> 2/1/06	GROUND ELEVATION WELL/BORING DIAME	ETER _	1.75
DRIL	LING C	ONTF	RACTO	R Geosearch		MEASURING POINT ELEVATION (ft)		
DRIL	LING N	ETHC	DD _Ge	eoprobe		GROUNDWATER ELEVATION (ft)		
LOG	GED B	Re	gan		CHECKED BY Regan	GROUNDWATER ELEVATION DATE		
NOTE	S							
o DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG			MATERIAL DESCRIPTION	PID-headspace (ppm)	PID-scan (ppm)
	<u>48</u>	FILL		2.4	FILL grading to medium to coar	'se sand, dark brown/brown.		
- · - ·	 	SW CL-		6.0	MEDIUM SAND some fine san	d, poorly sorted (well graded), slightly moist, brown. well graded), brown.		
- ·	50	CL- ML SW- SM		<u>10.0</u> 10.7 12.5		porly sorted (well graded), moist, gray. poorly sorted (well graded), moist, gray.		.1
- · - ·		SW-	• • • • • •		SILT and fine sand, poorly sorte	ed (well graded), moist, gray.	3	
۔ ۔ د	1	SM SW-		16.2	FINE SAND little silt, poorly sorted (well graded), moist, gray.	ted (well graded), moist, gray.	<u> </u>	
		SM	•	17.4			2	.1
I I I I I I I I I I I I I I I I I I I	<u>56</u>	SW		22.8	FINE SAND, poorly sorted (well	I graded), very moist, gray.	.1	.2
122 25 25 25 25 25 25 25 25 25 25 25 25 2	-					Bottom of hole at 25.0 feet.		
WAYLAND NORTHERN AREA NORTHERN AREA SOIL BORINGS.GPJ 4/28/06								