Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC106
	Release Tracking Number
RELEASE ABATEMENT MEASURE (RAM)	3 - 13302
	5 - 13302
Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)	
A. SITE LOCATION:	
1. Site Name/Location Aid: RAYTHEON COMPANY	
2. Street Address: 430 BOSTON POST RD	
3. City/Town: WAYLAND 4. ZIP Code: 01778-0000	
5. UTM Coordinates: a. UTM N: b. UTM E:	
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 a Tier I Permit has been issued, provide Permit Number: 133939 AND W045278	
B. THIS FORM IS BEING USED TO: (check all that apply)	
1. List Submittal Date of Initial RAM Plan (if previously submitted): (mm/dd/yyyy)	
2. Submit an Initial Release Abatement Measure (RAM) Plan.	
 a. Check here if the RAM is being conducted as part of the construction of a permanent str specify what type of permanent structure is to be erected in or in the immediate vicinity of the conducted. 	
b. Specify type of permanent structure: (check all that apply) i. School ii. Resider	ntial 🔲 iii. Commercial
iv. Industrial v. Other Specify:	
3. Submit a Modified RAM Plan of a previously submitted RAM Plan.	
✓ 4. Submit a RAM Status Report.	
5. Submit a Remedial Monitoring Report . (This report can only be submitted through eDEP, cor Report.)	ncurrent with a RAM Status
a. Type of Report: (check one) 📄 i. Initial Report 📄 ii. Interim Report 📄 iii.	Final Report
b. Number of Remedial Systems and/or Monitoring Programs:	
A separate BWSC106A, RAM Remedial Monitoring Report, must be filled out for each Remedial and/or Monitoring Program addressed by this transmittal form.	System
6. Submit a RAM Completion Statement.	
7. Submit a Revised RAM Completion Statement.	
8. Provide Additional RTNs:	
a. Check here if this RAM Submittal covers additional Release Tracking Numbers (RTNs) previously linked to a Primary Tier Classified RTN do not need to be listed here. This sect RAM to cover more than one unclassified RTN and not show permanent linkage to a Prima	ion is intended to allow a
b. Provide the additional Release Tracking Number(s) covered by this RAM Submittal.	-
(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	BWSC106
RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM	Release Tracking Number 3 - 13302
Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)	
C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT RAM:	
1. Identify Media Impacted and Receptors Affected: (check all that apply)	
a. Air b. Basement c. Critical Exposure Pathway 🖌 d. Groundwater	e. Residence
f. Paved Surface g. Private Well h. Public Water Supply i. School	. Sediments
✓ k. Soil I. Storm Drain m. Surface Water n. Unknown o. Wet	land 🗌 p. Zone 2
q. Others Specify:	
2. Identify all sources of the Release or Threat of Release, if known: (check all that apply)	
a. Above-ground Storage Tank (AST) b. Boat/Vessel c. Drums	d. Fuel Tank
e. Pipe/Hose/Line f. Tanker Truck g. Transformer h. Under-ground	Storage Tank (UST)
i. Vehicle ✓ j. Others Specify: INDUSTRY FACILITY PROCESSES	
3. Identify Oils and Hazardous Materials Released: (check all that apply)	
✓ a. Oils ✓ b. Chlorinated Solvents c. Heavy Metals	
d. Others Specify:	
D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for volumes list cumulative amou	
1. Assessment and/or Monitoring Only 2. Temporary Covers or	
3. Deployment of Absorbent or Containment Materials 4. Temporary Water Su	
	on or Relocation of Residents
7. Product or NAPL Recovery 8. Fencing and Sign Po 9. Groundwater Treatment Systems 10. Soil Vapor Extraction	-
9. Groundwater Treatment Systems 10. Soil Vapor Extraction 11. Bioremediation 12. Air Sparging	1

Massachusetts Departm Bureau of Waste Site Clea		ronmental Protection	BW	SC106
	MEAGUIDE		Release 1	racking Number
		3 -	13302	
Pursuant to 310 CMR 40.0444 - 0)446 (Subpart D))		
D. DESCRIPTION OF RESPONSE ACTIONS (cont.): (13. Excavation of Contaminated Soils	(check all that a	pply, for volumes list cumulative a	mounts)	
a. Re-use, Recycling or Treatment	i. On Site	Estimated volume in cubic yards		
	ii. Off Site	Estimated volume in cubic yards		
iia. Receiving Facility:		Town:		State:
iib. Receiving Facility:		Town:		State:
iii. Describe:				
b. Store	i. On Site	Estimated volume in cubic yards		
	ii. Off Site	Estimated volume in cubic yards		
iia. Receiving Facility:		Town:		State:
iib. Receiving Facility:		Town:		State:
C. Landfill	_			
	i. Cover	Estimated volume in cubic yards		
Receiving Facility:		Town:		State:
Γ	ii. Disposal	Estimated volume in cubic yards		
Receiving Facility:		Town:		State:
14. Removal of Drums, Tanks or Containers				
a. Describe Quantity and Amount:				
b. Receiving Facility:		_ Town:		- State:
c. Receiving Facility:		_ Town:		_State:
15. Removal of Other Contaminate				
a. Specify Type and Volume:				
b. Receiving Facility:		- Town:		State:
c. Receiving Facility:		Town:		State:
16. Other Response Actions:				
Describe:				
17. Use of Innovative Technologies:				
Describe:				



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC106

RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM Release Tracking Number

13302

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Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

E. 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 of this form indicates that a **Release Abatement Measure 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 of this form indicates that a Release Abatement Measure Status Report and/or 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;

if Section B of this form indicates that a Release Abatement Measure 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, (ii) is (are) appropriate 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 #: 9092		
2. First Name: JAMES B	3. Last Name: OBRIEN	
4. Telephone: (781) 952-6000	5. Ext.: 6. FAX:	
7. Signature: JAMES B OBRIEN	F	
8. Date: 1/28/2013 (mm/dd/yyyy)	9. LSP Stamp:	Electronic Seal License Site Protess

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC106
	Release Tracking Number
RELEASE ABATEMENT MEASURE (RAM)	3 - 13302
Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)	
F. PERSON UNDERTAKING RAM:	
I UTEUS dil II di duuly I i a chande in contact name I i n chande of address	 change in the person ndertaking response actions
2. Name of Organization: TWENTY WAYLAND LLC	
3. Contact First Name: FRANK 4. Last Name: DOUGHERTY	
5. Street: 10 MEMORIAL BLVD SUITE 901 6. Title:	
PROVIDENCE 8. State: RI 9. ZIP C 10. Telephone: (401) 273-8600 11. Ext.: 12. FAX:	code: 02903-0000
G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING RAM: ↓ 1. RP or PRP a. Owner b. Operator c. Generator d. Transporte	_
	r
✓ e. Other RP or PRP Specify: NON-SPECIFIED PRP	
2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2	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 RAM Specify Relationship:	
H. REQUIRED ATTACHMENT AND SUBMITTALS:	
1. Check here if any Remediation Waste, generated as a result of this RAM, will be stored, treate reused at the site following submission of the RAM Completion Statement. You must submit a Finglementation Plan along with the appropriate transmittal form (BWSC108).	
2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement id provisions thereof.	
3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been implementation of a Release Abatement Measure.	notified of the
4. Check here if any non-updatable information provided on this form is incorrect, e.g. Release A corrections to the DEP Regional Office.	Address/Location Aid. Send
5. If a RAM Compliance Fee is required for this RAM, check here to certify that a RAM Compliance DEP, P. O. Box 4062, Boston, MA 02211.	e Fee was submitted to
6. Check here to certify that the LSP Opinion containing the material facts, data, and other inform	nation is attached.

Ma	assachusetts Department o	f Environmental I	Protectio	on	
BL	reau of Waste Site Cleanup			t	BWSC106
	ELEASE ABATEMENT MEA	SURE (RAM)		Relea	se Tracking Number
	RANSMITTAL FORM			3	- 13302
Pu	ursuant to 310 CMR 40.0444 - 0446 (S	Subpart D)			
I. CERTIFICATION OF I	PERSON UNDERTAKING RAM:				
transmittal form, (ii) th material information c that I am fully authoriz entity on whose behal possible fines and imp	niliar with the information contained in at, based on my inquiry of those indiv ontained in this submittal is, to the be ed to make this attestation on behalf o If this submittal is made am/is aware to prisonment, for willfully submitting fals	iduals immediately resp st of my knowledge and f the entity legally respo hat there are significant	g any and a onsible for belief, true nsible for tl penalties,	Il documents obtaining the a, accurate ar his submittal including, bu	accompanying this information, the ind complete, and (iii) I/the person or
2. By: FRANK DOU	GHERTY		3. Title:		
	Signature				
4. For: TWENTY W	AYLAND LLC		5. Date:	1/28/2013	
	(Name of person or entity recorded in	Section F)		n)	nm/dd/yyyy)
6. Check here if t	the address of the person providing ce	ertification is different fro	m address	recorded in S	Section F.
8. City/Town:		9. State:	1	0. ZIP Code	
	12. Ext.:	13. FAX:			
11. Telephone:	12, LA	13. FAX.			
BIL	DU ARE SUBJECT TO AN ANNUAL CO LABLE YEAR FOR THIS DISPOSAL SI ECTIONS OF THIS FORM OR DEP MAY MIT AN INCOMPLETE FORM, YOU MAY	FE. YOU MUST LEGIBLY RETURN THE DOCUMEN	COMPLET	TE ALL RELEV MPLETE. IF	/ANT YOU
Date Stamp (DE	P USE ONLY:)				
	eived by DEP on 013 1:49:55 PM				

Release Abatement Measure Status Report No. 3 Former Raytheon Facility 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163 Release Tracking Number (RTN): 3-13302



Prepared By:

VERTEX Environmental Services, Inc. One Congress Street, 10th Floor Boston, MA 02114

January 25, 2013

Prepared For:

Twenty Wayland 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Submitted To:

Massachusetts Department of Environmental Protection Northeast Regional Office 205B Lowell Street Wilmington, MA 01887 Attention: Bureau of Waste Site Cleanup



Vertex -TCS, LLC Vertex 合同会社 Vertex Engineering, PC Vertex International LLC Vertex Air Quality Services, LLC Vertex Construction Services, Inc. Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Ingenieros Consultores, S. de R.L. de C.V.

Downtown Boston Office One Congress Street, 10th Floor Boston, MA 02114 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

January 25, 2013

Massachusetts Department of Environmental Protection Northeast Regional Office 205B Lowell Street Wilmington, MA 01887

RE: Release Abatement Measure Status Report No. 3 Former Raytheon Facility 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163 Release Tracking Number (RTN): 3-13302

VERTEX Environmental Services, Inc. (VERTEX) is pleased to submit this Release Abatement Measure (RAM) Status Report No. 3 for the release listed under the above referenced RTN (the "Subject Site"). This document has been prepared for Twenty Wayland in accordance with the provisions contained in Section 40.0445 of the Massachusetts Contingency Plan (MCP).

Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

Jesse Freeman, EIT Sr. Project Manager

James B. O'Brien, LSP #9092 President



Environmental

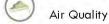




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- Table 1: Summary of Field PID Readings
- Table 2: Summary of Soil Analytical Data Post Excavation UST Removal
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Figure 1: Site Locus Figure 2: Site Schematic

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- Appendix A: Notice of Activity and Use Limitation
- Appendix B: Photographs
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- Appendix D Vapor Venting System Information

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1.0 INTRODUCTION

At the request of Twenty Wayland, LLC (Twenty Wayland), Vertex Environmental Services Inc. (VERTEX) has prepared this Release Abatement Measure (RAM) Status Report No. 3 for the release listed by the Massachusetts Department of Environmental Protection (MADEP) under Release Tracking Number (RTN) 3-13302 located at 430 Boston Post Road, Wayland Massachusetts (the Subject Site). Refer to **FIGURE 1** for the general site locus. This RAM Status Report pertains to a portion of the property affected by the release listed under the above referenced RTN (the "RAM Area") and had been prepared pursuant to the provisions contained in Section 40.0445 of the Massachusetts Contingency Plan (MCP). Raytheon Company (Raytheon) is the responsible party for the site under RTN 3-13302.

The RAM activities are being performed in accordance with the provisions contained in a RAM Plan dated September 20, 2011 that was prepared by VERTEX pursuant to 310 CMR 40.0444, previously submitted to the MADEP and in conjunction with on-going construction activities at the above referenced property. The initial RAM Status Report was submitted to the MADEP on January 19, 2012. The last RAM Status Report was submitted to MassDEP on July 25, 2012. The monitoring period described in this RAM Status Report is from May 2, 2012 through December 31, 2012.

1.1 RESPONSIBLE PARTY FOR THE SITE AND LSP-OF-RECORD

The Responsible Party for the Site is as follows:

Raytheon Company 880 Technology Drive Billerica, MA 01821 Contact: Mr. Louis J. Burkhardt (978) 436 8238

The LSP-of-Record is as follows:

John C. Drobinski, LSP # 2196 Environmental Resources Management 399 Boylston Street Boston, MA 02116





1.2 RESPONSIBLE PARTY FOR THE RAM PLAN AND RAM LSP

The responsible party for the implementation of the RAM Plan is as follows:

Twenty Wayland, LLC c/o KGI Properties 10 Memorial Boulevard, Suite 901 Providence, Rhode Island 02903 Contact: Mr. Frank Dougherty Tel: 401-273-8600

The LSP for the implementation of the RAM Plan is as follows:

James B. O'Brien, LSP #9092 Vertex Environmental Services, Inc. 400 Libbey Parkway Weymouth, Massachusetts 02189 Tel: 781-952-6000



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Air Quality

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2.0 GENERAL SITE AND RELEASE INFORMATION

2.1 CURRENT SITE CONDITIONS AND PHYSICAL SETTING

The Subject Site is bounded by Boston Post Road (Route 20) and a Massachusetts Bay Transportation Authority (MBTA) easement to the south, Old Sudbury Road (Route 27) to the east, the Sudbury River and its associated wetlands to the west, and undeveloped land and wetlands to the north. The general site location is shown on **FIGURE 1**. The Subject Site was formerly operated as a research and design facility by Raytheon Company between 1955 and 1995 for electronic testing and chemical process research. In 1995, Raytheon ceased operations as the Subject Site and decommissioned the facility. The portion of the Subject Site that is proposed for redevelopment was occupied by three (3) vacant one and two-story buildings that reportedly did not have basements, and associated paved and landscaped areas. The Subject Site topography within the proposed RAM area is relatively flat, with elevations varying from approximately EL. 133 to EL. 135 as referenced to the National Geodetic Vertical Datum (NGVD) 1929. The limits of the RAM area are depicted on the enclosed **FIGURE 2**.

Since the Subject Site is located within an active construction site that has a chain link fence and a gate with a guard to limit access, current human receptors are limited to adult construction workers or other construction-related personnel, occasional visitors and potential trespassers.

The RAM activities that are the subject of the September 20, 2011 RAM Plan and this status report are associated with the construction activities being performed by Twenty Wayland. In addition to these RAM activities, additional response actions are being performed by the LSP-of-Record on behalf of Raytheon. A description of the compliance history for the site and the additional response actions being conducted by Raytheon is presented in Sections 2.2 through 2.4.

The September 2011 RAM Plan pertains to most of the former Raytheon property which includes the western portion of the property that contains wetlands or other undeveloped areas. However, current site development plans indicate that construction activities within the western portion of the former Raytheon property would be limited at this time to general regrading or

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resurfacing in preparation to potential future development. As noted on **FIGURE 2**, there are no identified ecological receptors such as wetlands, surface water bodies or terrestrial habitats located within the eastern portion of the Subject Site.

The Great Meadows National Wildlife Refuge (GMNWR), which includes the Sudbury River (a Class B Surface Water) and adjacent wetlands, abuts the Subject Site to the north and west and is managed by the U.S. Fish and Wildlife Service for protection of fresh-water wetlands and other terrestrial habitats. Open space maintained by the Wayland Conservation Commission is located to the north and northwest of the Subject Site.

2.2 SUMMARY OF RELEASE INFORMATION

RTN 3-13302 was issued to Raytheon on January 2, 1996 in response to the discovery of petroleum impacts identified in a groundwater monitoring well that was located adjacent to a former 20,000-gallon No. 6 fuel oil underground storage tank (UST). This RTN is currently utilized as the primary RTN for MCP response actions related to Tier IB Permit No. 133939 issued to Raytheon as submitted by the LSP-of-Record.

The following RTNs were assigned to separate releases, but have been closed by linking to the primary RTN 3-13302 or by filing a Response Action Outcome (RAO) Statement. A portion of the Disposal Site listed under RTN 3-13302 is located within the limits of the proposed RAM (refer to **FIGURE 2**).

- **RTN 3-1783** was issued on January 15, 1987 in response to an EPA listing due to a "waste storage impoundment" identified in aerial photographs which were reported as correlated with wastewater treatment impoundments associated with the former Raytheon facility Sanitary Treatment Plant. This RTN was closed following the submission of a Class B-1 RAO to the MADEP on July 31, 1995.
- **RTN 3-13574** was issued March 28, 1996 as a result of the discovery of volatile organics (VOCs) contamination in tested groundwater samples at concentrations in excess of the



Construction

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MCP Reportable Concentrations (RC) for groundwater category RCGW-1. This RTN was closed by the MADEP on November 28, 2000.

- **RTN 3-14042** was issued July 25, 1996 as a result of the discovery of polychlorinated biphenyls (PCBs) contamination in tested soil samples at levels in excess of the applicable RC. This RTN was closed by the MADEP on November 28, 2000.
- **RTN 3-19482** was issued May 9, 2000 in response to the discovery of PCBs and metals impacts to wetland. This RTN was closed by the MADEP on November 28, 2000.
- **RTN 3-22665** was issued March 12, 2003 in response to the discovery of chromium in groundwater at concentrations above the applicable RC. Subsequent investigation by others concluded that the chromium in groundwater was attributed to a naturally-occurring chemical oxidation due to in-situ remediation activities. This RTN was closed by the MADEP on December 10, 2003.

In 2002, Environmental Resource Management (ERM) submitted to MADEP a Phase IV Remedy Implementation Plan (RIP) for two distinct remedial actions at the Subject Site under RTN 3-13302. ERM proposed wetland remediation on the western portion of the property which is outside of the proposed RAM limits and in-situ groundwater remediation on the southern and eastern portions of the Subject Site, which are partially contained within the proposed RAM limits. In situ chemical oxidation of the groundwater was conducted by ERM during May through July 2004. The Disposal Site listed under RTN 3-13302 is currently in Phase V -Remedy Operation Status, and ERM continues to perform semi-annual groundwater quality monitoring on behalf of Raytheon.

2.3 RTN 3-22408 (LINKED TO RTN 3-13302)

R

The Disposal Site listed under RTN 3-22408 consists of three (3) distinct and separate affected areas for which MCP response actions are conducted under Tier 1B permit No. W045278. The

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three distinct and separate areas are located outside the proposed RAM limits for RTN 3-13302. The Contaminants of Concern (COCs) listed under RTN 3-13302 include chlorinated VOCs, arsenic and methyl-tertiary-butyl-ether (MTBE). In 2007, ERM submitted a Partial Class B-1 RAO for the arsenic release in the western portion of the property which is located outside of proposed RAM limits. ERM attributed the detected levels of arsenic in groundwater to naturally-occurring arsenic in soil that was mobilized as a result of natural reducing conditions in the wetlands associated with the Sudbury River.

Subsequently, ERM submitted a Phase IV - Remedy Implementation Plan (RIP) for the remaining portions of RTN 3-22408. ERM proposed excavation and removal of soil impacted by CVOCs from the northern portion of the property, outside the limits of the RAM proposed herein. ERM also proposed the implementation of in-situ bioremediation of the groundwater within the area impacted chlorinated VOCs, which is also outside the limits of the proposed RAM. In July 2008, ERM submitted a Modified Phase IV RIP. On November 26, 2007 a partial RAO for the arsenic release, and a Downgradient Property Status Opinion for the methyl-tertiary-butyl-ether (MTBE) release were submitted to the MADEP. On June 9, 2009, RTN 3-22408 was linked to the parent RTN 3-13302 and MCP response actions are on-going under RTN 3-13302 as directed by the LSP-of-Record.

2.4 ACTIVITY AND USE LIMITATION (AUL)/ DEED RESTRICTION

Four (4) Notices of AUL and/or Deed Restrictions have been recorded for the Subject Site. A summary of the Notices of AUL/Deed Restrictions are presented below.

• <u>Site-Wide AUL (Deed Restriction)</u>: On October 21, 1997, a Deed Restriction titled "form 1075 Notice of Activity and Use Limitation herein referred to as the "site-wide" AUL was recorded to restrict certain activities and uses at the Subject Site to mitigate potential human exposure and maintain the condition of No Significant Risk of harm to human health upon which the AUL is based. This "site-wide" AUL applies the entire property, including the area subject to this RAM Plan (the Subject Site). Activities and uses that are considered in the site wide AUL as consistent with a condition of No Significant Risk of harm to human



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health include any commercial and/or industrial uses including such uses as offices, retail, wholesale, storage and warehouses or manufacturing.

In summary, the site-wide AUL restricts residential or other uses where children would be present at high frequency and potentially exposed at high intensity. Other restricted activities include the growing of fruit or vegetables for human consumption, excavation, below-grade construction, and below-grade utility maintenance unless determined by an LSP that such activities would not pose a substantial hazard or significant risk to human health, public safety, welfare, or the environment. The existing site-wide AUL will be revised to allow residential usage of the Subject Site.

The site-wide AUL contains provisions for the management of contaminated soil or groundwater during construction, if encountered. This RAM Plan contains provisions for the management of impacted soil and/or groundwater during the redevelopment of the Subject Site consistent with the requirements of the site-wide AUL.

<u>UST Area AUL</u>: A Notice of AUL was recorded on April 13, 1999 for approximately 0.8-acre portion of the Subject Site (refer to **FIGURE 2**). This Notice of AUL was recorded as part of a Class A-3 Response Action Outcome (RAO) Statement for the release of petroleum hydrocarbons associated with a former fuel oil UST and listed under RTN 3-13302. This Notice of AUL is generally consistent with the provisions contained in the Site-Wide Notice of AUL. This RAM Plan contains provisions for the management of impacted soil and/or groundwater, if encountered, during the redevelopment of the Subject Site consistent with the requirements of the Notice of AUL.

• <u>Hamlen Property AUL</u>: A Notice of AUL was filed on January 9, 2006 for an approximately 5.5-acre portion of the former Hamlen property to address a release of PCBs. Based on information regarding the proposed Subject Site redevelopment, this Notice of AUL pertains to a release which occurred on a portion of the property that is located outside of proposed RAM limits to the west. Thus, this Notice of AUL is not considered relevant to the RAM.



Environmental



<u>Twenty Wayland AUL</u>: A Notice of AUL was filed on December 21, 2011 for approximately 35.5 acres of the Subject Site. This Notice of AUL describes the activities permitted and not permitted in the approximately 35.5 acres of the subject site during the implementation of the RAM Plan and the subsequent construction activities which are not subject to the RAM Plan. Specifically the Notice of AUL allows for the commercial/industrial use of the Subject Site, and residential use in a portion of the Subject Site. In addition, the Notice of AUL contains provisions for the management, notification to the LSP-of-Records of impacted media encountered during the implementation of the RAM Plan. A copy of the December 21, 2011 Notice of AUL is attached in APPENDIX A.



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3.0 STATUS OF MCP RESPONSE ACTIONS

RAM activities commenced on October 31, 2011. A summary of RAM activities that occurred between October 31 and December 21, 2011 is presented in the January 19, 2012 RAM Status Report No. 1 and a summary of RAM activities that occurred between December 21, 2011 and May 2, 2012 is presented in the January 19, 2012 RAM Status Report No. 2. RAM activities performed at the Subject Site during this monitoring period include the following:

- Oversight of excavation and grading;
- Visual inspection of soils;
- Field screening of soils; and
- Dust monitoring.

3.1 RAM PLAN PROVISIONS

The RAM Plan provided procedures for management of impacted soil and/or groundwater (if encountered) consistent with the requirements of the existing Site-Wide Notice of AUL, as they pertain to the RAM area. The provisions included the following:

- Implementation of a program of environmental monitoring;
- Notification procedures to be implemented upon discovery of conditions or contamination that require such notification;
- Conduct MCP response actions under a supervision of an LSP;
- Implementation of a Soil Management Plan (SMP) including procedures for handling, storage, transportation and off-site disposal of impacted soil and/or groundwater, if encountered, and;
- Implementation of a Health and safety Plan (HASP) in accordance with applicable state and federal regulations.

The RAM plan contains provisions for the management of impacted soil if such soil is encountered during the proposed construction activities. In addition, in accordance with the existing Site-Wide Notice of AUL, temporary construction dewatering requirements were also addressed in the RAM Plan.

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Federal permits are not anticipated to be required for the RAM activities. The RAM activities will be performed in coordination with Raytheon and their environmental consultant ERM under the two existing Tier IB permits for the site (No. 133939 and No. W045278). As Raytheon, through the LSP-of-Record, will continue and maintain the overall applicability of the RAM Plan to the existing Tier IB Permit, Twenty Wayland LLC will not need to be named on the Tier IB permit to implement the RAM Activities.

The RAM Plan was prepared for the management of impacted soil and/or groundwater during the redevelopment of the Subject Site consistent with the requirements of the site-wide AUL. Therefore, in coordination with Raytheon and the LSP-of-Record, residual impacts not removed as part of the construction activities will be managed in accordance with the site-wide AUL and/or under the direction of the LSP-of-Record.

3.2 NOTICE OF AUL

The RAM Plan was prepared by VERTEX and reviewed by the LSP-of-Record. As part of that review, the provisions identified in the December 21, 2011 Notice of AUL were considered when preparing the RAM Plan. Therefore RAM activities were and will be performed in accordance with the December 21, 2011 Notice of AUL and with the provisions identified in Section 3.1 above.

3.3 RAM ACTIVITIES

The following is a summary of RAM Activities conducted during this monitoring period. Historical RAM Activities are summarized in previous RAM Status reports.

3.3.1 Soil Excavation

Due to the intermittent schedule of earthwork construction activities, VERTEX was only present on site on days when informed by site personnel that earthwork activities would be taking place at the Subject Site. During this monitoring period, VERTEX oversaw the construction

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excavation and grading RAM activities on the dates presented in **TABLE 5**. These activities included the following:

- Construction and excavation of storm water basins;
- Grading of Subject Site soils;
- Removal of existing subsurface utilities;
- Installation of subsurface water, sewer and drainage utilities; and
- Oversight of other earthwork activities.

Activities conducted outside of the RAM area are not subject to the RAM Plan.

As part of the RAM activities VERTEX visually inspected the soil excavation and collected and screened soil samples from the areas where work was being conducted using a mini-Rae photoionizaiton detector equipped with a 10.6 eV lamp. Soil inspection and screening frequency is based upon the size of the excavation area and the presence of odors, sheen, and discoloration, if present. The total organic vapor (TOV) concentration measured from *in situ* soils during this monitoring period were less than the RAM Plan action level of 10 part per million (PPM). A summary of the photoionization measurements are included in the attached table (**TABLE 1**) and soil screening locations are identified on **FIGURE 2**. Photographs of the RAM Activities are included in **APPENDIX B**.

The following describe the soil excavation and earthwork related to the RAM conducted during this monitoring period.

• On May 2, 2012, the excavation of soil was performed for the installation of a grease trap and electrical box. The excavation started near the Stop and Shop building foundation. During excavation activities field screening of the soils were collected and screened with a PID. The highest PID reading was 0.2 ppm in GT-0502G at 7 feet below ground (BGS) surface. The grease trap excavation extended to approximately 8 feet BGS. The excavation for the electrical box was extended to approximately 9 feet BGS. No soil samples were collected for laboratory analysis. Soil that was excavated for the installation of the grease trap and electrical box was temporary stockpiled. The soil was not impacted and was returned to the excavations as backfill.



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- On June 4-7, 2012, a sewer line was installed on the site. The soil was excavated and temporary stockpiled during the sewer line installation. The soil was field screened with a PID and inspected for potential impacts. Soil excavated during the sewer line installation was returned to the excavation as backfill
- On December 4 6, 2012 VERTEX provided oversight for the excavation and removal of one 36" outfall pipe. Dust monitoring and soil was field screened with a PID and inspected for potential impacts. No potential impacts were identified. Soil excavated during the outfall piping work was returned to the excavation as backfill

3.3.2 Removal of Stockpiles and Bills of Lading

During this RAM monitoring period, soil was not transported off-site. Impacted soil stockpiles awaiting off-site disposal as part of the RAM Activities are not currently present at the site. In accordance with the provisions of the MCP, soil historically shipped off-site was transported and disposed under Bill-of-Lading. BOL and the attestation of Attestation of Completion of Shipment to a Receiving Facility for soil transported and disposed from Basin 1A, Basin 6, Basin-7, (DISP-0124), and the hydraulic piston (1213E) have been submitted MassDEP. For reference, a summary of historic stockpile information and associated BOLs is included in **TABLE 4**. A copy of the completed BOLs, are included in **APPENDIX C**.

3.3.3 Venting System

As part of the construction activities, sub-slab depressurization system (SSDS) piping was installed below buildings 1C, 2C, 2D, 2E, 2F, 2G, 3A and the Stop and Shop Building. The SSDS piping is being installed as a voluntary precautionary measure as requested by the LSP of Record and is not required as a vapor mitigation measure. As part of the SSDS system installation, VERTEX has provided design specification to Twenty Wayland and has performed visual inspections of the SSDS piping installations. Copies of the VERTEX visual inspection letters that included the design specification plans for the SSDS system are included in **APPENDIX D.**

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3.3.4 Dust Monitoring

Dust monitoring was conducted using Dust Trak, dust monitors, which automatically record dust monitoring data, and calculates an average daily dust concentration. Typically two dust monitors are used to monitor dust while work is being conducted and are typically located at areas in the vicinity of the work being conducted within the perimeter of the site. The dust monitors are placed at an upwind and downwind location. Dust monitoring locations are selected based upon the apparent wind direction, and based upon the work being conducted. To evaluate "real time" dust levels at the site, VERTEX recorded approximately hourly dust monitoring results from both the upwind and downwind monitoring. A summary of hourly dust monitoring data is presented **TABLE 5** which includes the average daily dust concentration and the daily maximum and daily minimum dust concentrations measured by the dust monitors. The dust monitoring action level is 0.15 milligrams per cubic meter (mg/m³) was not exceeded during this monitoring period.



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4.0 FUTURE MCP RESPONSE ACTIONS AND SCHEDULE

Response actions under the MCP are currently on-going and will continue at the Subject Site in order to address the above referenced release in accordance with relevant provisions contained in the MCP. It is the intent of the RP for the site (Raytheon) to perform the MCP response actions in accordance with relevant provisions contained in 310 CMR 40.0000. VERTEX has concluded that additional activities are not required to meet the RAM Plan Objectives for those areas where soil impacts were encountered because of the following:

- residual impacts and response actions not associated with the construction activities (i.e., groundwater impacts and soil impacts in areas where construction activities are not performed) are being managed by Raytheon and the LSP-of-Record in accordance with a Phase V program and the site wide AUL and the December 21, 2011 Notice of AUL;
- the LSP-of-Record is notified of impacts encountered during the implementation of the RAM Plan; and
- potentially impacted soil is excavated when encountered as part of the construction activities.



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5.0 LSP OPINION

It is the opinion of the LSP that the RAM is being conducted in conformance with the RAM Plan and in accordance with the provisions contained in 310 CMR 40.0000.



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6.0 QUALIFICATION

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. VERTEX is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

It must be recognized that environmental investigations are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site investigation. All site subsurface conditions were not field investigated as part of this study and may differ from the conditions implied by the limited subsurface investigation. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties. This report does not warrant against future operations or conditions, nor does this report warrant against operations or conditions present of a type or at a location not investigated.

Our professional opinion and the conclusions contained herein are based solely on the scope of work conducted as described in this RAM Status Report. The reference to various MCP riskbased cleanup standards contained in this report is not intended to demonstrate the presence or absence of significant risk of harm, as defined in the MCP, but rather to provide a qualitative assessment of the results of the chemical analyses performed on soil and groundwater samples obtained from the Subject Site.



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Tables

 Table 1: Summary of Field PID Readings

Table 2: Summary of Soil Analytical Data - Post Excavation UST RemovalTable 3: Summary of Disposal Analytical DataTable 4: Summary of Generated StockpilesTable 5: Summary of Dust Monitoring

Location mp Basin 2A mp Basin 3A mp Basin 3 mp	Sample Identification TB-2A-A TB-2A-B TB-2A-B TB-2A-B TB-2A-B TB-2A-B TB-2A-B TB-2A-B TB-2A-B TB-2A-B TB-2A-C-5 TB-2A-D-4 TB-2A-D-7 TB-2A-E-3 TB-2A-E-3 TB-2A-G-7 TB-2A-H-5 TB-2A-113A TB-2A-113E TB-2A-113E TB-2A-113E TB-2A-117A TB-2A-117A TB-2A-117A TB-2A-117D CB-118E CB-118A CB-118A CB-118D CB-118C CB-118B CB-118C CB-118B CB-118A EB-118A EB-118A EB-118D EB-118D EB-118D EB-118D EB-118D EB-118D TB-3A-119A TB-3A-119A <t< th=""><th>$\begin{tabular}{ c c c c } \hline Depth & 8 & 8 & 4 & 8 & 10 & 15 & 5 & 5 & 11 & 15 & 5 & 5 & 5 & 5$</th><th>Northing 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 4693053 4693064</th></t<> <th>Easting 20204.08 20204.08 20204.08 20204.08 20204.08 20204.08 20204.08 <</th> <th>Measurement 0.1 0.0 <!--</th--><th>Comments Initial excavation screeining. Brown C-F Sand Brown C-F Sand Brown C-F Sand, Approximate water table dept Peat layer Brown F-C Sand Brown Silt w/ gravel Brown Silt w/ gravel Brown & gray F-C Sand Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, some organic material</th></th>	$\begin{tabular}{ c c c c } \hline Depth & 8 & 8 & 4 & 8 & 10 & 15 & 5 & 5 & 11 & 15 & 5 & 5 & 5 & 5 $	Northing 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 9416.20 4693053 4693064	Easting 20204.08 20204.08 20204.08 20204.08 20204.08 20204.08 20204.08 <	Measurement 0.1 0.0 </th <th>Comments Initial excavation screeining. Brown C-F Sand Brown C-F Sand Brown C-F Sand, Approximate water table dept Peat layer Brown F-C Sand Brown Silt w/ gravel Brown Silt w/ gravel Brown & gray F-C Sand Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, some organic material</th>	Comments Initial excavation screeining. Brown C-F Sand Brown C-F Sand Brown C-F Sand, Approximate water table dept Peat layer Brown F-C Sand Brown Silt w/ gravel Brown Silt w/ gravel Brown & gray F-C Sand Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, some organic material
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mp Basin 2A mp Basin 3A mp Basin 3 Basin 3	TB-2A-G-7 TB-2A-H-5 TB-2A-113A TB-2A-113B TB-2A-113C TB-2A-113D TB-2A-113E TB-2A-113E TB-2A-113E TB-2A-113E TB-2A-117A TB-2A-117B TB-2A-117B TB-2A-117C TB-2A-117D CB-118A CB-118B CB-118D CB-118E CB-118F CB-118G EB-118A EB-118B EB-118B EB-118D TB-3A-119A TB-3A-119D TB-3A-119E TB-3A-119F TB-3A-119F TB-3A-110A TB-3A-1110A TB-3A-1110A TB-3A-1110D	$\begin{array}{c} 7\\ 5\\ 7\\ 2\\ 7\\ 4\\ 4\\ 1\\ 1\\ 1\\ 1\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\$	4693056 4693059 4693059 4693086 4693053 4693053 4693085 4693075 4693081 4693081 4693064 4692925 4692927 4692931 4692937 4692943 4692947 4692947 4692951 4692947 4692951 4692947 4693122 4693124 4693124 4693123 4693081 4693033	304827 304834 304835 304835 304832 304845 304833 304791 303810 304773 304944 304944 304944 304944 304944 304944 304944 304944 304945 304940 303939 304939 304939 304939 304939 304879 304879 304850 304870 304987 304981 304973 304963 304962	0.0 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.3 0.0 0.0	Brown & gray F-C Sand Brown F-C Sand Brown & gray F-C Sand Brown F-C Sand Brown F-C Sand Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel
mp Basin 2A mp Basin 2A outhern Lot outhern Sa mp Basin 3A mp Basin 3A	TB-2A-H-5 TB-2A-113A TB-2A-113B TB-2A-113C TB-2A-113D TB-2A-113D TB-2A-113E TB-2A-113E TB-2A-117A TB-2A-117B TB-2A-117B TB-2A-117C TB-2A-117D CB-118A CB-118B CB-118C CB-118E CB-118F CB-118F CB-118B EB-118A EB-118B EB-118B EB-118D TB-3A-119A TB-3A-119B TB-3A-119F TB-3A-119F TB-3A-110A TB-3A-1110A TB-3A-1110B TB-3A-1110C	$ \begin{array}{r} 5 \\ 7 \\ 2 \\ 7 \\ 4 \\ 4 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 2 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ $	4693056 4693059 4693053 4693053 4693053 4693053 4693085 4693075 4693081 4693064 4692925 4692927 4692931 4692935 4692943 4692947 4692947 4692951 4692947 4692951 4692947 4692951 4692947 4693122 4693124 4693124 4693124 4693123 4693081 4693081 4693033	 304827 304834 304835 304835 304832 304845 304833 304791 303810 304773 304944 304944 304944 304944 304944 304942 304940 303939 304940 303939 304939 304874 304879 304850 304870 304987 304981 304973 304963 304962	0.0 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.3 0.0 0.0	Brown F-C Sand Brown & gray F-C Sand Brown F-C Sand Brown & gray F-C Sand Brown F-C Sand Brown F-C Sand Brown F-C Sand Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel
mp Basin 2A mp Basin 2A outhern Lot outhern Sain 3A mp Basin 3 Basin 3	TB-2A-113B TB-2A-113C TB-2A-113D TB-2A-113E TB-2A-113E TB-2A-117A TB-2A-117B TB-2A-117B TB-2A-117C TB-2A-117D CB-118A CB-118B CB-118D CB-118F CB-118F CB-118B EB-118G EB-118B EB-118B EB-118D TB-3A-119A TB-3A-119D TB-3A-119F TB-3A-119F TB-3A-110A TB-3A-1110A TB-3A-1110B TB-3A-1110C	$\begin{array}{c} 2 \\ 7 \\ 4 \\ 4 \\ 1 \\ 1 \\ 1 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$	4693059 4693086 4693086 4693053 4693053 4693085 4693085 4693075 4693081 4693064 4692925 4692931 4692933 4692943 4692947 4692937 4692936 4692927 4692936 4692937 4692936 4692917 469312 469312 469312 4693123 4693123 4693081 4693081 4693033	304834 304835 304835 304835 304832 304845 304845 304833 304791 303810 304773 304944 304944 304944 304942 304942 304940 303939 304940 303939 304940 303939 304940 303939 304940 303939 304940 304939 304939 304850 304850 304850 304987 304981 304973 304963 304962	0.0 0.0 0.0 0.0 0.1 0.3 0.0 0.0	Brown F-C Sand Brown & gray F-C Sand Brown F-C Sand Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
mp Basin 2A mp Basin 2A outhern Lot outhern Sasin 3A mp Basin 3 Basin 3	TB-2A-113C TB-2A-113D TB-2A-113E TB-2A-117A TB-2A-117B TB-2A-117C TB-2A-117D CB-118A CB-118B CB-118B CB-118D CB-118E CB-118F CB-118G EB-118A EB-118B EB-118B EB-118B EB-118D TB-3A-119A TB-3A-119D TB-3A-119F TB-3A-119F TB-3A-110A TB-3A-1110A TB-3A-1110D	$\begin{array}{c} 7 \\ 4 \\ 4 \\ 1 \\ 1 \\ 1 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$	4693086 4693053 4693053 4693053 4693085 4693075 4693081 4693064 4692025 4692927 4692931 4692943 4692947 4692937 4692936 4692927 4692937 4692936 4692927 4692936 4692917 469312 469312 469312 4693123 4693123 4693081 4693033	304835 304832 304845 304845 304833 304791 303810 304773 304944 304944 304944 304942 304940 303939 304940 303939 304940 303939 304940 303939 304940 303939 304940 303939 304940 3049417 304850 304850 304850 304887 304981 304973 304963 304962	$\begin{array}{c} 0.0 \\ 0.0 \\ 0.0 \\ 0.4 \\ 0.7 \\ 0.1 \\ 0.3 \\ 0.0 \\$	Brown & gray F-C Sand Brown F-C Sand Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel </td
mp Basin 2A mp Basin 2A outhern Lot outhern Sasin 3A mp Basin 3 Basin 3 Basin 3	TB-2A-113D TB-2A-113E TB-2A-117A TB-2A-117B TB-2A-117C TB-2A-117C TB-2A-117D CB-118A CB-118B CB-118B CB-118D CB-118E CB-118F CB-118F CB-118B EB-118G EB-118B EB-118B EB-118D TB-3A-119A TB-3A-119D TB-3A-119F TB-3A-110A TB-3A-1110A TB-3A-1110B TB-3A-1110C	$\begin{array}{c} 4 \\ 4 \\ 1 \\ 1 \\ 1 \\ 1 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$	4693053 4693053 4693085 4693085 4693075 4693081 4693064 4692025 4692927 4692931 4692935 4692943 4692947 4692937 4692936 4692927 4692936 4692927 4692917 4692917 469312 469312 469312 4693123 4693123 4693081 4693033	304832 304845 304845 304833 304791 303810 304773 304944 304944 304943 304942 304940 303939 304940 303939 304939 304939 304894 304917 304879 304850 304850 304850 304873 304971 304973 304963 304962	0.0 0.4 0.7 0.1 0.3 0.0 0.1	Brown F-C Sand Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel
mp Basin 2A mp Basin 2A mp Basin 2A mp Basin 2A mp Basin 2A outhern Lot outhern Sasin 3A mp Basin 3 Basin 3	TB-2A-113E TB-2A-117A TB-2A-117B TB-2A-117C TB-2A-117C TB-2A-117D CB-118A CB-118B CB-118B CB-118B CB-118D CB-118E CB-118F CB-118F CB-118B EB-118G EB-118B EB-118B EB-118D TB-3A-119A TB-3A-119D TB-3A-119F TB-3A-119F TB-3A-110A TB-3A-1110A TB-3A-1110D	$\begin{array}{c} 4 \\ 1 \\ 1 \\ 1 \\ 1 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$	4693053 4693085 4693085 4693075 4693081 4693084 4693064 4692925 4692927 4692931 4692935 4692943 4692947 4692937 4692936 4692929 4692917 4692917 4693132 4693124 4693125 4693123 4693123 4693081 4693033	304845 304833 304791 303810 304773 304944 304944 304944 304944 304944 304942 304940 303939 304940 303939 304940 303939 304940 303939 304940 303939 304939 304894 304917 304850 304850 304887 304987 304981 304973 304963 304962	$\begin{array}{c} 0.0 \\ 0.4 \\ 0.7 \\ 0.1 \\ 0.3 \\ 0.0 \\ 0.4 \\ 0.4 \\ 0.1 \\ 0.0 \\ 0.4 \\ 0.1 \\ 0.0 \\ 0.4 \\ 0.1 \\ 0.0 \\ 0.4 \\ 0.1 \\ 0.0 \\ 0.4 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.4 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.4 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.4 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.4 \\ 0.0 \\$	Brown F-C Sand Loam/topsoil Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel Brown F-C Sand, little Gra
mp Basin 2A mp Basin 2A mp Basin 2A outhern Lot outhern Sasin 3A mp Basin 3A	TB-2A-117B TB-2A-117C TB-2A-117D CB-118A CB-118B CB-118C CB-118D CB-118E CB-118F CB-118F CB-118F CB-118F CB-118B EB-118F CB-118B EB-118G EB-118D EB-119A TB-3A-119P TB-3A-119F TB-3A-119F TB-3A-110A TB-3A-1110A TB-3A-1110D	$ \begin{array}{c} 1\\ 1\\ 1\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 3\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\$	4693075 4693081 4693064 4692925 4692927 4692931 4692933 4692943 4692947 4692937 4692936 4692927 4692936 4692937 4692937 4692936 4692917 469312 4693124 4693125 4693123 4693081 4693033	304791 303810 304773 304944 304944 304943 304942 304940 303939 304939 304939 304894 304917 304879 304850 304850 304850 304871 304981 304973 304963 304962	$\begin{array}{c} 0.7 \\ \hline 0.1 \\ \hline 0.3 \\ \hline 0.0 \\ \hline 0.1 \\ \hline 0.0 \\ \hline 0.0 \\ \hline 0.0 \\ \hline 0.1 \\ \hline 0.0 \\ \hline$	Loam/topsoil Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
mp Basin 2A mp Basin 2A outhern Lot outhern Sasin 3A mp Basin 3A	TB-2A-117C TB-2A-117D CB-118A CB-118B CB-118C CB-118D CB-118E CB-118F CB-118F CB-118F CB-118F CB-118F CB-118F CB-118F CB-118F CB-118F CB-118G EB-118C EB-118D EB-119D TB-3A-119P TB-3A-119P TB-3A-119P TB-3A-119A TB-3A-110A TB-3A-1110A TB-3A-1110C	$ \begin{array}{c} 1\\ 1\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 3\\ 8\\ 2\\ 3\\ 5\\ 5\\ 5\\ 5\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\$	4693081 4693064 4692925 4692927 4692931 4692933 4692943 4692943 4692947 4692937 4692936 4692929 4692917 4693132 4693124 4693125 4693123 4693081 4693033	303810 304773 304944 304944 304943 304942 304940 303939 304939 304939 304939 304939 304939 304894 304939 304894 304939 304894 304939 304879 304850 304880 304987 304981 304973 304963 304962	$\begin{array}{c c} 0.1 \\ \hline 0.3 \\ \hline 0.0 \\ \hline 0.1 \\ \hline 0.0 \\$	Loam/topsoil Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel
mp Basin 2A outhern Lot outhern Sasin 3A mp Basin 3 Basin 3	TB-2A-117D CB-118A CB-118B CB-118C CB-118D CB-118E CB-118F CB-118F CB-118F CB-118F CB-118F CB-118F CB-118F CB-118F CB-118F CB-118G EB-118C EB-118D TB-3A-119A TB-3A-119F TB-3A-119F TB-3A-110A TB-3A-1110A TB-3A-1110C	$ \begin{array}{c} 1\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 6\\ 4\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 3\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\ 5\\$	4693064 4692925 4692927 4692931 4692935 4692943 4692947 4692937 4692936 4692929 4692917 4692917 4693132 4693124 4693125 4693123 4693081 4693033	304773 304944 304944 304943 304942 304940 303939 304939 304939 304939 304939 304939 304894 304939 304894 304939 304894 304939 304879 304850 304880 304987 304981 304973 304963 304962	0.3 0.0	Loam/topsoil Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
outhern Lot outhern Sain 3A mp Basin 3 Basin 3	CB-118B CB-118C CB-118C CB-118D CB-118E CB-118F CB-118G EB-118A EB-118B EB-118C EB-118D EB-118E TB-3A-119A TB-3A-119B TB-3A-119D TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	$ \begin{array}{r} 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ 4 \\ 6 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ \end{array} $	4692927 4692931 4692935 4692943 4692947 4692951 4692937 4692936 4692929 4692917 4693132 4693124 4693125 4693123 4693033	304944 304943 304942 304940 303939 304939 304939 304939 304939 304939 304939 304894 304939 304894 304917 304879 304850 304880 304987 304981 304973 304963 304962	0.0 0.0	Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, little Gravel
outhern Lot outhern Lot mp Basin 3A mp Basin 3 Basin 3	CB-118C CB-118D CB-118E CB-118F CB-118G EB-118A EB-118B EB-118C EB-118D EB-118C EB-118E TB-3A-119A TB-3A-119D TB-3A-119F TB-3A-119F TB-2-119A TB-3A-1110A TB-3A-1110B TB-3A-1110C	$ \begin{array}{r} 6 \\ 4 \\ 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ 4 \\ 6 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ \end{array} $	4692931 4692935 4692943 4692947 4692951 4692937 4692936 4692929 4692917 4693132 4693124 4693125 4693123 4693081 4693033	304943 304942 304940 303939 304939 304971 304850 304887 304987 304981 304973 304983	$\begin{array}{c} 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.4 \\ \end{array}$	Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Blue-gray Sand, little Gravel Brown F-C Sand, little Gravel
outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3 mp Basin 3 Basin 3	CB-118D CB-118E CB-118F CB-118G EB-118G EB-118A EB-118D EB-118D EB-118C EB-118E TB-3A-119A TB-3A-119D TB-3A-119D TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	$ \begin{array}{r} 4 \\ 6 \\ 4 \\ 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ 4 \\ 6 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ \end{array} $	4692935 4692943 4692947 4692951 4692937 4692936 4692929 4692917 4693132 4693124 4693125 4693123 4693081 4693033	304942 304940 303939 304939 304894 304917 304879 304850 304850 304830 304987 304971 304981 304973 304963 304962	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, some organic material Blue-gray Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Gray Silt and clay Black peat
outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3 Basin 3	CB-118E CB-118F CB-118G EB-118G EB-118A EB-118D EB-118C EB-118D EB-118E TB-3A-119A TB-3A-119B TB-3A-119D TB-3A-119F TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B	$ \begin{array}{r} 6 \\ 4 \\ 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ 4 \\ 6 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ \end{array} $	4692943 4692947 4692951 4692937 4692936 4692929 4692927 4693132 4693124 4693125 4693123 4693123 4693123 4693123 4693123 4693033	304940 303939 304939 304894 304917 304879 304850 304850 304830 304987 304971 304981 304973 304963 304962	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0	Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, some organic material Blue-gray Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Gray Silt and clay Black peat
outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3 Basin 3 Basin 3	CB-118G EB-118A EB-118B EB-118C EB-118D EB-118D EB-118D TB-3A-119A TB-3A-119C TB-3A-119D TB-3A-119E TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110C	$ \begin{array}{r} 6 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ 6 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ \end{array} $	4692951 4692937 4692936 4692929 4692927 4692917 4693132 4693124 4693124 4693124 4693125 4693123 4693123 4693081 4693033	304939 304894 304917 304879 304850 304830 304987 304971 304981 304973 304963 304962	0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0	Brown F-C Sand, little Gravel Brown F-C Sand, some organic material Brown F-C Sand, some organic material Blue-gray Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Gray Silt and clay Black peat
outhern Lot outhern Lot outhern Lot outhern Lot outhern Lot mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	EB-118A EB-118B EB-118C EB-118D EB-118E TB-3A-119A TB-3A-119B TB-3A-119D TB-3A-119D TB-3A-119F TB-2-119A TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B	$ \begin{array}{r} 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ 4 \\ 6 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ \end{array} $	4692937 4692936 4692929 4692927 4693132 4693124 4693124 4693125 4693123 4693081 4693033	304894 304917 304879 304850 304830 304987 304971 304981 304973 304963 304962	0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0 0.0	Brown F-C Sand, some organic material Brown F-C Sand, some organic material Blue-gray Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Gray Silt and clay Black peat
outhern Lot outhern Lot outhern Lot outhern Lot mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	EB-118B EB-118C EB-118D EB-118E TB-3A-119A TB-3A-119B TB-3A-119C TB-3A-119D TB-3A-119F TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ 6 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ \end{array} $	4692936 4692929 4692927 4692917 4693132 4693124 4693124 4693124 4693125 4693125 4693123 4693123 4693081 4693033	304917 304879 304850 304830 304987 304971 304981 304973 304963 304962	0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.4	Brown F-C Sand, some organic material Brown F-C Sand, some organic material Brown F-C Sand, some organic material Brown F-C Sand, some organic material Blue-gray Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Gray Silt and clay Black peat
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outhern Lot outhern Lot mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	EB-118D EB-118E TB-3A-119A TB-3A-119B TB-3A-119C TB-3A-119D TB-3A-119E TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	$ \begin{array}{r} 2 \\ 2 \\ 4 \\ 6 \\ 3 \\ 8 \\ 2 \\ 3 \\ 5 \\ \end{array} $	4692927 4692917 4693132 4693124 4693124 4693124 4693125 4693125 4693123 4693081 4693033	304850 304830 304987 304971 304981 304973 304963 304962	0.0 0.0 0.1 0.0 0.0 0.0 0.4	Brown F-C Sand, some organic material Brown F-C Sand, some organic material Blue-gray Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Gray Silt and clay Black peat
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mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	TB-3A-119B TB-3A-119C TB-3A-119D TB-3A-119E TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	4 6 3 8 2 3 5	4693124 4693112 4693124 4693125 4693123 4693081 4693033	304971 304981 304973 304963 304962	0.0 0.0 0.0 0.4	Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Gray Silt and clay Black peat
mp Basin 3A mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	TB-3A-119C TB-3A-119D TB-3A-119E TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	4 6 3 8 2 3 5	4693112 4693124 4693125 4693123 4693081 4693033	304981 304973 304963 304962	0.0 0.0 0.4	Brown F-C Sand, little Gravel Gray Silt and clay Black peat
mp Basin 3A mp Basin 3A mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	TB-3A-119D TB-3A-119E TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	6 3 8 2 3 5	4693124 4693125 4693123 4693081 4693033	304973 304963 304962	0.0 0.4	Gray Silt and clay Black peat
mp Basin 3A Basin 2 Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	TB-3A-119F TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	8 2 3 5	4693123 4693081 4693033	304962		
Basin 2 Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	TB-2-119A TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	2 3 5	4693081 4693033		() ()	
Basin 2 mp Basin 3A mp Basin 3A mp Basin 3A Basin 3 Basin 3	TB-2-119B TB-3A-1110A TB-3A-1110B TB-3A-1110C	3 5	4693033	307772	0.2	Gray Silt and clay Brown F-C Sand, little Gravel
mp Basin 3A mp Basin 3A Basin 3 Basin 3	TB-3A-1110B TB-3A-1110C		4602111	304727	0.0	Brown F-C Sand, little Gravel
mp Basin 3A Basin 3 Basin 3	TB-3A-1110C	5	4693111	304963	0.2	Brown F-C Sand, little Gravel
Basin 3 Basin 3			4693105	304968	0.1	Black peat
Basin 3	D= 3= 1 1 1 D A	5 3	4693090 4693168	304965 304942	0.8	Black peat Black peat
Basin 3	B-3-1116B	5	4693152	304943	0.1	Brown F-C Sand, little Gravel
	B-3-1116C	4	4693138	304941	0.2	Brown F-C Sand, little Gravel
Basin 3	B-3-1117A	4	4693170 4693153	304984	0.0	Wet Brown F-C Sand
Basin 3 outhern Lot	B-3-1117B SL-1117A	5	4693155	304958 304886	0.1	Gray Silt and clay Black peat
outhern Lot	SL-1117B	6	4693003	304897	0.1	Gray Silt and clay
outhern Lot	SL-1117C	2	4693019	304900	0.0	Light Brown F-C Sand
outhern Lot	SL-1117D SL-1117E	5	4693024 4693034	304910 304902	0.0	Light Brown F-C Sand Light Brown F-C Sand
outhern Lot	SL-1117E SL-1117F	6	4693049	304902	0.0	Light Brown F-C Sand
outhern Lot	SL-1117G	2	4693042	304932	0.0	Light Brown F-C Sand
outhern Lot	SL-1118A	2	4693033	304917	0.0	Light Brown F-C Sand
						Light Brown F-C Sand Brown F-C Sand
outhern Lot			4693024	304922	0.0	Brown F-C Sand
outhern Lot	SL-1118E	4	4693017	304898	0.0	Brown F-C Sand, little Gravel
outhern Lot	SL-1118F	4	4693012			Brown F-C Sand, little Gravel
						Brown F-C Sand, little Gravel Wet Brown F-C Sand and silt
outhern Lot		3	4693041 4693029	304920 304917	0.0	Brown F-C Sand and shit
outhern Lot	SL-1121B	3	4693035	304924	0.1	Oxidized Light Brown F-C Sand
outhern Lot	SL-1121C	4	4693033	304931	0.0	Oxidized Light Brown F-C Sand
outhern Lot						Tan M-C Sand, stratified Brown F-C Sand
outhern Lot	SL-1121E SL-1121F	4 4	4693034 4693032	304953 304904	0.0	Brown F-C Sand, little Gravel
outhern Lot	SL-1121G	4	4693021	304893	0.1	Brown F-C Sand, little Gravel
outhern Lot	SL-1121H	4	4693017	304884	0.1	Dark Brown Peat
outhern Lot						Dark Brown Peat Tan Silt, some Clay
outhern Lot	SL-11213 SL-1122A	7	4693032	304855	0.0	Gray Silt and clay
outhern Lot	SL-1122B	6	4693028	304936	0.0	Dark Brown Sand and Gravel
Basin 2	B-2-1122A	3	4693044	304746	0.0	Black peat
						Light Brown F-C Sand Brown F-C Sand, light oxidation
Basin 2	B-2-1128A B-2-1128B	2	4693081	304923	0.1	Block peat
outhern Lot	SL-1128B	6	4693015	304912	0.0	Tan Silt and fine Sand
Outhern Lot	SL-1128C	6		304900	0.1	Tan F-C Sand, some Silt
Basin 2 Basin 2						Light tan Sand Light Brown F-C Sand, some Gravel
Basin 2 Basin 2	B-2-1128D B-2-1128E	2.5	4693071	304728	0.1	Brown F-C Sand, some Gravel
Basin 2	B-2-1128F	3	4693072	304743	0.0	Gray Sand, some Gravel
Basin 2	B-2-1128G	4	4693067	304729	0.0	Black peat and Brown-oxidized F-C Sand
Basin 2						Brown M-C Sand Brown F-C Sand, some Gravel
Basin 2 Basin 2	B-2-1128H B-2-1128H	3	4693056	304739	0.0	Brown F-C Sand, some Gravel
sidential Area	Res-1129A	0.5	4693067	304930	0.0	Brown F-C Sand, trace oxidized material
Resin 2	Res-1129B	0.5	4693066	304925	0.0	Brown F-C Sand, trace oxidized material
Basin 2 outhern Lot						Blue-gray Sand, little Gravel Light brown oxidized F-C Sand, some Grave
outhern Lot	SL-1129A SL-1129B	4 4	4692938	304889	0.0	Light brown oxidized F-C Sand, some Grave
outhern Lot	SL-1129C	4	4692899	304888	0.1	Light brown oxidized F-C Sand, some Grave
	SL-1129D	4	4692878	304888	0.0	Light brown oxidized F-C Sand, some Grave
outhern Lot						Black peat Tan F-C Sand, some Gravel
	them Lotthem Lotathern Lotathern LotBasin 2Basin 2Idential AreaBasin 2them Lotthem Lotthem Lotthem Lotthem Lotthem Lotthem Lot	them Lot $SL-1118B$ athern Lot $SL-1118C$ athern Lot $SL-1118D$ athern Lot $SL-1118F$ athern Lot $SL-1121A$ athern Lot $SL-1121B$ athern Lot $SL-1121C$ athern Lot $SL-1121D$ athern Lot $SL-1121F$ athern Lot $SL-1122A$ asain 2 $B-2-1128F$ asain 3 $B-2-1128F$ asain 4 $B-2-1128F$ asain 5 $B-2-1128F$ asain 6 $B-2-1128F$ <td>them Lot SL-1118B 3 athern Lot SL-1118C 7 athern Lot SL-1118D 5 athern Lot SL-1118E 4 athern Lot SL-1118F 4 athern Lot SL-1118F 4 athern Lot SL-1118F 4 athern Lot SL-1118H 7 athern Lot SL-1121A 3 athern Lot SL-1121B 3 athern Lot SL-1121D 4 athern Lot SL-1121D 4 athern Lot SL-1121F 4 athern Lot SL-1121A 5 athern Lot SL-1122A 7 athern Lot SL-1122A 7</td> <td>athern Lot SL-1118B 3 4693041 athern Lot SL-1118C 7 4693024 athern Lot SL-1118D 5 4693024 athern Lot SL-1118F 4 4693017 athern Lot SL-1118F 4 4693012 athern Lot SL-1118F 4 4693012 athern Lot SL-1121A 3 4693029 athern Lot SL-1121B 3 4693033 athern Lot SL-1121D 4 4693033 athern Lot SL-1121D 4 4693033 athern Lot SL-1121F 4 4693034 athern Lot SL-1121F 4 4693017 athern Lot SL-1121H 4 4693017 athern Lot SL-1122A 7 4693021 athern Lot SL-11</td> <td>them Lot SL-1118B 3 4693041 304918 them Lot SL-1118C 7 4693042 304912 them Lot SL-1118D 5 4693024 304911 them Lot SL-1118F 4 4693017 304898 them Lot SL-1118F 4 4693017 304876 them Lot SL-1118F 4 4693029 304917 them Lot SL-1121A 3 4693029 304917 them Lot SL-1121B 3 4693033 304931 them Lot SL-1121D 4 4693035 304949 them Lot SL-1121E 4 4693032 304904 them Lot SL-1121G 4 4693021 304893 them Lot SL-1121H 4 4693023 304904 them Lot SL-1121H 4 4693021 304883 them Lot SL-1121H 4 4693022 304936 sain 2 B-2-112A 7 4693032</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td>	them Lot SL-1118B 3 athern Lot SL-1118C 7 athern Lot SL-1118D 5 athern Lot SL-1118E 4 athern Lot SL-1118F 4 athern Lot SL-1118F 4 athern Lot SL-1118F 4 athern Lot SL-1118H 7 athern Lot SL-1121A 3 athern Lot SL-1121B 3 athern Lot SL-1121D 4 athern Lot SL-1121D 4 athern Lot SL-1121F 4 athern Lot SL-1121A 5 athern Lot SL-1122A 7 athern Lot SL-1122A 7	athern Lot SL-1118B 3 4693041 athern Lot SL-1118C 7 4693024 athern Lot SL-1118D 5 4693024 athern Lot SL-1118F 4 4693017 athern Lot SL-1118F 4 4693012 athern Lot SL-1118F 4 4693012 athern Lot SL-1121A 3 4693029 athern Lot SL-1121B 3 4693033 athern Lot SL-1121D 4 4693033 athern Lot SL-1121D 4 4693033 athern Lot SL-1121F 4 4693034 athern Lot SL-1121F 4 4693017 athern Lot SL-1121H 4 4693017 athern Lot SL-1122A 7 4693021 athern Lot SL-11	them Lot SL-1118B 3 4693041 304918 them Lot SL-1118C 7 4693042 304912 them Lot SL-1118D 5 4693024 304911 them Lot SL-1118F 4 4693017 304898 them Lot SL-1118F 4 4693017 304876 them Lot SL-1118F 4 4693029 304917 them Lot SL-1121A 3 4693029 304917 them Lot SL-1121B 3 4693033 304931 them Lot SL-1121D 4 4693035 304949 them Lot SL-1121E 4 4693032 304904 them Lot SL-1121G 4 4693021 304893 them Lot SL-1121H 4 4693023 304904 them Lot SL-1121H 4 4693021 304883 them Lot SL-1121H 4 4693022 304936 sain 2 B-2-112A 7 4693032	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Date	Location	Sample Identification	Depth	Northing	Easting	Measurement	Comments
11/30/2011	Southern Lot	SL-1130A	5	4692989 4693056	304850	0.0	Brown Sand and Silt
11/30/2011 11/30/2011	Basin 2 Southern Lot	B-2-1130A SL-1130B	<u>6</u> 5	4693056	304729 304843	0.1 0.0	Brown-Gray Silt and Clay Brown Sand and Silt
11/30/2011 11/30/2011	Basin 2 Southern Lot	B-2-1130B SL-1130C	6 6	4693060 4692977	304718 304835	0.8 0.4	Gray Sand and Silt Tan Silt and Clay
11/30/2011	Southern Lot	SL-1130D	5	4692968	304835	2.1	Brown Sand and Gravel
11/30/2011 11/30/2011	Southern Lot Basin 2	SL-1130E B-2-1130C	5 6	4692966 4693086	304824 304725	0.4	Brown Silt and Clay Brown and Blue Clay and Silt
11/30/2011	Southern Lot	SL-1130F	4	4692997	304800	0.9	Brown Sand and Gravel
11/30/2011 11/30/2011	Southern Lot Southern Lot	SL-1130G SL-1130H	4 5	4693001 4692998	304886 304873	0.7	Brown Sand and Gravel Dark Brown Peat
11/30/2011	Southern Lot	SL-1130I	4	4692991	304863	0.3	Brown Sand and Gravel
11/30/2011 11/30/2011	Basin 2 Southern Lot	B-2-1130D SL-1130J	6 4	4693061 4692982	304728 304852	0.8	Tan Sand and Silt Brown Sand
11/30/2011	Southern Lot	SL-1130K B-2-1130E	4	4692972 4693072	304860 304752	0.9 0.5	Brown Sand Blue/gray Silt and sand
11/30/2011 11/30/2011	Basin 2 Southern Lot	SL-1130E	7 7	4692996	304752 304890	0.5	Oxidized Tan Silt
12/1/2011 12/1/2011	Southern Lot Basin 2	SL-1201A B-2-1201A	7 6	4692996 4693070	304887 304756	0.0	Oxidized tan Silt and Clay Blue-gray Sand, little Gravel
12/1/2011	Basin 2 Basin 2	B-2-1201B	6	4693068	304758	0.1	Blue-gray Sand, little Gravel
12/1/2011 12/1/2011	Basin 2 Basin 2	B-2-1201C B-2-1201D	3 2	4693075 4693099	304766 304765	0.0	Black peat Oxidized brown Sand
12/2/2011	Raytheon Building	RP-1202A	0	4692949	305173	0.0	Brown F-C Sand, some Gravel
12/2/2011	Pad Residential Area	Res-1202A	6	4693062	304932	0.1	Brown F-C Sand, some Gravel
12/2/2011	Residential Area	Res-1202B	7	4693061	304920	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202B	1	4692936	305164	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202C	0.5	4692932	305168	0.1	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202D	0.5	4692932	305134	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202E	0	4692927	305119	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202F	0.5	4692923	305110	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202G	1	4692930	305097	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202H	0.5	4692927	305091	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202I	0.5	4692924	305074	0.0	Dark Brown Peat
12/2/2011	Raytheon Building Pad	RP-1202J	0	4692917	305071	0.0	Oxidized brown Sand
12/2/2011	Raytheon Building Pad	RP-1202K	0.5	4692914	305056	0.0	Oxidized brown Sand
12/2/2011	Raytheon Building Pad	RP-1202L	0	4692926	305054	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202M	2	4692921	305049	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202O	1	4692937	305153	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202P	2	4692949	305141	0.0	Brown F-C Sand, some Gravel
12/2/2011	Raytheon Building Pad	RP-1202Q	2	4692914	305020	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205A	0.5	4692943	305111	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205B	0	4692940	305097	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205C	3	4692937	305090	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205D	0	4692952	305088	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205E	1	4692932	305061	0.1	Brown Peat
12/5/2011	Raytheon Building Pad	RP-1205F	0.5	4692934	305052	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205G	3	4692959	305174	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205H	3	4692933	305176	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205I	3	4692925	305137	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205J	0.5	4692942	305048	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205K	0	4692946	305044	0.1	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205	3	4692929	305075	0.0	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205M	4	4692942	305064	0.9	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad	RP-1205O	7	4692942	305064	0.1	Brown F-C Sand, some Gravel
12/5/2011	Raytheon Building Pad Raytheon Building	RP-1205P	3	4692918	305049	0.1	Brown F-C Sand, some Gravel
12/5/2011	Pad Raytheon Building	RP-1205Q	0.5	4692931	305009	0.1	Brown F-C Sand, some Gravel
12/5/2011	Pad Raytheon Building	RP-1205R	4	4692911	305017	0.2	Brown F-C Sand, some Gravel
12/6/2011	Pad Raytheon Building	RP-1206A	0.5	4692964	305002	0.0	Brown F-C Sand, some Gravel
12/6/2011	Pad Raytheon Building	RP-1206B	4	4692917	305008	0.1	Brown F-C Sand, some Gravel
12/6/2011	Pad Raytheon Building	RP-1206C	0.5	4692983	304995	0.0	Brown F-C oxidized Sand, some Gravel
12/6/2011	Pad Raytheon Building	RP-1206D	1	4692988	305007	0.1	Gray Gravel, some Sand
12/6/2011	Pad	RP-1206E	0.5	4692982	305027	0.0	Brown F-C Sand, some Gravel

Date	Location	Sample Identification	Depth	Northing	Easting	Measurement	Comments
12/6/2011	Raytheon Building Pad	RP-1206F	1	4692986	304990	0.0	Brown F-C oxidized Sand, some Gravel
12/6/2011	Raytheon Building	RP-1206G	1	4692994	305042	0.0	Brown F-C oxidized Sand, some Gravel
12/6/2011	Pad Raytheon Building	RP-1206H	0	4692990	305053	0.1	Brown F-C Sand, some Gravel
	Pad Raytheon Building						
12/6/2011	Pad Raytheon Building	RP-1206I	0.5	4692979	305071	0.0	Brown F-C Sand, some Gravel
12/6/2011	Pad	RP-1206J	0	4692961	305094	0.1	Brown F-C Sand, some Gravel
12/7/2011	Insulating Oil USTs	SMP-A	3			0.3	Brown F-C Sand, little Gravel, moist
12/7/2011	Insulating Oil USTs	Sidewall A 3000 A 5'	5			0.0	Brown F-C Sand, little Gravel, moist
12/7/2011	Insulating Oil USTs	Sidewall B 3000 B 6'	6			0.0	Brown F-C Sand, little Gravel, moist
12/7/2011	DISP 20K Raytheon Building	No. 6 Fuel Oil Stockpile				0.0	Brown F-C Sand and concrete, damp
12/7/2011	Pad	RP-1207A	3	4692944	305171	0.0	Brown F-C Sand, some Gravel
12/7/2011	Raytheon Building Pad	RP-1207B	3	4692941	205156	0.0	Brown-orange F-C Sand, some Gravel
12/7/2011	Raytheon Building Pad	RP-1207C	0.5	4692964	305154	0.1	Brown-yellow F-C Sand, some Gravel
12/7/2011	Raytheon Building Pad	RP-1207D	4	4692938	305134	0.0	Brown F-C Sand, some Gravel
12/7/2011	Raytheon Building Pad	RP-1207E	4	4692936	305104	0.0	Brown F-C Sand, some Gravel
12/7/2011	Raytheon Building	RP-1207F	4	4692934	305090	0.1	Brown F-C Sand, some Gravel
12/7/2011	Pad Raytheon Building	RP-1207G	4	4692925	305072	0.0	Brown F-C Sand, some Gravel
	Pad Raytheon Building						
12/7/2011	Pad Raytheon Building	RP-1207H	2	4692952	305072	0.4	Coal ash and sand
12/7/2011	Pad	RP-1207I	3	4692956	305102	0.1	Brown F-C Sand, some Gravel
12/7/2011	Raytheon Building Pad	RP-1207J	3	4692956	305125	0.0	Brown F-C Sand, some Gravel
12/8/2011	Raytheon Building Pad	RP-1208A	2			0.0	light brown C-F SAND, little gravel
12/8/2011	Raytheon Building Pad	RP-1208B	2			0.0	light brown C-F SAND, little gravel
12/8/2011	Raytheon Building Pad	RP-1208C	2			0.0	light brown C-F SAND, little gravel
12/8/2011	Raytheon Building	RP-1208D	2			0.0	light gray/beige C-F SAND
12/8/2011	Pad Raytheon Building	RP-1208E	2			0.0	light brown C-F SAND, little gravel
	Pad Raytheon Building						
12/8/2011	Pad Raytheon Building	RP-1208F	2			0.0	light gray/beige C-F SAND
12/8/2011	Pad Raytheon Building	RP-1208G	2			0.0	light gray/beige C-F SAND
12/8/2011	Pad	RPT-1208A	4			0.0	light brown C-F SAND, little gravel
12/8/2011	Raytheon Building Pad	RPT-1208B	4			0.0	light gray/beige C-F SAND
12/8/2011	Raytheon Building Pad	RPT-1208C	2			0.0	light brown C-F SAND, little gravel
12/8/2011	Raytheon Building Pad	RPT-1208D	5			0.0	light gray/beige C-F SAND
12/8/2011	Raytheon Building	RPT-1208E	4			0.0	light gray/beige C-F SAND
12/8/2011	Pad Southern Lot	RU-1208A	6			0.0	light brown C-F SAND, little gravel
12/8/2011 12/8/2011	Southern Lot Southern Lot	RU-1208B RU-1208C	8 12			0.0	light brown C-F SAND, little gravel light gray/light blue silty SAND with gravel
12/8/2011	Southern Lot	RU-1208D	12			0.0	light gray/light blue silty SAND with gravel
12/8/2011 12/8/2011	Southern Lot Southern Lot	RU-1208E RU-1208F	<u>6</u> 12			0.0 0.0	light brown C-F SAND, little gravel light gray/light blue silty SAND with gravel
12/8/2011	Insulating Oil USTs	SW-C-3kB-5	5	4692966	305111	0.0	Brown F-C Sand, little Gravel
12/8/2011	Insulating Oil USTs	SW-D-3kB-5	5	4692963	305107	0.1	Brown F-C Sand, little Gravel
12/8/2011	Insulating Oil	SW-E-3kA-5	5	4692963	305099	0.1	Brown F-C Sand, little Gravel
12/8/2011	USTs Insulating Oil	SW-F-3kA-5	5	4692966	305094	0.0	Brown F-C Sand, little Gravel
12/8/2011	USTs Insulating Oil	BT-3kA-7	7			0.1	Brown F-C Sand, little Gravel, wet
	USTs Insulating Oil						
12/8/2011	USTs Insulating Oil UST	BT-3kB-7	7			0.2	Brown F-C Sand, little Gravel, wet
12/8/2011	Contents	Disp-3k				0.1	Concrete
12/8/2011	No. 6 Fuel Oil UST	SW-A-20k-11	11	4692031	305083	0.5	Dark brown F-C Sand, little Gravel
12/8/2011	No. 6 Fuel Oil UST	SW-B-20k-10	10	4693031	305089	0.4	Dark brown F-C Sand, little Gravel
12/8/2011	No. 6 Fuel Oil UST	SW-C-20k-9	9	4693028	305098	0.3	Brown F-C Sand, little Gravel
12/8/2011	No. 6 Fuel Oil UST	SW-D-20k-11	11	4693020	305090	0.1	Dark brown F-C Sand, little Gravel
	No. 6 Fuel Oil	SW-E-20k-10	10	4693020	305085	0.2	Brown F-C Sand, little Gravel
12/8/2011	UST			4693025	305079	0.2	Dark brown F-C Sand, little Gravel
	No. 6 Fuel Oil	SW-F-201-9	9		555017	0.2	_ and or owner of Sund, inde Oraver
12/8/2011		SW-F-20k-9	9			2.2	Dark brown E.C. Sand trace Crevel
12/8/2011 12/8/2011	No. 6 Fuel Oil UST	BT-G-20k-13	13			2.2	Dark brown F-C Sand, trace Gravel
12/8/2011	No. 6 Fuel Oil UST No. 6 Fuel Oil UST					2.2 22.8 13.2	Dark brown F-C Sand, trace Gravel Black F-C Sand, trace Gravel, odor Black and Brown F-C Sand, trace Gravel, odo

Date	Location	Sample Identification	Depth	Northing	Easting	Measurement	Comments
12/9/2011	Raytheon Building Pad	RP-1209A	4	4692958	305169	0.0	Brown F-C Sand, little Gravel
12/9/2011	Pad Raytheon Building Pad	RP-1209B	4	4692980	305153	0.0	Tan F-M Sand
12/9/2011	Raytheon Building	RP-1209C	4	4692996	305159	0.0	Tan F-M Sand
12/9/2011	Pad Southern Lot	SL-1209C	4	4693018	305809	0.0	Blue-gray Silt and Clay
12/9/2011	Raytheon Building	RP-1209D	3	4692978	305134	0.0	Tan F-M Sand
12/9/2011	Pad Southern Lot	SL-1209D		4693023	304809	0.0	Black Peat
12/12/2011	Southern Lot	SL-1202C SL-1212A	10	4693012	304513	0.2	Dark Brown Peat
12/12/2011	Raytheon Building Pad	RP-1212A	3	4693005	305130	0.1	Brown F-C Sand
12/12/2011	Raytheon Building Pad	RP-1212B	4	4692980	305162	0.0	Tan F-C Sand, trace Gravel
12/12/2011	Raytheon Building Pad	RP-1212C	2	4692928	305016	0.0	Brown F-C Sand, some Gravel
12/12/2011	Southern Lot Raytheon Building	SL-1212B	8	4693032	304829	0.0	Brown F-C Sand, some Gravel
12/12/2011	Pad	RP-1212D	5	4692907	305029	0.0	Brown F-C Sand, some Gravel
12/12/2011 12/12/2011	Basin-4 Basin-4A	Basin-4 Basin-4A		4692919	305031	0.1	Brown F-C Sand, some Gravel Concrete and solid debris
12/13/2011	Sewer Utility	RS-1213A	8	4693034	304863	0.1	Brown F-C Sand, some Gravel
12/13/2011	Raytheon Building Pad	RP-1213A	7	4692976	305008	0.0	Brown F-C Sand, some Gravel
12/13/2011	Raytheon Building Pad	RP-1213B	8	4692931	305017	0.0	Brown F-C Sand, some Gravel
12/13/2011	Raytheon Building	RP-1213C	15	4692925	305025	0.1	Brown-Black Silt, little Sand
12/13/2011	Pad Sewer Utility	RS-1213B	6	4693028	304870	0.0	Brown F-C Sand, some Gravel
12/13/2011	Raytheon Building	RP-1213D	6	4692950	304996	0.0	Brown F-C Sand, some Gravel
12/13/2011	Pad Inside of Hydralilc	RP-1213E	18	4692966	304994	10.3	*Black-Gray F-C Sand, moderate oil-like odor insid
	Lift* Raytheon Building						hydraulic lift pipe
12/14/2011	Pad	RP-1214A	8	4692927	305019	4.5	Black C gravel
12/14/2011 12/14/2011	Sewer Utility Sewer Utility	RS-1214A RS-1214B	12	4693044 4693048	304882 304890	0.0 0.0	Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
12/15/2011	Sewer Utility	RS-1215A	8	4693022	304993	0.0	Black Peat and Blue Clay
12/15/2011	Raytheon Building Pad	RP-1215A	6	4693001	305023	0.0	Brown F-C Sand, some Gravel
12/15/2011	Raytheon Building Pad	RP-1215B	3	4693000	305029	0.1	Black F-C Sand
12/16/2011	Raytheon Building Pad	RP-1216A	2	4693000	305048	0.1	Brown F- C Sand, little Gravel
12/16/2011	Raytheon Building Pad	RP-1216B	4	4692943	304994	0.0	Brown F- C Sand, little Gravel
12/16/2011	Raytheon Building Pad	DD 1216C	5	4602002	205008	0.1	Brown F-C Sand, some Gravel
12/16/2011 12/19/2011	Sewer Utility	RP-1216C RS-1219A	8	4693003 4693105	305098 304947	0.1 0.0	Brown F-C Sand, little Gravel
12/19/2011	Raytheon Building	RP-1219A	1	4693029	305052	0.1	Topsoil
12/19/2011	Pad Raytheon Building Pad	RP-1219B	1	4693049	305065	0.1	Topsoil
12/19/2011	Raytheon Building Pad	RP-1219C	1	4693069	305054	0.0	Topsoil
12/19/2011	Raytheon Building Pad	RP-1219D	1	4693072	305048	0.1	Topsoil
12/19/2011	Raytheon Building	RP-1219E	1	4693113	305063	0.0	Topsoil
12/20/2011	Pad Sewer Utility	RS-1220A	5	4693119	304966	0.1	Dark Brown Peat
12/20/2011	Raytheon Building Pad	RP-1220A	1	4692921	305160	0.0	Topsoil
12/20/2011	Raytheon Building Pad	RP-1220B	1	4692910	305117	0.0	Topsoil
12/20/2011	Raytheon Building	RP-1220C	1	4692894	305080	0.0	Topsoil
12/20/2011	Pad Sewer Utility	RS-1220B	5	4693122	304990	0.0	Brown F- C Sand, little Gravel
12/20/2011	Raytheon Building Pad	RP-1220D	1	4692974	305176	1.2	Asphalt
12/21/2011	Raytheon Building Pad	RP-1221A	6	4693010	305205	0.0	Tan F-C Sand, trace Gravel
12/21/2011	Raytheon Building Pad	RP-1221B	6	4692986	305196	0.0	Brown F-C Sand, little Gravel
12/21/2011	Raytheon Building Pad	RP-1221C	6	4692960	305200	0.1	Brown F-C Sand, little Gravel
12/21/2011	Raytheon Building Pad	RP-1221D	0	4692979	305185	0.0	Brown F-C Sand, little Gravel
12/21/2011	Raytheon Building Pad	RP-1221E	0	4693024	30178	0.0	Brown F-C Sand, little Gravel
12/21/2011	Raytheon Building Pad	RP-1221F	1	4692984	305156	0.2	Gray F-C Sand and Gravel
12/22/2011	Raytheon Building Pad	RP-1222A	0	4693023	305135	0.1	Brown F-C Sand, little Gravel
12/22/2011	Raytheon Building Pad	RP-1222B	0.5	4693049	305151	0.0	Brown F-C Sand, little Gravel
12/22/2011	Raytheon Building Pad	RP-1222C	0.5	4693020	305025	0.0	Gravel, some F-C Sand
12/22/2011	Raytheon Building Pad	RP-1222D	0	4693040	305143	0.0	Brown F-C Sand, little Gravel
	Raytheon Building Pad	RP-1222E	0	4693043	305142	0.0	Brown F-C Sand, little Gravel
12/22/2011	Raytheon Building	RP-1222F	0.5	4693024	305127	0.1	Black F-C Sand, trace Gravel
12/22/2011 12/22/2011	Pad						
	Pad Raytheon Building	RP-1222G	3.5	4693022	305128	0.0	Brown F- C Sand, little Gravel
12/22/2011	Pad	RP-1222G RP-1222H	3.5 0	4693022 4693036	305128 305121	0.0	Brown F- C Sand, little Gravel Black and Brown F-C Sand, little Gravel

Notes:

Date	Location	Sample Identification	Depth	Northing	Easting	Measurement	Comments
12/22/2011	Raytheon Building Pad	RP-1222J	6	4693024	305103	0.8	Black and Brown F-C Sand, little Gravel
12/22/2011	Raytheon Building	RP-1222K	4	4693024	305110	0.3	Black and Brown F-C Sand, little Gravel
12/22/2011	Pad Raytheon Building	RP-1222L	7	4693032	305110	0.4	Black and Brown F-C Sand, little Gravel
12/23/2011	Pad Raytheon Building	RP-1223A	0	4693039	305102	0.1	Brown F-C Sand, some Gravel
12/23/2011	Pad Raytheon Building	RP-1223B	0	4693041	305091	0.0	Brown F-C Sand, some Gravel
	Pad Raytheon Building						
12/23/2011	Pad Raytheon Building	RP-1223C	0.5	4693015	305117	0.2	Dark Brown F-C Sand, some Gravel
12/23/2011	Pad Raytheon Building	RP-1223D	0	4693112	305071	0.0	Brown F-C Sand, some Gravel
12/23/2011	Pad Raytheon Building	RP-1223E	0	4693032	305033	0.0	Brown F-C Sand, some Gravel
12/23/2011	Pad Raytheon Building	RP-1223F	0	4693110	305078	0.0	Tan F-C Sand, some Gravel
12/23/2011	Pad	RP-1223G	0	4693056	305121	0.0	Tan F-C Sand, some Gravel
12/23/2011	Raytheon Building Pad	RP-1223H	0.5	4693116	305096	0.1	Tan F-C Sand, some Gravel
12/23/2011	Raytheon Building Pad	RP-1223I	0	4693072	305129	0.0	Brown F-C Sand, some Gravel
12/23/2011	Raytheon Building Pad	RP-1223J	0	4693117	305107	0.0	Brown F-C Sand, some Gravel
12/23/2011	Raytheon Building Pad	RP-1223K	0	4693045	305044	0.0	Tan F-C Sand, some Gravel
12/27/2011	Raytheon Building Pad	RP-1227A	0	4693038	305146	0.1	Brown F-C Sand, some Gravel
12/27/2011	Raytheon Building Pad	RP-1227B	3	4693039	305064	0.0	Brown F-C Sand, some Gravel
12/27/2011	Raytheon Building Pad	RP-1227C	0.5	4693045	305105	0.0	Brown F-C Sand, some Gravel
12/27/2011	Raytheon Building Pad	RP-1227D	3	4692914	305038	0.1	Brown F-C Sand, some Gravel
12/27/2011	Raytheon Building Pad	RP-1227E	4	4692939	305018	0.0	Brown F-C Sand, some Gravel
12/27/2011	Raytheon Building	RP-1227F	4	4693064	305139	0.0	Brown F-C Sand, some Gravel
12/27/2011	Pad Raytheon Building	RP-1227G	0	4693083	305153	0.1	Brown F-C Sand, some Gravel
12/27/2011	Pad Raytheon Building	RP-1227H	1	4693111	305090	0.0	Brown F-C Sand, some Gravel
12/27/2011	Pad Raytheon Building	RP-1227I	0.5	4693118	305080	0.0	Brown F-C Sand, some Gravel
12/27/2011	Pad Raytheon Building	RP-1227J	0.5	4693120	305076	0.0	Brown and Orange F-C Sand, some Gravel
	Pad Raytheon Building						
12/28/2011	Pad Raytheon Building	RP-1228A	3	4693067	305098	0.0	Tan F-M Sand
12/28/2011	Pad Raytheon Building	RP-1228B	8	4693035	305081	0.0	Brown and Black F-C Sand
12/28/2011	Pad Raytheon Building	RP-1228C	8	4693028	305060	0.0	Dark Brown Clay, little Sand
12/28/2011	Pad Raytheon Building	RP-1228D	1	4693014	305117	0.1	Dark Brown F-C Sand
12/28/2011	Pad	RP-1228E	5	4693049	305078	0.0	Tan F-M Sand
12/28/2011	Raytheon Building Pad	RP-1228F	5	4693047	305032	0.0	Brown F-C Sand, some Gravel
12/28/2011	Raytheon Building Pad	RP-1228G	4	4693052	305061	0.0	Brown F-C Sand, some Gravel
12/29/2011	Raytheon Building Pad	RP-1229A	4	4693048	305084	0.0	Dark Brown F-C Sand, some Gravel, trace Clay
12/29/2011	Raytheon Building Pad	RP-1229B*	14	4693033	305078	38.5	*Black F-C Sand, some Gravel; composed of segrega material
12/29/2011	Raytheon Building Pad	B-1 SW N 6	6	4693001	305131	0.0	Brown F-C Sand, little Gravel
12/29/2011	Raytheon Building Pad	B-1 SW W 6	6	4692995	305126	0.0	Brown F-C Sand, little Gravel
12/29/2011	Raytheon Building Pad	B-1 SW S 6	6	4692985	305130	0.0	Brown F-C Sand, little Gravel
12/29/2011	Raytheon Building Pad	B-1 SW E 6	6	4692989	305137	0.0	Brown F-C Sand, little Gravel
12/29/2011	Raytheon Building Pad	B-1 BT 12	12	4692992	305132	0.0	Brown F-C Sand, little Gravel
12/29/2011	Raytheon Building Pad	RP-1229C	2	4693122	305084	0.0	Tan F-C Sand, little Gravel
12/29/2011	Raytheon Building	RP-1229D	2	4693102	305065	0.0	Brown F-C Sand, little Gravel
12/30/2011	Pad Raytheon Building	RP-1230A	1	4693091	305068	0.0	Dark brown F-C Sand, trace Gravel
12/30/2011	Pad Raytheon Building	RP-1230B	5	4693106	305075	0.1	Tan Silt and Clay
12/30/2011	Pad Raytheon Building	B-5 SW N 3	3	4693106	305082	0.0	Brown F-C Sand, little Gravel
	Pad Raytheon Building						Brown F-C Sand, little Gravel
12/30/2011	Pad Raytheon Building	B-5 SW S 3	3	4693106	305078	0.0	
12/30/2011	Pad Raytheon Building	B-5 SW W 3	3	4693104	305081	0.0	Brown F-C Sand, little Gravel
12/30/2011	Pad Raytheon Building	B-5 BT 6	6	4693107	305082	0.2	Tan-gray F-C Sand
12/30/2011	Pad Raytheon Building	Basin-5*				0.0	*Dark Brown F-C Sand, little concrete
12/30/2011	Raytheon Building Pad	Basin-1A*				50.8	*Black F-C Sand, little Gravel and concrete

Notes:

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Date 1/4/2012	Location Drainage Line	Sample Identification DL-0104A	Depth 6	Latitude 42.36507	Longitude 71.37067	0.0	Comments Brown F-C Sand, little Gravel
1/4/2012	Drainage Line	DL-0104A DL-0104B	6	42.36494	71.37046	0.0	Brown F-C Sand, little Gravel
1/4/2012	Drainage Line	DL-0104C	6	42.36491	71.37031	0.0	Brown F-C Sand, little Gravel
1/4/2012	Drainage Line	DL-0104D	7	42.36482	71.37055	0.0	Brown F-C Sand, little Gravel
1/4/2012	Drainage Line	DL-0104E	6	42.36477	71.37046	0.0	Brown F-C Sand, little Gravel
1/5/2012	Basin-1A	B-1A SW N 6	6	42.36502	71.36635	0.0	Brown F-C Sand, little Gravel
1/5/2012	Basin-1A	B-1A SW W 6	6	42.36497	71.36642	0.0	Brown F-C Sand, little Gravel
1/5/2012	Basin-1A	B-1A SW S 6	6	42.36489	71.36628	0.0	Brown F-C Sand, little Gravel, trace oxidied material Brown F-C Sand, little Gravel
1/5/2012 1/5/2012	Basin-1A Basin-1A	B-1A SW E 6 B-1A BT 12	6 12	42.36493 42.36495	71.36618 71.36633	0.0 0.0	Brown F-C Sand, little Gravel
1/5/2012	Drainage Line	DL-0105A	4	42.36449	71.37026	0.0	Brown Clay and Silt
1/5/2012	Drainage Line	DL-0105R	6	42.36427	71.37020	0.0	Brown F-C Sand, little Gravel
1/5/2012	Drainage Line	DL-0105C	6	42.36427	71.37033	0.0	Brown F-C Sand, trace Gravel
1/6/2012	Raytheon Building	RP-0106A	0	42 265 40	71.36739	0.0	Brown F-C Sand, little Gravel
1/0/2012	Pad		0	42.36549		0.0	
1/6/2012	Drainage Line	DL-0106A	8	42.36423	71.36997	0.1	Blue Silt and Clay
1/6/2012	Raytheon Building	RP-0106B	0	42.36462	71.36749	0.0	Brown F-C Sand, trace Gravel
	Pad Raytheon Building						
1/6/2012	Pad	RP-0106C	3	42.36445	71.36757	0.0	Brown F-C Sand, little Gravel
	Raytheon Building						
1/6/2012	Pad	RP-0106D	3	42.36456	71.36755	0.0	Brown F-C Sand, little Gravel
1/6/2012	Drainage Line	DL-0106B	6	42.36404	71.36975	0.0	Brown F-C Sand, little Gravel
1/9/2012	Raytheon Building	RP-0109A	2	42.36484	71.36687	0.0	Brown F-C Sand, little Gravel, trace Cobble
	Pad					0.0	
1/9/2012	Drainage Line	DL-0109A	7	42.36400	71.36962	0.0	Brown F-C Sand, little Gravel
1/9/2012	Drainage Line	DL-0109B	5	42.36396	71.36943	0.0	Brown F-C Sand, little Gravel
1/9/2012	Drainage Line	DL-0109C	5	42.36396	71.36931	0.0	Brown F-C Sand, little Gravel
1/9/2012 1/9/2012	Drainage Line Drainage Line	DL-0109D DL-0109E	4 6	42.36397 42.36396	71.36903 71.36864	0.0	Tan F-C Sand, trace Gravel Brown F-C Sand
	Raytheon Building						
1/9/2012	Pad	RP-0109B	1	42.36451	71.36729	0.2	Brown F-C Sand, trace Gravel, little Coal
1/10/2012	Drainage Line	DL-0110A	6	42.36419	71.36803	0.0	Brown F-C Sand, trace asphalt
1/10/2012	Raytheon Building	RP-0110A	3			0.0	Dark brown F-C Sand, trace Gravel
	Pad			42.36462	71.36650		,
1/10/2012	Drainage Line	DL-0110B	8	42.36387	71.36932	0.0	Dark brown F-C Sand, trace Gravel
1/10/2012	Drainage Line	DL-0110C	7	42.36374	71.36945	0.0	Brown F-C Sand, trace Gravel
1/10/2012 1/10/2012	Drainage Line Drainage Line	DL-0110D DL-0110E	6 6	42.36447 42.36460	71.37003 71.36988	0.0 0.0	Brown F-C Sand, some Gravel Light Brown Clay and Silt
1/10/2012	Drainage Line	DL-0110E DL-0111A	7	42.36460	71.36988	0.0	Light Brown Clay and Silt
1/11/2012	Drainage Line	DL-0111A DL-0111B	7	42.36428	71.37029	0.0	Light Brown F-M Sand
1/11/2012	Drainage Line	DL-0111C	6	42.36398	71.36806	0.0	Brown F-C Sand, some Gravel
1/11/2012	Drainage Line	DL-0111D	6	42.36414	71.37056	0.0	Brown F-C Sand, some Gravel
1/11/2012	Raytheon Building	RP-0111A	0	42.36395	71 26752	0.0	Brown F-C Sand, some Gravel
1/11/2012	Pad	KP-0111A	8	42.30393	71.36753	0.0	brown r-c Sand, some Graver
1/12/2012	Drainage Line	DL-0112A	4	42.36424	71.36979	0.0	Brown F-C Sand, trace Gravel
1/12/2012	Drainage Line	DL-0112B	4	42.36405	71.37007	0.0	Dark Brown F-C Sand, some Gravel
1/12/2012	Drainage Line	DL-0112C	5	42.36405	71.37031	0.0	Brown F-C Sand, some Gravel
1/12/2012	Drainage Line	DL-0112D	3	42.36411	71.36934	0.0	Brown F-C Sand, some Gravel Brown and Tan F-C Sand, trace Gravel
1/13/2012	Drainage Line Raytheon Building	DL-0113A	6	42.36405	71.37046	0.0	
1/13/2012	Pad	RP-0113A	4	42.36454	71.36715	0.0	Brown F- C Sand, little Gravel
1/13/2012	Basin-6	B-6 SW N 3	3	42.36435	71.36806	0.0	Brown F- C Sand, little Gravel
1/13/2012	Basin-6	B-6 SW W 3	3	42.36432	71.36808	0.0	Brown F- C Sand, little Gravel
1/13/2012	Basin-6	B-6 SW S 3	3	42.36428	71.36805	0.0	Brown F- C Sand, little Gravel
1/13/2012	Basin-6	B-6 SW E 3	3	42.36432	71.36803	0.0	Brown F- C Sand, little Gravel
1/13/2012	Basin-6	B-6 BT 5	5	42.36432	71.36806	0.0	Brown Silt and Sand
1/16/2012	Raytheon Building	RP-0116A	3	42.36450	71.36737	0.0	Brown F-C Sand, little Gravel
	Pad Raytheon Building						Purple and Brown F-C Sand, little Gravel (sodium
1/16/2012	Pad	RP-0116B	6	42.36440	71.36760	0.0	permanganate-stained)
	Raytheon Building		_				
1/16/2012	Pad	RP-0116C	6	42.36439	71.36774	0.0	Brown F-C Sand, little Gravel
1/16/2012	Drainage Line	DL-0116A	3	42.36380	71.36964	0.0	Brown F-C Sand, little Gravel
1/16/2012	Raytheon Building	RP-0116D	7	42.36455	71.36790	0.0	Brown F-C Sand, little Gravel
1, 10/2012	Pad	M-0110D	1	-2.30+33	/1.30/30	0.0	Distant Coana, inte Oravei
1/17/2012	Raytheon Building	RP-0117A	3	42.36390	71.36841	1	
	Pad			T2.30370		0.0	Tan F- C Sand, trace Gravel
1/17/2012	Douthorn D '11'		-	42.30370		0.0	Tan F- C Sand, trace Gravel
1/1//2012	Raytheon Building	DD 0117D	5	42.36459	71.36724	0.0	Tan F- C Sand, trace Gravel
	Pad	RP-0117B	5	42.36459	71.36724	0.1	Light Brown F-M Sand
1/17/2012	-						,
	Pad Raytheon Building	RP-0117B RP-0117C DL-0117A	5	42.36459	71.36724	0.1	Light Brown F-M Sand
1/17/2012 1/17/2012	Pad Raytheon Building Pad	RP-0117C DL-0117A	5 3 6	42.36459 42.36444 42.36454	71.36724 71.36777 71.36971	0.1 0.0 0.2	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt
1/17/2012 1/17/2012 1/17/2012	Pad Raytheon Building Pad Drainage Line Raytheon Building Pad	RP-0117C DL-0117A RP-0117D	5 3 6 3	42.36459 42.36444 42.36454 42.36432	71.36724 71.36777 71.36971 71.36849	0.1 0.0 0.2 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel
1/17/2012 1/17/2012	Pad Raytheon Building Pad Drainage Line Raytheon Building Pad Drainage Line	RP-0117C DL-0117A	5 3 6	42.36459 42.36444 42.36454	71.36724 71.36777 71.36971	0.1 0.0 0.2	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt
1/17/2012 1/17/2012 1/17/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building LineRaytheon Building	RP-0117C DL-0117A RP-0117D DL-0117B	5 3 6 3	42.36459 42.36444 42.36454 42.36432	71.36724 71.36777 71.36971 71.36849	0.1 0.0 0.2 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012	Pad Raytheon Building Pad Drainage Line Raytheon Building Pad Drainage Line Raytheon Building Pad	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E	5 3 6 3 3 3 3	42.36459 42.36444 42.36454 42.36432 42.36382 42.36382 42.36445	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857	0.1 0.0 0.2 0.0 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadPadDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C	5 3 6 3 3 3 3 9	42.36459 42.36444 42.36454 42.36432 42.36432 42.36382 42.36445 42.36445	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969	0.1 0.0 0.2 0.0 0.0 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel, trace Cobble
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage LineDrainage LineDrainage LineDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A	5 3 6 3 3 3 3 9 6	42.36459 42.36444 42.36454 42.36432 42.36432 42.36482 42.36445 42.36445 42.36451 42.36485	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.37059	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B	5 3 6 3 3 3 3 9 6 5	42.36459 42.36444 42.36454 42.36432 42.36432 42.36382 42.36445 42.36445	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B DL-0118C	5 3 6 3 3 3 3 9 6 5 8	42.36459 42.36444 42.36454 42.36432 42.36432 42.36432 42.36445 42.36445 42.36451 42.36485 42.36399 	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.37059 71.36738	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.2	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand Brown F-C Sand Brown F-C Sand
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B	5 3 6 3 3 3 3 9 6 5	42.36459 42.36444 42.36454 42.36432 42.36432 42.36432 42.36445 42.36445 42.36445 42.36485 42.36485 42.36399	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.37059 71.36738	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B DL-0118C	5 3 6 3 3 3 3 9 6 5 8	42.36459 42.36444 42.36454 42.36432 42.36432 42.36445 42.36445 42.36451 42.3645 42.3645 42.36470 42.36470 42.36401	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.37059 71.36738	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.2	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand Brown F-C Sand Brown F-C Sand Brown F-C Sand, little Gravel Brown and Tan F-C Sand, trace Gravel Brown F-C Sand, little Gravel
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B DL-0118C RP-0118A DL-0118A DL-0118A	5 3 6 3 3 3 3 9 6 5 8 6 5 7	42.36459 42.36444 42.36454 42.36432 42.36432 42.36451 42.36451 42.36485 42.36470 42.36401 42.36467	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.37059 71.36738 71.36786 71.36689 71.36689 71.36786	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand Brown F-C Sand Brown F-C Sand Brown F-C Sand, little Gravel Brown and Tan F-C Sand, trace Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B DL-0118C RP-0118A DL-0118A	5 3 6 3 3 3 3 9 6 5 8 6 5	42.36459 42.36444 42.36454 42.36432 42.36432 42.36445 42.36445 42.36451 42.3645 42.3645 42.36470 42.36470 42.36401	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.37059 71.36738 71.36786 71.36689	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand Brown F-C Sand Brown F-C Sand Brown F-C Sand, little Gravel Brown and Tan F-C Sand, trace Gravel Brown F-C Sand, little Gravel
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B DL-0118C RP-0118A DL-0118A DL-0118A	5 3 6 3 3 3 3 9 6 5 8 6 5 7	42.36459 42.36444 42.36454 42.36432 42.36432 42.36451 42.36451 42.36485 42.36470 42.36401 42.36467	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.37059 71.36738 71.36786 71.36689 71.36689 71.36786	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand Brown F-C Sand Brown F-C Sand Brown F-C Sand, little Gravel Brown and Tan F-C Sand, trace Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012	PadRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineRaytheon Building PadDrainage LineDrainage LinePadDrainage LinePadPad	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B DL-0118C RP-0118A DL-0118C RP-0118A DL-0118C RP-0118A DL-0118D DL-0118F DL-0118G RP-0118B	5 3 6 3 3 3 9 6 5 8 6 5 7 7 6	42.36459 42.36444 42.36454 42.36432 42.36432 42.3645 42.3645 42.3645 42.3645 42.3645 42.36465 42.36465 42.36470 42.36467 42.36467 42.36466	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.37059 71.36738 71.36786 71.36689 71.36786 71.36689 71.36786 71.36786 71.36786 71.36786 71.36786 71.36786 71.36786	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown and Tan F-C Sand, trace Gravel Brown F-C Sand, little Gravel
1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/17/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012 1/18/2012	PadRaytheon BuildingPadDrainage LineRaytheon BuildingPadDrainage LineRaytheon BuildingPadDrainage LineDrainage LinePadDrainage LineDrainage Line	RP-0117C DL-0117A RP-0117D DL-0117B RP-0117E DL-0117C DL-0118A DL-0118B DL-0118C RP-0118A DL-0118C RP-0118A DL-0118C RP-0118B DL-0118D DL-0118F DL-0118G RP-0118B DL-0118H	5 3 6 3 3 3 9 6 5 8 6 5 7 7 7 6 7	42.36459 42.36444 42.36454 42.36432 42.36432 42.36432 42.3645 42.3645 42.3645 42.3645 42.3645 42.36465 42.36470 42.36467 42.36467 42.36466 42.36403	71.36724 71.36777 71.36971 71.36849 71.37054 71.36857 71.36969 71.36738 71.36786 71.36689 71.36786 71.36786 71.36786 71.36786 71.36786 71.36651	0.1 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.0	Light Brown F-M Sand Light Brown F-M Sand Tan Clay and Silt Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan F-C Sand, some Gravel Brown F-C Sand, some Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown And Tan F-C Sand, trace Gravel Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, some Gravel Brown F-C Sand, little Gravel
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Date	Location	Sample Identification	Depth	Latitude	Longitude	Measurement	Comments
1/23/2012	Raytheon Building Pad	RP-0123A	4	42.36485	71.36747	0.0	Brown F-C Sand, little Gravel
1/23/2012	Drainage Line	DI-0123B	6	42.36460	71.36872	0.0	Brown F-C Sand, little Gravel
1/23/2012	Drainage Line	DL-0123C	8	42.36478	71.36827	0.1	Brown F-C Sand, little Gravel Light Brown F-C Sand, some Gravel
1/24/2012 1/24/2012	Drainage Line Drainage Line	DL-0124A DL-0124B	8	42.36453 42.36491	71.36845 71.36819	0.0	Light Brown F-C Sand, some Gravel
1/24/2012	Raytheon Building	RP-0124A	2	42.36512	71.36692	9.4	Brown F-C Sand, trace Gravel
1/24/2012	Pad Drainage Line	DL-0124C	5	42.36481	71.36770	0.1	Brown F-C Sand, trace Gravel
	Raytheon Building						, , , , , , , , , , , , , , , , , , ,
1/24/2012	Pad	RP-0124B	6	42.36513	71.36694	0.1	Brown F-C Sand, trace Gravel
1/24/2012	Raytheon Building Pad	RP-0124C	5	42.36498	71.36688	0.1	Brown F-C Sand, some Gravel, trace Cobble
1/24/2012	Drainage Line	DL-0124D	5	42.36480	71.36764	0.0	Brown F-C Sand, trace Gravel
1/24/2012	Drainage Line	DL-0124E	6	42.36481	71.36759	0.0	Brown F-C Sand, trace Gravel
1/25/2012 1/25/2012	Drainage Line Drainage Line	DL-0125A DL-0125B	10	42.36502 42.36502	71.36704 71.36699	0.1	Brown F-C Sand, some Gravel Brown F-C Sand, some Gravel
1/25/2012	Raytheon Building		7				Dark Brown F-C Sand, some Gravel, trace Cob
1/25/2012	Pad	RP-0125A	1	42.36513	71.36681	0.2	Dark Brown F-C Sand, some Graver, trace Cob
1/26/2012	Raytheon Building Pad	RP-0126A	3	42.36508	71.36689	7.7	Brown F-C Sand, trace Gravel
1/26/2012	Drainage Line	DL-0126A	4	42.36485	71.36658	0.0	Tan and Brown F-C Sand, trace Gravel
1/26/2012	Raytheon Building	RP-0126B	2	42.36502	71.36696	2.9	Brown F-C Sand, trace Gravel
1/26/2012	Pad Drainage Line	DL-0126B	9	42.36478	71.36684	0.0	Dark Brown F-C Sand, trace Gravel
1/26/2012	Drainage Line	DL-0126D	3	42.36508	71.36694	0.0	Dark Brown F-C Sand, trace Gravel
1/26/2012	Drainage Line	DL-0126D	4	42.36509	71.36691	2.6	Dark Brown F-C Sand, some Gravel
1/26/2012 1/26/2012	Drainage Line Drainage Line	DL-0126E DL-0126F	3 4	42.36510 42.36511	71.36687 71.36684	3.1	Dark Brown F-C Sand, some Gravel Dark Brown F-C Sand, trace Gravel
1/27/2012	Drainage Line	DL-0127A	2	42.36578	71.36985	0.3	Topsoil
1/27/2012	Drainage Line	DL-0127C	4	42.36495	71.36612	0.4	Brown F-C Sand, some Gravel
1/27/2012 1/30/2012	Drainage Line Drainage Line	DL-0127D DL-0130A	4 4	42.36532 42.36628	71.36691 71.36791	0.0	Brown and Tan F-C Sand, trace Gravel Brown F-C Sand, little Gravel
1/30/2012	Drainage Line	DL-0130A DL-0130B	2	42.36520	71.36665	0.1	Brown F-C Sand and Silt, little Gravel
1/30/2012	Drainage Line	DL-0130C	5	42.36618	71.36890	0.0	Brown F-C Sand and Silt, little Clay, trace Gra
1/30/2012 1/30/2012	Drainage Line Drainage Line	DL-0130D DL-0130E	<u>6</u> 5	42.36610 42.36625	71.36880 71.36781	0.4	Dark Brown Peat Brown F-C Sand. little Cobble and Gravel
1/31/2012	Drainage Line	B-7 SW N 3	3	42.36544	71.36647	0.0	Brown F-C Sand, little Gravel
1/31/2012	Drainage Line	B-7 SW W 3	3	42.36541	71.36650	0.0	Brown F-C Sand, little Gravel
1/31/2012 1/31/2012	Drainage Line Drainage Line	B-7 SW S 3 B-7 SW E 3	3	42.36538 42.36542	71.36643 71.36640	0.2	Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
1/31/2012	Drainage Line	DL-0131A	5	42.36654	71.36721	0.2	Tan and Brown F-C Sand, some Gravel
1/31/2012	Drainage Line	DL-0131B	4	42.36657	71.36703	0.3	Black Peat
1/31/2012 2/1/2012	Sewer Utility Drainage Line	SU-0131A DL-0201A	6 6	42.36408 42.36619	71.36936 71.36586	0.0	Light Brown F-C Sand, little Gravel Brown F-M Sand, some Silt
2/1/2012	Drainage Line	DL-0201A DL-0201B	5	42.36572	71.36572	0.0	Tan and Grey Silt, trace Clay
2/1/2012	Sewer Utility	SU-0201A	13	42.36430	71.36924	0.0	Tan and Yellow F-C Sand
2/1/2012 2/2/2012	Drainage Line Drainage Line	DL-0201C DL-0202A	5	42.36550 42.36457	71.36596 71.36791	0.1 0.0	Brown F-C Sand, some Gravel Brown F-C Sand, little Gravel
2/2/2012	Drainage Line	DL-0202A DL-0202B	5	42.36459	71.36775	0.0	Tan F-M Sand
2/2/2012	Drainage Line	DL-0202C	5	42.36456	71.36758	0.1	Tan F-M Sand
2/2/2012	Sewer Utility Raytheon Building	SU-0202A	13	42.36433	71.36936	0.0	Brown F-C Sand, little Gravel, trace Cobble
2/3/2012	Pad	RP-0203A	4	42.36544	71.36599	0.1	Brown F-C Sand, some Gravel
2/3/2012	Drainage Line	DL-0203A	2	42.36673	71.36622	0.0	Brown F-C Sand, some Gravel
2/3/2012	Sewer Utility Raytheon Building	SU-0203A	10	42.36461	71.36961	0.0	Brown F-C Sand, some Gravel, little Cobble
2/3/2012	Pad	RP-0203B	2	42.36504	71.36653	0.1	Dark Brown F-C Sand, some Gravel, little Cobl
2/3/2012	Sewer Utility	SU-0203B	8	42.36481	71.36972	0.0	Brown and Grey F-C Sand and Silt
2/6/2012	Drainage Line Raytheon Building	CB-63	7	42.36107	71.36720	0.0	Brown F-C Sand, some Gravel
2/6/2012	Pad	SS-2612A	8			0.0	Brown F-C Sand, some Gravel
2/6/2012	Drainage Line	DL-2612A	10	42.36180	71.36193	0.1	Brown F-C Sand, some Gravel
2/6/2012	Raytheon Building	RP-2612A	2	42.36091	71.36825	0.1	Brown F-C Sand, some Gravel
2/6/2012	Pad Drainage Line	DL-2612B	4	42.36069	71.36976	1.5	Brown F-C Sand, some Gravel
2/6/2012	Drainage Line	DL-2612C	12			0.0	Brown F-C Sand, some Gravel
2/7/2012	Raytheon Building	RP-0207A	0.5	42.36604	71.36645	0.1	Brown F-C Sand, little Gravel
2/7/2012	Pad Sewer Utility	SU-0207A	11	42.36515	71.36968	0.0	Brown F-C Sand, some Gravel, trace Cobble
2/7/2012	Drainage Line	DL-0207A	5	42.36622	71.36636	0.1	Brown F-C Sand, little Gravel
2/7/2012	Drainage Line	DL-0207B	4	42.36591	71.36636	0.3	Tan and Grey F-C Sand, trace Silt
2/7/2012	Raytheon Building Pad	RP-0207B	1	42.36585	71.36647	0.1	Brown F-C Sand, little Gravel
2/8/2012	Drainage Line	DL-0208A	6	42.36591	71.36641	0.1	Tan and Grey F-C Sand
2/8/2012	Raytheon Building	RP-0208A	4	42.36445	71.36805	0.3	Brown F-C Sand, some Gravel
2/8/2012	Pad Drainage Line	DL-0208B	6	42.36594	71.36642	0.1	Brown F-C Sand, some Gravel
2/9/2012	Drainage Line	DL-0208B DL-0209A	4	42.36514	71.36544	0.1	Brown F-C Sand, little Gravel
2/9/2012	Drainage Line	DL-0209B	5	42.36517	71.36880	0.2	Brown F-C Sand, little Gravel
2/9/2012 2/9/2012	Drainage Line Drainage Line	DL-0209C DL-0209D	5 6	42.36496 42.36604	71.36883 71.36852	0.0	Brown F-C Sand and Silt Blue Clay
2/10/2012	Infiltration Basin 1	IB-0210A	8	42.36328	71.37000	0.0	Tan F-C Sand, trace Gravel
2/10/2012	Infiltration Basin 1	IB-0210B	8	42.36356	71.37005	0.0	Tan F-C Sand, trace Gravel
2/10/2012 2/10/2012	Southern Lot Southern Lot	SL-0210A SL-0210B	0.5	42.36409 42.36473	71.36845 71.36850	0.1 0.2	Brown and Tan F-C Sand, little Gravel Brown and Tan F-C Sand, little Gravel
2/13/2012	Raytheon Building	RP-0213A	7	42.36523	71.36778	0.2	Brown F-C Sand, some Gravel, trace Cobble
	Pad		-				
2/13/2012 2/13/2012	Southern Lot Southern Lot	SL-0213A SL-0213B	5 3	42.36522 42.36534	71.36875 71.36829	0.1 0.2	Orange and Brown F-C Sand, some Gravel Brown F-C Sand, some Gravel, trace Cobble
	Raytheon Building						
2/13/2012	Pad	RP-0213B	4	42.36499	71.36786	0.1	Dark Brown F-C Sand, some Gravel
2/13/2012	Raytheon Building Pad	RP-0213C	2	42.36511	71.36783	0.1	Dark Brown F-C Sand, some Gravel
2/13/2012	Drainage Line	DL-0213A	4	42.36523	71.37096	0.4	Gray F-C Sand, little Silt, trace Gravel
	Southern Lot	SL-0214A	5	42.36478	71.36808	0.0	Brown F-C Sand, some Gravel, trace Cobble
	Southern Lot	SL-0214B	7	42.36527	71.36787	0.2	Brown F-C Sand, some Gravel, trace Cobble
2/14/2012 2/14/2012 2/14/2012		W/II 0214A	А	12 26520	71 26564	0.1	Brown E C Cond
	Water Utility Southern Lot	WU-0214A SL-0215A	4 5	42.36530 42.36505	71.36564 71.36829	0.1 0.0	Brown F-C Sand Dark Brown F-C Sand, some Gravel, little Cobb

Date 2/16/2012 2/16/2012							
	Location	Sample Identification	Depth	Latitude	Longitude	Measurement	Comments
2/16/2012	Water Utility	WU-0216A	6	42.36536	71.36673	0.1	Dark Brown F-C Sand, some Gravel, trace Cobble
	Water Utility	WU-0216B	7	42.36529	71.36681	0.1	Dark Brown F-C Sand, some Gravel, trace Cobble
2/16/2012	Water Utility	WU-0216C	7	42.36526	71.36684	0.2	Dark Brown F-C Sand, some Gravel, trace Cobble
2/16/2012	Water Utility	WU-0216D	7	42.36520	71.36697	3.4	Dark Brown F-C Sand, some Gravel, trace Cobble
2/16/2012	Water Utility	WU-0216E	6	42.36514	71.36692	2.6	Dark Brown F-C Sand, some Gravel, trace Cobble
2/16/2012	Water Utility	WU-0216F	5	42.36510	71.36687	0.8	Dark Brown F-C Sand, some Gravel, trace Cobble
2/16/2012	Water Utility	WU-0216G	3	42.36512	71.36699	9.3	Dark Brown F-C Sand, some Gravel, trace Cobble
2/16/2012	Water Utility	WU-0216H	4	42.36506	71.36694	1.8	Dark Brown F-C Sand, some Gravel, trace Cobble
2/20/2012	Southern Lot	SL-0220A	4	42.36498	71.36821	0.2	Light Brown and yellow F-C Sand, some Gravel
2/20/2012	Southern Lot	SL-0220B	4	42.36508	71.36850	0.0	Light Brown and yellow F-C Sand, some Gravel
2/20/2012		SL-0220B	-	42.30300	71.50050	0.0	Eight Brown and yenow r C Sand, some Graver
2/21/2012	Raytheon Building	RP-0221A	6	42.36550	71.36786	0.1	Brown and Yellow F-C Sand, some Gravel
	Pad						
2/21/2012	Water Utility	WU-0221A	8	42.36483	71.36858	0.2	Brown to Dark Brown F-C Sand, some Gravel
2/21/2012	Raytheon Building	DD 0221D	5	42.36547	71.36772	0.0	Brown and Yellow F-C Sand, some Gravel
2/21/2012	Pad	RP-0221B	5	42.30347	/1.30//2	0.0	Brown and Tenow F-C Sand, some Graver
2/22/2012	Water Utility	WU-0222A	10	42.36475	71.36882	0.0	ght Brown and yellow F-C Sand, some Gravel, trace Co
2/22/2012	Water Utility	WU-0222B	11	42.36473	71.36918	0.1	ght Brown and yellow F-C Sand, some Gravel, trace Co
2/22/2012		W0-0222D	11	42.30473	71.50710	0.1	Sint Brown and yenow 1 °C band, some Graver, trace Co
2/24/2012	Raytheon Building	RP-0224A	4	42.36487	71.36676	0.0	Dark Brown F-C Sand, some Gravel
	Pad						
2/24/2012	Raytheon Building	RP-0224B	4	42.36493	71.36664	0.0	Dark Brown F-C Sand, some Gravel
2/24/2012	Pad	KI -0224D	+	42.30493	/1.50004	0.0	Dark Brown 1-C Sand, some Graver
2/27/2012	Sewer Utility	SU-0227A	14	42.36395	71.36844	0.1	Brown F-C Sand and Gravel, some Cobble
2/2//2012	Raytheon Building		1.	1210 0070	/100011	011	
2/27/2012	-	RP-0227A	4	42.36448	42.36772	0.0	Brown F-C sand, some Gravel
	Pad						
2/28/2012	Raytheon Building	RP-0228A	3	42.36535	71.36823	0.2	Brown F-C Sand, some Gravel
	Pad						,
2/28/2012	Sewer Utility	SU-0228A	14	42.36399	71.36861	0.1	Tan and Yellow F-C Sand, some Gravel and Cobble
2/28/2012	Sewer Utility	SU-0228B	14	42.36396	71.36831	0.0	Tan and Yellow F-C Sand, some Gravel and Cobble
2/29/2012	Water Utility	WU-0229A	7	42.36403	71.37016	0.1	Brown M-C Sand, trace Gravel
3/2/2012	Water Utility	WU-0302A	4	42.36508	71.36686	0.1	Brown F-C Sand, some Gravel
							·
3/2/2012	Sewer Utility	SU-0302A	12	42.36420	71.36779	0.1	Brown F-C Sand, some Gravel
3/2/2012	Water Utility	WU-0302B	7	42.36470	71.36664	0.1	Brown F-C Sand, some Gravel
3/5/2012	Raytheon Building	DD 0205 A	2	12 26115	71 26002	7 1	Brown F-C Sand, little Gravel
3/5/2012	Pad	RP-0305A	3	42.36415	71.36803	7.1	brown r-c sand, nute Graver
	Raytheon Building						
3/5/2012	Pad	RP-0305B	3	42.36414	71.36798	1.5	Brown F-C Sand, little Gravel
							+
3/5/2012	Raytheon Building	RP-0305C	3	42.36414	71.36800	1.1	Brown F-C Sand, little Gravel
	Pad						
3/5/2012	Water Utility	WU-0305A	7	42.36420	71.36676	0.4	Brown and Tan F-C Sand, little Gravel
3/5/2012	Water Utility	WU-0305B	7	42.36422	71.36660	0.1	Brown and Tan F-C Sand, little Gravel
3/6/2012	Sewer Utility	SU-0306A	9	42.36382	71.36942	0.0	Brown F-C Sand, some Gravel
3/6/2012	Water Utility	WU-0306A	6	42.36409	71.36642	0.1	Brown F-C Sand, some Gravel
3/6/2012	, i i i i i i i i i i i i i i i i i i i	SU-0306B	10	42.36390	71.36942	0.1	Brown F-C Sand, some Gravel
	Sewer Utility						·
3/6/2012	Water Utility	WU-0306B	7	42.36405	71.36627	0.2	Brown F-C Sand, some Gravel, trace Silt
3/6/2012	Infiltration	IC-2-0306A	10	42.36355	71.37030	0.1	Brown F-C Sand, some Gravel
5/0/2012	Chamber 2	IC-2-0300A	10	42.30333	/1.5/050	0.1	brown r-e Sand, some Graver
3/6/2012	Sewer Utility	SU-0306C	12	42.36402	71.36945	0.2	Brown F-C Sand, some Gravel
3/6/2012	Water Utility	WU-0306C	7	42.36408	71.36619	0.1	Brown F-C Sand, some Gravel
3/6/2012	Sewer Utility	SU-0306D	13	42.36426	71.36426	4.3	Brown F-C Sand, little Gravel
	2						2
3/7/2012	Sewer Utility	SU-0307A	13	42.36433	71.36775	0.0	Brown F-C Sand, some Gravel
3/7/2012	Southern Lot	SL-0307A	6	42.36445	71.36937	0.0	Brown F-C Sand, little Gravel
3/9/2012	Sewer Utility	SU-0309A	9	42.36454	71.36715	0.1	Tan and yellow F-M Sand
3/12/2012	Sewer Utility	SU-0312A	4	42.36460	71.36694	1.8	Brown F-C Sand, little Gravel
3/12/2012	Sewer Utility	SU-0312B	7	42.36453	71.36687	0.0	Brown F-C Sand, little Gravel
3/12/2012	Sewer Utility	SU-0312C	2	42.36434	71.36680	0.1	Brown F-C Sand, little Gravel
	,	SU-0312D					Diowiri C Dand, inthe Oraver
3/12/2012	Sewer Utility		4				Brown E.C. Sond little Croyal
3/14/2012	Water Utility		4	42.36462	71.36681	0.7	Brown F-C Sand, little Gravel
		WU-0314A	5	42.36451	71.36830	0.7 0.0	Brown and Tan F-C Sand, little Gravel
3/19/2012	Water Utility					0.7	·
3/19/2012 3/19/2012	Water Utility Water Utility	WU-0314A	5	42.36451	71.36830	0.7 0.0	Brown and Tan F-C Sand, little Gravel
	5	WU-0314A WU-0319A	5 3	42.36451 42.35538	71.36830 71.36673	0.7 0.0 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt
3/19/2012 3/20/2012	Water Utility Sewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A	5 3 5 7	42.36451 42.35538 42.36549 42.36045	71.36830 71.36673 71.36675 71.36895	0.7 0.0 0.0 0.0 0.1	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel
3/19/2012 3/20/2012 3/20/2012	Water Utility Sewer Utility Water Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320A	5 3 5 7 6	42.36451 42.35538 42.36549 42.36045 42.36584	71.36830 71.36673 71.36675 71.36895 71.36654	0.7 0.0 0.0 0.0 0.1 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand
3/19/2012 3/20/2012 3/20/2012 3/20/2012	Water UtilitySewer UtilityWater UtilityWater UtilityWater Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320A WU-0320B	5 3 5 7 6 6	42.36451 42.35538 42.36549 42.36045 42.36584 42.36584 42.36578	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610	0.7 0.0 0.0 0.1 0.1 0.1	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012	Water Utility Sewer Utility Water Utility Water Utility Sewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320A WU-0320B SU-0321A	5 3 5 7 6 6 8	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36578 42.36467	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645	0.7 0.0 0.0 0.1 0.1 0.1 0.1 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilityWater Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320A WU-0320B SU-0321A WU-0321A	5 3 5 7 6 6 8 8 8	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36645 71.36714	0.7 0.0 0.0 0.1 0.1 0.0 0.1 0.0 0.0 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012	Water Utility Sewer Utility Water Utility Water Utility Sewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320A WU-0320B SU-0321A WU-0321A SU-0322A	5 3 5 7 6 6 8 8 8 8 8	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467 42.36467 42.36363	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645	0.7 0.0 0.0 0.1 0.1 0.1 0.1 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown Art C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilityWater Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320A WU-0320B SU-0321A WU-0321A	5 3 5 7 6 6 8 8 8	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36645 71.36714	0.7 0.0 0.0 0.1 0.1 0.0 0.1 0.0 0.0 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilityWater UtilitySewer UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320A WU-0320B SU-0321A WU-0321A SU-0322A	5 3 5 7 6 6 8 8 8 8 8	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467 42.36467 42.36363	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36714 71.36895	0.7 0.0 0.0 0.1 0.1 0.0 0.1 0.0 0.0 0.0 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0322A SU-0323A SU-0323A	5 3 5 7 6 6 8 8 8 8 8 7 9	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467 42.36363 42.36363 42.36388 42.36401	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36714 71.36895 71.36852 71.36814	0.7 0.0 0.0 0.1 0.1 0.0 0.1 0.0 0.0 0.0 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilityWater UtilityWater Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0322A SU-0322A SU-0323A SU-0323B WU-0326A	5 3 5 7 6 6 8 8 8 8 8 7 9 8	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36388 42.36401 42.36349	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36714 71.36895 71.36852 71.36814 71.36968	0.7 0.0 0.0 0.1 0.1 0.0 0.1 0.0 0.0 0.0 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan M-C Sand, some Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012 3/26/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0323A SU-0323A SU-0326A SU-0323A SU-0323A SU-0323A SU-0326A SU-0326A	5 3 5 7 6 6 8 8 8 8 7 9 8 8 10	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36401 42.36349 42.36442	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36714 71.36895 71.36852 71.36814 71.36968 71.36885	0.7 0.0 0.0 0.1 0.1 0.0 0.1 0.0 0.0 0.0 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, some Gravel Brown F-C Sand, trace Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A	5 3 5 7 6 6 8 8 8 7 9 9 8 8 10 9	42.36451 42.35538 42.36549 42.36045 42.36584 42.36584 42.36467 42.36467 42.36467 42.36363 42.36388 42.36388 42.36401 42.36349 42.36442 42.36440	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36714 71.36895 71.36852 71.36814 71.36868 71.36885 71.36885 71.36883	$\begin{array}{c} 0.7 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0326A SU-0326A SU-0328A WU-0328A	5 3 5 7 6 6 8 8 8 7 9 8 8 7 9 8 8 10 9 9	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36388 42.36401 42.36349 42.36442 42.36440 42.36527	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36714 71.36895 71.36852 71.36852 71.36814 71.36968 71.36885 71.36883 71.36883 71.36857	$\begin{array}{c} 0.7 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, trace Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A	5 3 5 7 6 6 8 8 8 7 9 9 8 8 10 9	42.36451 42.35538 42.36549 42.36045 42.36584 42.36584 42.36467 42.36467 42.36363 42.36388 42.36388 42.36401 42.36349 42.36442 42.36440	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36714 71.36895 71.36852 71.36814 71.36868 71.36885 71.36885 71.36883	$\begin{array}{c} 0.7 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Brown F-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0326A SU-0326A SU-0328A WU-0328A	5 3 5 7 6 6 8 8 8 7 9 8 8 7 9 8 8 10 9 9	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36401 42.36349 42.36442 42.36440 42.36527	71.36830 71.36673 71.36675 71.36895 71.36654 71.36610 71.36645 71.36714 71.36895 71.36852 71.36852 71.36814 71.36968 71.36885 71.36883 71.36883 71.36857	$\begin{array}{c} 0.7 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, trace Gravel
3/19/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012 3/28/2012 3/29/2012 3/29/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilityWater UtilityWater UtilityWater Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0323A SU-0326A SU-0321A WU-0321A SU-0323A SU-0323A SU-0323A SU-0326A SU-0326A SU-0326A SU-0328A WU-0329A WU-0329A	5 3 5 7 6 6 8 8 8 8 7 9 8 8 7 9 8 8 10 9 9 9 6	42.36451 42.35538 42.36549 42.36045 42.36045 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36401 42.36349 42.36442 42.36440 42.36527 42.36605 42.36619	71.36830 71.36673 71.36675 71.36895 71.36610 71.36645 71.36645 71.36895 71.36895 71.36895 71.36895 71.36885 71.36883 71.36883 71.36637 71.36632	0.7 0.0 0.0 0.1 0.1 0.0 0.1 0.0 0.0 0.0 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan M-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan and Brown F-C Sand, little Gravel
3/19/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/22/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012 3/28/2012 3/29/2012 3/29/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilitySewer UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0323A SU-0326A SU-0321A WU-0321A SU-0323A SU-0323A SU-0323A SU-0326A SU-0326A SU-0328A WU-0329A WU-0329A WU-0329B WU-0329C	5 3 5 7 6 6 8 8 7 9 8 10 9 9 6 7 6 7 6	42.36451 42.35538 42.36549 42.36045 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36401 42.36349 42.36440 42.36527 42.36605 42.36619 42.36628	71.36830 71.36673 71.36675 71.36675 71.36654 71.36654 71.36654 71.36654 71.36654 71.36654 71.36645 71.36645 71.36852 71.36852 71.36852 71.36883 71.36883 71.3683 71.36637 71.36632 71.36608	$\begin{array}{c} 0.7 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Tan M-C Sand, some Gravel Brown F-C Sand, trace Gravel Dark Orange F-M Sand, trace Gravel Dark Orange F-M Sand, trace Gravel
3/19/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012 3/28/2012 3/29/2012 3/29/2012 4/2/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilitySewer UtilitySewer UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0323A SU-0326A SU-0321A WU-0321A SU-0323A SU-0323A SU-0323B WU-0326A SU-0326A SU-0328A WU-0329A WU-0329A WU-0329B WU-0329C SU-0402A	5 3 5 7 6 6 8 8 8 7 9 8 10 9 9 6 7 6 11	42.36451 42.35538 42.36549 42.36045 42.36045 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36349 42.36349 42.36442 42.36440 42.36527 42.36605 42.36619 42.36628 42.36361	71.36830 71.36673 71.36675 71.36675 71.36654 71.36654 71.36654 71.36654 71.36654 71.36654 71.36645 71.36645 71.3685 71.36852 71.36868 71.36883 71.3683 71.36637 71.36637 71.36632 71.36608 71.37013	$\begin{array}{c} 0.7\\ 0.0\\ 0.0\\ 0.0\\ 0.1\\ 0.0\\ 0.1\\ 0.0\\ 0.1\\ 0.0\\ 0.0$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan M-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Dark Orange F-M Sand, trace Gravel Brown and Tan M-C Sand
3/19/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012 3/28/2012 3/29/2012 3/29/2012 4/2/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilitySewer UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0323A SU-0326A SU-0321A WU-0321A SU-0323A SU-0323A SU-0326A SU-0326A SU-0326A SU-0328A WU-0329A WU-0329A WU-0329B WU-0329C SU-0402A SU-0402B	5 3 5 7 6 8 8 7 9 8 10 9 6 7 6 7 6 7 6 11 6	42.36451 42.35538 42.36549 42.36549 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36401 42.36349 42.36442 42.36440 42.36527 42.36605 42.36619 42.36628 42.36359	71.36830 71.36673 71.36675 71.36675 71.36654 71.36654 71.36654 71.36654 71.36654 71.36654 71.36645 71.36645 71.36852 71.36852 71.36883 71.36883 71.36637 71.36637 71.36632 71.36608 71.37013 71.37065	$\begin{array}{c} 0.7 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan M-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Darwn F-C Sand, trace Gravel Tan and Brown F-C Sand, little Gravel Tan and Brown F-C Sand, little Gravel Brown F-C Sand, Ittle Gravel Tan and Brown F-C Sand, little Gravel Brown F-C Sand, Ittle Gravel Tan and Brown F-C Sand, Some Gravel Brown A Tan M-C Sand Brown F-C Sand, some Gravel
3/19/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/22/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012 3/28/2012 3/29/2012 3/29/2012 4/2/2012 4/2/2012 4/3/2013	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilitySewer UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0323A SU-0323A SU-0323A SU-0323A SU-0323A SU-0323A SU-0326A SU-0326A SU-0326A SU-0328A WU-0329A WU-0329A WU-0329A SU-0329B WU-0329C SU-0402A SU-0403A	5 3 5 7 6 8 8 7 9 8 10 9 6 7 6 7 6 7 6 11 6 4	42.36451 42.35538 42.36549 42.36549 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36401 42.36349 42.36440 42.36527 42.36605 42.36619 42.36628 42.36359 42.36364	71.36830 71.36673 71.36675 71.36675 71.36654 71.36654 71.36654 71.36654 71.36645 71.36645 71.36852 71.36852 71.3685 71.36883 71.36857 71.36637 71.36632 71.36632 71.36608 71.37013 71.37065 71.36907	$\begin{array}{c} 0.7 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan M-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Dark Orange F-M Sand, trace Gravel Brown and Tan M-C Sand Brown F-C Sand, trace Gravel Tan and Brown F-C Sand, ittle Gravel Tan and Brown F-C Sand, trace Gravel Dark Orange F-M Sand, trace Gravel Brown F-C Sand, some Gravel Dark Orange F-M Sand, trace Gravel Tan and Yellow F-C Sand, some Gravel Brown F-C Sand, Some Gravel
3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/26/2012 3/26/2012 3/28/2012 3/29/2012 3/29/2012 3/29/2012 4/2/2012 4/2/2012 4/3/2013 4/3/2012	Water UtilitySewer UtilityWater UtilityWater UtilitySewer UtilityWater UtilitySewer UtilityWater UtilityWater UtilityWater UtilityWater UtilityWater UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer UtilitySewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0323A SU-0323A SU-0323A SU-0323A SU-0323A WU-0326A SU-0326A SU-0328A WU-0329A WU-0329A WU-0329A WU-0329B WU-0329C SU-0402A SU-0403A SU-0403A	5 3 5 7 6 8 8 7 9 8 10 9 6 7 6 7 6 7 6 11 6 4 7	42.36451 42.35538 42.36549 42.36549 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36401 42.36349 42.36442 42.36440 42.36527 42.36605 42.36619 42.36628 42.36359	71.36830 71.36673 71.36675 71.36675 71.36654 71.36654 71.36654 71.36654 71.36654 71.36654 71.36645 71.36645 71.36852 71.36852 71.36883 71.36883 71.36637 71.36637 71.36632 71.36608 71.37013 71.37065	$\begin{array}{c} 0.7 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\ 0.1 \\ 0.0 \\$	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown Ar Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan M-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Darwn F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan and Brown F-C Sand, little Gravel Tan and Brown F-C Sand, little Gravel Tan and Brown F-C Sand, some Gravel Brown and Tan M-C Sand Brown F-C Sand, some Gravel Tan and Yellow F-C Sand, trace Gravel Brown F-C Sand, some Gravel
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3/19/2012 3/20/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/23/2012 3/26/2012 3/26/2012 3/26/2012 3/28/2012 3/29/2012 3/29/2012 3/29/2012 3/29/2012 3/29/2012 3/29/2012 4/2/2012 4/3/2013 4/3/2012 4/3/2012	Water Utility Sewer Utility Water Utility Water Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Water Utility Water Utility Water Utility Water Utility Water Utility Water Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Pump Station Sewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0323A SU-0323A SU-0323A SU-0323A SU-0323A SU-0323A SU-0323A SU-0326A SU-0326A SU-0328A WU-0329A WU-0329A WU-0329A WU-0329B WU-0329C SU-0402A SU-0403A SU-0403A SU-0403B	5 3 5 7 6 6 8 8 8 7 9 8 10 9 9 6 7 6 11 6 4 7 10	42.36451 42.35538 42.36549 42.36549 42.36584 42.36578 42.36467 42.36467 42.36363 42.36388 42.36401 42.36349 42.36440 42.36527 42.36605 42.36619 42.36628 42.36619 42.3659 42.36359 42.36364 42.36379 42.3637	71.36830 71.36673 71.36675 71.36675 71.36654 71.36654 71.36654 71.36654 71.36654 71.36654 71.36645 71.36645 71.3685 71.36883 71.36883 71.36637 71.36637 71.36632 71.36632 71.36608 71.37013 71.36907 71.36943	0.7 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, trace Gravel and Silt Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown Ar Yellow F-C Sand, trace little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan M-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Darwn F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, trace Gravel Tan and Brown F-C Sand, little Gravel Tan and Brown F-C Sand, little Gravel Tan and Brown F-C Sand, little Gravel Brown and Tan M-C Sand Brown F-C Sand, some Gravel Tan and Yellow F-C Sand, trace Gravel Brown F-C Sand, some Gravel Brown F-C Sand, some Gravel Brown F-C Sand, some Gravel Brown F-C Sand, some Gravel Tan and Yellow F-C Sand, trace Gravel Brown F-C Sand, some Gravel
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3/19/2012 3/20/2012 3/20/2012 3/21/2012 3/21/2012 3/22/2012 3/22/2012 3/22/2012 3/26/2012 3/26/2012 3/28/2012 3/28/2012 3/29/2012 3/29/2012 4/2/2012 4/3/2012 4/3/2012 4/3/2012 4/4/2012 4/4/2012 4/10/2012	Water Utility Sewer Utility Water Utility Water Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Water Utility Water Utility Water Utility Water Utility Water Utility Water Utility Sewer Utility Sewer Utility Sewer Utility Sewer Utility Pump Station Sewer Utility Sewer Utility	WU-0314A WU-0319A WU-0319B SU-0320A WU-0320B SU-0321A WU-0321A SU-0321A WU-0320B SU-0321A WU-0320A WU-0320B SU-0321A WU-0320A WU-0320A SU-0321A SU-0321A SU-0321A SU-0321A SU-0322A SU-0323A SU-0326A SU-0326A SU-0326A SU-0326A SU-0328A WU-0329A WU-0329A WU-0329A WU-0329B WU-0329C SU-0402A SU-0402B PS-0403A SU-0403A PS-0403B SU-0404A SU-0404A SU-0404C SU-0410A	5 3 5 7 6 6 8 8 8 7 9 8 10 9 9 6 7 6 11 6 4 7 10 5 9 9 12	42.36451 42.35538 42.36549 42.36549 42.36584 42.36578 42.36467 42.36467 42.36363 42.36363 42.36388 42.36401 42.36349 42.36442 42.36440 42.36527 42.36605 42.36605 42.36619 42.36628 42.36359 42.36359 42.36357 42.36374	71.36830 71.36673 71.36675 71.36675 71.36654 71.36654 71.36654 71.36654 71.36654 71.36655 71.36645 71.36895 71.36895 71.36852 71.36852 71.36885 71.36883 71.36637 71.36637 71.36637 71.36637 71.36637 71.36637 71.36637 71.36637 71.36637 71.36638 71.36637 71.36637 71.36637 71.36637 71.36637 71.36638 71.37013 71.36907 71.36943 71.36794 71.36954	0.7 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1	Brown and Tan F-C Sand, little Gravel Light Brown F-C Sand, trace Gravel and Silt Light Brown F-C Sand, some Gravel Light Brown and Yellow F-M Sand Light Brown and Yellow F-M Sand Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel Brown and Yellow F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan F-C Sand, little Gravel Tan M-C Sand, some Gravel Brown F-C Sand, trace Gravel Brown F-C Sand, some Gravel Tan and Brown F-C Sand, little Gravel Tan and Brown F-C Sand, little Gravel Brown and Tan M-C Sand Brown F-C Sand, some Gravel Brown F-C Sand, some Gravel Brown F-C Sand, some Gravel Tan and F-C Sand, some Gravel Tan and Yellow F-C Sand, trace Gravel Brown F-C Sand, some Gravel Tan and Yellow F-C Sand, trace Gravel Brown F-C Sand, some Gravel Tan and Srown F-C Sand, little Gravel Tan and Prown F-C Sand, little Gravel Tan and Brown F-C Sand, little Gravel
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Date	Location	Sample Identification	Depth	Latitude	Longitude	Measurement	Comments
4/16/2012	Bioretention Basin	B 1 0416A	5	42.36357	71.37090	0.1	Brown F-C Sand, little Gravel
	1 Dianatantian Daain		-				
4/16/2012	Bioretention Basin 1	B 1 0146B	7	42.36354	71.37090	0.1	Brown F-C Sand, little Gravel
1/1 5/2012	Bioretention Basin	D 1 01 1 60		12.252.10	51.05000	0.1	
4/16/2012	1	B 1 0146C	7	42.36349	71.37092	0.1	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502A	8	42.36395	71.37006	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502B	8	42.36400	71.37009	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502C	8	42.36402	71.37002	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502D	8	42.36399	71.36998	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502E	7	42.36400	71.36893	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502F	7	42.36414	71.36892	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502G	7	42.36418	71.36898	0.2	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502H	7	42.36408	71.36808	0.1	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502I	5	42.36412	71.36831	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502J	7	42.36467	71.36968	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502K	7	42.36418	71.36969	0.1	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502L	4	42.36447	71.36819	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502M	4	42.36454	71.36830	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502N	6	42.36439	71.36795	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502O	6	42.36442	71.36793	0.1	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502P	6	42.36450	71.36792	0.0	Brown F-C Sand, little Gravel
5/2/2012	Grease Trap	GT-0502Q	6	42.36459	71.36810	0.0	Brown F-C Sand, little Gravel
5/2/2012	Electrical Box	EB-0502A	9	42.36361	71.37073	0.1	Brown F-C Sand, little Gravel
6/4/2012	Trench	S-1	5	42.36428	71.37129	0.0	Brown F-C Sand, little Gravel & Cobbles
6/4/2012	Trench	S-2	6	42.36427	71.37131	0.1	Brown F-C Sand, little Gravel & Cobbles
6/4/2012	Trench	S-3	5.5	42.36425	71.37118	0.0	Brown F-C Sand, little Gravel & Cobbles
6/4/2012	Trench	S-4	6	42.36420	71.37109	0.0	Brown F-C Sand, little Gravel & Cobbles
6/4/2012	Trench	S-5	5.5	42.36438	71.37128	0.0	Brown F-C Sand, little Gravel & Cobbles
6/5/2012	Trench	S-6	6	42.36438	71.37127	0.0	Brown F-C Sand, little Gravel & Cobbles
6/5/2012	Trench	S-7	7	42.36445	71.37.125	0.0	Brown F-C Sand, little Gravel & Cobbles
6/5/2012	Trench	S-8	7	42.36448	71.37120	0.1	Brown F-C Sand, little Gravel & Cobbles
6/5/2012	Trench	S-9	8	42.36455	71.37110	0.1	Brown F-C Sand, little Gravel & Cobbles
6/5/2012	Trench	S-10	8	42.36460	71.36106	0.0	Brown F-C Sand, little Gravel & Cobbles
6/6/2012	Trench	S-10	8			0.2	Brown F-C Sand, little Gravel & Cobbles
6/6/2012	Trench	S-12	8			0.0	Brown F-C Sand, little Gravel & Cobbles
6/6/2012	Trench	S-13	8			0.0	Brown F-C Sand, little Gravel & Cobbles
6/6/2012	Trench	S-14	8			0.0	Brown F-C Sand, little Gravel & Cobbles
6/6/2012	Trench	S-15	8			0.0	Brown F-C Sand, little Gravel & Cobbles
12/4/2012	Out Fall 36"	OF36-A	4.5	42.36500	71.37203	0.0	Brown F-C Sand, little Gravel
12/4/2012	Out Fall 36"	OF36-B	4.5	42.36500	71.37198	0.3	Brown F-C Sand, little Gravel
12/4/2012	Out Fall 36"	OF36-C	4.5	42.36495	71.37178	0.3	Brown F-C Sand, little Gravel
12/4/2012	Out Fall 36"	OF36-D	4.5	42.36507	71.37178	0.3	Brown F-C Sand, little Gravel
12/4/2012	1 1	OF36-E	5.5	42.36499	71.37136	0.1	Brown F-C Sand, little Gravel
12/4/2012	Out Fall 36"	OF36-F	5.5		71.37150	0.1	Brown F-C Sand, little Gravel
12/4/2012	Out Fall 36"	OF36-G	<u> </u>	42.36500 42.03652	71.37151	0.0	Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-G OF36-H	8	42.03652	71.37146		Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-H OF36-I	8	42.36507	71.37132	0.0 0.0	Brown F-C Sand, little Gravel
	Out Fall 36"						Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-J	8	42.36504	71.37110	0.0	Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-K	9	42.36532	71.37095	0.0	Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-L	9	42.36516	71.37074	0.1	Brown F-C Sand, little Gravel Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-M	9	42.36511	71.37055	0.0	-
12/5/2012	Out Fall 36"	OF36-N	9	42.36508	71.37041	0.0	Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-0	9	42.36531	71.37026	0.3	Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-P	9	42.36526	71.37011	0.7	Brown F-C Sand, little Gravel
12/5/2012	Out Fall 36"	OF36-Q	9	42.36536	71.37004	0.6	Brown F-C Sand, little Gravel
12/6/2012	Out Fall 36"	OF36-R	9	42.36527	71.36979	0.0	Brown F-C Sand, little Gravel
12/6/2012	Out Fall 36"	OF36-S	9	42.36524	71.36976	0.0	Brown F-C Sand, little Gravel
12/6/2012	Out Fall 36"	OF36-T	9	42.36516	71.36952	0.1	Brown F-C Sand, little Gravel
12/6/2012	Out Fall 36"	OF36-U	9	42.36535	71.36932	0.0	Brown F-C Sand, little Gravel
12/6/2012	Out Fall 36"	OF36-V	9	42.36540	71.36906	0.1	Brown F-C Sand, little Gravel
12/6/2012	Out Fall 36"	OF36-W	9	42.36533	71.36909	0.0	Brown F-C Sand, little Gravel

Notes:
1. Location based upon plans and figures provided by site contractors.
2. Sample depth presented in feet below ground surface prior to excavation activities.
3. Measurement = total organic vapors presented in parts per million (ppm).
4. * = Sample of material located inside of a hydraulic lift pipe, collected ex-situ and is not representative of subsurface soil conditions.

Notes:

more than the second of the second	Parameter					20),000-gallon No. 6 Fuel Oil L	JST								'MCP - N	Method 1 Cleanup S	Standards			
Intervention B <t< th=""><th>Farameter</th><th>BT-G-20k-13</th><th>BT-H-20k-14</th><th>SW-A-20k-11</th><th>SW-B-20k-10</th><th>SW-C-20k-9</th><th>SW-D-20k-11</th><th>SW-E-20k-10</th><th>SW-F-20k-9</th><th>BT-20K PIPE-6</th><th>BT-20K PIPE-7</th><th>RP-0124A</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	Farameter	BT-G-20k-13	BT-H-20k-14	SW-A-20k-11	SW-B-20k-10	SW-C-20k-9	SW-D-20k-11	SW-E-20k-10	SW-F-20k-9	BT-20K PIPE-6	BT-20K PIPE-7	RP-0124A									
Name Name <th< th=""><th>Sampling Date</th><th>12/8/2011 1:05:00 PM</th><th>12/8/2011 1:20:00 PM</th><th>12/8/2011 11:45:00 AM</th><th>12/8/2011 11:55:00 AM</th><th>12/8/2011 12:05:00 PM</th><th>12/8/2011 12:30:00 PM</th><th>12/8/2011 12:45:00 PM</th><th>12/8/2011 12:55:00 PM</th><th>12/23/2011 8:00:00 AM</th><th>12/23/2011 7:30:00 AM</th><th>1/24/2012 10:00:00 AM</th><th>S-1/GW-1</th><th>S-1/GW-2</th><th>S-1/GW-3</th><th>S-2/GW-1</th><th>S-2/GW-2</th><th>S-2/GW-3</th><th>S-3/GW-1</th><th>S-3/GW-2</th><th>S-3/GW-3</th></th<>	Sampling Date	12/8/2011 1:05:00 PM	12/8/2011 1:20:00 PM	12/8/2011 11:45:00 AM	12/8/2011 11:55:00 AM	12/8/2011 12:05:00 PM	12/8/2011 12:30:00 PM	12/8/2011 12:45:00 PM	12/8/2011 12:55:00 PM	12/23/2011 8:00:00 AM	12/23/2011 7:30:00 AM	1/24/2012 10:00:00 AM	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3
Sche Author 1 MB H, MB		13	14	11	10	9	11	10	9	6	7	0- Feet									
Since (1) O O O O<																					
pr pr< pr< pr p		31		14			• •			16											
Charley Hadray Order Wadray Wadray<		53		ND (13)		07	ND (23)			65		17									
Marken Marken<		87 ND (0.22)		32 ND (0.12)	10	50	55 (0,22)	39	40			57	1000			1000			1000		
option 19 27 MB (1) MB (1) MB (1) MB (1)		· · ·			. ,	· · · ·	• •	. ,	. ,			. ,	4		1000	4		3000	4		
Important 13 11 MD B B MD B B MD B B MD B							· · ·						1000		1000	3000		3000	5000		
bia.dx bia.dx<							· · ·	1 5					7	7	7	40	40	40			
bits operation of the second of the			3.4		. ,	. ,		0.94					2	2	2	4	4	4	30	30	
billes billes<					. ,	. ,	1.1	1.5					7	7	7	40	40	40	300	300	
is constrained 311 41/3 (3)			ND (1.1)				0.49	0.48					1000	1000	1000	3000	3000	3000			
International (1995) Open (1997) Open (1997) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>. ,</td> <td>0.39</td> <td>0.56</td> <td></td> <td></td> <td></td> <td></td> <td>70</td> <td>70</td> <td>70</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						. ,	0.39	0.56					70	70	70						
Dist Signature Dist Si							0.92	1.4					70	70	70	400		400			
Introduction 10								ND (0.22)					0.7	0.7	0.7	4	4	4			30
Hubbin 33 1001,2 00,0,1 00,0 00,0 00,0			• •	· · ·	. ,	. ,	· · ·		. ,	. ,			1000		1000	3000	3000	3000	5000	5000	5000
Hate Dial Dial <thdial< th=""> Dial Dial <thd< td=""><td></td><td></td><td>ND (1.1)</td><td></td><td></td><td></td><td>ND (0.23)</td><td>ND (0.22)</td><td></td><td></td><td></td><td></td><td>1000</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thd<></thdial<>			ND (1.1)				ND (0.23)	ND (0.22)					1000								
Interflexiting Value 3 Part of the second o	INDENO(1,2,3-CD)PYRENE	0.44	ND (1.1)	ND (0.13)	ND (0.12)	ND (0.22)	0.55	0.63	0.37	0.25			7	7	7	40	40	40	300		300
Dependent 1 1 1 1<	2-METHYLNAPHTHALENE	ND (0.23)	17	0.37	ND (0.12)	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.11)	0.7	80	300	0.7	80	500	0.7	80	500
Immet Image Image <th< td=""><td>NAPHTHALENE</td><td>ND (0.23)</td><td>15</td><td>0.15</td><td>ND (0.12)</td><td>ND (0.22)</td><td>ND (0.23)</td><td>ND (0.22)</td><td>ND (0.22)</td><td>ND (0.11)</td><td>ND (0.11)</td><td>ND (0.11)</td><td>4</td><td>40</td><td>500</td><td>4</td><td>40</td><td>1000</td><td>4</td><td>40</td><td>3000</td></th<>	NAPHTHALENE	ND (0.23)	15	0.15	ND (0.12)	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.11)	ND (0.11)	ND (0.11)	4	40	500	4	40	1000	4	40	3000
MARK-PART Mall	PHENANTHRENE	0.98	12	0.19	ND (0.12)	ND (0.22)	0.72	1.8	0.65	0.86	0.74	0.47	10	500	500	10	1000	1000	10	3000	3000
Code Marcine No 11 No 121 No 121 No 121 No 121 No 121 No 123 No	PYRENE	1.6	34	ND (0.13)	0.24	ND (0.22)	1.8	2.7	1.3	1.4	1.9	1.0	1000	1000	1000	3000	3000	3000	5000	5000	5000
Sec24 which No (1) 98 No (2) 98 No (2) No (2) No (2)	MADEP-VPH-04-1.1 (mg/Kg dry)																				
Sk-Di MMCK M0 (3) M0 (3) M0 (3) M0 (3) M0 (3) M0 (4) M0		ND (11)	31	ND (21)	ND (15)	ND (12)	ND (14)	ND (8.4)	ND (9.6)	ND (16)	ND (15)	ND (15)	100	100	100	500	500	500	500		500
bits bits <td></td> <td>ND (11)</td> <td>96</td> <td>ND (21)</td> <td>ND (15)</td> <td>ND (12)</td> <td>ND (14)</td> <td>ND (8.4)</td> <td>ND (9.6)</td> <td>ND (16)</td> <td>ND (15)</td> <td>ND (15)</td> <td>1000</td> <td>1000</td> <td>1000</td> <td>3000</td> <td>3000</td> <td>3000</td> <td>5000</td> <td></td> <td>5000</td>		ND (11)	96	ND (21)	ND (15)	ND (12)	ND (14)	ND (8.4)	ND (9.6)	ND (16)	ND (15)	ND (15)	1000	1000	1000	3000	3000	3000	5000		5000
Image is an intermant of the inter			220	. ,		. ,		. ,	. ,				100	100	100	300		500	300		
Mmis No (0.04) No (0.05) No (0.07) No		· · · · ·	0.17		. ,	. ,	· · ·	· · ·	. ,				2	30	30	2		200	2		
hkelm hkelm <th< td=""><td></td><td>· · · ·</td><td>2.0</td><td></td><td>· /</td><td>. ,</td><td>. ,</td><td>. ,</td><td>. ,</td><td>. ,</td><td>· ·</td><td></td><td>40</td><td></td><td></td><td>40</td><td></td><td>1000</td><td>40</td><td></td><td></td></th<>		· · · ·	2.0		· /	. ,	. ,	. ,	. ,	. ,	· ·		40			40		1000	40		
Displice ND (0.5) ND (0.5) ND (0.5) ND (0.7)		, ,	· · · ·			. ,	· /	. ,					0.1			0.1			0.1		
MMP-PixH8:ND 01110.28ND 0111ND 0211ND 00.011ND 00.011ND 00.015ND 00		. ,			. ,			. ,				. ,	4			4			4		
Servicity Mb (0.054) Obs Mb (0.074)					. ,								30			30			30		
Sh2 34067 (Whi) -																		1000			
bis block 65.8 69.8 7.4 <th< td=""><td></td><td>ND (0.054)</td><td>0.50</td><td>ND (0.10)</td><td>ND (0.077)</td><td>ND (0.061)</td><td>ND (0.070)</td><td>ND (0.042)</td><td>ND (0.048)</td><td>ND (0.081)</td><td>ND (0.074)</td><td>ND (0.076)</td><td>400</td><td>300</td><td>500</td><td>400</td><td>300</td><td>1000</td><td>400</td><td>300</td><td>3000</td></th<>		ND (0.054)	0.50	ND (0.10)	ND (0.077)	ND (0.061)	ND (0.070)	ND (0.042)	ND (0.048)	ND (0.081)	ND (0.074)	ND (0.076)	400	300	500	400	300	1000	400	300	3000
SW-86 600 (mg/kg dy) Metab Digestion NT		05.0	00.4	74.4	02.0	00.2	06.2	01.2	00.2	02.5	00.0	02.0									
ArrowNT<		85.8	89.4	74.1	82.8	90.3	86.2	91.2	90.3	92.5	90.9	93.8	~	~	~	~	~	~	~	~	~
İnsting M.T.		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20	20	20	20	20	20	20	20	20
Cadmiund MT															20	20		20			
Chronium-Line NT State Sta						INT							1000	2000	2000	3000	3000	3000	20	30	20
LEADNT </td <td></td> <td>2</td> <td>2</td> <td>2</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td> <td>200</td>													2	2	2	200	200	200	200	200	200
Selent NT					INT	INT							300	300	300						
Silver Ont Ont <t< td=""><td></td><td>1.1.1</td><td>NT</td><td>NT</td><td>INT</td><td>INT</td><td>NT</td><td>NT</td><td>NT</td><td>NT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		1.1.1	NT	NT	INT	INT	NT	NT	NT	NT											
Mr Mr<	Silver		INT				NT	NT	111	NT											
MercuryMrM	SW-846 7471B (ma/Ka drv) Metals Diaestion		111		111	111	191	111	191	191	111	111	100	100	100	200	200	200	200	200	200
SW-846 8082A (mg/kg dry) N <td>Mercury</td> <td>NT</td> <td>20</td> <td>20</td> <td>20</td> <td>30</td> <td>30</td> <td>30</td> <td>30</td> <td>30</td> <td>30</td>	Mercury	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20	20	20	30	30	30	30	30	30
PCB 106NTNTNTNTNTNTNTNTNTNTNTS3333PCB 121NTNTNTNTNTNTNTNT22233	SW-846 8082A (ma/Ka drv)																				
PG1221NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB122NT		NT	NT	NT	NT	NT	NT	NT	NT	NT			2	2	2	3	3	3	3	3	3
PG1242NT	PCB 1232	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		2	2	2	3	3	3	3	3	3
PG1243NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		2	2	2	3	3	3	3	3	3
PG 1254 NT NT NT NT NT NT S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 PG 1 PG 1 PG 1 PG 1 NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1260 NT NT NT NT NT NT NT 2 2 2 3		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1262 NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
	PCB 1262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
	PCB 1268	NT	NT	NT	NT	NT	NT	NT	NT	NT		NT	2	2	2	3	3	3	3	3	3

Table 2 Summary of Soil Analytical Data - Post Excavation UST Removal 430 Boston Post Road Wayland, Massachusetts

Deventer					2	0,000-gallon No. 6 Fuel Oil	JST								'MCP - N	lethod 1 Cleanup S	Standards			
Parameter	BT-G-20k-13	BT-H-20k-14	SW-A-20k-11	SW-B-20k-10	SW-C-20k-9	SW-D-20k-11	SW-E-20k-10	SW-F-20k-9	BT-20K PIPE-6	BT-20K PIPE-7	RP-0124A									
Sampling Date	12/8/2011 1:05:00 PM	12/8/2011 1:20:00 PM	12/8/2011 11:45:00 AM	12/8/2011 11:55:00 AM	12/8/2011 12:05:00 PM	12/8/2011 12:30:00 PM	12/8/2011 12:45:00 PM	12/8/2011 12:55:00 PM	12/23/2011 8:00:00 AM	12/23/2011 7:30:00 AM	1/24/2012 10:00:00 AM	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3
Sample Depth (feet below ground surface) SW-846 8260C (mg/Kg dry)	13	14	11	10	9	11	10	9	6	7	0- Feet									
ACETONE	ND (0.037)	ND (6.0)	ND (0.15)	0.78	0.28	ND (0.041)	ND (0.056)	ND (0.052)	ND (0.13)	ND (0.12)	ND (0.29)	6	50	400	6	50	400	6	50	400
TERT-AMYLMETHYL ETHER	ND (0.00037)	ND (0.060)	ND (0.0015)	ND (0.0011)	ND (0.0012)	ND (0.00041)	ND (0.00056)	ND (0.00052)	ND (0.0013)	ND (0.0012)	ND (0.0014)	~	~	~	~	~	~	~	~	~
BENZENE	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	2	30	30	2	200	200	2	700	900
BROMOBENZENE BROMOCHLOROMETHANE	ND (0.00074) ND (0.00074)	ND (0.12) ND (0.12)	ND (0.0030) ND (0.0030)	ND (0.0023) ND (0.0023)	ND (0.0024) ND (0.0024)	ND (0.00082) ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010) ND (0.0010)	ND (0.0026) ND (0.0026)	ND (0.0025) ND (0.0025)	ND (0.0029) ND (0.0029)	~ ~	~ ~	~ ~	~ ~	~ ~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
BROMODICHLOROMETHANE	ND (0.00074)	ND (0.12) ND (0.12) *	ND (0.0030)	ND (0.0023)	ND (0.0024) ND (0.0024)	ND (0.00082) ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010) ND (0.0010)	ND (0.0026)	ND (0.0025) ND (0.0025)	ND (0.0029)	0.1	0.1	20	0.1	0.1	100	0.1	0.1	500
BROMOFORM	ND (0.00074)	ND (0.12) *	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	0.1	1	200	0.1	1	800	0.1	1	800
BROMOMETHANE	ND (0.0037)	ND (0.60) *	ND (0.015)	ND (0.011)	ND (0.012)	ND (0.0041)	ND (0.0056)	ND (0.0052)	ND (0.013)	ND (0.012)	ND (0.014)	0.5	0.5	30	0.5	0.5	30	0.5	0.5	30
2-BUTANONE (MEK) N-BUTYLBENZENE	ND (0.015) 0.0010	ND (2.4) ND (0.12)	ND (0.060) ND (0.0030)	ND (0.046) ND (0.0023)	ND (0.047) ND (0.0024)	ND (0.016)	ND (0.022)	ND (0.021) ND (0.0010)	ND (0.053) ND (0.0026)	ND (0.049) ND (0.0025)	ND (0.058) ND (0.0029)	4 ~	50 ~	400 ~	4 ~	50 ~	400 ~	4~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	50 ~	400 ~
SEC-BUTYLBENZENE	ND (0.00074)	0.21	ND (0.0030) ND (0.0030)	ND (0.0023) ND (0.0023)	ND (0.0024) ND (0.0024)	ND (0.00082) ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010) ND (0.0010)	ND (0.0026) ND (0.0026)	ND (0.0025) ND (0.0025)	ND (0.0029) ND (0.0029)	~	~	~	~	~	~	~	~	~
TERT-BUTYLBENZENE	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
TERT-BUTYLETHYL ETHER	ND (0.00037)	ND (0.060)	ND (0.0015)	ND (0.0011)	ND (0.0012)	ND (0.00041)	ND (0.00056)	ND (0.00052)	ND (0.0013)	ND (0.0012)	ND (0.0014)	~	~	~	~	~	~	~	~	~
CARBON DISULFIDE CARBON TETRACHLORIDE	ND (0.0022) ND (0.00074)	ND (1.2)	ND (0.0090)	ND (0.0068) ND (0.0023)	ND (0.0071) ND (0.0024)	ND (0.0025)	ND (0.0034)	ND (0.0031) ND (0.0010)	ND (0.0079)	ND (0.0074) ND (0.0025)	ND (0.14) ND (0.0029)	~ 10	~	~ 10	~ 10	~	~	~ 10	~	~ 400
CHLOROBENZENE	ND (0.00074) ND (0.00074)	ND (0.12) ND (0.12)	ND (0.0030) ND (0.0030)	ND (0.0023) ND (0.0023)	ND (0.0024) ND (0.0024)	ND (0.00082) ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010) ND (0.0010)	ND (0.0026) ND (0.0026)	ND (0.0025) ND (0.0025)	ND (0.0029) ND (0.0029)	10	3	100	10	3	100	10	3	400
CHLORODIBROMOMETHANE	ND (0.00074)	ND (0.060) *	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0014)	0.005	0.03	20	0.005	0.03	100	0.005	0.03	500
CHLOROETHANE	ND (0.0037)	ND (0.24)	ND (0.015)	ND (0.011)	ND (0.012)	ND (0.0041)	ND (0.0056)	ND (0.0052)	ND (0.013)	ND (0.012)	ND (0.014)	~	~	~	~	~	~	~	~	~
CHLOROFORM CHLOROMETHANE	ND (0.0015)	ND (0.24)	ND (0.0060) ND (0.015)	ND (0.0046) ND (0.011)	ND (0.0047) ND (0.012)	ND (0.0016)	ND (0.0022)	ND (0.0021)	ND (0.0053)	ND (0.0049)	ND (0.0058)	0.4 ~	0.3 ~	400 ~	0.4 ~	0.3 ~	800 ~	0.4 ~	0.3 ~	800 ~
2-CHLOROTOLUENE	ND (0.0037) ND (0.00074)	ND (0.24) ND (0.12)	ND (0.015) ND (0.0030)	ND (0.011) ND (0.0023)	ND (0.012) ND (0.0024)	ND (0.0041) ND (0.00082)	ND (0.0056) ND (0.0011)	ND (0.0052) ND (0.0010)	ND (0.013) ND (0.0026)	ND (0.012) ND (0.0025)	ND (0.014) ND (0.0029)	~	~	~	~	~	~	~	~	~
4-CHLOROTOLUENE	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
1,2-DIBROMO-3-CHLOROPROPANE	ND (0.0015)	ND (0.48)	ND (0.0060)	ND (0.0046)	ND (0.0047)	ND (0.0016)	ND (0.0022)	ND (0.0021)	ND (0.0053)	ND (0.0049)	ND (0.0058)	~	~	~	~	~	~	~	~	~
	ND (0.00037) ND (0.00074)	ND (0.060)	ND (0.0015)	ND (0.0011)	ND (0.0012)	ND (0.00041)	ND (0.00056)	ND (0.00052) ND (0.0010)	ND (0.0013) ND (0.0026)	ND (0.0012)	ND (0.0014)	~	~	~	~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~	~	~ ~	~
DIBROMOMETHANE 1.2-DICHLOROBENZENE	ND (0.00074) ND (0.00074)	ND (0.12) 0.47	ND (0.0030) ND (0.0030)	ND (0.0023) ND (0.0023)	ND (0.0024) ND (0.0024)	ND (0.00082) ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010) ND (0.0010)	ND (0.0026) ND (0.0026)	ND (0.0025) ND (0.0025)	ND (0.0029) ND (0.0029)	9	30	300	9	30	300	9	30	300
1,3-DICHLOROBENZENE	ND (0.00074)	0.52	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	1	40	100	1	40	500	1	40	500
1,4-DICHLOROBENZENE	ND (0.00074)	0.59	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	0.7	4	50	0.7	4	300	0.7	4	2000
	ND (0.0037)	ND (0.24)	ND (0.015)	ND (0.011)	ND (0.012)	ND (0.0041)	ND (0.0056)	ND (0.0052)	ND (0.013)	ND (0.012)	ND (0.014)	~	~	~	~	~ _	~	~	~	~
1,1-DICHLOROETHANE 1,2-DICHLOROETHANE	ND (0.00074) ND (0.00074)	ND (0.12) ND (0.12) *	ND (0.0030) ND (0.0030)	ND (0.0023) ND (0.0023)	ND (0.0024) ND (0.0024)	ND (0.00082) ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010) ND (0.0010)	ND (0.0026) ND (0.0026)	ND (0.0025) ND (0.0025)	ND (0.0029) ND (0.0029)	0.4	5 0.1	500	0.4 0.1	5 0.1	90	0.4 0.1	5 0.1	300
1,1-DICHLOROETHYLENE	ND (0.0015)	ND (0.12)	ND (0.0060)	ND (0.0046)	ND (0.0047)	ND (0.0016)	ND (0.0022)	ND (0.0021)	ND (0.0053)	ND (0.0049)	ND (0.0058)	3	40	500	3	40	1000	3	40	3000
CIS-1,2-DICHLOROETHYLENE	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	0.3	0.4	100	0.3	0.4	500	0.3	0.4	500
TRANS-1,2-DICHLOROETHYLENE	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	1	1	500	1	1	1000	1	1	3000
1,2-DICHLOROPROPANE 1,3-DICHLOROPROPANE	ND (0.00074) ND (0.00037)	ND (0.12) * ND (0.060)	ND (0.0030) ND (0.0015)	ND (0.0023) ND (0.0011)	ND (0.0024) ND (0.0012)	ND (0.00082) ND (0.00041)	ND (0.0011) ND (0.00056)	ND (0.0010) ND (0.00052)	ND (0.0026) ND (0.0013)	ND (0.0025) ND (0.0012)	ND (0.0029) ND (0.0014)	0.1	0.1 ~	10 ~	0.1 ~	0.1 ~	~	0.1 ~	0.1 ~	600 ~
2,2-DICHLOROPROPANE	ND (0.00074)	ND (0.12) *	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
1,1-DICHLOROPROPENE	ND (0.00074)	ND (0.24) *	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
CIS-1,3-DICHLOROPROPENE	ND (0.00037)	ND (0.060) *	ND (0.0015)	ND (0.0011)	ND (0.0012)	ND (0.00041)	ND (0.00056)	ND (0.00052)	ND (0.0013)	ND (0.0012)	ND (0.0014)	0.01	0.4	9	0.01	0.4	70	0.01	0.4	100 100
TRANS-1,3-DICHLOROPROPENE DIETHYL ETHER	ND (0.00037) ND (0.0037)	ND (0.060) * ND (0.24)	ND (0.0015) ND (0.015)	ND (0.0011) ND (0.011)	ND (0.0012) ND (0.012)	ND (0.00041) ND (0.0041)	ND (0.00056) ND (0.0056)	ND (0.00052) ND (0.0052)	ND (0.0013) ND (0.013)	ND (0.0012) ND (0.012)	ND (0.0029) ND (0.014)	0.01 ~	0.4 ~	9 ~	0.01 ~	0.4 ~	70 ~	0.01 ~	0.4 ~	100 ~
DIISOPROPYL ETHER	ND (0.00037)	ND (0.060)	ND (0.0015)	ND (0.0011)	ND (0.0012)	ND (0.00041)	ND (0.00056)	ND (0.00052)	ND (0.0013)	ND (0.0012)	ND (0.0014)	~	~	~	~	~	~	~	~	~
1,4-DIOXANE	ND (0.037)	ND (6.0) *	ND (0.15)	ND (0.11)	ND (0.12)	ND (0.041)	ND (0.056)	ND (0.052)	ND (0.13)	ND (0.12)	ND (0.14)	0.2	6	70	0.2	6	500	0.2	6	500
ETHYLBENZENE	0.0013	0.92	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	40	500	500	40	1000	1000	40	1000	3000
HEXACHLOROBUTADIENE 2-HEXANONE	ND (0.00074) ND (0.0074)	ND (0.12) ND (1.2)	ND (0.0030) ND (0.030)	ND (0.0023) ND (0.023)	ND (0.0024) ND (0.024)	ND (0.00082) ND (0.0082)	ND (0.0011) ND (0.011)	ND (0.0010) ND (0.010)	ND (0.0026) ND (0.026)	ND (0.0025) ND (0.025)	ND (0.0029) ND (0.029)	ь ~	о ~	ь ~	90 ~	90 ~	90 ~	100 ~	100 ~	100 ~
ISOPROPYLBENZENE	ND (0.00074)	0.27	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
P-ISOPROPYLTOLUENE	ND (0.00074)	0.32	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
	ND (0.0015)	ND (0.12) *	ND (0.0060)	ND (0.0046)	ND (0.0047)	ND (0.0016)	ND (0.0022)	ND (0.0021)	ND (0.0053)	ND (0.0049)	ND (0.0058)	0.1	100	100	0.1	100	500	0.1	100	500
METHYLENE CHLORIDE MIBK	ND (0.0037) ND (0.0074)	ND (0.60) * ND (1.2) *	0.017 ND (0.030)	ND (0.011) ND (0.023)	0.013 ND (0.024)	ND (0.0041) ND (0.0082)	ND (0.0056) ND (0.011)	ND (0.0052) ND (0.010)	ND (0.013) ND (0.026)	ND (0.012) ND (0.025)	ND (0.014) ND (0.029)	0.1 0.4	20 50	200 400	0.1 0.4	20 50	900 400	0.1 0.4	20 50	900 400
NAPHTHALENE	0.0069	2.7	ND (0.0060)	ND (0.0046)	ND (0.0047)	ND (0.0016)	ND (0.0022)	ND (0.0021)	ND (0.0053)	ND (0.0049)	ND (0.014)	4	40	500	4	40	1000	4	40	3000
N-PROPYLBENZENE	0.00085	0.58	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
STYRENE 1,1,1,2-TETRACHLOROETHANE	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	3	4	30	3	4	200	3	4	1000
1,1,1,2-TETRACHLOROETHANE 1,1,2,2-TETRACHLOROETHANE	ND (0.00074) ND (0.00037)	ND (0.12) * ND (0.060) *	ND (0.0030) ND (0.0015)	ND (0.0023) ND (0.0011)	ND (0.0024) ND (0.0012)	ND (0.00082) ND (0.00041)	ND (0.0011) ND (0.00056)	ND (0.0010) ND (0.00052)	ND (0.0026) ND (0.0013)	ND (0.0025) ND (0.0012)	ND (0.0029) ND (0.0014)	0.1 0.005	0.1 0.02	0.8	0.1 0.005	0.1 0.02	100 10	0.1 0.005	0.1 0.02	40
TETRACHLOROETHYLENE	ND (0.00074)	ND (0.12)	ND (0.0013) ND (0.0030)	ND (0.0011) ND (0.0023)	ND (0.0012) ND (0.0024)	ND (0.00041) ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0013) ND (0.0026)	ND (0.0012) ND (0.0025)	ND (0.0029)	1	10	30	1	10	200	1	10	1000
TETRAHYDROFURAN	ND (0.0037)	ND (0.60)	ND (0.015)	ND (0.011)	ND (0.012)	ND (0.0041)	ND (0.0056)	ND (0.0052)	ND (0.013)	ND (0.012)	ND (0.014)	~	~	~	~	~	~	~	~	~
	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	30	500 ~	500 ~	30	1000 ~	1000 ~	30	2000 ~	3000 ~
1,2,3-TRICHLOROBENZENE 1,2,4-TRICHLOROBENZENE	ND (0.00074) ND (0.00074)	ND (0.48) ND (0.12)	ND (0.0030) ND (0.0030)	ND (0.0023) ND (0.0023)	ND (0.0024) ND (0.0024)	ND (0.00082) ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010) ND (0.0010)	ND (0.0026) ND (0.0026)	ND (0.0025) ND (0.0025)	ND (0.0058) ND (0.0029)	~ 2	70	~ 500	~ 2	~ 70	~ 900	~ 2	~ 70	~ 900
1,1,1-TRICHLOROETHANE	ND (0.00074)	ND (0.12) ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	30	500	500	30	600	1000	30	600	3000
1,1,2-TRICHLOROETHANE	ND (0.00074)	ND (0.12) *	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	0.1	2	4	0.1	2	60	0.1	2	200
	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	0.3	2	90	0.3	2	700	0.3	2	2000
TRICHLOROFLUOROMETHANE 1,2,3-TRICHLOROPROPANE	ND (0.0037) ND (0.00074)	ND (0.24) ND (0.24)	ND (0.015) ND (0.0030)	ND (0.011) ND (0.0023)	ND (0.012) ND (0.0024)	ND (0.0041) ND (0.00082)	ND (0.0056) ND (0.0011)	ND (0.0052) ND (0.0010)	ND (0.013) ND (0.0026)	ND (0.012) ND (0.0025)	ND (0.014) ND (0.0029)	~ ~	~ ~	~ ~	~ ~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~	~ ~	~
1,2,4-TRIMETHYLBENZENE	0.0047	0.61	ND (0.0030) ND (0.0030)	ND (0.0023) ND (0.0023)	ND (0.0024) ND (0.0024)	ND (0.00082) ND (0.00082)	ND (0.0011) ND (0.0011)	ND (0.0010) ND (0.0010)	ND (0.0026)	ND (0.0025) ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
1,3,5-TRIMETHYLBENZENE	0.00091	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	~	~	~	~	~	~	~	~	~
VINYL CHLORIDE	ND (0.0037)	ND (0.24)	ND (0.015)	ND (0.011)	ND (0.012)	ND (0.0041)	ND (0.0056)	ND (0.0052)	ND (0.013)	ND (0.012)	ND (0.014)	0.6	0.6	0.6	0.9	0.7	4	0.9	0.7	30
M/P-XYLENE	0.0017 ND (0.00074)	0.24 ND (0.12)	ND (0.0060)	ND (0.0046)	ND (0.0047)	ND (0.0016)	ND (0.0022)	ND (0.0021)	ND (0.0053)	ND (0.0049)	ND (0.0058)	400	300	500	400	300	1000	400	300	3000 3000
O-XYLENE	ND (0.00074)	ND (0.12)	ND (0.0030)	ND (0.0023)	ND (0.0024)	ND (0.00082)	ND (0.0011)	ND (0.0010)	ND (0.0026)	ND (0.0025)	ND (0.0029)	400	300	500	400	300	1000	400	300	3000

1. Analytical data presented in milligrams per kilogram (mg/Kg).

2. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.

3. ND = Not detected above the lab reporting limits shown in parenthesis.

4. NT = Not tested.

5. ~ = No Method 1 Standard available

6. Bolded values exceed the Method 1 Cleanup Standards.

Table 2 Summary of Soil Analytical Data - Post Excavation UST Removal 430 Boston Post Road Wayland, Massachusetts

Parameter				3,000-gallon In	sulating Oil USTs							'MCP - M	lethod 1 Cleanu	p Standards			
l'alameter	BT-3KA-7	BT-3KA-7	Sidewall A 3000A 5ft	Sidewall B 3000A 6ft	SW-C-3KB-5	SW-D-3KB-5	SW-E-3KA-5	SW-F-3KA-5									
Sampling Date	12/8/2011 10:00:00 AM	12/8/2011 10:15:00 AM	12/7/2011 10:00:00 AM	12/7/2011 1:00:00 PM	12/8/2011 9:00:00 AM	12/8/2011 9:15:00 AM	12/8/2011 9:35:00 AM	12/8/2011 9:45:00 AM	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3
Sample Depth (feet below ground surface)	7	7	5	6	5	5	5	5		-	-			-			
MADEP-EPH-04-1.1 (mg/Kg dry)																	
C9-C18 ALIPHATICS	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (11)	1000	1000	1000	3000	3000	3000	5000	5000	5000
C19-C36 ALIPHATICS	ND (12)	ND (12)	ND (11)	14	ND (11)	ND (11)	ND (12)	12	3000	3000	3000	5000	5000	5000	5000	5000	5000
C11-C22 AROMATICS	ND (12)	ND (12)	39	16	ND (11)	ND (11)	ND (12)	ND (11)	1000	1000	1000	1000	3000	3000	1000	5000	5000
ACENAPHTHENE	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	1000	1000	1000	1000	3000	3000	1000	5000	5000
ACENAPHTHYLENE	ND (0.12)	ND (0.12) ND (0.12)	ND (0.11) ND (0.11)	ND (0.12)	ND (0.11) ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11) ND (0.11)	4	600	1000		600	10	1	600	10
ANTHRACENE									1000	1000	1000	2000	3000	3000	5000		5000
	ND (0.12)	ND (0.12)	0.35	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	1000	1000	1000	3000 40				5000	
BENZO(A)ANTHRACENE	ND (0.12)	ND (0.12)	1.7	0.33	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	/	/	/	40	40	40	300	300	300
BENZO(A)PYRENE	ND (0.12)	ND (0.12)	1.2	0.28	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	4	4	4	30	30	30
BENZO(B)FLUORANTHENE	ND (0.12)	ND (0.12)	1.7	0.41	ND (0.11)	ND (0.11)	ND (0.12)	0.14	7	7	7	40	40	40	300	300	300
BENZO(G,H,I)PERYLENE	ND (0.12)	ND (0.12)	0.57	0.15	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	1000	1000	1000	3000	3000	3000	5000	5000	5000
BENZO(K)FLUORANTHENE	ND (0.12)	ND (0.12)	0.68	0.15	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	70	70	70	400	400	400	3000	3000	3000
CHRYSENE	ND (0.12)	ND (0.12)	1.7	0.31	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	70	70	70	400	400	400	3000	3000	3000
DIBENZ(A,H)ANTHRACENE	ND (0.12)	ND (0.12)	0.24	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	0.7	0.7	0.7	4	4	4	30	30	30
FLUORANTHENE	ND (0.12)	ND (0.12)	2.8	0.52	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	1000	1000	1000	3000	3000	3000	5000	5000	5000
FLUORENE	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	1000	1000	1000	3000	3000	3000	5000	5000	5000
INDENO(1,2,3-CD)PYRENE	ND (0.12)	ND (0.12)	0.63	0.19	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	7	7	7	40	40	40	300	300	300
2-METHYLNAPHTHALENE	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	0.7	80	300	0.7	80	500	0.7	80	500
NAPHTHALENE	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	1	40	500	4	40	1000	1	40	3000
PHENANTHRENE	ND (0.12) ND (0.12)	ND (0.12)	0.89	0.25	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	ND (0.11) ND (0.11)	10	500	500	10	1000	1000	10	3000	3000
							. ,		10		1000		3000	3000	5000	5000	5000
PYRENE	ND (0.12)	ND (0.12)	3.0	0.55	ND (0.11)	ND (0.11)	ND (0.12)	0.12	1000	1000	1000	3000	3000	3000	5000	5000	5000
MADEP-VPH-04-1.1 (mg/Kg dry)																	
C5-C8 ALIPHATICS	ND (12)	ND (11)	ND (19)	ND (20)	ND (11)	ND (8.0)	ND (12)	ND (11)	100	100	100	500	500	500	500	500	500
C9-C12 ALIPHATICS	ND (12)	ND (11)	ND (19)	ND (20)	ND (11)	ND (8.0)	ND (12)	ND (11)	1000	1000	1000	3000	3000	3000	5000	5000	5000
C9-C10 AROMATICS	ND (12)	ND (11)	ND (19)	ND (20)	ND (11)	ND (8.0)	ND (12)	ND (11)	100	100	100	300	500	500	300	500	500
BENZENE	ND (0.060)	ND (0.054)	ND (0.093)	ND (0.099)	ND (0.056)	ND (0.040)	ND (0.058)	ND (0.055)	2	30	30	2	200	200	2	700	900
ETHYLBENZENE	ND (0.060)	ND (0.054)	ND (0.093)	ND (0.099)	ND (0.056)	ND (0.040)	ND (0.058)	ND (0.055)	40	500	500	40	1000	1000	40	1000	3000
MTBE	ND (0.060)	ND (0.054)	ND (0.093)	ND (0.099)	ND (0.056)	ND (0.040)	ND (0.058)	ND (0.055)	0.1	100	100	0.1	100	500	0.1	100	500
NAPHTHALENE	ND (0.30)	ND (0.27)	ND (0.47)	ND (0.50)	ND (0.28)	ND (0.20)	ND (0.29)	ND (0.28)	4	40	500	4	40	1000	4	40	3000
TOLUENE	ND (0.060)	ND (0.054)	ND (0.093)	ND (0.099)	ND (0.056)	ND (0.040)	ND (0.058)	ND (0.055)	30	500	500	30	1000	1000	30	2000	3000
M/P-XYLENE	ND (0.12)	ND (0.11)	ND (0.19)	ND (0.20)	ND (0.11)	ND (0.080)	ND (0.12)	ND (0.11)	400	300	500	400	300	1000	400	300	3000
O-XYLENE	ND (0.060)	ND (0.054)	ND (0.093)	ND (0.099)	ND (0.056)	ND (0.040)	ND (0.058)	ND (0.055)	400	300	500	400	300	1000	400	300	3000
SM 2540G (% Wt)	112 (0.000)		110 (0:055)	100 (0.055)	(0.030)		ND (0.030)	110 (0.033)	-100	500	500	100	500	1000	-100	500	5000
% Solidsxxx	83.0	85.7	89.2	85.2	86.6	87.8	85.0	86.7	~	~	~	~	~	~	~	~	~
SW-846 6010C (mg/Kg dry) Metals Digestion	83.0	85.7	05.2	65.2	80.0	87.8	85.0	80.7									
	NT	NT	NT	NT	NT	NT	NT	NT	20	20	20	20	20	20	20	20	20
Arsenic		NT	NT	NT	NT	NT NT		NT	20	20	20	20	20	20	20	20	20
Barium	NT	NT	NT		NT		NT		1000	1000	1000	3000	3000	3000	5000	5000	5000
Cadmium	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	30	30	30	30	30	30
Chromium	NT	NT	NT	NT	NT	NT	NT	NT	30	30	30	200	200	200	200	200	200
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	300	300	300	300	300	300	300	300	300
Selenium	NT	NT	NT	NT	NT	NT	NT	NT	400	400	400	800	800	800	800	800	800
Silver	NT	NT	NT	NT	NT	NT	NT	NT	100	100	100	200	200	200	200	200	200
SW-846 7471B (mg/Kg dry) Metals Digestion																	
Mercury	NT	NT	NT	NT	NT	NT	NT	NT	20	20	20	30	30	30	30	30	30
SW-846 8082A (mg/Kg dry)																	
PCB 1016	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	3	3	3	3	3	3
PCB 1221	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	3	3	3	3	3	3
PCB 1232	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	3	3	3	3	3	3
PCB 1242	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	3	3	3	3	3	3
PCB 1242	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11) ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11) ND (0.11)	2	2	2	3	3	3	3	3	3
PCB 1248									2	2	2	5	5	5	5	5	5
	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	5	5	5	5	5	5
PCB 1260	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	3	3	3	3	3	3
PCB 1262	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	3	3	3	3	3	3
PCB 1268	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	2	2	2	3	3	3	3	3	3

Table 2 Summary of Soil Analytical Data - Post Excavation UST Removal 430 Boston Post Road Wayland, Massachusetts

D				3,000-gallon Ins	sulating Oil USTs							'MCP - M	ethod 1 Cleanu	p Standards			
Parameter	BT-3KA-7	BT-3KA-7	Sidewall A 3000A 5ft	Sidewall B 3000A 6ft	SW-C-3KB-5	SW-D-3KB-5	SW-E-3KA-5	SW-F-3KA-5									
Sampling Date	12/8/2011 10:00:00 AM	12/8/2011 10:15:00 AM	12/7/2011 10:00:00 AM	12/7/2011 1:00:00 PM	12/8/2011 9:00:00 AM	12/8/2011 9:15:00 AM	12/8/2011 9:35:00 AM	12/8/2011 9:45:00 AM	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3
Sample Depth (feet below ground surface)	7	7	5	6	5	5	5	5									
SW-846 8260C (mg/Kg dry)																	
	ND (0.071)	ND (0.063)	ND (0.14)	ND (0.087)	ND (0.073)	ND (0.076)	ND (0.081)	ND (0.046)	6	50	400	6	50	400	6	50	400
TERT-AMYLMETHYL ETHER	ND (0.00071)	ND (0.00063)	ND (0.0014)	ND (0.00087)	ND (0.00073)	ND (0.00076)	ND (0.00081)	ND (0.00046)	~	~	~	~	~	~	~	~	~
BENZENE BROMOBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	2~~~	30 ~	30 ~	2~~~~	200 ~	200	2~~~	700 ~	900 ~
BROMOBENZENE BROMOCHLOROMETHANE	ND (0.0014) ND (0.0014)	ND (0.0013) ND (0.0013)	ND (0.0027) ND (0.0027)	ND (0.0017) ND (0.0017)	ND (0.0015) ND (0.0015)	ND (0.0015) ND (0.0015)	ND (0.0016) ND (0.0016)	ND (0.00092) ND (0.00092)	~	~	~	~	~	~	~	~	~
BROMODICHLOROMETHANE	ND (0.0014) ND (0.0014)	ND (0.0013)	ND (0.0027) ND (0.0027)	ND (0.0017)	ND (0.0013) ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.1	0.1	20	0.1	0.1	100	0.1	0.1	500
BROMOFORM	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.1	1	200	0.1	1	800	0.1	1	800
BROMOMETHANE	ND (0.0071)	ND (0.0063)	ND (0.014)	ND (0.0087)	ND (0.0073)	ND (0.0076)	ND (0.0081)	ND (0.0046)	0.5	0.5	30	0.5	0.5	30	0.5	0.5	30
2-BUTANONE (MEK)	ND (0.028)	ND (0.025)	ND (0.055)	ND (0.035)	ND (0.029)	ND (0.030)	ND (0.033)	ND (0.018)	4	50	400	4	50	400	4	50	400
N-BUTYLBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
SEC-BUTYLBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
TERT-BUTYLBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
TERT-BUTYLETHYL ETHER	ND (0.00071)	ND (0.00063)	ND (0.0014)	ND (0.00087)	ND (0.00073)	ND (0.00076)	ND (0.00081)	ND (0.00046)	~	~	~	~	~	~	~	~	~
CARBON DISULFIDE	ND (0.0042)	ND (0.0038)	ND (0.0082)	ND (0.0052)	ND (0.0044)	ND (0.0046)	ND (0.0049)	ND (0.0028)	~	~	~	~	~	~	~	~	~
CARBON TETRACHLORIDE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	10	5	10	10	5	60	10	5	400
CHLOROBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	1	3	100	1	3	100	1	3	100
CHLORODIBROMOMETHANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.005	0.03	20	0.005	0.03	100	0.005	0.03	500
CHLOROETHANE	ND (0.0071)	ND (0.0063)	ND (0.014)	ND (0.0087)	ND (0.0073)	ND (0.0076)	ND (0.0081)	ND (0.0046)	~	~	~	~	~	~	~	~	~
	ND (0.0028)	ND (0.0025)	ND (0.0055)	ND (0.0035)	ND (0.0029)	ND (0.0030)	ND (0.0033)	ND (0.0018)	0.4	0.3 ~	400 ~	0.4	0.3 ~	800 ~	0.4 ~	0.3 ~	800 ~
CHLOROMETHANE 2-CHLOROTOLUENE	ND (0.0071) ND (0.0014)	ND (0.0063) ND (0.0013)	ND (0.014)	ND (0.0087)	ND (0.0073)	ND (0.0076) ND (0.0015)	ND (0.0081) ND (0.0016)	ND (0.0046) ND (0.00092)	~	~	~ ~	~	~	~	~	~	~
4-CHLOROTOLUENE	· /	· ·	ND (0.0027)	ND (0.0017)	ND (0.0015)	· · ·	. ,	· /	~	~	~	~	~	~	~	~	~
1,2-DIBROMO-3-CHLOROPROPANE	ND (0.0014) ND (0.0028)	ND (0.0013) ND (0.0025)	ND (0.0027) ND (0.0055)	ND (0.0017) ND (0.0035)	ND (0.0015) ND (0.0029)	ND (0.0015) ND (0.0030)	ND (0.0016) ND (0.0033)	ND (0.00092) ND (0.0018)	~	~	~	~	~	~	~	~	~
	ND (0.0028) ND (0.00071)	ND (0.0023)	ND (0.0055) ND (0.0014)	ND (0.0033) ND (0.00087)	ND (0.0029) ND (0.00073)	ND (0.0030) ND (0.00076)	ND (0.0033) ND (0.00081)	ND (0.0018) ND (0.00046)	~	~	~	~	~	~	~	~	~
DIBROMOMETHANE	ND (0.0014)	ND (0.0003) ND (0.0013)	ND (0.0014) ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
1,2-DICHLOROBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	9	30	300	9	30	300	9	30	300
1,3-DICHLOROBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	1	40	100	1	40	500	1	40	500
1,4-DICHLOROBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.7	4	50	0.7	4	300	0.7	4	2000
DICHLORODIFLUOROMETHANE	ND (0.0071)	ND (0.0063)	ND (0.014)	ND (0.0087)	ND (0.0073)	ND (0.0076)	ND (0.0081)	ND (0.0046)	~	~	~	~	~	~	~	~	~
1,1-DICHLOROETHANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.4	5	500	0.4	5	1000	0.4	5	1000
1,2-DICHLOROETHANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.1	0.1	10	0.1	0.1	90	0.1	0.1	300
1,1-DICHLOROETHYLENE	ND (0.0028)	ND (0.0025)	ND (0.0055)	ND (0.0035)	ND (0.0029)	ND (0.0030)	ND (0.0033)	ND (0.0018)	3	40	500	3	40	1000	3	40	3000
CIS-1,2-DICHLOROETHYLENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.3	0.4	100	0.3	0.4	500	0.3	0.4	500
TRANS-1,2-DICHLOROETHYLENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	1	1	500	1	1	1000	1	1	3000
1,2-DICHLOROPROPANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.1	0.1	10	0.1	0.1	100	0.1	0.1	600
1,3-DICHLOROPROPANE	ND (0.00071)	ND (0.00063)	ND (0.0014)	ND (0.00087)	ND (0.00073)	ND (0.00076)	ND (0.00081)	ND (0.00046)	~	~	~	~	~	~	~	~	~
2,2-DICHLOROPROPANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
1,1-DICHLOROPROPENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
CIS-1,3-DICHLOROPROPENE	ND (0.00071)	ND (0.00063)	ND (0.0014)	ND (0.00087)	ND (0.00073)	ND (0.00076)	ND (0.00081)	ND (0.00046)	0.01	0.4	9	0.01	0.4	70	0.01	0.4	100
TRANS-1,3-DICHLOROPROPENE	ND (0.00071)	ND (0.00063)	ND (0.0014)	ND (0.00087)	ND (0.00073)	ND (0.00076)	ND (0.00081)	ND (0.00046)	0.01	0.4	9	0.01	0.4	70	0.01	0.4	100
DIETHYL ETHER	ND (0.0071)	ND (0.0063)	ND (0.014)	ND (0.0087)	ND (0.0073)	ND (0.0076)	ND (0.0081)	ND (0.0046)	~	~	~	~	~	~	~	~	~
DIISOPROPYLETHER	ND (0.00071)	ND (0.00063)	ND (0.0014)	ND (0.00087)	ND (0.00073)	ND (0.00076)	ND (0.00081)	ND (0.00046)	~	~	~	~	~	~	~	~	~
1,4-DIOXANE	ND (0.071)	ND (0.063)	ND (0.14)	ND (0.087)	ND (0.073)	ND (0.076)	ND (0.081)	ND (0.046)	0.2	6	70	0.2	6	500	0.2	6	500
ETHYLBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	40	500	500	40	1000	1000	40	1000	3000
	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	6	6	6 ~	90	90 ~	90 ~	100 ~	100 ~	100 ~
2-HEXANONE	ND (0.014)	ND (0.013)	ND (0.027)	ND (0.017)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.0092)	~	~	~ ~	~	~	~	~	~	~
ISOPROPYLBENZENE P-ISOPROPYLTOLUENE	ND (0.0014) ND (0.0014)	ND (0.0013) ND (0.0013)	ND (0.0027) ND (0.0027)	ND (0.0017) ND (0.0017)	ND (0.0015) ND (0.0015)	ND (0.0015) ND (0.0015)	ND (0.0016) ND (0.0016)	ND (0.00092) ND (0.00092)	~	~	~ ~	~	~	~	~	~	~
MTBE	ND (0.0014) ND (0.0028)	ND (0.0013) ND (0.0025)	ND (0.0027) ND (0.0055)	ND (0.0017) ND (0.0035)	ND (0.0015) ND (0.0029)	ND (0.0015) ND (0.0030)	ND (0.0016) ND (0.0033)	ND (0.00092) ND (0.0018)	0.1	100	100	0.1	100	500	0.1	100	500
METHYLENE CHLORIDE	ND (0.0028) ND (0.0071)	ND (0.0023) ND (0.0063)	ND (0.0055) ND (0.014)	ND (0.0033) ND (0.0087)	ND (0.0029) ND (0.0073)	ND (0.0030) ND (0.0076)	ND (0.0033) ND (0.0081)	ND (0.0018) ND (0.0046)	0.1	20	200	0.1	20	900	0.1	20	900
MIBK	ND (0.0071) ND (0.014)	ND (0.0003)	ND (0.014) ND (0.027)	ND (0.0087) ND (0.017)	ND (0.0073) ND (0.015)	ND (0.0070) ND (0.015)	ND (0.0081) ND (0.016)	ND (0.0040) ND (0.0092)	0.4	50	400	0.4	50	400	0.1	50	400
NAPHTHALENE	ND (0.014)	ND (0.013)	ND (0.027)	ND (0.0035)	ND (0.013) ND (0.0029)	ND (0.013)	ND (0.010) ND (0.0033)	ND (0.0032) ND (0.0018)	4	40	500	4	40	1000	4	40	3000
N-PROPYLBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
STYRENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	3	4	30	3	4	200	3	4	1000
1,1,1,2-TETRACHLOROETHANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.1	0.1	7	0.1	0.1	100	0.1	0.1	300
1,1,2,2-TETRACHLOROETHANE	ND (0.00071)	ND (0.00063)	ND (0.0014)	ND (0.00087)	ND (0.00073)	ND (0.00076)	ND (0.00081)	ND (0.00046)	0.005	0.02	0.8	0.005	0.02	10	0.005	0.02	40
TETRACHLOROETHYLENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	1	10	30	1	10	200	1	10	1000
TETRAHYDROFURAN	ND (0.0071)	ND (0.0063)	ND (0.014)	ND (0.0087)	ND (0.0073)	ND (0.0076)	ND (0.0081)	ND (0.0046)	~	~	~	~	~	~	~	~	~
TOLUENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	30	500	500	30	1000	1000	30	2000	3000
1,2,3-TRICHLOROBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
1,2,4-TRICHLOROBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	2	70	500	2	70	900	2	70	900
1,1,1-TRICHLOROETHANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	30	500	500	30	600	1000	30	600	3000
1,1,2-TRICHLOROETHANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.1	2	4	0.1	2	60	0.1	2	200
TRICHLOROETHYLENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	0.3	2	90	0.3	2	700	0.3	2	2000
TRICHLOROFLUOROMETHANE	ND (0.0071)	ND (0.0063)	ND (0.014)	ND (0.0087)	ND (0.0073)	ND (0.0076)	ND (0.0081)	ND (0.0046)	~	~	~	~	~	~	~	~	~
1,2,3-TRICHLOROPROPANE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
1,2,4-TRIMETHYLBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
1,3,5-TRIMETHYLBENZENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	~	~	~	~	~	~	~	~	~
VINYL CHLORIDE	ND (0.0071)	ND (0.0063)	ND (0.014)	ND (0.0087)	ND (0.0073)	ND (0.0076)	ND (0.0081)	ND (0.0046)	0.6	0.6	0.6	0.9	0.7	4	0.9	0.7	30
M/P-XYLENE	ND (0.0028)	ND (0.0025)	ND (0.0055)	ND (0.0035)	ND (0.0029)	ND (0.0030)	ND (0.0033)	ND (0.0018)	400	300	500	400	300	1000	400	300	3000
O-XYLENE	ND (0.0014)	ND (0.0013)	ND (0.0027)	ND (0.0017)	ND (0.0015)	ND (0.0015)	ND (0.0016)	ND (0.00092)	400	300	500	400	300	1000	400	300	3000

1. Analytical data presented in milligrams per kilo

An asterisk (*) following a detection limit indicat
 ND = Not detected above the lab reporting limit

4. NT = Not tested.

5. ~ = No Method 1 Standard available 6. Bolded values exceed the Method 1 Cleanup Sta

Table 2Summary of Soil Analytical Data - Post Excavation UST Removal430 Boston Post Road Wayland, Massachusetts

Parameter		Bas	sin-5		Basin-1			Basin-1A						'MCP - M	ethod 1 Cleanup	p Standards		
	B5-BT-6	B5-SW-N-3	B5-SW-S-3	B5-SW-W-3	B-1-BOT-12	B-1A BT 12	B-1A SW-E-6	B-1A SW-N-6	B-1A SW-S-6	B-1A SW-W-6								
ampling Date ample Depth (feet below ground surface)	12/30/2011 10:20:00 AM	12/30/2011 10:00:00 AM	12/30/2011 10:10:00 AM	12/30/2011 10:15:00 AM	12/30/2011 2:00:00 PM 12	1/5/2012 10:20:00 AM	1/5/2012 10:15:00 AM	1/5/2012 10:10:00 AM	1/5/2012 10:40:00 AM	1/5/2012 10:00:00 AM	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2
Ample Depth (leet below ground surface) AADEP-EPH-04-1.1 (mg/Kg dry)	U	5	5	3	12	12	σ	U	U	U								
			ND (10)		NT	NT	NT	NT	NT	NT	1000	1000	1000	2000	2000	2000	5000	5000
29-C18 ALIPHATICS	ND (11)	ND (11)	ND (10)	ND (10)		IN I	NT	111	NT	NT	1000	1000	1000	3000	3000	3000	5000	5000
19-C36 ALIPHATICS	ND (11)	19	ND (10)	ND (10)	NT	NT	NT	NT	NI	NT	3000	3000	3000	5000	5000	5000	5000	5000
C11-C22 AROMATICS	ND (11)	ND (11)	ND (10)	ND (10)	NT	NT	NT	NT	NT	NT	1000	1000	1000	1000	3000	3000	1000	5000
CENAPHTHENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	4	1000	1000	4	3000	3000	4	5000
CENAPHTHYLENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	1	600	10	1	600	10	1	600
NTHRACENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	1000	1000	1000	3000	3000	3000	5000	5000
SENZO(A)ANTHRACENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	7	7	7	40	40	40	300	300
SENZO(A)PYRENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	2	2	2	4	4	4	30	30
SENZO(B)FLUORANTHENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	7	7	7	40	40	40	300	300
SENZO(G,H,I)PERYLENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	1000	1000	1000	3000	3000	3000	5000	5000
BENZO(K)FLUORANTHENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT		NT	70	70	70	400	400	400	3000	3000
CHRYSENE	• •	ND (0.11) ND (0.11)	· · ·		NT		NT	NT		NT		70	70					
	ND (0.11)		ND (0.10)	ND (0.10)		NT		111	NT NT		70	70	70	400	400	400	3000	3000
	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	N I	NT	NT	N I	NT	0.7	0.7	0.7	4	4	4	30	30
LUORANTHENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	1000	1000	1000	3000	3000	3000	5000	5000
LUORENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	1000	1000	1000	3000	3000	3000	5000	5000
NDENO(1,2,3-CD)PYRENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	7	7	7	40	40	40	300	300
-METHYLNAPHTHALENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	0.7	80	300	0.7	80	500	0.7	80
JAPHTHALENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	4	40	500	4	40	1000	4	40
HENANTHRENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	10	500	500	10	1000	1000	10	3000
YRENE	ND (0.11)	ND (0.11)	ND (0.10)	ND (0.10)	NT	NT	NT	NT	NT	NT	1000	1000	1000	3000	3000	3000	5000	5000
ADEP-VPH-04-1.1 (mg/Kg dry)		, (
C5-C8 ALIPHATICS	ND (18)	ND (15)	ND (15)	ND (14)	NT	NT	NT	NT	NT	NT	100	100	100	500	500	500	500	500
9-C12 ALIPHATICS	ND (18)	ND (15)	ND (13) ND (15)	ND (14) ND (14)		NT	NT	NT	NIT	NT	1000	1000	1000	3000	3000	3000	5000	5000
	. ,	• •																
29-C10 AROMATICS	ND (18)	ND (15)	ND (15)	ND (14)			NT	111		NT	100	100	100	300	500	500	300	500
ENZENE	ND (0.090)	ND (0.076)	ND (0.075)	ND (0.069)	NT	N I	NT	NT	NI	NT	2	30	30	2	200	200	2	700
THYLBENZENE	ND (0.090)	ND (0.076)	ND (0.075)	ND (0.069)	NT	NT	NT	NT	NT	NT	40	500	500	40	1000	1000	40	1000
ИТВЕ	ND (0.090)	ND (0.076)	ND (0.075)	ND (0.069)	NT	NT	NT	NT	NT	NT	0.1	100	100	0.1	100	500	0.1	100
JAPHTHALENE	ND (0.45)	ND (0.38)	ND (0.37)	ND (0.35)	NT	NT	NT	NT	NT	NT	4	40	500	4	40	1000	4	40
OLUENE	ND (0.090)	ND (0.076)	ND (0.075)	ND (0.069)	NT	NT	NT	NT	NT	NT	30	500	500	30	1000	1000	30	2000
Л/P-XYLENE	ND (0.18)	ND (0.15)	ND (0.15)	ND (0.14)	NT	NT	NT	NT	NT	NT	400	300	500	400	300	1000	400	300
D-XYLENE	ND (0.090)	ND (0.076)	ND (0.075)	ND (0.069)	NT	NT	NT	NT	NT	NT	400	300	500	400	300	1000	400	300
M 2540G (% Wt)																		
6 Solidsxxx	91.8	95.1	95.9	97.7	91.9	95.4	97.5	96.7	97.1	95.5	~	~	~	~	~	~	~	~
W-846 6010C (mg/Kg dry) Metals Digestion																		
Arsenic	NT	NT	NT	NT	3.0	NT	NT	NT	NT	NT	20	20	20	20	20	20	20	20
Barium	NT	NT	NT	NT	27	NT	NT	NT	NT	NT	1000	1000	1000	3000	3000	3000	5000	5000
Cadmium	NT	NT	NT	NT	ND (0.27)	NT	NT	NT	NT	NT	2	2	2	30	30	30	30	30
Chromium	NT	NT	NT	NT	8.8	NT	NT	NT	NIT	NT	30	30	30	200	200	200	200	200
	NT		NT		3.6	NT	NT	NT		NT				300			300	300
EAD		NT		NT							300	300	300		300	300		
elenium	NT		NT		ND (5.3)	NT	NT	NT		NT	400	400	400	800	800	800	800	800
ilver	NT	NT	NT	NT	ND (0.53)	NT	NT	NT	NT	NT	100	100	100	200	200	200	200	200
W-846 7471B (mg/Kg dry) Metals Digestion						-												
Aercury	NT	NT	NT	NT	ND (0.027)	NT	NT	NT	NT	NT	20	20	20	30	30	30	30	30
W-846 8082A (mg/Kg dry)	NT	NT	NT	NT														
PCB 1016	NT	NT	NT	NT	NT	ND (0.10)	2	2	2	3	3	3	3	3				
PCB 1221	NT	NT	NT	NT	NT	ND (0.10)	2	2	2	3	3	3	3	3				
CB 1232	NT	NT	NT	NT	NT	ND (0.10)	2	2	2	3	3	3	3	3				
CB 1242	NT	NT	NT	NT	NT	ND (0.10)	2	2	2	3	3	3	3	3				
PCB 1248	NT	NT	NT	NT	NT	ND (0.10)	2	2	2	3	3	3	3	3				
PCB 1254	NT	NT	NT	NT	NT	ND (0.10)	2	2	2	3	3	3	3	3				
CB 1260	NT	NT	NT	NT	NT	ND (0.10)		ND (0.10)	ND (0.10)	ND (0.10) ND (0.10)	2	2	2	2	3	2	2	2
							ND (0.10)			. ,	2	2	2	3	3	3	3	3
PCB 1262	NT	NT	NT	NT	NT	ND (0.10)	2	2	2	3	3	3	3	3				
CB 1268	NT	NT	NT	NT	NT	ND (0.10)	2	2	2	3	3	3	3	3				

Table 2 Summary of Soil Analytical Data - Post Excavation UST Removal 430 Boston Post Road Wayland, Massachusetts

Parameter		Ba	sin-5		Basin-1			Basin-1A						'MCP - N	Aethod 1 Cleanu	up Standards			
Falameter	B5-BT-6	B5-SW-N-3	B5-SW-S-3	B5-SW-W-3	B-1-BOT-12	B-1A BT 12	B-1A SW-E-6	B-1A SW-N-6	B-1A SW-S-6	B-1A SW-W-6					1	T	1		
Sampling Date	12/30/2011 10:20:00 AM	12/30/2011 10:00:00 AM	12/30/2011 10:10:00 AM	12/30/2011 10:15:00 AM	12/30/2011 2:00:00 PM	1/5/2012 10:20:00 AM	1/5/2012 10:15:00 AM	1/5/2012 10:10:00 AM	1/5/2012 10:40:00 AM	1/5/2012 10:00:00 AM	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3
Sample Depth (feet below ground surface)	6	3	3	3	12	12	6	6	6	6									
SW-846 8260C (mg/Kg dry)																			
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6	50	400	6	50	400	6	50	400
TERT-AMYLMETHYL ETHER	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT NT	~	~	~ 30	~	~	~	~	~	~
BENZENE BROMOBENZENE			NT NT								2 ~	30	30 ~	2~~~~	200 ~	200 ~	2~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	700 ~	900 ~
BROMOCHLOROMETHANE			NT							NT	~	~	~	~	~	~	~	~	~
BROMODICHLOROMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	0.1	20	0.1	0.1	100	0.1	0.1	500
BROMOFORM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	1	200	0.1	1	800	0.1	1	800
BROMOMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5	0.5	30	0.5	0.5	30	0.5	0.5	30
2-BUTANONE (MEK)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4	50	400	4	50	400	4	50	400
N-BUTYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
SEC-BUTYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
TERT-BUTYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
TERT-BUTYLETHYL ETHER	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
CARBON DISULFIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
CARBON TETRACHLORIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10	5	10	10	5	60	10	5	400
CHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1	3	100	1	3	100	1	3	100
CHLORODIBROMOMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.005	0.03	20	0.005	0.03	100	0.005	0.03	500
CHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
CHLOROFORM											0.4 ~	0.3 ~	400 ~	0.4 ~	0.3 ~	800 ~	0.4 ~	0.3 ~	800 ~
CHLOROMETHANE 2-CHLOROTOLUENE			NT		NT		NT NT			NT	~	~	~ ~	~	~	~~~~~	~	~ ~	~
4-CHLOROTOLUENE 4-CHLOROTOLUENE			NI		NT		NI			NT	~	~	~ ~	~	~	~	~	~	~
4-CHLOROTOLOENE 1,2-DIBROMO-3-CHLOROPROPANE			NT		NT		NT			NT	~	~	~	~	~	~	~	~	~
EDB		NT	NT	NT	NT	NT	NT		NT	NT	~	~	~	~	~	~	~	~	~
DIBROMOMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,2-DICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	9	30	300	9	30	300	9	30	300
1,3-DICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1	40	100	1	40	500	1	40	500
1,4-DICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.7	4	50	0.7	4	300	0.7	4	2000
DICHLORODIFLUOROMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,1-DICHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.4	5	500	0.4	5	1000	0.4	5	1000
1,2-DICHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	0.1	10	0.1	0.1	90	0.1	0.1	300
1,1-DICHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3	40	500	3	40	1000	3	40	3000
CIS-1,2-DICHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.3	0.4	100	0.3	0.4	500	0.3	0.4	500
TRANS-1,2-DICHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1	1	500	1	1	1000	1	1	3000
1,2-DICHLOROPROPANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	0.1	10	0.1	0.1	100	0.1	0.1	600
1,3-DICHLOROPROPANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
2,2-DICHLOROPROPANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,1-DICHLOROPROPENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
CIS-1,3-DICHLOROPROPENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	0.4	9	0.01	0.4	70	0.01	0.4	100
TRANS-1,3-DICHLOROPROPENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	0.4	9	0.01	0.4	70	0.01	0.4	100
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~ ~	~	~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~	~ ~	~
DIISOPROPYL ETHER	NI	NI	NT	NI		NI	NI	NT	NI	NT	~ ~	~ C		~ ~ ~	~ C		~ ~ ~	~	500
1,4-DIOXANE ETHYLBENZENE			NT					NT			0.2	6	70	0.2	6	500	0.2	6	500
HYLBENZENE HEXACHLOROBUTADIENE			NT NT		NT NT	NT		NT NT		NT NT	40	500 6	500 6	40 90	1000 90	1000 90	40 100	1000 100	3000 100
2-HEXANONE			NT		NT	NT	NT	NT		NT	~	~	0 ~	~	~	90 ~	~	~	~
ISOPROPYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
P-ISOPROPYLTOLUENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
MTBE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	100	100	0.1	100	500	0.1	100	500
METHYLENE CHLORIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	20	200	0.1	20	900	0.1	20	900
МІВК	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.4	50	400	0.4	50	400	0.4	50	400
NAPHTHALENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4	40	500	4	40	1000	4	40	3000
N-PROPYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
STYRENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3	4	30	3	4	200	3	4	1000
1,1,1,2-TETRACHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	0.1	7	0.1	0.1	100	0.1	0.1	300
1,1,2,2-TETRACHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.005	0.02	0.8	0.005	0.02	10	0.005	0.02	40
TETRACHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1	10	30	1	10	200	1	10	1000
TETRAHYDROFURAN	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
TOLUENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	30	500	500	30	1000	1000	30	2000	3000
1,2,3-TRICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,2,4-TRICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	70	500	2	70	900	2	70	900
1,1,1-TRICHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	30	500	500	30	600	1000	30	600	3000
1,1,2-TRICHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	2	4	0.1	2	60	0.1	2	200
TRICHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.3	2	90 ~	0.3	2	700	0.3	2 ~	2000
TRICHLOROFLUOROMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~ ~	~	~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~	~	~
1,2,3-TRICHLOROPROPANE								NT	N I NT			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2 2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~	~ ~	~ ~	~ ~	~
1,2,4-TRIMETHYLBENZENE	NT			NT	NT	NT	NT	NT	NT	NT	~ ~	~ ~	2 2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~	~~~~	~ ~	~ ~	~ ~
1,3,5-TRIMETHYLBENZENE	NT	NT NT		NT	NT	NT	NT	NT	NT	NT									
VINYL CHLORIDE M/P-XYLENE	NT	NI		NT	NT	NT	NT	NT	NT	NT	0.6	0.6	0.6	0.9	0.7	4	0.9	0.7	30 2000
O-XYLENE	NT NT		NT	NT	NT NT	NT NT	NT	NT	NT NT	NT NT	400 400	300 300	500 500	400 400	300 300	1000 1000	400 400	300 300	3000 3000
U-ATLEINE		IN I	N I	IN I	IN I	IN I	IN I	INI	IN I	IN I	400	300	500	400	300	1000	400	300	3000

1. Analytical data presented in milligrams per kilo

2. An asterisk (*) following a detection limit indicat

3. ND = Not detected above the lab reporting limit

4. NT = Not tested.

5. ~ = No Method 1 Standard available
6. Bolded values exceed the Method 1 Cleanup Sta

Table 2 Summary of Soil Analytical Data - Post Excavation UST Removal 430 Boston Post Road Wayland, Massachusetts

Parameter			Basin-6				Bas	sin-7					'MCP - M	ethod 1 Cleanu	p Standards			
Parameter	B-6 BT 5	B-6 SW-E 3	B-6 SW-N 3	B-6 SW-S 3	B-6 SW-W 3	B-7 SW E 3	B-7 SW N 3	B-7 SW S 3	B-7 SW W 3									
Sampling Date	1/13/2012 1:00:00 PM	1/13/2012 12:55:00 PM	1/13/2012 12:20:00 PM	1/13/2012 12:50:00 PM	1/13/2012 12:40:00 PM	1/31/2012 8:40:00 AM	1/31/2012 8:50:00 AM	1/31/2012 8:45:00 AM	1/31/2012 8:55:00 AM	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3
Sample Depth (feet below ground surface)	5	3	3	3	3	3	3	3	3									
MADEP-EPH-04-1.1 (mg/Kg dry)																		
C9-C18 ALIPHATICS	13	95	ND (11)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11)	18	1000	1000	1000	3000	3000	3000	5000	5000	5000
C19-C36 ALIPHATICS	780	10000	ND (11)	ND (11)	ND (11)	ND (12)	160	ND (11)	770	3000	3000	3000	5000	5000	5000	5000	5000	5000
C11-C22 AROMATICS	140	1900	ND (11)	ND (11)	ND (11)	ND (12)	62	ND (11)	120	1000	1000	1000	1000	3000	3000	1000	5000	5000
ACENAPHTHENE	ND (0.11)	0.34	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	0.69	ND (0.11)	ND (0.11)	4	1000	1000	4	3000	3000	4	5000	5000
ACENAPHTHYLENE	ND (0.11)	0.89	ND (0.11) ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	-	600	1000	1	600	10	1	600	10
ANTHRACENE	ND (0.11) ND (0.11)	ND (0.11)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	0.84	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	1000	1000	1000	3000	3000	3000	5000	5000	5000
										1000	1000	1000	40		40	300		
BENZO(A)ANTHRACENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	1.4	ND (0.11)	ND (0.11)	/	/	7	40	40	40		300	300
	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	1.0	ND (0.11)	ND (0.11)	2	2	2	4	4	4	30	30	30
BENZO(B)FLUORANTHENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	1.4	ND (0.11)	ND (0.11)	/	7	7	40	40	40	300	300	300
BENZO(G,H,I)PERYLENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	0.55	ND (0.11)	ND (0.11)	1000	1000	1000	3000	3000	3000	5000	5000	5000
BENZO(K)FLUORANTHENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	0.58	ND (0.11)	ND (0.11)	70	70	70	400	400	400	3000	3000	3000
CHRYSENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	1.1	ND (0.11)	ND (0.11)	70	70	70	400	400	400	3000	3000	3000
DIBENZ(A,H)ANTHRACENE	ND (0.11)	0.22	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	0.16	ND (0.11)	ND (0.11)	0.7	0.7	0.7	4	4	4	30	30	30
FLUORANTHENE	ND (0.11)	0.39	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	3.3	ND (0.11)	0.41	1000	1000	1000	3000	3000	3000	5000	5000	5000
FLUORENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	0.45	ND (0.11)	ND (0.11)	1000	1000	1000	3000	3000	3000	5000	5000	5000
INDENO(1,2,3-CD)PYRENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	0.59	ND (0.11)	ND (0.11)	7	7	7	40	40	40	300	300	300
2-METHYLNAPHTHALENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	0.7	80	300	0.7	80	500	0.7	80	500
NAPHTHALENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	4	40	500	4	40	1000	4	40	3000
PHENANTHRENE	ND (0.11)	0.17	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	3.5	ND (0.11)	0.37	10	500	500	10	1000	1000	10	3000	3000
PYRENE	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	3.0	ND (0.11)	0.35	1000	1000	1000	3000	3000	3000	5000	5000	5000
MADEP-VPH-04-1.1 (mg/Kg dry)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	5.0	ND (0.11)	0.55	1000	1000	1000	5000	5000	5000	5000	5000	5000
										100	100	100	500	500	500	500	500	500
C5-C8 ALIPHATICS	ND (19)	ND (18)	ND (13)	ND (16)	ND (18)	ND (17)	ND (19)	ND (15)	ND (16)	100	100	100	500	500	500	500	500	500
C9-C12 ALIPHATICS	ND (19)	ND (18)	ND (13)	ND (16)	ND (18)	ND (17)	ND (19)	ND (15)	ND (16)	1000	1000	1000	3000	3000	3000	5000	5000	5000
C9-C10 AROMATICS	ND (19)	ND (18)	ND (13)	ND (16)	ND (18)	ND (17)	ND (19)	ND (15)	ND (16)	100	100	100	300	500	500	300	500	500
BENZENE	ND (0.097)	ND (0.089)	ND (0.064)	ND (0.081)	ND (0.092)	ND (0.086)	ND (0.097)	ND (0.076)	ND (0.079)	2	30	30	2	200	200	2	700	900
ETHYLBENZENE	ND (0.097)	ND (0.089)	ND (0.064)	ND (0.081)	ND (0.092)	ND (0.086)	ND (0.097)	ND (0.076)	ND (0.079)	40	500	500	40	1000	1000	40	1000	3000
МТВЕ	ND (0.097)	ND (0.089)	ND (0.064)	ND (0.081)	ND (0.092)	ND (0.086)	ND (0.097)	ND (0.076)	ND (0.079)	0.1	100	100	0.1	100	500	0.1	100	500
NAPHTHALENE	ND (0.49)	ND (0.45)	ND (0.32)	ND (0.41)	ND (0.46)	ND (0.43)	ND (0.48)	ND (0.38)	ND (0.39)	4	40	500	4	40	1000	4	40	3000
TOLUENE	ND (0.097)	ND (0.089)	ND (0.064)	ND (0.081)	ND (0.092)	ND (0.086)	ND (0.097)	ND (0.076)	ND (0.079)	30	500	500	30	1000	1000	30	2000	3000
M/P-XYLENE	ND (0.19)	ND (0.18)	ND (0.13)	ND (0.16)	ND (0.18)	ND (0.17)	ND (0.19)	ND (0.15)	ND (0.16)	400	300	500	400	300	1000	400	300	3000
O-XYLENE	ND (0.097)	ND (0.089)	ND (0.064)	ND (0.081)	ND (0.092)	ND (0.086)	ND (0.097)	ND (0.076)	ND (0.079)	400	300	500	400	300	1000	400	300	3000
SM 2540G (% Wt)	· · · · · ·	· · · · · ·	, <u>,</u>				· · · · ·											
% Solidsxxx	86.8	90.2	89.5	89.9	92.5	84.0	83.3	86.4	86.8	~	~	~	~	~	~	~	~	~
SW-846 6010C (mg/Kg dry) Metals Digestion																		
Arsenic	NT	NT	NT	NT	NT	NT	NT	NT	NT	20	20	20	20	20	20	20	20	20
Barium	NT	NT	NT	NT	NT	NT	NT	NT	NT	1000	1000	1000	3000	3000	3000	5000	5000	5000
Cadmium	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	30	30	30	30	30	30
Chromium		NT							NT	30	20	30	200	200	200	200	200	200
		NT				NT		NT	NT		30							
LEAD	NI		NT		INT					300	300	300	300	300	300	300	300	300
Selenium		NT	NT	NT	NT	NT	NT	NT	NT	400	400	400	800	800	800	800	800	800
Silver	NT	NT	NT	NT	NT	NT	NT	NT	NT	100	100	100	200	200	200	200	200	200
SW-846 7471B (mg/Kg dry) Metals Digestion																		
Mercury	NT	NT	NT	NT	NT	NT	NT	NT	NT	20	20	20	30	30	30	30	30	30
SW-846 8082A (mg/Kg dry)																		
PCB 1016	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1221	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1232	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1242	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1248	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1254	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1260	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1260	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	3	3	3	3	3	3
PCB 1262 PCB 1268		NT	NT	NT	NT	NT	NT	NT	NT	2	2	2	2	5	2	5	5	5
rud 1200	IN I	IN I	IN I	IN I	IN I	IN I	IN I	IN I	IN I	2	2	2	3	3	5	3	3	3

Table 2 Summary of Soil Analytical Data - Post Excavation UST Removal 430 Boston Post Road Wayland, Massachusetts

Sample Depth (feet below ground surface)	B-6 BT 5													ethod 1 Cleanu	ip Stanuarus			
Sample Depth (feet below ground surface)		B-6 SW-E 3	B-6 SW-N 3	B-6 SW-S 3	B-6 SW-W 3	B-7 SW E 3	B-7 SW N 3	B-7 SW S 3	B-7 SW W 3									
	1/13/2012 1:00:00 PM	1/13/2012 12:55:00 PM	1/13/2012 12:20:00 PM	1/13/2012 12:50:00 PM	1/13/2012 12:40:00 PM	1/31/2012 8:40:00 AM	1/31/2012 8:50:00 AM	1/31/2012 8:45:00 AM	1/31/2012 8:55:00 AM	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3
	5	3	3	3	3	3	3	3	3									
SW-846 8260C (mg/Kg dry)																		
	NT	NT	NT	NT	NT	NT	NT	NT	NT	6	50	400 ~	6	50 ~	400	6	50 ~	400 ~
TERT-AMYLMETHYL ETHER BENZENE			NT NT			NT NT			NT NT	2	30	30	2	200	200	~ ~	700	900
BROMOBENZENE	NT	NT	NT		NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
BROMOCHLOROMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
BROMODICHLOROMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	0.1	20	0.1	0.1	100	0.1	0.1	500
BROMOFORM	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	1	200	0.1	1	800	0.1	1	800
BROMOMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5	0.5	30	0.5	0.5	30	0.5	0.5	30
2-BUTANONE (MEK)	NT	NT	NT	NT	NT	NT	NT	NT	NT	4	50	400	4	50	400	4	50	400
N-BUTYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~ ~	~	~ ~	~	~ ~	~	~	2 2	~ ~
SEC-BUTYLBENZENE TERT-BUTYLBENZENE			NT NT			NT NT			NT NT	~	~	~	~	~	~	~	~	~
TERT-BUTYLETHYL ETHER	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
CARBON DISULFIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
CARBON TETRACHLORIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	10	5	10	10	5	60	10	5	400
CHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	1	3	100	1	3	100	1	3	100
CHLORODIBROMOMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.005	0.03	20	0.005	0.03	100	0.005	0.03	500
CHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.4 ~	0.3 ~	400 ~	0.4 ~	0.3 ~	800 ~	0.4 ~	0.3 ~	800 ~
CHLOROMETHANE 2-CHLOROTOLUENE			NT NT			NT NT	NT NT		NT NT	~ ~	~ ~	~ ~	~ ~	~ ~	~	~	~	~ ~
4-CHLOROTOLUENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,2-DIBROMO-3-CHLOROPROPANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
EDB	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
DIBROMOMETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,2-DICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	9	30	300	9	30	300	9	30	300
1,3-DICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	1	40	100	1	40	500	1	40	500
1,4-DICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.7	4	50	0.7	4	300	0.7	4	2000
	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,1-DICHLOROETHANE 1,2-DICHLOROETHANE	NT		NT			NT			NT NT	0.4	0.1	500 10	0.4	0.1	1000 90	0.4 0.1	0.1	1000 300
1,1-DICHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	3	40	500	3	40	1000	3	40	3000
CIS-1,2-DICHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.3	0.4	100	0.3	0.4	500	0.3	0.4	500
TRANS-1,2-DICHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	1	1	500	1	1	1000	1	1	3000
1,2-DICHLOROPROPANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	0.1	10	0.1	0.1	100	0.1	0.1	600
1,3-DICHLOROPROPANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
2,2-DICHLOROPROPANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,1-DICHLOROPROPENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~ 70	~	~	~
CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE			NT NT			NT NT			NT NT	0.01 0.01	0.4 0.4	9	0.01 0.01	0.4 0.4	70 70	0.01 0.01	0.4 0.4	100 100
DIETHYL ETHER	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.01	0.4 ~		0.01 ~	~	~	0.01	0.4 ~	~
DIISOPROPYL ETHER	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,4-DIOXANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.2	6	70	0.2	6	500	0.2	6	500
ETHYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	40	500	500	40	1000	1000	40	1000	3000
HEXACHLOROBUTADIENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	6	6	6	90	90	90	100	100	100
2-HEXANONE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
	NT	NT	NT			NT	NT		NT	~ ~	~ ~	~ ~	~ ~	~ ~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~	~ ~	~ ~
P-ISOPROPYLTOLUENE MTBE			NT NT			NT NT			NT NT	~ 0.1	~ 100	~ 100	~ 0.1	~ 100	~ 500		~ 100	~ 500
METHYLENE CHLORIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	20	200	0.1	20	900	0.1 0.1	20	900
МІВК	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	50	400	0.4	50	400	0.4	50	400
NAPHTHALENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	4	40	500	4	40	1000	4	40	3000
N-PROPYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
STYRENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	3	4	30	3	4	200	3	4	1000
1,1,1,2-TETRACHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	0.1	7	0.1	0.1	100	0.1	0.1	300
1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHYLENE	NT NT		NT			NT	NT NT		NT NT	0.005	0.02	0.8	0.005	0.02	10	0.005	0.02	40
TETRACHLOROETHYLENE	NT		NT NT			NT NT	NT	NT	NT	1~	10 ~	30 ~	1 ~	10 ~	200 ~	1 ~	10 ~	1000 ~
TOLUENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	30	500	500	30	1000	1000	30	2000	3000
1,2,3-TRICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	~	~	~	~	~	~	~	~	~
1,2,4-TRICHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	2	70	500	2	70	900	2	70	900
1,1,1-TRICHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	30	500	500	30	600	1000	30	600	3000
1,1,2-TRICHLOROETHANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.1	2	4	0.1	2	60	0.1	2	200
TRICHLOROETHYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.3	2	90	0.3	2	700	0.3	2	2000
	NT	NT	NT	NT	NT	NT	NT	NT	NT	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~	~ ~	~ ~	~ ~	~	~	~	~
1,2,3-TRICHLOROPROPANE 1,2,4-TRIMETHYLBENZENE		NT NT				NT			NT	~ ~	~ ~	~ ~	~ ~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~	~ ~	~ ~	~ ~
1,2,4-TRIMETHYLBENZENE 1,3,5-TRIMETHYLBENZENE	NT NT	NT	NT NT		NT NT	NT NT		NT NT	NT NT	~ ~	~ ~	~ ~	~ ~	~ ~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~	~ ~	~ ~
VINYL CHLORIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.6	0.6	0.6	0.9	0.7	4	0.9	0.7	30
M/P-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	400	300	500	400	300	1000	400	300	3000
O-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	400	300	500	400	300	1000	400	300	3000

1. Analytical data presented in milligrams per kilo

2. An asterisk (*) following a detection limit indicat

3. ND = Not detected above the lab reporting limit

4. NT = Not tested.

5. ~ = No Method 1 Standard available
6. Bolded values exceed the Method 1 Cleanup Sta

Table 2 Summary of Soil Analytical Data - Post Excavation UST Removal 430 Boston Post Road Wayland, Massachusetts

Parameter							SAMPLING	LOCATION						
	Disp 20k	RP-1207H-2	DISP-3H 12/8/2011 11:20:00 AM	DISP-20K (EXT)	Basin-4	Basin-4A	RP-1212D	RP-1213E	20K Pipe	Basin-5 12/30/2011 10:30:00 AM	SF-Disp 12/30/2011 12:45:00 PM	Basin-1A	DISP-0124	Basin-7
Sampling Date SM 2540G (% Wt)	12/7/2011 2:15:00 PM	12/7/2011 1:00:00 PM	12/8/2011 11:20:00 AM	12/8/2011 1:40:00 PM	12/12/2011 11:30:00 AM	12/12/2011 11:45:00 AM	12/12/2011 1:00:00 PM	12/13/2011 12:45:00 PM	12/22/2011 2:30:00 PM	12/30/2011 10:30:00 AM	12/30/2011 12:45:00 PM	12/30/2011 1:00:00 PM	1/24/2012 10:25:00 AM	1/31/2012 8:35:00 AM
% Solidsxxx SM18-20 2510B (μmhos/cm)	89.7	91.3	91.9	85.9	94.7	82.6	94.5	82.7	97.8	92.4	88.3	82.9	94.6	84.9
Specific Conductance	150	7.8	890	44	14	390	10	26	3.9	25	8.8	8.3	12	330
SW-846 1010 (°F)	> 212 °F	> 212 °F	> 212 °F	> 212 °F	> 212 °F	> 212 °F	> 212 °F	> 212 °F	NT	> 212 °F	> 212 °F	> 212 °F	> 212 °F	> 212 °F
Flashpoint SW-846 6010C (mg/Kg dry) Metals Digestion	> 212 F	> 212 F	> 212 F	>212 F	> 212 F	> 212 F	> 212 F	> 212 F		> 212 F	> 212 F	>212 F	>212 F	> 212 F
Arsenic	ND (2.7)	3.2 NT	5.1 NT	ND (2.9) NT	3.0 NT	7.0 NT	3.3 NT	ND (2.9) NT	ND (2.4) NT	ND (2.6) 18	ND (2.8)	ND (2.9)	2.8 31	5.9
Barium Cadmium	6.4 ND (0.27)	NI ND (0.27)	NT ND (0.26)	NT ND (0.29)	NT ND (0.26)	ND (0.30)	ND (0.26)	1.3	NT ND (0.24)	18 ND (0.26)	40 ND (0.28)	80 1.1	31 ND (0.26)	100 0.29
Chromium	2.7	8.1	14	8.9	11	28	8.1	29	9.2	7.9	11	19	11	13
LEAD Selenium	1.8 ND (5.5)	6.1 NT	1.7 NT	17 NT	5.6 NT	29 NT	4.3 NT	11 NT	5.9 NT	5.4 ND (5.3)	14 ND (5.6)	23 ND (5.8)	6.7 ND (5.1)	25 ND (5.7)
Silver	ND (0.55)	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.53)	ND (0.56)	ND (0.58)	ND (0.51)	ND (0.57)
SW-846 7471B (mg/Kg dry) Metals Digestion Mercury	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.029)	ND (0.026)	0.046	ND (0.026)	0.031	ND (0.026)	ND (0.027)	0.039	0.057	ND (0.026)	0.074
SW-846 8082A (mg/Kg dry)					· · · · ·									
PCB 1016 PCB 1221	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.12) ND (0.12)
PCB 1232	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.12)	ND (0.10)	ND (0.12)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.12)
PCB 1242 PCB 1248	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.12) 0.38	ND (0.10) ND (0.10)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.12) ND (0.12)
PCB 1254	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.10)	0.35	ND (0.10)	0.23	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.12)
PCB 1260 PCB 1262	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	ND (0.10) ND (0.10)	ND (0.12) ND (0.12)
PCB 1268	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12) ND (0.12)	ND (0.10)	ND (0.12)	ND (0.10)	ND (0.12)	ND (0.10)	ND (0.11) ND (0.11)	ND (0.11) ND (0.11)	ND (0.12) ND (0.12)	ND (0.10)	ND (0.12) ND (0.12)
SW-846 8100 Modified (mg/Kg dry) TPH-DRO	ND (9.3)	740	ND (9.0)	8100	18	9700	19	110000	3100	46000	780	6200	90	4700
SW-846 8260C (mg/Kg dry)	(9.5) UD (9.5)	740	ND (9.0)	8100	10	9700	19	110000	5100	46000	780	6200	90	4700
ACETONE TERT-AMYLMETHYL ETHER	ND (0.13)	ND (0.058)	ND (0.099)	ND (5.8)	ND (0.052)	ND (0.11)	ND (0.11) ND (0.0011)	ND (59) *	ND (13) *	ND (0.16)	ND (7.0) *	ND (9.4) *	ND (0.24)	ND (0.15)
BENZENE	ND (0.0013) ND (0.0026)	ND (0.00058) ND (0.0012)	ND (0.00099) ND (0.0020)	ND (0.058) ND (0.12)	ND (0.00052) ND (0.0010)	ND (0.0011) ND (0.0022)	ND (0.0011) ND (0.0022)	ND (0.59) ND (1.2)	ND (0.065) ND (0.13)	ND (0.0016) ND (0.0032)	ND (0.035) ND (0.070)	ND (0.047) ND (0.094)	ND (0.0012) ND (0.0024)	ND (0.0015) ND (0.0030)
BROMOBENZENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.12)	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (1.2)	ND (0.13)	ND (0.0032)	ND (0.070)	ND (0.094)	ND (0.0024)	ND (0.0030)
BROMOCHLOROMETHANE BROMODICHLOROMETHANE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	ND (0.12) ND (0.12) *	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) ND (1.2) *	ND (0.13) ND (0.13) *	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.070)	ND (0.094) ND (0.094)	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
BROMOFORM	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.12) *	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (1.2) *	ND (0.26) *	ND (0.0032)	ND (0.14) *	ND (0.19) *	ND (0.0024)	ND (0.0030)
BROMOMETHANE 2-BUTANONE (MEK)	ND (0.013) ND (0.051)	ND (0.0058) ND (0.023)	ND (0.0099) ND (0.039)	ND (0.58) * ND (2.3)	ND (0.0052) ND (0.021)	ND (0.011) ND (0.043)	ND (0.011) ND (0.045)	ND (5.9) * ND (24) *	ND (0.26) ND (2.6)	ND (0.016) ND (0.064)	ND (0.14) ND (1.4)	ND (0.19) ND (1.9)	ND (0.012) ND (0.049)	ND (0.015) ND (0.060)
N-BUTYLBENZENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	0.54	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (12)	ND (0.13)	ND (0.0032)	0.54	1.1	0.0043	ND (0.0030)
SEC-BUTYLBENZENE TERT-BUTYLBENZENE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	0.29 ND (0.12)	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) ND (1.2)	ND (0.13) ND (0.13)	ND (0.0032) ND (0.0032)	0.19 ND (0.070)	0.33 ND (0.094)	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
TERT-BUTYLETHYL ETHER	ND (0.0013)	ND (0.00058)	ND (0.00099)	ND (0.058)	ND (0.00052)	ND (0.0011)	ND (0.0011)	ND (0.59)	ND (0.065)	ND (0.0016)	ND (0.035)	ND (0.047)	ND (0.0012)	ND (0.0015)
CARBON DISULFIDE CARBON TETRACHLORIDE	ND (0.0077) ND (0.0026)	ND (0.0035) ND (0.0012)	ND (0.0059) ND (0.0020)	ND (1.2) ND (0.12)	ND (0.0031) ND (0.0010)	ND (0.0065) ND (0.0022)	ND (0.0067) ND (0.0022)	ND (12) ND (1.2)	ND (1.3) ND (0.13)	ND (0.0095) ND (0.0032)	ND (0.70) ND (0.070)	ND (0.94) ND (0.094)	ND (0.12) ND (0.0024)	ND (0.0090) ND (0.0030)
CHLOROBENZENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	0.18	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (1.2) *	ND (0.13)	ND (0.0032)	ND (0.070)	ND (0.094)	ND (0.0024)	ND (0.0030)
CHLORODIBROMOMETHANE CHLOROETHANE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.058) *	ND (0.00052)	ND (0.0011)	ND (0.0011)	ND (0.59) *	ND (0.065) *	ND (0.0016)	ND (0.035) *	ND (0.047) *	ND (0.0012)	ND (0.0015) ND (0.015)
CHLOROFORM	ND (0.013) ND (0.0051)	ND (0.0058) ND (0.0023)	ND (0.0099) ND (0.0039)	ND (0.23) ND (0.23)	ND (0.0052) ND (0.0021)	ND (0.011) ND (0.0043)	ND (0.011) ND (0.0045)	ND (2.4) ND (2.4) *	ND (0.26) ND (0.26)	ND (0.016) ND (0.0064)	ND (0.14) ND (0.14)	ND (0.19) ND (0.19)	ND (0.012) ND (0.0049)	ND (0.015) ND (0.0060)
CHLOROMETHANE	ND (0.013)	ND (0.0058)	ND (0.0099)	ND (0.23)	ND (0.0052)	ND (0.011)	ND (0.011)	ND (2.4)	ND (0.26)	ND (0.016)	ND (0.14)	ND (0.19)	ND (0.012)	ND (0.015)
2-CHLOROTOLUENE 4-CHLOROTOLUENE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	ND (0.12) ND (0.12)	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (12) ND (1.2)	ND (0.13) ND (0.13)	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.070)	ND (0.094) ND (0.094)	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
1,2-DIBROMO-3-CHLOROPROPANE	ND (0.0051)	ND (0.0023)	ND (0.0039)	ND (0.47)	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (4.8)	ND (1.3)	ND (0.0032)	ND (0.70)	ND (0.94)	ND (0.0049)	ND (0.0030)
EDB DIBROMOMETHANE	ND (0.0013) ND (0.0026)	ND (0.00058) ND (0.0012)	ND (0.00099) ND (0.0020)	ND (0.058) ND (0.12)	ND (0.00052) ND (0.0010)	ND (0.0011) ND (0.0022)	ND (0.0011) ND (0.0022)	ND (0.59) ND (1.2)	ND (0.065) ND (0.13)	ND (0.0016) ND (0.0032)	ND (0.035) ND (0.070)	ND (0.047) ND (0.094)	ND (0.0012) ND (0.0024)	ND (0.0015) ND (0.0030)
1,2-DICHLOROBENZENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.12)	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (1.2)	ND (0.13)	ND (0.0032)	0.081	ND (0.094)	ND (0.0024)	ND (0.0030)
1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	0.15 0.17	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) * ND (1.2) *	ND (0.13) ND (0.13)	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.070)	ND (0.094) ND (0.094)	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
DICHLORODIFLUOROMETHANE	ND (0.013)	ND (0.0058)	ND (0.0099)	ND (0.23)	ND (0.0052)	ND (0.011)	ND (0.011)	ND (2.4)	ND (0.26)	ND (0.016)	ND (0.14)	ND (0.19)	ND (0.012)	ND (0.015)
1,1-DICHLOROETHANE 1,2-DICHLOROETHANE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	ND (0.12) ND (0.12) *	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) * ND (1.2) *	ND (0.13) ND (0.13) *	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.070)	ND (0.094) ND (0.094)	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
1,1-DICHLOROETHYLENE	ND (0.0020)	ND (0.0012) ND (0.0023)	ND (0.0039)	ND (0.12)	ND (0.0010)	ND (0.0022) ND (0.0043)	ND (0.0045)	ND (2.4)	ND (0.13)	ND (0.0052) ND (0.0064)	ND (0.070)	ND (0.094)	ND (0.0024)	ND (0.0060)
CIS-1,2-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHYLENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.12)	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (1.2) *	ND (0.13) ND (0.13)	ND (0.0032)	ND (0.070)	0.15	ND (0.0024)	ND (0.0030)
1,2-DICHLOROPROPANE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	ND (0.12) ND (0.12) *	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) * ND (1.2) *	ND (0.13) ND (0.13) *	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.070)	ND (0.094) ND (0.094)	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
1,3-DICHLOROPROPANE	ND (0.0013)	ND (0.00058)	ND (0.00099)	ND (0.058)	ND (0.00052)	ND (0.0011)	ND (0.0011)	ND (0.59)	ND (0.065)	ND (0.0016)	ND (0.035)	ND (0.047)	ND (0.0012)	ND (0.0015)
2,2-DICHLOROPROPANE 1,1-DICHLOROPROPENE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	ND (0.12) * ND (0.23) *	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) * ND (2.4) *	ND (0.13) * ND (0.26) *	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.14) *	ND (0.094) ND (0.19) *	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
CIS-1,3-DICHLOROPROPENE	ND (0.0013)	ND (0.00058)	ND (0.00099)	ND (0.058) *	ND (0.00052)	ND (0.0011)	ND (0.0011)	ND (0.59) *	ND (0.065) *	ND (0.0016)	ND (0.035) *	ND (0.047) *	ND (0.0012)	ND (0.0015)
TRANS-1,3-DICHLOROPROPENE DIETHYL ETHER	ND (0.0013) ND (0.013)	ND (0.00058) ND (0.0058)	ND (0.00099) ND (0.0099)	ND (0.058) * ND (0.23)	ND (0.00052) ND (0.0052)	ND (0.0011) ND (0.011)	ND (0.0011) ND (0.011)	ND (0.59) * ND (2.4)	ND (0.26) * ND (0.26)	ND (0.0016) ND (0.016)	ND (0.035) * ND (0.14)	ND (0.047) * ND (0.19)	ND (0.0024) ND (0.012)	ND (0.0015) ND (0.015)
DIISOPROPYL ETHER	ND (0.0013)	ND (0.00058)	ND (0.00099)	ND (0.058)	ND (0.00052)	ND (0.0011)	ND (0.0011)	ND (0.59)	ND (0.065)	ND (0.0016)	ND (0.035)	ND (0.047)	ND (0.0012)	ND (0.0015)
1,4-DIOXANE ETHYLBENZENE	ND (0.13) ND (0.0026)	ND (0.058) ND (0.0012)	ND (0.099) ND (0.0020)	ND (5.8) * 0.67	ND (0.052) ND (0.0010)	ND (0.11) ND (0.0022)	ND (0.11) ND (0.0022)	ND (59) * ND (1.2)	ND (6.5) * ND (0.13)	ND (0.16) ND (0.0032)	ND (3.5) * 0.23	ND (4.7) * 0.53	ND (0.12) ND (0.0024)	ND (0.15) ND (0.0030)
HEXACHLOROBUTADIENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.12)	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (2.4)	ND (0.13)	ND (0.0032)	ND (0.070)	ND (0.094)	ND (0.0024)	ND (0.0030)
2-HEXANONE ISOPROPYLBENZENE	ND (0.026) ND (0.0026)	ND (0.012) ND (0.0012)	ND (0.020) ND (0.0020)	ND (1.2) 0.26	ND (0.010) ND (0.0010)	ND (0.022) ND (0.0022)	ND (0.022) ND (0.0022)	ND (12) ND (1.2)	ND (1.3) ND (0.13)	ND (0.032) ND (0.0032)	ND (0.70) 0.17	ND (0.94) 0.25	ND (0.024) ND (0.0024)	ND (0.030) ND (0.0030)
P-ISOPROPYLTOLUENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	0.28	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (1.2)	ND (0.13)	ND (0.0032)	0.26	0.43	ND (0.0024)	ND (0.0030)
MTBE METHYLENE CHLORIDE	ND (0.0051) ND (0.013)	ND (0.0023) ND (0.0058)	ND (0.0039) ND (0.0099)	ND (0.12) * ND (0.58) *	ND (0.0021) ND (0.0052)	ND (0.0043) ND (0.011)	ND (0.0045) ND (0.011)	ND (1.2) * ND (5.9) *	ND (0.13) * ND (0.13) *	ND (0.0064) ND (0.016)	ND (0.070) ND (0.70) *	ND (0.094) ND (0.94) *	ND (0.0049) ND (0.012)	ND (0.0060) ND (0.015)
MIBK	ND (0.013) ND (0.026)	ND (0.0038) ND (0.012)	ND (0.020)	ND (0.38) * ND (1.2) *	ND (0.0032)	ND (0.011) ND (0.022)	ND (0.011) ND (0.022)	ND (3.3) * ND (12) *	ND (0.13) *	ND (0.010) ND (0.032)	ND (0.70) *	ND (0.94) *	ND (0.012) ND (0.024)	ND (0.013) ND (0.030)
NAPHTHALENE	ND (0.0051)	ND (0.0023)	ND (0.0039)	6.3	ND (0.0021)	0.010	ND (0.0045)	ND (12) *	ND (0.26)	ND (0.0064)	1.4	15	ND (0.012)	ND (0.0030)
N-PROPYLBENZENE STYRENE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	0.57 ND (0.12)	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) ND (1.2)	ND (0.13) ND (0.13)	ND (0.0032) ND (0.0032)	0.34 ND (0.070)	0.61 ND (0.094)	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
1,1,1,2-TETRACHLOROETHANE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.12) *	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (1.2) *	ND (0.13) *	ND (0.0032)	ND (0.070)	ND (0.094)	ND (0.0024)	ND (0.0015)
1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHYLENE	ND (0.0013) ND (0.0026)	ND (0.00058) ND (0.0012)	ND (0.00099) ND (0.0020)	ND (0.058) * ND (0.12)	ND (0.00052) ND (0.0010)	ND (0.0011) ND (0.0022)	ND (0.0011) ND (0.0022)	ND (0.59) * ND (1.2) *	ND (0.065) * ND (0.13)	ND (0.0016) ND (0.0032)	ND (0.035) * ND (0.070)	ND (0.047) * 2.3	ND (0.0012) ND (0.0024)	ND (0.0030) ND (0.015)
TETRAHYDROFURAN	ND (0.013)	ND (0.0058)	ND (0.0099)	ND (0.58)	ND (0.0052)	ND (0.011)	ND (0.011)	ND (4.8)	ND (0.52)	ND (0.016)	ND (0.28)	ND (0.38)	ND (0.012)	ND (0.0030)
TOLUENE 1,2,3-TRICHLOROBENZENE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	ND (0.12) ND (0.47)	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) ND (5.9)	ND (0.13) ND (0.52)	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.28)	0.67 ND (0.38)	ND (0.0024) ND (0.0049)	ND (0.0030) ND (0.0030)
1,2,4-TRICHLOROBENZENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.12)	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (2.4) *	ND (0.13)	ND (0.0032)	ND (0.070)	ND (0.094)	ND (0.0024)	ND (0.0030)
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	ND (0.12) ND (0.12) *	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) ND (1.2) *	ND (0.13) ND (0.13) *	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.070)	ND (0.094) ND (0.094)	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.0030)
TRICHLOROETHYLENE	ND (0.0026) ND (0.0026)	0.0015	ND (0.0020) ND (0.0020)	ND (0.12) * ND (0.12)	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (1.2) * ND (1.2) *	ND (0.13)	ND (0.0032) ND (0.0032)	ND (0.070) ND (0.070)	0.27	ND (0.0024) ND (0.0024)	ND (0.0030) ND (0.015)
	ND (0.013)	ND (0.0058)	ND (0.0099)	ND (0.23)	ND (0.0052)	ND (0.011)	ND (0.011)	ND (2.4)	7.2	ND (0.016)	ND (0.14)	ND (0.19)	ND (0.012)	ND (0.0030)
1,2,3-TRICHLOROPROPANE 1,2,4-TRIMETHYLBENZENE	ND (0.0026) ND (0.0026)	ND (0.0012) ND (0.0012)	ND (0.0020) ND (0.0020)	ND (0.23) 0.32	ND (0.0010) ND (0.0010)	ND (0.0022) ND (0.0022)	ND (0.0022) ND (0.0022)	ND (2.4) ND (1.2)	ND (0.26) ND (0.13)	ND (0.0032) ND (0.0032)	ND (0.14) 1.8	ND (0.19) 3.4	ND (0.0024) 0.017	0.0042 ND (0.0030)
1,3,5-TRIMETHYLBENZENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.12)	ND (0.0010)	ND (0.0022)	ND (0.0022)	ND (1.2)	ND (0.13)	ND (0.0032)	0.32	1.2	0.0050	ND (0.015)
VINYL CHLORIDE M/P-XYLENE	ND (0.013) ND (0.0051)	ND (0.0058) ND (0.0023)	ND (0.0099) ND (0.0039)	ND (0.23) ND (0.23)	ND (0.0052) ND (0.0021)	ND (0.011) ND (0.0043)	ND (0.011) ND (0.0045)	ND (2.4) * ND (2.4)	ND (0.26) ND (0.26)	ND (0.016) ND (0.0064)	ND (0.14) 0.19	ND (0.19) 2.3	ND (0.012) ND (0.0049)	ND (0.0060) ND (0.0030)
O-XYLENE	ND (0.0026)	ND (0.0012)	ND (0.0020)	ND (0.23) ND (0.12)	ND (0.0021)	ND (0.0022)	ND (0.0022)	ND (2.4) ND (1.2)	ND (0.20) ND (0.13)	ND (0.0032)	ND (0.070)	1.4	0.0033	3.1

Table 3 Summary of Disposal Analytical Data 430 Boston Post Road Wayland, Massachusetts

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Parameter		
	Disp 20k	
<i>SW-846 8270D (mg/Kg dry)</i> ACENAPHTHENE	ND (0.19)	
ACENAPHTHENE	ND (0.19)	
ACETOPHENONE	ND (0.13)	
ANILINE	ND (0.38)	
ANTHRACENE	ND (0.19)	
BENZO(A)ANTHRACENE	ND (0.19)	
BENZO(A)PYRENE	ND (0.19)	
BENZO(B)FLUORANTHENE	ND (0.19)	
BENZO(G,H,I)PERYLENE	ND (0.19)	
BENZO(K)FLUORANTHENE	ND (0.19)	
BIS(2-CHLOROETHOXY)METHANE	ND (0.38)	
BIS(2-CHLOROETHYL)ETHER	ND (0.38)	
BIS(2-CHLOROISOPROPYL)ETHER	ND (0.38)	
BIS(2-ETHYLHEXYL)PHTHALATE 4-BROMOPHENYL PHENYL ETHER	ND (0.38) ND (0.38)	
BUTYLBENZYLPHTHALATE	ND (0.38) ND (0.73)	
4-CHLOROANILINE	ND (0.73)	
2-CHLORONAPHTHALENE	ND (0.38)	
2-CHLOROPHENOL	ND (0.38)	
CHRYSENE	ND (0.19)	
DIBENZ(A,H)ANTHRACENE	ND (0.19)	
DIBENZOFURAN	ND (0.38)	
DI-N-BUTYLPHTHALATE	ND (0.38)	
1,2-DICHLOROBENZENE	ND (0.38)	
1,3-DICHLOROBENZENE	ND (0.38)	
1,4-DICHLOROBENZENE	ND (0.38)	
3,3'-DICHLOROBENZIDINE	ND (0.19)	
2,4-DICHLOROPHENOL DIETHYLPHTHALATE	ND (0.38)	
2,4-DIMETHYLPHENOL	ND (0.38) ND (0.38)	
DIMETHYLPHTHALATE	ND (0.38) ND (0.73)	
2,4-DINITROPHENOL	ND (0.73)	
2,4-DINITROTOLUENE	ND (0.38)	
2,6-DINITROTOLUENE	ND (0.38)	
DI-N-OCTYLPHTHALATE	ND (0.73)	
1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	ND (0.38)	
FLUORANTHENE	ND (0.19)	
FLUORENE	ND (0.19)	
HEXACHLOROBENZENE	ND (0.38)	
HEXACHLOROBUTADIENE	ND (0.38)	
	ND (0.38)	
INDENO(1,2,3-CD)PYRENE ISOPHORONE	ND (0.19) ND (0.38)	
2-METHYLNAPHTHALENE	ND (0.38) ND (0.19)	
O-CRESOL	ND (0.15) ND (0.38)	
M/P-CRESOL	ND (0.38)	
NAPHTHALENE	ND (0.19)	
NITROBENZENE	ND (0.38)	
2-NITROPHENOL	ND (0.38)	
4-NITROPHENOL	ND (0.73)	
PENTACHLOROPHENOL	ND (0.38)	
PHENANTHRENE	ND (0.19)	
PHENOL	ND (0.38)	
PYRENE	ND (0.19)	
1,2,4-TRICHLOROBENZENE	ND (0.38)	
2,4,5-TRICHLOROPHENOL	ND (0.38)	
2,4,6-TRICHLOROPHENOL SW-846 9014 (mg/Kg)	ND (0.38)	⊢
Reactive Cyanide	ND (3.9)	
SW-846 9030A (mg/Kg)		
Reactive Sulfide	ND (20)	
SW-846 9045C (pH Units)		Γ
рН	9.0	

Analytical data presented in milligrams per kilogram (mg/Kg).
 An astarisk (*) following a detection limit indicates that the minimum lab

3. ND = Not detected above the lab reporting limits shown in parenthesis.

4. NT = Not tested. 5. \sim = No Method 1 Standard available

6. Bolded values exceed the Method 1 Cleanup Standards.

Table 3 Summary of Disposal Analytical Data 430 Boston Post Road Wayland, Massachusetts

SAMPLING LOCATION

					SAIVIT EIIVO	LOCATION						
RP-1207H-2	DISP-3H	DISP-20K (EXT)	Basin-4	Basin-4A	RP-1212D	RP-1213E	20K Pipe	Basin-5	SF-Disp	Basin-1A	DISP-0124	Basin-7
ND (0.37)	ND (0.18)	1.6	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5) *	ND (0.17)	ND (2.1)	ND (0.38)	20	ND (0.36)	46
ND (0.37)	ND (0.18)	ND (0.79)	ND (0.18)	ND (1.6) *	ND (0.18)	ND (6.5) *	0.34	ND (2.1) *	ND (0.38)	ND (0.41)	ND (0.36)	ND (4.0) *
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.37)	ND (0.18)	1.7	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	ND (0.17)	ND (2.1)	ND (0.38)	24	ND (0.36)	60
ND (0.37)	ND (0.18)	3.5	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	0.91	ND (2.1)	0.42	25	ND (0.36)	95
ND (0.37)	ND (0.18)	5.2	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5) *	1.3	ND (2.1) *	ND (0.38)	21	ND (0.36)	76
ND (0.37)	ND (0.18)	2.6	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	1.4	ND (2.1)	0.41	24	ND (0.36)	87
ND (0.37)	ND (0.18)	ND (0.79)	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	0.82	ND (2.1)	ND (0.38)	15	ND (0.36)	44
ND (0.37)	ND (0.18)	3.8	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	0.51	ND (2.1)	ND (0.38)	8.9	ND (0.36)	30
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	15	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	12	ND (0.71)	ND (8.0)
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (1.4)	ND (0.71)	ND (3.1)	ND (0.69)	12	ND (0.70)	ND (25)	ND (0.67)	ND (8.1)	ND (1.5)	ND (1.6)	ND (1.4)	ND (15)
ND (1.4) *	ND (0.71)	ND (3.1) *	ND (0.69)	ND (6.3) *	ND (0.70)	ND (25) *	ND (0.67)	ND (8.1) *	ND (1.5) *	ND (1.6) *	ND (1.4) *	ND (15) *
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (0.37)	ND (0.18)	5.1	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	1.1	ND (2.1)	0.55	24	ND (0.36)	91
ND (0.37)	ND (0.18)	ND (0.79) *	ND (0.18)	ND (1.6) *	ND (0.18)	ND (6.5) *	0.26	ND (2.1) *	ND (0.38)	2.5	ND (0.36)	14
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	15	ND (0.71)	25
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (1.6)	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.74)	ND (0.37)	ND (1.6) *	ND (0.36)	ND (1.6) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0) *
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (1.6) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (0.37)	ND (0.18)	ND (0.79)	ND (0.18)	ND (1.6) *	ND (0.18)	ND (6.5) *	ND (0.17)	ND (2.1) *	ND (0.38)	ND (0.41)	ND (0.36)	ND (4.0) *
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (1.4)	ND (0.71)	ND (3.1)	ND (0.69)	ND (6.3)	ND (0.70)	ND (25)	ND (0.67)	ND (8.1)	ND (1.5)	ND (1.6)	ND (1.4)	ND (15)
ND (1.4)	ND (0.71)	ND (3.1) *	ND (0.69)	ND (6.3) *	ND (0.70)	ND (25) *	ND (0.67)	ND (8.1) *	ND (1.5)	ND (1.6)	ND (1.4)	ND (15) *
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (1.4)	ND (0.71)	ND (3.1)	ND (0.69)	ND (6.3)	ND (0.70)	ND (25)	ND (0.67)	ND (8.1)	ND (1.5)	ND (1.6)	ND (1.4)	ND (15)
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (1.6)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.37)	ND (0.18)	4.4	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	0.87	2.4	0.77	69	ND (0.36)	260
ND (0.37)	ND (0.18)	2.5	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	ND (0.17)	ND (2.1)	0.52	18	ND (0.36)	32
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0) *
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (0.37)	ND (0.18)	1.6	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	0.96	ND (2.1)	ND (0.38)	17	ND (0.36)	60
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.37)	ND (0.18)	4.2	ND (0.18)	ND (1.6) *	ND (0.18)	ND (6.5) *	ND (0.17)	ND (2.1) *	4.0	8.1	ND (0.36)	12
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.37)	ND (0.18)	5.5	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5) *	ND (0.17)	ND (2.1)	1.0	21	ND (0.36)	21
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3)	ND (0.36)	ND (13)	ND (0.35)	ND (4.2)	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0)
ND (1.4)	ND (0.71)	ND (3.1)	ND (0.69)	ND (6.3)	ND (0.70)	ND (25)	ND (0.67)	ND (8.1)	ND (1.5)	ND (1.6)	ND (1.4)	ND (15)
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0) *
ND (0.37)	ND (0.18)	12	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	0.36	3.1	1.6	83	ND (0.36)	220
ND (0.74)	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0) *
ND (0.37)	ND (0.18)	4.9	ND (0.18)	ND (1.6)	ND (0.18)	ND (6.5)	1.6	ND (2.1)	0.92	63	ND (0.36)	160
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (1.6)	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0) *
ND (0.74)	ND (0.37)	ND (1.6)	ND (0.36)	ND (1.6)	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77)	ND (0.81)	ND (0.71)	ND (8.0) *
ND (0.74) *	ND (0.37)	ND (1.6) *	ND (0.36)	ND (3.3) *	ND (0.36)	ND (13) *	ND (0.35)	ND (4.2) *	ND (0.77) *	ND (0.81) *	ND (0.71) *	ND (8.0) *
ND (3.9)	ND (4.0)	ND (3.9)	ND (4.0)	ND (4.0)	ND (4.0)	ND (3.9)	NT	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)
ND (19)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (19)	NT	ND (19)	ND (20)	ND (19)	ND (19)	ND (19)
8.0	12	9.1	9.2	12	8.8	8.3	NT	7.2	8.2	11	8.0	11

2. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.

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Table 4 Summary of Stockpile Identification 430 Boston Post Road Wayland, Massachusetts

Stockpile Material Origination	Stockpile Disposal Sample Identification	Date Sampled	Reason for Segregation	Date Shipped Off-site	Weight Slip Tonnage (tons)
CONTAINERIZED WASTE Sample of the material contained within the two 3,000- gallon insulating oil USTs	DISP-3K	12/8/2011	Containerized Waste	2/2/2012	64.34
CONTAINERIZED WASTE Sample of the material contained within the 20,000-gallon No. 6 Fuel Oil UST	Disp 20k	12/8/2011	Containerized Waste	2/2/2012	127.02
		0		Total Containerized Waste (tons) =	191.36
Sample of the soil from the UST excavation below the 20,000-gallon No. 6 Fuel Oil UST	DISP-20K (EXT)	12/8/2011	Visual or olfactory impacts	1/23-25/2012	109.47
Sample of soil from coal ash observed during the removal of the removal of a foundation wall in the western edge of the future Stop & Shop parking area. (approximately five cubic yards added on 1/13/2012)	RP-1207H	12/7/2011	Visual impacts	1/23-25/2012	25.53
Sample of material (primarily sand) from a machinery storage area	Basin-4	12/12/2011	Visual or olfactory impacts	1/23-25/2012	61.70
Sample of material, mostly concrete, sand and waste materials (debris – suspected to be from the building demolition) from a suspected hydraulic lift concrete structure.	Basin-4A	12/12/2011	Visual or olfactory impacts	1/23-25/2012	12.69
Sample of soil in the vicinity of a 1-inch pipe that appeared to have a release of oil into an excavation on the southwest corner of the former Raytheon Building Pad.	RP-1212D	12/12/2011	Visual or olfactory impacts	1/23-1/25/2012	3.17
Sample of black oily sand and gravel excavated near a former suspected elevator piston.	RP-1213E	12/13/2011	Visual or olfactory impacts PID measurements greater than 10 Parts Per Million	1/23-25/2012	12.84
Sample of soil in the vicinity of a pipe suspected to have been formerly attached to the 20,000-gallon UST. The pipe was not connected or observed during the removal of the 20,000-gallon UST.	20K Pipe	12/22/2011	Visual or olfactory impacts	1/23-25/2012	Included in weight of DISP- 20K (EXT)
Sample of black oily sand and gravel excavated adjacent to a wood and metal retaining wall from a depth of approximately 15 feet below ground surface.	SF-DISP	12/29/2011	Visual or olfactory impacts PID measurements greater than 10 Parts Per Million	1/23-25/2012	29.86
Sample of material (mostly concrete, sand and waste materials (debris – suspected to be from the building demolition) from a suspected hydraulic lift concrete structure.	Basin-5	12/30/2011	Visual or olfactory impacts	1/23-25/2012	29.06
Sample of contents of Basin-1A (mostly concrete and sand), but also including oily sands and an oil-covered sump pump.	Basin-1A	1/5/2012	Visual or olfactory impacts PID measurements greater than 10 Parts Per Million	1/23-25/2012	19.18
Sample of material (mostly concrete, sand and waste materials (debris – suspected to be from the building demolition) from a suspected hydraulic lift concrete structure.	Basin-6	1/13/2012	Visual or olfactory impacts	1/23-25/2012	6.42
Soil sample with a moderate solvent odor from approximately 10 feet to the east of the former 20,000- gallon No. 6 Fuel Oil UST.	DISP-0124	1/24/2012	Visual or olfactory impacts PID measurements greater than 10 Parts Per Million	4/12/2012	9.67
Sample of material (mostly concrete, sand and waste materials (debris – suspected to be from the building demolition) from a suspected hydraulic lift concrete structure.	Basin-7	1/31/2012	Visual or olfactory impacts	4/12/2012	19.33
				Total Other Waste (tons) =	338.92

			October 31, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:20	Upwind	0.600	0.043	0.148	0.090
	Downwind	0.690	0.029	0.296	
9:20	Upwind	0.056	0.023	0.243	0.534
	Downwind Upwind	0.590	0.024	0.296	
10:31	Downwind	0.032	0.170	0.281	-0.408
	Upwind	0.032	0.014	0.259	
11:20	Downwind	0.032	0.012	0.495	-0.007
12:25	Upwind	0.031	0.014	0.259	-0.024
12.25	Downwind	0.007	0.260	0.495	-0.024
13:20	Upwind	0.030	0.003	1.140	-0.007
	Downwind	0.023	0.007	0.495	
14:15	Upwind	0.029	0.003	1.390	-0.007
	Downwind Upwind	0.022	0.006	0.495 19.3	
15:00	Downwind	0.040	0.005	0.495	-0.025
	Bounna	0.021	November 1, 2011	0.435	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
7:50	Upwind	0.050	0.039	0.163	-0.002
7.50	Downwind	0.048	0.037	0.239	-0.002
8:40	Upwind	0.055	0.039	0.163	0.001
	Downwind	0.056	0.037	0.239	
9:50	Upwind	0.060	0.039	0.211	0.000
	Downwind Upwind	0.060	0.037	0.563 0.211	1
10:45	Downwind	0.061	0.035	0.563	0.000
11.10	Upwind	0.061	0.039	0.211	0.001
11:40	Downwind	0.062	0.037	1.090	0.001
12:35	Upwind	0.059	0.039	0.211	0.001
12.55	Downwind	0.060	0.037	1.090	0.001
13:40	Upwind	0.052	0.004	0.211	0.003
	Downwind	0.055	0.005	1.090	
14:40	Upwind	0.046	0.003	0.211	0.003
-	Downwind Upwind	0.049	0.004	1.090 0.211	
15:05	Downwind	0.044	0.003	1.090	0.005
	bounna	01015	November 2, 2011	1.050	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:15	Upwind	0.038	0.020	0.216	0.016
0.13	Downwind	0.054	0.020	0.665	0.010
9:10			0.020	0.216	
	Upwind	0.035			0.010
	Downwind	0.045	0.018	0.665	0.010
10:16	Downwind Upwind	0.045 0.030	0.018 0.016	0.665 0.216	0.010
	Downwind Upwind Downwind	0.045 0.030 0.038	0.018 0.016 0.015	0.665 0.216 0.665	0.008
10:16	Downwind Upwind Downwind Upwind	0.045 0.030 0.038 0.030	0.018 0.016 0.015 0.014	0.665 0.216 0.665 0.362	
11:13	Downwind Upwind Downwind	0.045 0.030 0.038	0.018 0.016 0.015	0.665 0.216 0.665	0.008
	Downwind Upwind Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034	0.018 0.016 0.015 0.014 0.013	0.665 0.216 0.665 0.362 0.665	0.008
11:13	Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind	0.045 0.030 0.038 0.030 0.034 0.027 0.030 0.024	0.018 0.016 0.015 0.014 0.013 0.006 0.006 0.006	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362	0.008
11:13 12:10	Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.030 0.024 0.027	0.018 0.016 0.015 0.014 0.013 0.006 0.006 0.006 0.006	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665	0.008
11:13 12:10	Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind	0.045 0.030 0.038 0.030 0.034 0.027 0.030 0.024 0.027 0.022	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362	0.008
11:13 12:10 13:12	Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.030 0.024 0.027 0.022 0.022	0.018 0.016 0.015 0.014 0.013 0.006 0.006 0.006 0.006 0.006	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665	0.008 0.004 0.003 0.003
11:13 12:10 13:12	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Downwind Upwind	0.045 0.030 0.038 0.030 0.034 0.027 0.030 0.024 0.027 0.022 0.025 0.021	0.018 0.015 0.015 0.014 0.013 0.006 0.006 0.006 0.006 0.006 0.006 0.006	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362	0.008 0.004 0.003 0.003
11:13 12:10 13:12 14:10	Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.030 0.024 0.027 0.022 0.022	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665	0.008 0.004 0.003 0.003 0.003
11:13 12:10 13:12 14:10 14:55	Downwind Upwind Downwind Downwind Upwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.024 0.027 0.022 0.022 0.025 0.021 0.024	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665	0.008 0.004 0.003 0.003 0.003 0.003
11:13 12:10 13:12 14:10 14:55 Time	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Downwind Upwind	0.045 0.030 0.038 0.030 0.034 0.027 0.030 0.024 0.027 0.022 0.025 0.021	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362	0.008 0.004 0.003 0.003 0.003 0.003 Differential (Down-Up)
11:13 12:10 13:12 14:10 14:55	Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.024 0.027 0.022 0.022 0.025 0.021 0.024 0.024 0.024	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 November 3, 2011 Minimum	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum	0.008 0.004 0.003 0.003 0.003 0.003
11:13 12:10 13:12 14:10 14:55 Time 8:03	Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.030 0.024 0.027 0.022 0.025 0.021 0.024 0.021 0.024 Verage 0.038	0.018 0.016 0.015 0.014 0.013 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 November 3, 2011 Minimum 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.362 0.752 Maximum 0.186	0.008 0.004 0.003 0.003 0.003 0.003 0.003 Differential (Down-Up) -0.003
11:13 12:10 13:12 14:10 14:55 Time	Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.024 0.027 0.022 0.025 0.021 0.024 Average 0.038 0.035 0.034 0.043	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 November 3, 2011 Minimum 0.024 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638	0.008 0.004 0.003 0.003 0.003 0.003 Differential (Down-Up)
11:13 12:10 13:12 14:10 14:55 Time 8:03	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.024 0.027 0.022 0.025 0.021 0.024 0.024 0.024 0.024 0.024 0.024 0.038 0.038 0.038 0.034 0.034 0.034 0.034 0.035 0.034 0.034 0.035 0.034 0.035 0.034 0.027 0.021 0.021 0.021 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.024 0.027 0.022 0.025 0.024 0.024 0.027 0.024 0.027 0.024 0.027 0.024 0.025 0.024 0.024 0.027 0.024 0.024 0.027 0.024 0.024 0.024 0.025 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.038 0.038 0.038 0.034 0.034 0.024 0.024 0.024 0.024 0.038 0.038 0.038 0.034 0.034 0.035 0.034 0.034 0.034 0.035 0.034 0.035 0.034 0.035 0.034 0.035 0.034 0.035 0.034 0.035 0.034 0.035 0.034 0.035 0.034 0.035 0.035 0.034 0.035 0.034 0.035 0.034 0.035 0.035 0.034 0.035 0.035 0.034 0.055 0.	0.018 0.016 0.015 0.014 0.013 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.002 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.186 0.638 0.560	0.008 0.004 0.003 0.003 0.003 0.003 0.003 Differential (Down-Up) -0.003
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10	Downwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.027 0.024 0.027 0.022 0.025 0.021 0.024 Average 0.038 0.035 0.034 0.043 0.043	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 November 3, 2011 Minimum 0.024 0.024 0.024 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.186 0.638 0.560 1.000	0.008 0.004 0.003 0.003 0.003 0.003 0.003 Differential (Down-Up) -0.003 0.009
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10	Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind	0.045 0.030 0.038 0.030 0.034 0.027 0.022 0.024 0.027 0.022 0.025 0.021 0.024 Average 0.038 0.038 0.035 0.034 0.043 0.051 0.048	0.018 0.016 0.015 0.014 0.006 0.0024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.638 0.186 0.638 0.560	0.008 0.004 0.003 0.003 0.003 0.003 0.003 Differential (Down-Up) -0.003 0.009
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10 10:07	Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.024 0.027 0.022 0.022 0.025 0.021 0.024 Average 0.038 0.035 0.034 0.043 0.043 0.047 0.048 0.046	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.002 0.024 0.024 0.024 0.024 0.024 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.186 0.638 0.186 0.638 0.560 1.000	0.008 0.004 0.003 0.003 0.003 0.003 0.003 Differential (Down-Up) -0.003 0.009 0.009 0.009
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10 10:07	Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.024 0.027 0.022 0.025 0.021 0.024 Xverage 0.038 0.035 0.035 0.035 0.034 0.043 0.048 0.043	0.018 0.016 0.015 0.014 0.013 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.002 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.022 0.022	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.638 0.186 0.638 0.186 0.638 0.560 1.000 0.560 1.930 1.360	0.008 0.004 0.003 0.003 0.003 0.003 0.003 0.003 Differential (Down-Up) -0.003 0.009 -0.004
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10 10:07 11:00 12:15	Downwind Upwind Upwind Upwind Downwind Upwind Downwind Upwind	0.045 0.030 0.038 0.030 0.034 0.027 0.027 0.024 0.027 0.022 0.025 0.021 0.024 Average 0.038 0.035 0.034 0.035 0.034 0.043 0.041	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 November 3, 2011 Minimum 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.186 0.638 0.186 0.638 0.560 1.000 0.560 1.930	0.008 0.004 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.009 0.009 0.009 0.009 0.009 0.004 0.002
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10 10:07 11:00	Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.024 0.027 0.022 0.025 0.021 0.024 Xverage 0.038 0.035 0.035 0.035 0.034 0.043 0.048 0.043	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.002 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.638 0.638 0.638 0.638 0.560 1.000 0.560 1.930 1.360 1.930 2.020	0.008 0.004 0.003 0.003 0.003 0.003 0.003 Differential (Down-Up) -0.003 0.009 0.009 0.009
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10 10:07 11:00 12:15 13:03	Downwind Upwind Upwind Upwind	0.045 0.030 0.038 0.030 0.034 0.027 0.022 0.022 0.022 0.022 0.022 0.021 0.022 0.021 0.024 0.021 0.024 0.038 0.038 0.038 0.035 0.034 0.043 0.051 0.044 0.043 0.041 0.041	0.018 0.016 0.015 0.014 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 0.006 November 3, 2011 Minimum 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.186 0.638 0.186 0.638 0.560 1.000 0.560 1.930	0.008 0.004 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.009 0.009 0.009 0.009 0.009 0.009 0.004 0.004 0.002 0.002 0.002 0.003
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10 10:07 11:00 12:15	Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.022 0.022 0.022 0.022 0.021 0.024 Average 0.038 0.034 0.034 0.035 0.034 0.043 0.047 0.044 0.046 0.041 0.041 0.038	0.018 0.016 0.015 0.014 0.006 0.002 0.024	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.638 0.186 0.638 0.186 0.638 0.560 1.000 0.560 1.930 1.360 1.930	0.008 0.004 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.009 0.009 0.009 0.009 0.009 0.004 0.002
11:13 12:10 13:12 14:10 14:55 Time 8:03 9:10 10:07 11:00 12:15 13:03	Downwind Upwind Downwind	0.045 0.030 0.038 0.030 0.034 0.027 0.027 0.022 0.024 0.027 0.022 0.025 0.021 0.024 Average 0.038 0.035 0.034 0.035 0.034 0.043 0.043 0.043 0.043 0.041 0.041 0.038 0.038	0.018 0.016 0.015 0.014 0.006 0.0024 0.014 0.015 0.014	0.665 0.216 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.665 0.362 0.752 Maximum 0.186 0.638 0.638 0.186 0.638 0.186 0.638 0.186 0.638 0.560 1.000 0.560 1.930 1.360 1.930 2.020	0.008 0.004 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.004 0.004 0.004 0.004 0.003

		1	November 4, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:04	Upwind	0.001	0.000	0.051	0.035
8.04	Downwind	0.036	0.002	2.520	0.055
9:00	Upwind	0.001	0.000	0.051	0.030
9:00	Downwind	0.031	0.001	2.520	0.050
10:00	Upwind	0.001	0.000	0.277	0.025
10.00	Downwind	0.026	0.001	3.140	0.025
10:58	Upwind	0.000	0.000	0.277	0.023
10.38	Downwind	0.023	0.001	3.140	0.023
12:10	Upwind	0.001	0.000	0.277	0.019
12:10	Downwind	0.020	0.001	3.140	0.019
13:02	Upwind	0.001	0.000	0.277	0.019
15:02	Downwind	0.020	0.001	3.140	0.019
14:00	Upwind	0.001	0.000	0.277	0.021
14:00	Downwind	0.022	0.001	3.140	0.021
	Upwind	0.001	0.000	0.277	0.004
14:50	Downwind	0.022	0.010	3.140	0.021
			November 7, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
7:15	Upwind	0.014	0.008	0.055	0.001
7:15	Downwind	0.015	0.008	0.472	0.001
8:15	Upwind	0.015	0.008	0.103	0.001
8:15	Downwind	0.016	0.008	0.472	0.001
0.45	Upwind	0.020	0.008	0.667	0.005
9:15	Downwind	0.015	0.007	0.472	-0.005
	Upwind	0.021	0.007	0.667	
10:10	Downwind	0.015	0.007	0.472	-0.006
	Upwind	0.021	0.007	0.677	0.000
11:10	Downwind	0.015	0.007	0.472	-0.006
	Upwind	0.020	0.006	0.677	
12:10	Downwind	0.015	0.007	0.472	-0.005
	Upwind	0.019	0.006	0.677	
13:10	Downwind	0.014	0.007	0.472	-0.005
	Upwind	0.020	0.060	0.921	
14:10	Downwind	0.015	0.060	0.472	-0.005
	Upwind	0.020	0.060	0.921	
14:50	Downwind	0.015	0.060	0.472	-0.005
	Dominia		November 8, 2011	0.172	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Upwind	0.033	0.019	0.078	
8:00	Downwind	0.022	0.011	0.296	-0.011
	Upwind	0.035	0.019	0.123	
9:05	Downwind	0.023	0.011	0.296	-0.012
	Upwind	0.034	0.019	0.123	
10:02	Downwind	0.023	0.015	0.431	-0.011
	Upwind	0.033	0.019	0.123	
11:05	Downwind	0.023	0.015	0.431	-0.010
	Upwind	0.033	0.011	0.123	
12:14	Downwind	0.022	0.013	0.431	-0.011
	Upwind	0.022	0.011	0.123	
13:10	Downwind	0.031	0.019	0.123	-0.008
		0.023	0.011	0.431	
14:10	Upwind				-0.007
	Downwind	0.023	0.011	0.431	
14:50	Upwind	0.030	0.019	0.123	-0.007
	Downwind	0.023	0.011	0.431	

			November 9, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.047	0.036	0.074	-0.007
8.00	Downwind	0.040	0.025	0.407	-0.007
9:20	Upwind	0.050	0.036	0.081	-0.007
9.20	Downwind	0.043	0.023	0.407	-0.007
10:10	Upwind	0.048	0.029	0.116	-0.007
10.10	Downwind	0.041	0.018	0.407	-0.007
11:05	Upwind	0.044	0.023	0.116	-0.004
11.05	Downwind	0.040	0.018	0.407	-0.004
12:15	Upwind	0.048	0.023	0.974	-0.010
12.15	Downwind	0.038	0.018	0.407	-0.010
13:20	Upwind	0.049	0.019	0.954	-0.018
15.20	Downwind	0.031	0.011	0.468	-0.018
14:10	Upwind	0.048	0.018	0.954	-0.020
14.10	Downwind	0.028	0.011	0.468	-0.020
14:50	Upwind	0.048	0.018	0.954	-0.019
14.30	Downwind	0.029	0.011	0.468	-0.019
			November 10, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:10	Upwind	0.071	0.048	0.096	-0.012
8.10	Downwind	0.059	0.030	0.324	-0.012
9:05	Upwind	0.068	0.048	0.096	-0.010
5.05	Downwind	0.058	0.030	0.324	-0.010
10:10	Upwind	0.071	0.048	0.104	-0.010
10.10	Downwind	0.061	0.026	0.324	-0.010
11:10	Upwind	0.064	0.044	0.104	-0.014
11.10	Downwind	0.050	0.018	0.324	0.014
12:15	Upwind	0.059	0.024	0.104	-0.015
12.15	Downwind	0.044	0.009	0.324	0.015
13:00	Upwind	0.052	0.016	0.110	-0.012
15.00	Downwind	0.040	0.007	0.324	0.012
14:50	Upwind	0.041	0.006	0.110	-0.009
14.50	Downwind	0.032	0.001	0.474	-0.009
			November 11, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:10	Upwind	0.046	0.000	0.066	-0.020
0.10	Downwind	0.026	0.003	0.714	0.020
9:15	Upwind	0.054	0.000	0.068	-0.030
5115	Downwind	0.024	0.002	0.714	0.050
10:20	Upwind	0.058	0.000	0.084	-0.036
10.20	Downwind	0.022	0.002	0.714	0.030
11:15	Upwind	0.059	0.000	0.084	-0.038
11.13	Downwind	0.021	0.002	0.714	-0.030
12:20	Upwind	0.061	0.000	0.084	-0.041
12.20	Downwind	0.020	0.002	0.714	-0.041
12.10	Upwind	0.062	0.000	0.200	-0.042
13:10	Downwind	0.020	0.002	0.714	-0.042
14:45	Upwind	0.065	0.000	0.200	-0.046

			November 14, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Upwind	0.038	0.012	0.201	0.033
8:10	Downwind	0.071	0.009	8.84	0.033
9:04	Upwind	0.016	0.012	0.201	0.040
9:04	Downwind	0.056	0.009	8.84	0.040
10.09	Upwind	0.015	0.012	0.201	0.022
10:08	Downwind	0.047	0.009	8.84	0.032
	Upwind	0.020	0.012	1.46	0.000
11:04	Downwind	0.043	0.009	8.84	0.023
42.00	Upwind	0.019	0.012	1.46	0.024
12:00	Downwind	0.040	0.009	8.84	0.021
40.04	Upwind	0.018	0.011	1.46	0.010
13:01	Downwind	0.037	0.008	8.84	0.019
	Upwind	0.017	0.011	1.46	
14:50	Downwind	0.034	0.008	8.84	0.017
	1		November 15, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Upwind	0.022	0.018	0.110	
8:00	Downwind	0.030	0.016	0.247	0.008
	Upwind	0.022	0.018	0.110	
9:10	Downwind	0.030	0.016	0.247	0.008
	Upwind	0.020	0.018	0.110	
10:05	Downwind	0.025	0.013	0.701	0.005
	Upwind	0.025	0.012	0.110	
11:00		0.018			0.005
	Downwind		0.005	0.701	
12:30	Upwind	0.016	0.007	0.204	0.007
	Downwind	0.023	0.005	1.05	
13:40	Upwind	0.015	0.007	0.204	0.010
	Downwind	0.025	0.005	1.05	
14:50	Upwind	0.014	0.007	0.204	0.014
	Downwind	0.028	0.005	1.05	
			November 16, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
7:50	Upwind	0.021	0.011	0.063	-0.002
7.50	Downwind	0.019	0.007	0.248	01002
8:55	Upwind	0.018	0.010	0.063	0.007
8.55	Downwind	0.025	0.007	0.729	0.007
10:15			0.010	0.063	
	Upwind	0.018	0.010	0.005	0.007
10.10	Upwind Downwind	0.018	0.010	0.729	0.007
11:01	Downwind	0.025	0.007	0.729	0.007
11:01	Downwind Upwind	0.025 0.018	0.007 0.010 0.007	0.729 0.063 0.729	0.007
	Downwind Upwind Downwind Upwind	0.025 0.018 0.025 0.017	0.007 0.010 0.007 0.010	0.729 0.063 0.729 0.063	
11:01 12:00	Downwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024	0.007 0.010 0.007 0.010 0.007	0.729 0.063 0.729 0.063 0.729	0.007
11:01	Downwind Upwind Downwind Upwind Downwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017	0.007 0.010 0.007 0.010 0.007 0.007	0.729 0.063 0.729 0.063 0.729 0.729 0.063	0.007
11:01 12:00 13:05	Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024	0.007 0.010 0.007 0.010 0.007 0.010 0.007	0.729 0.063 0.729 0.063 0.729 0.063 0.729	0.007
11:01 12:00	Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115	0.007
11:01 12:00 13:05 14:00	Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729	0.007 0.007 0.007 0.008
11:01 12:00 13:05	Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115	0.007
11:01 12:00 13:05 14:00	Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.026	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.007 0.007	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729	0.007 0.007 0.007 0.008
11:01 12:00 13:05 14:00 14:50	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.026	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.007 0.007 0.010 November 17, 2011	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.105 0.729 0.115 0.729	0.007 0.007 0.007 0.008 0.008
11:01 12:00 13:05 14:00	Downwind Upwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.010 Vovember 17, 2011 Minimum	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729	0.007 0.007 0.007 0.008
11:01 12:00 13:05 14:00 14:50	Downwind Upwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.010 November 17, 2011 Minimum 0.013	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729	0.007 0.007 0.007 0.008 0.008
11:01 12:00 13:05 14:00 14:50 Time	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026 Average 0.017 0.019	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.007 0.000 November 17, 2011 Minimum 0.013 0.010	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115	0.007 0.007 0.007 0.008 0.008 Differential (Down-Up) 0.002
11:01 12:00 13:05 14:00 14:50 Time	Downwind Upwind Upwind Upwind Upwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026 Average 0.017 0.019 0.015	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.007 0.010 November 17, 2011 Minimum 0.013 0.010 0.008	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729	0.007 0.007 0.007 0.008 0.008 Uifferential (Down-Up)
11:01 12:00 13:05 14:00 14:50 Time 7:50	Downwind Upwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.026 Average 0.017 0.019 0.015 0.017	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.010 November 17, 2011 Minimum 0.013 0.010 0.008	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 Maximum 0.049 0.105 0.049 0.311	0.007 0.007 0.007 0.008 0.008 Differential (Down-Up) 0.002
11:01 12:00 13:05 14:00 14:50 Time 7:50	Downwind Upwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026 Average 0.017 0.019 0.015 0.017	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.010 November 17, 2011 November 17, 2011 0.010 November 10, 2001 0.013 0.013 0.008 0.008	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.729 0.729 0.729 0.729 0.729 0.729 0.729 0.729 0.729 0.729 0.729 0.729	0.007 0.007 0.007 0.008 0.008 Differential (Down-Up) 0.002
11:01 12:00 13:05 14:00 14:50 Time 7:50 8:58	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026 Average 0.017 0.019 0.015 0.017	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.007 0.007 0.007 0.010 Vovember 17, 2011 Minimum 0.013 0.010 0.008 0.008 0.006	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.105 0.049 0.049 0.311 0.049 0.319	 0.007 0.007 0.007 0.008 0.008 Differential (Down-Up) 0.002 0.002
11:01 12:00 13:05 14:00 14:50 Time 7:50 8:58 10:10	Downwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.026 Average 0.017 0.019 0.015 0.017 0.012 0.015 0.011	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.010 November 17, 2011 Minimum 0.013 0.010 0.008 0.008 0.008 0.005 0.004	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.749 0.311 0.049 0.311 0.049 0.319 0.049	0.007 0.007 0.007 0.008 0.008 0.008 Uifferential (Down-Up) 0.002 0.002 0.003
11:01 12:00 13:05 14:00 14:50 Time 7:50 8:58	Downwind Upwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.026 Average 0.017 0.019 0.015 0.017 0.015 0.017 0.012	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.010 Vovember 17, 2011 Minimum 0.013 0.010 0.008 0.008 0.008 0.008 0.005 0.004 0.003	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 Maximum 0.049 0.105 0.049 0.311 0.049 0.319 0.049	0.007 0.007 0.007 0.008 0.008 Uifferential (Down-Up) 0.002 0.002
11:01 12:00 13:05 14:00 14:50 7:50 8:58 10:10 11:30	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026 0.017 0.019 0.017 0.015 0.017 0.012 0.015 0.011 0.013 0.009	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 November 17, 2011 Winimum 0.013 0.010 0.008 0.008 0.008 0.006 0.005 0.004 0.003	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.105 0.049 0.311 0.049 0.319 0.049	 0.007 0.007 0.007 0.008 0.008 0.008 0.008 0.002 0.002 0.003 0.002
11:01 12:00 13:05 14:00 14:50 Time 7:50 8:58 10:10	Downwind Upwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.026 Average 0.017 0.019 0.015 0.017 0.015 0.017 0.012	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.010 Vovember 17, 2011 Minimum 0.013 0.010 0.008 0.008 0.008 0.008 0.005 0.004 0.003	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 Maximum 0.049 0.105 0.049 0.311 0.049 0.319 0.049	0.007 0.007 0.007 0.008 0.008 0.008 Uifferential (Down-Up) 0.002 0.002 0.003
11:01 12:00 13:05 14:00 14:50 Time 7:50 8:58 10:10 11:30 13:00	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026 0.017 0.019 0.017 0.015 0.017 0.012 0.015 0.011 0.013 0.009	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 November 17, 2011 Winimum 0.013 0.010 0.008 0.008 0.008 0.006 0.005 0.004 0.003	0.729 0.063 0.729 0.063 0.729 0.063 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.115 0.729 0.105 0.049 0.311 0.049 0.319 0.049	0.007 0.007 0.007 0.008 0.008 0.008 Differential (Down-Up) 0.002 0.002 0.003 0.002
11:01 12:00 13:05 14:00 14:50 7:50 8:58 10:10 11:30	Downwind Upwind Upwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026 0.017 0.019 0.017 0.019 0.017 0.019 0.017 0.012 0.015 0.011 0.013 0.009 0.012	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.007 0.007 0.007 0.007 0.007 0.010 November 17, 2011 Minimum 0.013 0.013 0.010 0.008 0.008 0.006 0.005 0.004 0.003 0.003 0.002	0.729 0.063 0.729 0.063 0.729 0.115 0.749 0.115 0.749 0.115 0.049	 0.007 0.007 0.007 0.008 0.008 0.008 0.008 0.002 0.002 0.003 0.002
11:01 12:00 13:05 14:00 14:50 Time 7:50 8:58 10:10 11:30 13:00	Downwind Upwind Downwind	0.025 0.018 0.025 0.017 0.024 0.017 0.024 0.017 0.025 0.018 0.025 0.018 0.026 0.017 0.019 0.015 0.017 0.019 0.015 0.017 0.012 0.015 0.011 0.013 0.009 0.012 0.008	0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 0.007 0.010 November 17, 2011 Minimum 0.013 0.010 0.008 0.008 0.008 0.008 0.006 0.005 0.004 0.003	0.729 0.063 0.729 0.063 0.729 0.115 0.749 0.115 0.749 0.115 0.749 0.115 0.749 0.049 0.049 0.311 0.049 0.319 0.049 0.319 0.049 0.577	0.007 0.007 0.007 0.008 0.008 0.008 Differential (Down-Up) 0.002 0.002 0.003 0.002

			November 18, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.010	0.007	0.029	0.000
8.00	Downwind	0.010	0.006	0.161	0.000
8:50	Upwind	0.008	0.005	0.029	0.001
	Downwind	0.009	0.004	0.207	
10:38	Upwind	0.007	0.003	0.029	0.001
	Downwind	0.008	0.001	2.24	
11:45	Upwind	0.006	0.003	0.029	0.001
	Downwind	0.007	0.001 0.002	2.24 0.029	
12:45	Upwind Downwind	0.008	0.002	2.24	0.001
	Upwind	0.006	0.001	0.029	
13:45	Downwind	0.008	0.001	3.52	0.002
	Upwind	0.005	0.003	0.029	
14:45	Downwind	0.009	0.001	3.84	0.004
	1		November 21, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
0.00	Upwind	0.006	0.005	0.012	
8:00	Downwind	0.012	0.004	0.748	0.006
0.10	Upwind	0.007	0.005	0.015	0.004
9:10	Downwind	0.011	0.004	0.748	0.004
10:04	Upwind	0.007	0.005	0.015	0.005
10.04	Downwind	0.012	0.004	0.75	0.005
11:15	Upwind	0.007	0.005	0.017	0.004
11.15	Downwind	0.011	0.004	0.75	0.004
12:15	Upwind	0.007	0.005	0.017	0.004
12.15	Downwind	0.011	0.004	0.75	0.004
13:30	Upwind	0.007	0.005	0.107	0.005
15.50	Downwind	0.012	0.004	0.75	0.005
14:50	Upwind	0.009	0.005	0.282	0.003
14.50	Downwind	0.012	0.004	0.75	0.005
			November 22, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:10	Upwind	0.041	0.022	0.200	-0.016
0.10	Downwind	0.025	0.017	0.142	0.010
9:15	Upwind	0.038	0.022	0.200	-0.010
5.15	Downwind	0.028	0.017	0.477	0.010
10:45	Upwind	0.034	0.022	0.200	-0.007
	Downwind	0.027	0.005	0.48	
13:10	Upwind	0.023	0.007	0.200	0.000
	Downwind	0.023	0.005	1.19	
14:40	Upwind	0.023	0.007	0.200	-0.001
	Downwind	0.022	0.005	1.19	
			November 23, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30	Upwind	0.001	0.000	0.006	0.001
	Downwind	0.002	0.000	0.110	
10:00	Upwind	0.001	0.000	0.006	0.001
	Downwind	0.002	0.000	0.110	
11:30	Upwind	0.001	0.000	0.006	0.000
	Downwind	0.001	0.000	0.160	
			November 28, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:10	Upwind	0.008	0.006	0.014	0.004
	Downwind	0.012	0.003	0.098	
9:05	Upwind	0.008	0.006	0.014	0.003
	Downwind	0.011	0.003	0.098	
10:00	Upwind	0.008	0.006	0.017	0.003
	Downwind	0.011	0.003	0.098	+
11:00	Upwind	0.008	0.006	0.017	0.004
	Downwind	0.012	0.003	0.362	
12:10	Upwind	0.007	0.006	0.017	0.004
	Downwind	0.011	0.003	0.362	
13:05	Upwind	0.007	0.004	0.053	0.006
	Downwind	0.013	0.002	1.09	
14:00	Upwind	0.007	0.004	0.053	0.006
- 1100	Downwind	0.013	0.002	1.09	5.000
	Upwind	0.007	0.004	0.230	0.007
14:45	Downwind	0.014	0.002	1.09	

		Ν	lovember 29, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:10	Upwind	0.020	0.009	0.083	-0.008
8:10	Downwind	0.012	0.006	0.168	-0.008
9:50	Upwind	0.018	0.009	0.083	-0.002
9.50	Downwind	0.016	0.006	0.168	-0.002
10:50	Upwind	0.016	0.007	0.083	0.000
10.50	Downwind	0.016	0.005	0.428	0.000
12:15	Upwind	0.015	0.007	0.083	0.000
12.15	Downwind	0.015	0.004	0.428	0.000
13:05	Upwind	0.014	0.007	0.083	0.001
13:05	Downwind	0.015	0.004	0.43	0.001
14:10	Upwind	0.013	0.004	0.083	0.003
14:10	Downwind	0.016	0.001	1.15	0.005
14:50	Upwind	0.012	0.004	0.083	0.004
14.30	Downwind	0.016	0.001	1.15	0.004
		N	lovember 30, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.009	0.006	0.014	0.015
8.00	Downwind	0.024	0.004	2.70	0.013
0.05	Upwind	0.009	0.006	0.020	0.000
9:05	Downwind	0.018	0.004	2.70	0.009
10:05	Upwind	0.009	0.006	0.031	0.000
10:05	Downwind	0.018	0.004	2.70	0.009
	Upwind	0.009	0.006	0.036	
11:00	Downwind	0.017	0.004	2.70	0.008
	Upwind	0.009	0.006	0.036	
12:15	Downwind	0.016	0.004	2.70	0.007
	Upwind	0.008	0.005	0.036	
13:05	Downwind	0.015	0.003	2.70	0.007
	Upwind	0.008	0.005	0.036	
14:00	Downwind	0.014	0.003	2.70	0.006
	Upwind	0.008	0.005	0.036	
14:50	Downwind	0.014	0.003	2.70	0.006
	Downwind		December 1, 2011	2.70	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
Time	Upwind	0.002	0.001	0.010	Differential (Down-Op)
7:55					0.008
	Downwind	0.010	0.000	0.360	
8:55	Upwind	0.001	0.001	0.010	0.007
	Downwind	0.008	0.000	0.360	
10:05	Upwind	0.001	0.001	0.010	0.006
	Downwind	0.007	0.000	0.360	
11:15	Upwind	0.002	0.001	0.038	0.005
11:15	Upwind Downwind	0.002	0.001 0.000	0.038 2.54	
11:15	Upwind Downwind Upwind	0.002 0.007 0.002	0.001 0.000 0.001	0.038 2.54 0.038	
	Upwind Downwind Upwind Downwind	0.002 0.007 0.002 0.007	0.001 0.000 0.001 0.000	0.038 2.54 0.038 2.54	0.005
12:15	Upwind Downwind Upwind Downwind Upwind	0.002 0.007 0.002 0.007 0.002	0.001 0.000 0.001 0.000 0.000	0.038 2.54 0.038 2.54 0.038	0.005
	Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.007 0.002 0.007 0.002 0.002 0.006	0.001 0.000 0.001 0.000 0.001 0.001	0.038 2.54 0.038 2.54 0.038 2.54	0.005
12:15	Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006	0.001 0.000 0.001 0.000 0.001 0.000 0.001	0.038 2.54 0.038 2.54 0.038 2.54 4.10	0.005
12:15 13:05	Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006	0.001 0.000 0.001 0.000 0.001 0.001	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54	0.005
12:15 13:05 14:00	Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10	0.005 0.005 0.004 0.000
12:15 13:05	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54	0.005
12:15 13:05 14:00 14:50	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 4.10	0.005 0.005 0.004 0.000 0.000
12:15 13:05 14:00	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007 0.007	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 4.10 2.54 Maximum	0.005 0.005 0.004 0.000 0.000
12:15 13:05 14:00 14:50 Time	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 4.10	0.005 0.005 0.004 0.000 0.000 Differential (Down-Up)
12:15 13:05 14:00 14:50	Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind	0.002 0.007 0.002 0.007 0.006 0.006 0.006 0.006 0.007 0.007 Average 0.038 0.039	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum 0.016 0.001	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565	0.005 0.005 0.004 0.000 0.000
12:15 13:05 14:00 14:50 Time 8:00	Upwind Downwind Downwind Downwind Upwind Upwind Upwind Downwind Downwind Downwind Upwind Upwind Upwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006 0.007 0.007 Verage 0.038 0.039 0.037	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.000 December 2, 2011 Minimum 0.016	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287	0.005 0.005 0.004 0.000 0.000 Differential (Down-Up) 0.001
12:15 13:05 14:00 14:50 Time	Upwind Downwind Downwind Downwind Downwind Upwind Upwind Downwind Downwind Dust Tract Upwind Downwind Downwind	0.002 0.007 0.002 0.007 0.006 0.006 0.006 0.006 0.007 0.007 Average 0.038 0.039	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum 0.016 0.001	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565	0.005 0.005 0.004 0.000 0.000 Differential (Down-Up)
12:15 13:05 14:00 14:50 Time 8:00 8:55	Upwind Downwind Downwind Downwind Upwind Upwind Upwind Downwind Downwind Downwind Upwind Upwind Upwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006 0.007 0.007 Verage 0.038 0.039 0.037	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum 0.016 0.011 0.016	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287	0.005 0.005 0.004 0.000 0.000 Differential (Down-Up) 0.001 0.001
12:15 13:05 14:00 14:50 Time 8:00	Upwind Downwind Downwind Downwind Downwind Upwind Upwind Downwind Downwind Dust Tract Upwind Downwind Downwind	0.002 0.007 0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007 0.007 0.007 0.038	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.000 December 2, 2011 Minimum 0.016 0.011 0.016 0.011	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287 0.565	0.005 0.005 0.004 0.000 0.000 Differential (Down-Up) 0.001
12:15 13:05 14:00 14:50 Time 8:00 8:55 9:55	Upwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Upwind	0.002 0.007 0.002 0.007 0.006 0.006 0.006 0.007 0.007 0.007 0.007 0.007 0.007 0.038 0.038 0.037 0.038 0.036	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.000 December 2, 2011 Minimum 0.016 0.011 0.016	0.038 2.54 0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287 0.565 0.287	0.005 0.005 0.004 0.000 0.000 Differential (Down-Up) 0.001 0.001
12:15 13:05 14:00 14:50 Time 8:00 8:55	Upwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007 Average 0.038 0.039 0.037	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum 0.016 0.011 0.016 0.011 0.016 0.011	0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287 0.565	0.005 0.005 0.004 0.000 0.000 Differential (Down-Up) 0.001 0.001
12:15 13:05 14:00 14:50 Time 8:00 8:55 9:55 10:50	Upwind Downwind Downwind Downwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind	0.002 0.007 0.002 0.007 0.006 0.006 0.006 0.006 0.007 0.007 Average 0.038 0.039 0.037 0.038 0.037 0.036 0.037	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum 0.016 0.011 0.011 0.016 0.011 0.011 0.016	0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287 0.565 0.287 0.565 0.287	0.005 0.005 0.004 0.000 0.000 0.000 0.001 0.001 0.001 0.001
12:15 13:05 14:00 14:50 Time 8:00 8:55 9:55	Upwind Downwind Upwind	0.002 0.007 0.002 0.007 0.006 0.006 0.006 0.007 0.007 0.007 0.007 0.007 0.038 0.039 0.038 0.037 0.038 0.036 0.037 0.038 0.036 0.037	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.000 0.000 0.000 0.000 0.001 0.016 0.011 0.016 0.011 0.016 0.011 0.016 0.011 0.008 0.008	0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.386 0.287	0.005 0.005 0.004 0.000 0.000 Differential (Down-Up) 0.001 0.001
12:15 13:05 14:00 14:50 Time 8:00 8:55 9:55 9:55 10:50 12:00	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind	0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007 0.007 0.007 0.007 0.038 0.038 0.039 0.038 0.039 0.038 0.036 0.037 0.028	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum 0.016 0.011 0.016 0.011 0.016 0.011 0.016 0.011 0.008 0.008	0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.581 0.287 0.816	0.005 0.005 0.004 0.000 0.000 0.000 0.001 0.001 0.001 0.001 0.001
12:15 13:05 14:00 14:50 Time 8:00 8:55 9:55 10:50	Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007 Average 0.038 0.039 0.037 0.038 0.036 0.037 0.036 0.037 0.022 0.026 0.019 0.023 0.018	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum 0.016 0.011 0.016 0.011 0.016 0.011 0.006 0.008 0.006 0.006 0.005	0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.316 0.287 0.816 0.287	0.005 0.005 0.004 0.000 0.000 0.000 0.001 0.001 0.001 0.001
12:15 13:05 14:00 14:50 Time 8:00 8:55 9:55 9:55 10:50 12:00	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind	0.002 0.007 0.002 0.006 0.006 0.006 0.006 0.007 0.007 0.007 0.007 0.007 0.038 0.038 0.039 0.038 0.039 0.038 0.036 0.037 0.026 0.019 0.023	0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 December 2, 2011 Minimum 0.016 0.011 0.016 0.011 0.016 0.011 0.016 0.001 0.008 0.008	0.038 2.54 0.038 2.54 4.10 2.54 4.10 2.54 Maximum 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.565 0.287 0.581 0.287 0.816	0.005 0.005 0.004 0.000 0.000 0.000 0.001 0.001 0.001 0.001 0.001 0.004

			December 5, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.036	0.016	0.156	-0.011
	Downwind	0.025	0.012	0.973	
8:55	Upwind	0.040	0.016	0.156	0.003
	Downwind	0.043	0.012	0.973	
10:05	Upwind Downwind	0.049 0.038	0.016	0.694 0.973	-0.011
	Upwind	0.038	0.012 0.016	0.694	
11:10	Downwind	0.033	0.010	0.973	-0.005
	Upwind	0.031	0.012	0.694	
13:30	Downwind	0.032	0.010	1.81	0.001
14:45	Upwind	0.029	0.012	0.694	0.005
14:45	Downwind	0.034	0.009	1.81	0.005
			December 6, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.030	0.006	0.298	-0.021
	Downwind	0.009	0.004	0.084	
8:55	Upwind	0.020	0.006	1.07	-0.011
	Downwind	0.009	0.004	0.106	
10:00	Upwind	0.018	0.006	1.07	-0.009
	Downwind	0.009	0.003	0.209	
11:05	Upwind Downwind	0.016	0.006	1.07	-0.007
	Upwind	0.009	0.003 0.006	0.310	
12:00	Downwind	0.009	0.008	0.310	-0.006
	Upwind	0.012	0.003	1.07	
12:55	Downwind	0.009	0.001	3.32	-0.003
	Upwind	0.010	0.001	1.07	
14:00	Downwind	0.009	0.001	3.32	-0.001
	Upwind	0.011	0.003	1.07	
14:45	Downwind	0.009	0.001	3.32	-0.002
			December 7, 2011		•
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
7:55	Upwind	0.008	0.005	0.021	0.008
7.55	Downwind	0.016	0.002	0.315	0.000
9:00	Upwind	0.009	0.005	0.027	0.007
	Downwind	0.016	0.002	0.315	
10:00	Upwind	0.010	0.005	0.131	0.008
	Downwind	0.018	0.002	0.642	
11:05	Upwind	0.009	0.003	0.131	0.009
	Downwind	0.018	0.002	0.642	
12:15	Upwind Downwind	0.009	0.003		
			0.002	0.131	0.009
		0.018	0.002	0.642	0.009
13:30	Upwind	0.007	0.001	0.642 0.131	0.009
	Upwind Downwind	0.007 0.018	0.001 0.000	0.642 0.131 1.22	0.011
13:30 14:45	Upwind Downwind Upwind	0.007 0.018 0.006	0.001 0.000 0.001	0.642 0.131 1.22 0.131	
	Upwind Downwind	0.007 0.018 0.006 0.018	0.001 0.000	0.642 0.131 1.22	0.011
	Upwind Downwind Upwind	0.007 0.018 0.006 0.018	0.001 0.000 0.001 0.000	0.642 0.131 1.22 0.131	0.011
14:45 Time	Upwind Downwind Upwind Downwind	0.007 0.018 0.006 0.018	0.001 0.000 0.001 0.000 December 8, 2011	0.642 0.131 1.22 0.131 1.22	0.011 0.012 Differential (Down-Up)
14:45	Upwind Downwind Upwind Downwind Dust Tract	0.007 0.018 0.006 0.018 Average	0.001 0.000 0.001 0.000 December 8, 2011 Minimum	0.642 0.131 1.22 0.131 1.22 Maximum	0.011
14:45 Time 7:15	Upwind Downwind Upwind Downwind Upwind Upwind	0.007 0.018 0.006 0.018 Average 0.003	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002	0.642 0.131 1.22 0.131 1.22 Maximum 0.010	0.011 0.012 Differential (Down-Up) 0.026
14:45 Time	Upwind Downwind Upwind Downwind Dust Tract Upwind Downwind	0.007 0.018 0.006 0.018 Average 0.003 0.029	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09	0.011 0.012 Differential (Down-Up)
14:45 Time 7:15 8:15	Upwind Downwind Upwind Downwind Dust Tract Upwind Downwind Upwind Upwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010	0.011 0.012 Differential (Down-Up) 0.026 0.027
14:45 Time 7:15	Upwind Downwind Downwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002 0.001	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99	0.011 0.012 Differential (Down-Up) 0.026
14:45 Time 7:15 8:15 9:15	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.001 0.002 0.001 0.001 0.002	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99 0.088	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000
14:45 Time 7:15 8:15	Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99 0.088 2.99	0.011 0.012 Differential (Down-Up) 0.026 0.027
14:45 Time 7:15 8:15 9:15	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.004 0.030 0.005	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99 0.088 2.99 0.104	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000
14:45 Time 7:15 8:15 9:15 10:15	Upwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.005 0.005	0.001 0.000 0.001 0.000 December 8, 2011 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99 0.088 2.99 0.104 2.99	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000 0.026
14:45 Time 7:15 8:15 9:15 10:15	Upwind Downwind Upwind Downwind Upwind Dust Tract Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.004 0.030 0.005	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99 0.088 2.99 0.104	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000 0.026
14:45 Time 7:15 8:15 9:15 10:15 11:15	Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030 0.030 0.004 0.030 0.005 0.025 0.025 0.023	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99 0.088 2.99 0.104 2.99 0.104 2.99	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000 0.026 0.026
14:45 Time 7:15 8:15 9:15 10:15 11:15	Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030 0.030 0.004 0.030 0.005 0.025 0.005	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.004 2.99 0.088 2.99 0.088 2.99 0.104 2.99 0.104	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000 0.026 0.026
14:45 Time 7:15 8:15 9:15 10:15 11:15 12:15	Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.004 0.030 0.005 0.025 0.025 0.023 0.005 0.021	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99 0.044 2.99 0.088 2.99 0.104 2.99 0.104 2.99 0.101 2.99	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000 0.026 0.021 0.018
14:45 Time 7:15 8:15 9:15 10:15 11:15 12:15	Upwind Downwind Upwind Downwind Upwind Dust Tract Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.004 0.030 0.005 0.025 0.023 0.005	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	0.642 0.131 1.22 Maximum 0.010 1.09 0.010 1.09 0.010 2.99 0.044 2.99 0.044 2.99 0.104 2.99 0.104 2.99 0.104 2.99 0.101 2.99 0.101	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000 0.026 0.021 0.018
14:45 Time 7:15 8:15 9:15 10:15 11:15 12:15 13:15	Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.007 0.018 0.006 0.018 Average 0.003 0.029 0.003 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.004 0.030 0.005 0.025 0.025 0.023 0.005 0.021	0.001 0.000 0.001 0.000 December 8, 2011 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	0.642 0.131 1.22 0.131 1.22 Maximum 0.010 1.09 0.010 2.99 0.044 2.99 0.044 2.99 0.088 2.99 0.104 2.99 0.104 2.99 0.101 2.99	0.011 0.012 Differential (Down-Up) 0.026 0.027 0.000 0.026 0.021 0.021 0.018

			December 9, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.026	0.016	0.091	-0.001
8.00	Downwind	0.025	0.014	0.359	-0.001
9:00	Upwind	0.026	0.016	0.091	0.002
9.00	Downwind	0.028	0.014	0.402	0.002
10.00	Upwind	0.027	0.016	0.179	0.003
10:00	Downwind	0.030	0.014	0.722	0.003
44.05	Upwind	0.026	0.016	0.179	0.005
11:05	Downwind	0.032	0.014	0.722	0.006
	Upwind	0.025	0.016	0.179	
12:30	Downwind	0.034	0.014	0.841	0.009
	Upwind	0.024	0.016	0.179	
15:50	Downwind	0.035	0.010	0.841	0.011
	Upwind	0.024	0.014	0.179	
14:40	Downwind	0.037	0.013	8.25	0.013
	Downwind		December 12, 2011	0.25	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Upwind	0.034	0.022	0.555	
8:03	Downwind	0.029	0.019	0.983	-0.005
					-
9:10	Upwind	0.035	0.022	0.555	0.000
	Downwind	0.035	0.019	2.01	
10:00	Upwind	0.033	0.022	0.555	0.003
	Downwind	0.036	0.019	2.01	
11:00	Upwind	0.033	0.022	0.555	0.004
	Downwind	0.037	0.014	2.01	
12:50	Upwind	0.031	0.022	0.555	0.005
	Downwind	0.036	0.014	2.01	
13:50	Upwind	0.025	0.012	0.555	0.016
10.00	Downwind	0.041	0.010	4.77	0.010
14:50	Upwind	0.024	0.012	0.555	0.015
14.30	Downwind	0.039	0.010	4.77	0.013
			December 13, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
0.20	Upwind	0.063	0.029	0.787	0.013
8:20	Downwind	0.075	0.028	0.270	0.012
0.00	Upwind	0.064	0.029	0.787	0.014
9:30	Downwind	0.078	0.025	0.983	0.014
	Upwind	0.057	0.024	0.787	
10:20	Downwind	0.074	0.020	1.42	0.017
	Upwind	0.052	0.018	1.34	
11:15	Downwind	0.070	0.018	1.42	0.018
	Upwind	0.045	0.013	1.61	
13:10	Downwind	0.063	0.015	4.96	0.018
	Downwind	0.003			
14:00	ام سنبي ا	0.044			
	Upwind	0.041	0.010	1.61	0.024
	Downwind	0.065	0.010 0.010	1.61 4.96	0.024
14:50	Downwind Upwind	0.065 0.043	0.010 0.010 0.008	1.61 4.96 2.74	0.024
14:50	Downwind	0.065 0.043 0.060	0.010 0.010 0.008 0.008	1.61 4.96	
	Downwind Upwind Downwind	0.065 0.043 0.060	0.010 0.010 0.008 0.008 December 14, 2011	1.61 4.96 2.74 4.96	0.017
14:50 Time	Downwind Upwind Downwind Dust Tract	0.065 0.043 0.060 Average	0.010 0.010 0.008 0.008 December 14, 2011 Minimum	1.61 4.96 2.74 4.96 Maximum	
	Downwind Upwind Downwind Upwind Upwind	0.065 0.043 0.060 Average 0.043	0.010 0.010 0.008 0.008 December 14, 2011 Minimum 0.030	1.61 4.96 2.74 4.96 Maximum 0.128	0.017
Time	Downwind Upwind Downwind Upwind Upwind Downwind	0.065 0.043 0.060 Average 0.043 0.039	0.010 0.010 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.030 0.030 0.026	1.61 4.96 2.74 4.96 Maximum 0.128 0.996	0.017 Differential (Down-Up)
Time 8:00	Downwind Upwind Downwind Upust Tract Upwind Downwind Upwind	0.065 0.043 0.060 Average 0.043 0.039 0.042	0.010 0.010 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.026 0.030	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128	0.017 Differential (Down-Up) -0.004
Time	Downwind Upwind Downwind Upwind Upwind Downwind	0.065 0.043 0.060 Average 0.043 0.039	0.010 0.010 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.030 0.030 0.026	1.61 4.96 2.74 4.96 Maximum 0.128 0.996	0.017 Differential (Down-Up)
Time 8:00 9:00	Downwind Upwind Downwind Upust Tract Upwind Downwind Upwind	0.065 0.043 0.060 Average 0.043 0.039 0.042	0.010 0.010 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.026 0.030	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128	0.017 Differential (Down-Up) -0.004 -0.006
Time 8:00	Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036	0.010 0.010 0.008 0.008 December 14, 2011 Minimum 0.030 0.026 0.030 0.025	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996	0.017 Differential (Down-Up) -0.004
Time 8:00 9:00 10:00	Downwind Upwind Downwind Uust Tract Upwind Upwind Downwind Upwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039	0.010 0.010 0.008 0.008 0.008 0.008 0.008 0.008 0.030 0.030 0.026 0.030 0.025 0.027	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996 0.160	0.017 Differential (Down-Up) -0.004 -0.006 -0.004
Time 8:00 9:00	Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039 0.035	0.010 0.010 0.008 0.008 0.008 0.008 0.028 0.030 0.026 0.030 0.025 0.027 0.025	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996 0.160 0.996	0.017 Differential (Down-Up) -0.004 -0.006
Time 8:00 9:00 10:00 11:00	Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039 0.035 0.035 0.038	0.010 0.010 0.008 0.008 0.008 0.008 0.008 0.008 0.008 0.026 0.030 0.026 0.030 0.025 0.027 0.025 0.022	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996 0.128 0.996 0.160 0.996 0.387 0.996	0.017 Differential (Down-Up) -0.004 -0.006 -0.004 -0.005
Time 8:00 9:00 10:00	Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039 0.035 0.038 0.033 0.033	0.010 0.010 0.008 0.008 0.008 0.008 0.030 0.026 0.030 0.025 0.025 0.025 0.025 0.025 0.022 0.018 0.020	1.61 4.96 2.74 4.96 0.128 0.996 0.128 0.996 0.128 0.996 0.160 0.996 0.387	0.017 Differential (Down-Up) -0.004 -0.006 -0.004
Time 8:00 9:00 10:00 11:00 12:05	Downwind Upwind Downwind Upwind Upwind Upwind Upwind Downwind Upwind Upwind Upwind Upwind Downwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039 0.035 0.038 0.038 0.033 0.037 0.030	0.010 0.010 0.008 0.008 0.008 0.026 0.030 0.026 0.030 0.025 0.027 0.025 0.027 0.025 0.027 0.025 0.022 0.018 0.020 0.014	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996 0.128 0.996 0.160 0.996 0.387 0.996 0.387 0.996	0.017 Differential (Down-Up) -0.004 -0.006 -0.004 -0.005 -0.005 -0.007
Time 8:00 9:00 10:00 11:00	Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039 0.035 0.038 0.033 0.033 0.033 0.037 0.030 0.031	0.010 0.010 0.008 0.008 0.008 0.008 0.026 0.030 0.026 0.030 0.025 0.027 0.025 0.027 0.025 0.022 0.018 0.020 0.014 0.014	1.61 4.96 2.74 4.96 0.128 0.996 0.128 0.996 0.128 0.996 0.160 0.996 0.387 0.996 0.387 0.996 0.387	0.017 Differential (Down-Up) -0.004 -0.006 -0.004 -0.005
Time 8:00 9:00 10:00 11:00 12:05 13:00	Downwind Upwind Downwind Downwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.035 0.035 0.035 0.038 0.033 0.037 0.030 0.031 0.029	0.010 0.010 0.008 0.008 December 14, 2011 Minimum 0.030 0.026 0.030 0.025 0.027 0.025 0.022 0.022 0.018 0.020 0.014 0.014 0.012	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996 0.128 0.996 0.160 0.996 0.387 0.996 0.387 0.996 0.336 0.996	0.017 Differential (Down-Up) -0.004 -0.006 -0.004 -0.005 -0.007 -0.007
Time 8:00 9:00 10:00 11:00 12:05	Downwind Upwind Upwind Upwind Upwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039 0.035 0.038 0.033 0.033 0.033 0.037 0.030	0.010 0.010 0.008 0.008 December 14, 2011 Minimum 0.030 0.026 0.030 0.025 0.027 0.025 0.022 0.018 0.020 0.014 0.014 0.012 0.014	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996 0.128 0.996 0.188 0.996 0.387 0.996 0.387 0.996 0.387 0.996 0.536	0.017 Differential (Down-Up) -0.004 -0.006 -0.004 -0.005 -0.005 -0.007
Time 8:00 9:00 10:00 11:00 12:05 13:00	Downwind Upwind Downwind Upwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039 0.035 0.038 0.033 0.037 0.030 0.031 0.029 0.030 0.028	0.010 0.010 0.008 0.008 December 14, 2011 Minimum 0.030 0.026 0.030 0.025 0.027 0.025 0.027 0.025 0.022 0.018 0.020 0.014 0.012 0.014 0.012	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996 0.128 0.996 0.128 0.996 0.387 0.996 0.387 0.996 0.387 0.996 0.336 0.996	0.017 Differential (Down-Up) -0.004 -0.006 -0.004 -0.005 -0.007 -0.007 -0.002
Time 8:00 9:00 10:00 11:00 12:05 13:00	Downwind Upwind Upwind Upwind Upwind	0.065 0.043 0.060 Average 0.043 0.039 0.042 0.036 0.039 0.035 0.038 0.033 0.033 0.033 0.037 0.030	0.010 0.010 0.008 0.008 December 14, 2011 Minimum 0.030 0.026 0.030 0.025 0.027 0.025 0.022 0.018 0.020 0.014 0.014 0.012 0.014	1.61 4.96 2.74 4.96 Maximum 0.128 0.996 0.128 0.996 0.128 0.996 0.188 0.996 0.387 0.996 0.387 0.996 0.387 0.996 0.536	0.017 Differential (Down-Up) -0.004 -0.006 -0.004 -0.005 -0.007 -0.002

		[December 15, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:00	Upwind	0.009	0.007	0.017	0.031
8.00	Downwind	0.040	0.007	1.52	0.031
9:00	Upwind	0.011	0.007	0.078	0.023
9.00	Downwind	0.034	0.007	1.52	0.025
10:00	Upwind	0.011	0.007	0.078	0.028
10.00	Downwind	0.039	0.007	3.83	0.028
11:00	Upwind	0.012	0.007	0.955	0.027
11.00	Downwind	0.039	0.007	3.83	0.027
12:10	Upwind	0.012	0.007	0.955	0.024
12:10	Downwind	0.036	0.005	3.83	0.024
13:05	Upwind	0.011	0.006	0.955	0.026
13:05	Downwind	0.037	0.005	4.23	0.026
11:00	Upwind	0.011	0.006	0.955	0.024
14:00	Downwind	0.035	0.004	4.23	0.024
	Upwind	0.011	0.006	0.955	0.000
14:50	Downwind	0.033	0.004	4.23	0.022
		[December 16, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
0.00	Upwind	0.002	0.000	0.009	0.011
8:00	Downwind	0.013	0.000	2.30	0.011
0.00	Upwind	0.002	0.000	0.009	0.000
9:00	Downwind	0.008	0.000	2.30	0.006
40.00	Upwind	0.002	0.000	0.009	0.006
10:00	Downwind	0.008	0.000	2.30	
	Upwind	0.003	0.000	0.020	
11:00	Downwind	0.008	0.000	2.30	0.005
	Upwind	0.003	0.000	0.020	
12:00	Downwind	0.010	0.000	2.30	0.007
	Upwind	0.003	0.000	0.020	
13:00	Downwind	0.010	0.000	2.30	0.007
	Upwind	0.003	0.000	0.023	
14:00	Downwind	0.012	0.000	5.79	0.009
	Dominia		December 19, 2011	5.75	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
	Upwind	0.045	0.021	1.09	· · ·
8:00	Downwind	0.050	0.019	2.52	0.005
	Upwind	0.034	0.013	1.09	
9:00	Downwind	0.080	0.013	17.1	0.046
	Upwind	0.030	0.012	1.09	
10:00	Downwind	0.176	0.011	98.3	0.146
	Upwind	0.028	0.010	1.09	-
11:00	Downwind	0.176	0.011	98.3	0.148
	Upwind	0.028	0.010	1.09	-
12:15	Downwind	0.188	0.011	98.3	0.160
13:00	Upwind	0.027	0.011	1.09	0.164
	Downwind	0.191	0.010	98.3	
14:00	Upwind	0.027	0.011	1.09	0.139
	Downwind	0.166	0.010	98.3	+
14:50	Upwind	0.027	0.011	1.09	0.125
	Downwind	0.152	0.010	98.3	1

			December 20, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:00	Upwind	0.005	0.004	0.007	0.003
	Downwind	0.008	0.003	1.12	
9:05	Upwind	0.004	0.003	0.007	0.005
	Downwind	0.009	0.003	1.12	
10:00	Upwind	0.004	0.002	0.008	0.005
	Downwind	0.009	0.001	1.12	
11:00	Upwind	0.004	0.002	0.011	0.004
11.00	Downwind	0.008	0.001	1.12	0.004
12:15	Upwind	0.003	0.002	0.013	0.010
12.15	Downwind	0.013	0.001	1.66	0.010
13:05	Upwind	0.003	0.002	0.013	0.012
15.05	Downwind	0.015	0.001	1.66	0.012
14:00	Upwind	0.003	0.002	0.013	0.011
14:00	Downwind	0.014	0.001	1.66	0.011
44.50	Upwind	0.003	0.002	0.013	0.040
14:50	Downwind	0.015	0.001	1.66	0.012
			December 21, 2011		•
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
	Upwind	0.019	0.017	0.033	
8:00	Downwind	0.026	0.015	0.227	0.007
	Upwind	0.021	0.015	0.067	
9:00	Downwind	0.072	0.015	3.90	0.051
	Upwind	0.023	0.015	1.06	
10:00	Downwind	0.056	0.150	3.90	0.033
	Upwind	0.024	0.017	1.06	
11:00					0.027
	Downwind	0.051	0.015	3.90	
12:00	Upwind	0.023	0.015	1.06	0.022
	Downwind	0.045	0.015	3.90	
13:00	Upwind	0.021	0.014	1.06	0.018
	Downwind	0.039	0.013	3.90	
14:00	Upwind	0.019	0.014	1.06	0.019
1.00	Downwind	0.038	0.013	3.90	0.015
14:50	Upwind	0.022	0.014	1.06	0.015
1 1.50	Downwind	0.037	0.013	3.90	0.015
			December 22, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
8:00	Upwind	0.002	0.001	0.005	0.006
8.00	Downwind	0.008	0.001	0.099	0.000
0.00	Upwind	0.002	0.001	0.005	0.007
9:00	Downwind	0.009	0.001	0.235	0.007
10.00	Upwind	0.002	0.001	0.005	0.040
10:00	Downwind	0.020	0.001	15.9	0.018
44.00	Upwind	0.002	0.001	0.005	0.000
11:00	Downwind	0.022	0.001	15.9	0.020
	Upwind	0.002	0.001	0.008	
12:30	Downwind	0.019	0.001	15.9	0.017
	Upwind	0.002	0.001	0.008	
14:45	Downwind	0.020	0.001	15.9	0.018
	200 AWING		December 23, 2011	13.3	I
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
	Upwind	0.001	0.000	0.004	Differential (DOWII=0
8:00	Downwind	0.001	0.000	0.997	0.128
	Upwind				+
9:00		0.001	0.000	0.004	0.140
	Downwind	0.141	0.002	2.82	
10:00	Upwind	0.002	0.000	0.005	0.089
	Downwind	0.091	0.001	2.82	
11:00	Upwind	0.002	0.000	0.005	0.071
	Downwind	0.073	0.001	2.82	
12:00	Upwind	0.003	0.000	0.006	0.063
	Downwind	0.066	0.001	2.82	0.005

		[December 27, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8.00	Upwind	0.015	0.010	0.019	0.087
8.00	Downwind	0.102	0.016	2.14	0.087
0.00	Upwind	0.013	0.012	0.019	0.040
9.00	Downwind	0.053	0.012	2.14	0.040
10.00	Upwind	0.010	0.008	0.019	0.025
10:00	Downwind	0.045	0.012	2.14	0.035
11:00					0.027
12:00					0.017
13:00					0.015
14:00					0.014
14:50					0.013
	Downwind			2.14	
	1 1			· · · ·	
Time					Differential (Down-Up)
8:30	· · · · · · · · · · · · · · · · · · ·				0.024
		0.026	0.001	1.10	
10.00	· · ·	0.002	0.001	0.007	0.022
10.00	Downwind	0.024	0.001	1.21	0.022
11.00	Upwind	0.002	0.001	0.008	0.019
11.00	Downwind	0.021	0.001	1.44	0.015
12,00	Upwind	0.002	0.001	0.008	0.015
12.00	Downwind	0.017	0.001	1.44	0.013
40.00				0.008	0.015
13:30	Downwind	0.017		1.44	0.015
				0.017	
14:50					0.017
	1				
Time	Dust Tract			Maximum	Differential (Down-Up)
8:30					0.001
					-
10:30					0.054
12:00					0.039
13:00					0.033
14:00					0.031
14.50			0.000		0.027
1 1150	Downwind		0.000	3.06	0.027
		[December 30, 2011		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8.00	Upwind	0.016	0.014	0.024	0.001
0.00	Downwind	0.017	0.012	0.075	0.001
0.15	Upwind	0.016	0.014	0.024	6.000
9:15	Downwind				0.002
10:30					0.005
11:30					0.003
			0.014	0.054	0.003
12:30				0	0.005
12:30	Stol Downwind 0.102 0.016 2.14 9:00 Upwind 0.013 0.012 0.019 Downwind 0.045 0.012 2.14 10:00 Upwind 0.045 0.012 2.14 11:00 Upwind 0.017 0.007 2.14 12:00 Downwind 0.037 0.007 2.14 13:00 Upwind 0.012 0.008 0.167 Downwind 0.029 0.006 2.14 14:00 Upwind 0.012 0.006 2.14 14:00 Upwind 0.012 0.006 2.14 14:50 Upwind 0.012 0.007 0.167 Downwind 0.025 0.006 2.14 0.007 11:00 Upwind 0.002 0.001 1.10 11:00 Upwind 0.002 0.001 1.21 11:00 Upwind 0.002 0.001 1.44 13:30 Upwind 0	0.003			
		0.003			

			January 3, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:00	Upwind	0.003	0.002	0.005	0.032
	Downwind	0.035	0.001	0.537	
9:00	Upwind	0.003	0.002	0.009	0.030
	Downwind	0.033	0.001	0.537	
10:00	Upwind	0.003	0.001	0.009	0.051
	Downwind	0.054	0.001	5.14	
11:00	Upwind	0.003	0.001	0.009	0.059
	Downwind	0.062	0.001	5.14	
12:00	Upwind	0.003	0.001	0.017	0.051
	Downwind	0.054	0.001	5.14	
13:00	Upwind	0.003	0.001	0.017	0.045
	Downwind	0.048	0.001	5.14	
14:00	Upwind	0.003	0.001	0.017	0.040
	Downwind	0.043	0.001	5.14	
14:50	Upwind	0.004	0.001	0.028	0.038
11150	Downwind	0.042	0.001	5.14	0.050
			January 4, 2012	•	•
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:00	Upwind	0.015	0.012	0.024	0.084
0.00	Downwind	0.099	0.011	2.79	0.004
9:00	Upwind	0.014	0.011	0.024	0.058
5.50	Downwind	0.072	0.009	2.79	0.050
10:00	Upwind	0.013	0.011	0.024	0.061
10.00	Downwind	0.074	0.009	3.04	0.001
11:00	Upwind	0.012	0.006	0.024	0.060
11.00	Downwind	0.072	0.006	3.04	0.000
12:00	Upwind	0.011	0.006	0.024	0.062
12.00	Downwind	0.073	0.004	4.71	0.002
13:00	Upwind	0.011	0.006	0.026	0.057
15.00	Downwind	0.068	0.004	4.71	0.037
12.50	Upwind	0.011	0.006	0.026	0.050
13:50	Downwind	0.069	0.004	4.71	0.058
14:45	Upwind	0.010	0.006	0.026	0.057
14:45	Downwind	0.067	0.004	4.71	0.057
			January 5, 2012		•
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:20	Upwind	0.020	0.016	0.045	0.005
8.20	Downwind	0.025	0.015	0.308	0.005
0.25	Upwind	0.021	0.016	0.045	0.005
9:25	Downwind	0.026	0.015	0.308	0.005
40.00	Upwind	0.022	0.016	0.045	0.005
10:30	Downwind	0.027	0.015	0.308	0.005
12.20	Upwind	0.022	0.014	0.045	0.007
12:30	Downwind	0.029	0.015	1.91	0.007
12.20	Upwind	0.023	0.014	0.045	0.000
13:30	Downwind	0.031	0.013	2.93	0.008
14-20	Upwind	0.021	0.014	0.045	0.010
14:30	Downwind	0.031	0.013	2.93	0.010
	<u> </u>		January 6, 2012		1
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
	Upwind	0.009	0.006	0.022	
8:00	Downwind	0.010	0.006	0.101	0.001
	Upwind	0.010	0.006	0.081	1
9:00	Downwind	0.010	0.006	0.171	0.001
	Upwind	0.011	0.006	0.081	
10:00	Downwind	0.011	0.006	0.171	0.000
	Upwind	0.011	0.006	0.081	+
11:00					0.000
	Downwind	0.011	0.006	0.171	
12:20	Upwind	0.012	0.006	0.081	0.001
	Downwind	0.013	0.006	0.319	
13:30	Upwind	0.014	0.006	0.081	0.000
	Downwind	0.014	0.006	0.319	
	Upwind	0.015	0.006	0.081	0.000
14:45	Downwind	0.017	0.006	0.319	0.002

			January 9, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.011	0.007	0.286	0.005
	Downwind	0.016	0.006	0.335	
9:00	Upwind	0.010	0.006	0.286	0.004
	Downwind Upwind	0.014	0.006	0.398	
10:00	Downwind	0.010	0.006	0.398	0.002
	Upwind	0.012	0.006	0.286	
11:00	Downwind	0.011	0.006	0.398	0.001
12:00	Upwind	0.009	0.005	0.286	0.002
12:00	Downwind	0.011	0.004	0.434	0.002
13:00	Upwind	0.009	0.005	0.286	0.002
	Downwind	0.011	0.004	0.434	
14:00	Upwind	0.008	0.003	0.286	0.002
	Downwind	0.010	0.002	0.578	
14:45	Upwind Downwind	0.008	0.003	0.286	0.002
	Downwind	0.010	January 10, 2012	0.378	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Upwind	0.019	0.009	0.032	
8:15	Downwind	0.032	0.012	0.424	0.013
9:00	Upwind	0.016	0.009	0.032	0.012
5.00	Downwind	0.028	0.012	0.424	0.012
10:00	Upwind	0.015	0.009	0.032	0.012
	Downwind	0.027	0.012	0.424	0.012
11:00	Upwind	0.019	0.009	0.050	0.008
	Downwind	0.027	0.012	0.424	
12:15	Upwind	0.020	0.009	0.050	0.009
	Downwind Upwind	0.029	0.012	0.050	
13:00	Downwind	0.020	0.003	1.54	0.010
	Upwind	0.020	0.009	0.050	
14:00	Downwind	0.030	0.012	1.54	0.010
14.45	Upwind	0.019	0.009	0.050	0.011
14:45	Downwind	0.030	0.009	1.54	0.011
			January 11, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.024	0.013	0.066	0.002
	Downwind	0.026	0.011	0.383	
9:15	Upwind	0.022	0.008	0.134	0.003
	Downwind	0.025	0.007	0.383	
10:30	Upwind	0.021	0.006	0.475	0.002
	Downwind Upwind	0.023	0.006	0.940	
11:30	Downwind	0.019	0.006	1.01	0.002
	Upwind	0.018	0.006	1.29	
12:30	Downwind	0.021	0.005	1.20	0.003
12.20	Upwind	0.017	0.006	1.29	0.005
13:30	Downwind	0.022	0.005	1.95	0.005
14:45	Upwind	0.016	0.006	1.29	0.007
17.75	Downwind	0.023	0.005	2.63	0.007
	-		January 12, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30					
	Upwind	0.002	0.001	0.103	0.001
	Downwind	0.003	0.000	0.295	0.001
10:00	Downwind Upwind	0.003	0.000 0.001	0.295 0.103	0.001
	Downwind Upwind Downwind	0.003 0.003 0.004	0.000 0.001 0.000	0.295 0.103 0.295	0.001
10:00 11:30	Downwind Upwind Downwind Upwind	0.003 0.003 0.004 0.003	0.000 0.001 0.000 0.001	0.295 0.103 0.295 0.103	
11:30	Downwind Upwind Downwind Upwind Downwind	0.003 0.003 0.004 0.003 0.004	0.000 0.001 0.000 0.001 0.001 0.000	0.295 0.103 0.295 0.103 0.295	0.001
	Downwind Upwind Downwind Upwind Downwind Upwind	0.003 0.003 0.004 0.003 0.004 0.005	0.000 0.001 0.000 0.001 0.000 0.000	0.295 0.103 0.295 0.103 0.295 0.405	0.001
11:30	Downwind Upwind Downwind Upwind Downwind	0.003 0.003 0.004 0.003 0.004	0.000 0.001 0.000 0.001 0.001 0.000	0.295 0.103 0.295 0.103 0.295	0.001
11:30	Downwind Upwind Downwind Upwind Downwind Upwind	0.003 0.003 0.004 0.003 0.004 0.005	0.000 0.001 0.000 0.001 0.000 0.000 0.000 0.000	0.295 0.103 0.295 0.103 0.295 0.405	0.001
11:30 13:30 Time	Downwind Upwind Downwind Upwind Upwind Downwind Downwind Downwind Upwind	0.003 0.003 0.004 0.003 0.004 0.005 0.005	0.000 0.001 0.000 0.001 0.000 0.000 0.000 January 13, 2012	0.295 0.103 0.295 0.103 0.295 0.405 0.295	0.001 0.001 - 0.002 Differential (Down-Up)
11:30 13:30	Downwind Upwind Upwind Downwind Upwind Downwind Downwind Upwind Upust Tract Upwind Downwind	0.003 0.003 0.004 0.003 0.004 0.005 0.003 Average 0.020 0.017	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.010	0.295 0.103 0.295 0.103 0.295 0.405 0.295 Maximum 0.124 0.152	0.001 0.001 -0.002
11:30 13:30 Time	Downwind Upwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind	0.003 0.004 0.003 0.004 0.003 0.004 0.005 0.003 Average 0.020 0.017 0.036	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.010 0.014	0.295 0.103 0.295 0.103 0.295 0.405 0.295 Maximum 0.124 0.152 5.44	0.001 0.001 - 0.002 Differential (Down-Up)
11:30 13:30 Time 8:30	Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind	0.003 0.004 0.004 0.003 0.004 0.005 0.003 Average 0.020 0.017 0.036 0.024	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.010	0.295 0.103 0.295 0.103 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165	0.001 0.001 - 0.002 Differential (Down-Up) -0.003
11:30 13:30 Time 8:30	Downwind Upwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Upwind Upwind	0.003 0.004 0.004 0.003 0.004 0.005 0.003 Average 0.020 0.017 0.036 0.024 0.038	0.000 0.001 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.010 0.014 0.014 0.014	0.295 0.103 0.295 0.403 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165 5.44	0.001 0.001 - 0.002 Differential (Down-Up) -0.003
11:30 13:30 Time 8:30 9:30	Downwind Upwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Upwind Downwind	0.003 0.003 0.004 0.003 0.004 0.005 0.003 Average 0.020 0.017 0.036 0.024 0.024 0.028	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.014 0.014 0.014 0.014 0.014 0.010	0.295 0.103 0.295 0.405 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165 5.44 0.165	0.001 0.001 - 0.002 Differential (Down-Up) - 0.003 - 0.012
11:30 13:30 Time 8:30 9:30	Downwind Upwind Upwind	0.003 0.004 0.003 0.004 0.005 0.005 0.003 Average 0.020 0.017 0.036 0.024 0.028 0.038	0.000 0.001 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.010 0.014 0.010 0.014 0.010 0.014	0.295 0.103 0.295 0.403 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165 5.44 0.165 5.44	0.001 0.001 - 0.002 Differential (Down-Up) - 0.003 - 0.012
11:30 13:30 Time 8:30 9:30 10:30	Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Downwind	0.003 0.004 0.003 0.004 0.003 0.004 0.005 0.003 Average 0.020 0.017 0.036 0.024 0.038 0.028 0.036 0.026	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010	0.295 0.103 0.295 0.405 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165 5.44 0.165 5.44 0.165	0.001 0.001 0.002 Differential (Down-Up) -0.003 -0.012 -0.010
11:30 13:30 Time 8:30 9:30 10:30	Downwind Upwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind	0.003 0.004 0.004 0.003 0.004 0.005 0.003 Average 0.020 0.017 0.036 0.024 0.038 0.028 0.036 0.026 0.032	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010	0.295 0.103 0.295 0.405 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165 5.44 0.165 5.44 0.165 5.44	0.001 0.001 0.002 Differential (Down-Up) -0.003 -0.012 -0.010
11:30 13:30 Time 8:30 9:30 10:30 11:30 12:45	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Upwind	0.003 0.004 0.003 0.004 0.005 0.003 0.005 0.003 0.020 0.017 0.036 0.024 0.038 0.028 0.038 0.028 0.036 0.024 0.032 0.026	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.000 0.000	0.295 0.103 0.295 0.405 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.228	 0.001 0.001 0.002 Differential (Down-Up) -0.003 -0.012 -0.010 -0.010 -0.010 -0.008
11:30 13:30 Time 8:30 9:30 10:30 11:30	Downwind Upwind Downwind	0.003 0.003 0.004 0.003 0.004 0.005 0.003 Average 0.020 0.017 0.036 0.024 0.024 0.038 0.028 0.036 0.026 0.032 0.032 0.024 0.029	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.000 0.000	0.295 0.103 0.295 0.405 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.125 5.44 0.228 5.44	 0.001 0.001 0.001 0.002 Differential (Down-Up) -0.003 -0.012 -0.010 -0.010
11:30 13:30 Time 8:30 9:30 10:30 11:30 12:45	Downwind Upwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Upwind	0.003 0.004 0.003 0.004 0.005 0.003 0.005 0.003 0.020 0.017 0.036 0.024 0.038 0.028 0.038 0.028 0.036 0.024 0.032 0.026	0.000 0.001 0.000 0.000 0.000 0.000 January 13, 2012 Minimum 0.014 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.010 0.014 0.000 0.000	0.295 0.103 0.295 0.405 0.295 0.405 0.295 Maximum 0.124 0.152 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.165 5.44 0.228	 0.001 0.001 0.002 Differential (Down-Up) -0.003 -0.012 -0.010 -0.010 -0.010 -0.008

			January 16, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.008	0.006	0.013	0.016
0.00	Downwind	0.024	0.005	0.245	0.010
9:00	Upwind	0.007	0.005	0.013	0.009
	Downwind	0.016	0.004	0.433	
10:00	Upwind	0.006	0.005	0.013	0.007
	Downwind	0.013	0.002	0.433	
11:00	Upwind	0.006	0.002	0.092	0.009
	Downwind Upwind	0.006	0.001 0.002	0.951 0.125	
12:15	Downwind	0.013	0.001	0.951	0.007
	Upwind	0.006	0.002	0.125	
13:15	Downwind	0.012	0.001	0.951	0.006
	Upwind	0.006	0.002	0.167	0.005
14:15	Downwind	0.011	0.001	0.951	0.005
14.45	Upwind	0.006	0.002	0.167	0.005
14:45	Downwind	0.011	0.001	0.951	0.005
			January 17, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.017	0.013	0.023	0.014
	Downwind	0.031	0.010	0.131	
9:00	Upwind	0.019	0.013	0.029	0.016
	Downwind	0.035	0.010	0.340	
10:00	Upwind	0.021	0.013	0.030	0.023
	Downwind	0.044	0.010	0.448	
11:00	Upwind	0.022	0.013	0.032	0.024
	Downwind	0.046	0.010	0.965	
12:00	Upwind Downwind	0.023	0.013	0.032	0.023
	Upwind	0.024	0.010	0.040	
13:00	Downwind	0.045	0.013	1.44	0.021
	Upwind	0.025	0.013	0.076	
14:00	Downwind	0.045	0.010	1.44	0.020
	Upwind	0.027	0.013	0.076	
14:45	Downwind	0.045	0.010	1.44	0.018
	1		January 18, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:15	Upwind	0.005	0.004	0.014	0.009
8.15	Downwind	0.014	0.003	1.21	0.005
9:00	Upwind	0.005	0.003	0.014	0.010
5.00	Downwind	0.015	0.003	1.21	0.010
10:00	Upwind	0.004	0.002	0.015	0.009
	Downwind	0.013	0.001	1.21	
11:00	Upwind	0.004	0.001	0.015	0.008
	Downwind	0.012	0.000	1.21	-
12:15	Upwind	0.004	0.001	0.015	0.008
	Downwind	0.012	0.000	1.21	
13:00	Upwind	0.004	0.001	0.015	0.008
	Downwind Upwind	0.012	0.000	1.21 0.015	
14:00	Downwind	0.012	0.000	1.21	0.009
	Upwind	0.003	0.000	0.015	
14:45	Downwind	0.012	0.000	1.21	0.009
	Downwind	0.012	January 19, 2012	1.21	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Upwind	0.006	0.004	0.011	
8:00	Downwind	0.013	0.003	0.295	0.007
9:00	Upwind	0.006	0.004	0.052	0.006
5:00	Downwind	0.012	0.003	0.295	0.000
10:00	Upwind	0.006	0.004	0.052	0.006
10.00	Downwind	0.012	0.003	0.295	0.000
11:00	Upwind	0.006	0.004	0.052	0.005
_1.00	Downwind	0.011	0.003	0.565	5.005
12:00	Upwind	0.006	0.004	0.052	0.004
	Downwind	0.010	0.003	0.565	
13:00	Upwind	0.008	0.004	1.68	0.002
13:00	Downwind	0.010	0.003	0.565	
		0.009	0.004	1.68	0.001
14:00	· · · · · · · · · · · · · · · · · · ·			÷ ·	0.001
14:00	Downwind	0.010	0.003	0.565	0.001
14:00 14:45	· · · · · · · · · · · · · · · · · · ·		0.003 0.003 0.003	0.565 1.68 0.565	0.002

			January 20, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:00	Upwind	0.015	0.011	0.018	0.006
0.00	Downwind	0.021	0.011	0.117	0.000
9:00	Upwind	0.012	0.006	0.018	0.005
5.00	Downwind	0.017	0.007	0.117	0.005
10:00	Upwind	0.011	0.006	0.018	0.004
10.00	Downwind	0.015	0.005	0.158	0.004
11:00	Upwind	0.009	0.005	0.019	0.004
11.00	Downwind	0.013	0.004	0.317	0.004
12:00	Upwind	0.009	0.004	0.019	0.002
12.00	Downwind	0.011	0.002	0.317	0.002
13:00	Upwind	0.008	0.003	0.019	0.002
13:00	Downwind	0.010	0.002	0.317	0.002
11:00	Upwind	0.007	0.003	0.032	0.002
14:00	Downwind	0.009	0.002	0.317	0.002
44.35	Upwind	0.007	0.003	0.032	0.000
14:35	Downwind	0.009	0.002	0.317	0.002
			January 23, 2012		•
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
0.00	Upwind	0.023	0.019	0.056	0.001
9:00	Downwind	0.022	0.016	0.155	-0.001
40.00	Upwind	0.023	0.019	0.056	0.000
10:00	Downwind	0.023	0.016	0.185	0.000
	Upwind	0.023	0.019	0.056	
11:00	Downwind	0.023	0.016	0.201	0.000
	Upwind	0.022	0.014	0.118	
12:00	Downwind	0.022	0.012	0.201	0.000
	Upwind	0.022	0.014	0.118	
13:00	Downwind	0.022	0.014	0.201	0.000
	Upwind	0.021	0.012	0.118	
14:00	Downwind	0.021	0.009	0.201	0.000
	Upwind	0.021	0.012	0.118	
15:00	Downwind	0.020	0.009	0.201	0.001
	Downwind	0.021	January 24, 2012	0.201	1
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
	Upwind	0.020	0.012	0.118	1
8:00	Downwind	0.016	0.009	0.120	-0.004
	Upwind	0.079	0.012	0.584	
9:00	Downwind	0.021	0.009	0.178	-0.058
	Upwind	0.021	0.012	0.584	
10:30	Downwind	0.021	0.009	0.257	-0.041
	Upwind				
11:30	Downwind	0.022	0.009	0.419	
	Upwind	0.022	0.009	0.584	
12:30					-0.008
	Downwind	0.021	0.009	0.419	
13:30	Upwind	0.026	0.012	0.584	-0.006
	Downwind	0.020	0.009	0.419	
14:50	Upwind	0.023	0.012	0.584	-0.002
	Downwind	0.021	0.009	0.419	1

			January 25, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
9:15	Upwind	0.007	0.005	0.073	0.015
9.15	Downwind	0.022	0.004	3.69	0.015
10:15	Upwind	0.006	0.003	0.073	0.012
10.15	Downwind	0.018	0.003	3.69	0.012
12:00	Upwind	0.006	0.003	0.073	0.009
12.00	Downwind	0.015	0.003	3.69	0.005
13:00	Upwind	0.006	0.003	0.073	0.009
15.00	Downwind	0.015	0.003	3.69	0.005
14:00	Upwind	0.006	0.003	0.073	0.009
14.00	Downwind	0.015	0.003	3.69	0.005
14:45	Upwind	0.006	0.003	0.073	0.011
11115	Downwind	0.017	0.003	3.69	0.011
			January 26, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.009	0.007	0.014	0.004
0.00	Downwind	0.013	0.007	0.116	0.004
9:00	Upwind	0.010	0.007	0.027	0.009
5.00	Downwind	0.019	0.007	0.143	0.005
10:00	Upwind	0.010	0.007	0.027	0.008
10.00	Downwind	0.018	0.007	0.143	0.000
11:30	Upwind	0.010	0.007	0.037	0.006
11.50	Downwind	0.016	0.006	0.143	0.000
12:30	Upwind	0.010	0.007	0.037	0.005
12.50	Downwind	0.015	0.006	0.143	0.005
13:30	Upwind	0.010	0.006	0.097	0.004
15.50	Downwind	0.014	0.006	0.171	0.004
14:30	Upwind	0.010	0.006	0.097	0.004
14.50	Downwind	0.014	0.006	0.171	0.004
15:40	Upwind	0.010	0.006	0.097	0.003
13.40	Downwind	0.013	0.006	0.270	0.005
			January 27, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.018	0.004	0.188	-0.016
8.00	Downwind	0.002	0.000	0.039	-0.010
9:00	Upwind	0.018	0.004	0.188	-0.012
5.00	Downwind	0.006	0.000	0.071	0.012
11:00	Upwind	0.014	0.004	0.188	-0.008
11.00	Downwind	0.006	0.000	0.071	0.000
12:15	Upwind	0.010	0.001	0.238	-0.004
12.15	Downwind	0.006	0.000	0.088	-0.004
13:30	Upwind	0.010	0.001	0.811	-0.004
15.50	Downwind	0.006	0.000	0.088	-0.004
			January 30, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Dust Tract Upwind	Average 0.005		Maximum 0.015	
Time 8:00			Minimum		Differential (Down-Up) 0.010
8:00	Upwind	0.005	Minimum 0.004	0.015	0.010
	Upwind Downwind	0.005 0.015	Minimum 0.004 0.004	0.015 0.905	
8:00 9:00	Upwind Downwind Upwind	0.005 0.015 0.005	Minimum 0.004 0.004 0.004	0.015 0.905 0.015	0.010
8:00	Upwind Downwind Upwind Downwind	0.005 0.015 0.005 0.017	Minimum 0.004 0.004 0.004 0.004 0.003	0.015 0.905 0.015 0.905	0.010
8:00 9:00 10:00	Upwind Downwind Upwind Downwind Upwind	0.005 0.015 0.005 0.017 0.005	Minimum 0.004 0.004 0.004 0.004 0.003 0.002	0.015 0.905 0.015 0.905 0.015	0.010
8:00 9:00	Upwind Downwind Upwind Downwind Upwind Downwind	0.005 0.015 0.005 0.017 0.005 0.016	Minimum 0.004 0.004 0.004 0.003 0.002 0.001	0.015 0.905 0.015 0.905 0.015 0.905	0.010
8:00 9:00 10:00 11:00	Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.005 0.015 0.005 0.017 0.005 0.016 0.004	Minimum 0.004 0.004 0.004 0.003 0.002 0.001 0.000	0.015 0.905 0.015 0.905 0.015 0.905 0.905 0.030	0.010 0.012 0.011 0.014
8:00 9:00 10:00	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.005 0.015 0.005 0.017 0.005 0.016 0.004 0.018	Minimum 0.004 0.004 0.003 0.003 0.002 0.001 0.000 0.000	0.015 0.905 0.015 0.905 0.015 0.905 0.905 0.030 2.70	0.010
8:00 9:00 10:00 11:00 12:00	Upwind Downwind Upwind Upwind Downwind Upwind Upwind Upwind	0.005 0.015 0.005 0.017 0.005 0.016 0.004 0.018 0.003	Minimum 0.004 0.004 0.003 0.002 0.001 0.000 0.000 0.000	0.015 0.905 0.015 0.905 0.015 0.905 0.905 0.030 2.70 0.030	0.010 0.012 0.011 0.014 0.011
8:00 9:00 10:00 11:00	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.005 0.015 0.005 0.017 0.005 0.016 0.004 0.018 0.003 0.014 0.003	Minimum 0.004 0.004 0.003 0.002 0.001 0.000 0.000 0.000 0.000 0.000 0.000	0.015 0.905 0.015 0.905 0.015 0.905 0.030 2.70 0.030 2.70 0.030	0.010 0.012 0.011 0.014
8:00 9:00 10:00 11:00 12:00 13:00	Upwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind	0.005 0.015 0.005 0.017 0.005 0.016 0.004 0.018 0.003 0.003	Minimum 0.004 0.004 0.003 0.002 0.001 0.000 0.000 0.000 0.000 0.000	0.015 0.905 0.015 0.905 0.015 0.905 0.030 2.70 0.030 2.70	0.010 0.012 0.011 0.014 0.011 0.009
8:00 9:00 10:00 11:00 12:00	Upwind Downwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind	0.005 0.015 0.005 0.017 0.005 0.016 0.004 0.018 0.003 0.014 0.003 0.012	Minimum 0.004 0.004 0.003 0.002 0.001 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.015 0.905 0.015 0.905 0.015 0.905 0.030 2.70 0.030 2.70 0.030 2.70	0.010 0.012 0.011 0.014 0.011
8:00 9:00 10:00 11:00 12:00 13:00	Upwind Downwind Downwind Upwind Upwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind	0.005 0.015 0.005 0.017 0.005 0.016 0.004 0.018 0.003 0.014 0.003 0.012 0.003	Minimum 0.004 0.004 0.003 0.002 0.001 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.015 0.905 0.015 0.905 0.030 0.030 2.70 0.030 2.70 0.030 2.70 0.030 2.70 0.030	0.010 0.012 0.011 0.014 0.011 0.009

			January 31, 2012		
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30	Upwind	0.012	0.008	0.107	0.001
	Downwind	0.013	0.008	0.419	
10:00	Upwind	0.012	0.008	0.107 0.419	0.002
	Downwind Upwind	0.014	0.008	0.107	
11:00	Downwind	0.013	0.008	0.419	0.001
12.00	Upwind	0.012	0.008	0.107	0.001
12:00	Downwind	0.013	0.008	0.419	0.001
13:00	Upwind	0.012	0.008	0.107	0.004
13.00	Downwind	0.016	0.008	2.70	0.004
14:00	Upwind	0.013	0.008	0.107	0.004
	Downwind	0.017	0.008	2.70	
14:45	Upwind	0.013	0.008	0.107	0.004
	Downwind	0.017	0.008 February 1, 2012	2.70	
Time	Duct Troot	Average	Minimum	Maximum	Differential (Down-Up)
	Dust Tract Upwind	0.040	0.034	Maximum 0.045	
8:00	Downwind	0.040	0.034	1.84	0.024
	Upwind	0.043	0.034	0.059	
9:00	Downwind	0.064	0.034	1.84	0.021
10:00	Upwind	0.045	0.034	0.066	0.019
10:00	Downwind	0.064	0.034	1.84	0.019
11:00	Upwind	0.047	0.034	0.066	0.016
11.00	Downwind	0.063	0.034	1.84	0.010
12:00	Upwind	0.046	0.034	0.066	0.017
	Downwind	0.063	0.022	1.84	
13:00	Upwind	0.043	0.010	0.066	0.017
	Downwind	0.060	0.010	2.91	
14:00	Upwind	0.011 0.063	0.009	0.066 3.00	0.052
	Downwind Upwind	0.083	0.009	0.066	
14:45	Downwind	0.060	0.008	3.54	0.050
	1	0.000	February 2, 2012	5151	
Time	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.011	0.008	0.019	0.004
8.00	Downwind	0.015	0.007	0.174	0.004
9:00	Upwind	0.011	0.008	0.019	0.006
	Downwind	0.017	0.007	0.183	
10:00	Upwind	0.008	0.007	0.019	0.009
	Downwind	0.017	0.006	0.183	
11:00	Upwind Downwind	0.008	0.007	0.019	0.008
	Upwind	0.016	0.006	0.349 0.019	
12:00	Downwind	0.017	0.006	1.34	0.009
	Upwind	0.009	0.006	0.066	
13:00	Downwind	0.017	0.006	1.34	0.008
14:00	Upwind	0.009	0.006	0.066	0.008
14.00	Downwind	0.017	0.006	1.34	0.008
14:45	Upwind	0.010	0.006	0.066	0.007
10.05	Downwind	0.017	0.006	1.34	0.007
	- T - T		February 3, 2012		T
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.007	0.005	0.041	0.013
	Downwind	0.020	0.005	0.343	
9:00	Upwind Downwind	0.007	0.005	0.041 1.10	0.016
	Upwind	0.023	0.004	0.083	
10:00	Downwind	0.021	0.003	1.10	0.015
44.00	Upwind	0.006	0.003	0.083	6.021
11:00	Downwind	0.027	0.003	6.57	0.021
12:00	Upwind	0.005	0.002	0.083	0.020
12:00	Downwind	0.025	0.003	6.57	0.020
13:00	Upwind	0.005	0.002	0.083	0.019
13.00	Downwind	0.024	0.002	6.57	3.015
14:00	Upwind	0.005	0.002	0.083	0.016
	Downwind	0.021	0.001	6.57	
14:45	Upwind Downwind	0.004	0.002	0.083 6.57	0.017

	Durt 7	A	February 6, 2012	Nex :	Differenti 1/2
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
7:12	Upwind Downwind	0.007	0.007	0.059	0.005
	Upwind	0.012	0.008	0.571	
8:15	Downwind	0.011	0.006	1.06	0.003
	Upwind	0.011	0.007	0.571	
9:10	Downwind	0.013	0.006	2.80	-0.003
	Upwind	0.016	0.007	0.571	
10:15	Downwind	0.013	0.006	2.80	-0.003
	Upwind	0.019	0.007	0.571	
11:15	Downwind	0.013	0.006	2.80	-0.006
12.15	Upwind	0.019	0.007	1.02	0.005
12:15	Downwind	0.014	0.006	2.80	-0.005
13:20	Upwind	0.022	0.007	1.02	-0.008
15:20	Downwind	0.014	0.006	2.80	-0.008
14:15	Upwind	0.021	0.002	1.02	-0.007
14.15	Downwind	0.014	0.006	2.80	-0.007
15:00	Upwind	0.026	0.002	1.02	-0.013
15.00	Downwind	0.013	0.006	2.80	-0.015
			February 7, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:00	Upwind	0.045	0.022	0.119	-0.007
0.00	Downwind	0.038	0.022	0.143	-0.007
9:00	Upwind	0.050	0.021	0.301	-0.011
5.00	Downwind	0.039	0.021	0.18	-0.011
10:00	Upwind	0.040	0.014	0.301	-0.005
10.00	Downwind	0.035	0.014	0.327	0.005
11:00	Upwind	0.034	0.014	0.301	-0.001
11.00	Downwind	0.033	0.014	0.408	0.001
12:00	Upwind	0.028	0.010	0.301	0.006
12:00	Downwind	0.034	0.009	17.1	0.000
13:00	Upwind	0.025	0.007	0.301	0.009
15.00	Downwind	0.034	0.007	17.1	0.005
14:00	Upwind	0.038	0.007	12.7	-0.004
	Downwind	0.034	0.007	17.1	
14:45	Upwind	0.033	0.007	12.7	0.000
	Downwind	0.033	0.007	17.1	
	- I - I		February 8, 2012	1	
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
8:30	Upwind	0.006	0.002	0.059	0.009
					0.009
	Downwind	0.015	0.001	0.372	0.005
9:30	Upwind	0.006	0.002	0.059	0.009
9:30	Upwind Downwind	0.006	0.002 0.001	0.059 0.657	
9:30 10:30	Upwind Downwind Upwind	0.006 0.012 0.006	0.002 0.001 0.002	0.059 0.657 0.198	
	Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010	0.002 0.001 0.002 0.001	0.059 0.657 0.198 0.657	0.006
	Upwind Downwind Upwind Downwind Upwind	0.006 0.012 0.006 0.010 0.006	0.002 0.001 0.002 0.001 0.002	0.059 0.657 0.198 0.657 0.198	0.006
10:30	Upwind Downwind Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010 0.006 0.010	0.002 0.001 0.002 0.001 0.002 0.001	0.059 0.657 0.198 0.657 0.198 0.657	0.006
10:30	Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.006 0.012 0.006 0.010 0.006 0.010 0.007	0.002 0.001 0.002 0.001 0.002 0.001 0.001 0.002	0.059 0.657 0.198 0.657 0.198 0.657 0.536	0.006
10:30 11:30	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010 0.006 0.010 0.007 0.008	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	0.059 0.657 0.198 0.657 0.198 0.657 0.536 0.536	0.006
10:30 11:30	Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Upwind	0.006 0.012 0.006 0.010 0.006 0.010 0.007 0.008 0.007	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	0.059 0.657 0.198 0.657 0.198 0.657 0.536 0.657 0.536	0.006
10:30 11:30 12:30	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010 0.006 0.010 0.007 0.008 0.007 0.008	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.536	0.006 0.004 0.004 0.001
10:30 11:30 12:30	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.006 0.012 0.006 0.010 0.006 0.010 0.007 0.008 0.007 0.009 0.009	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.657 0.657	0.006 0.004 0.004 0.001
10:30 11:30 12:30 13:30	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010 0.006 0.010 0.007 0.008 0.007 0.008	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.536	0.006 0.004 0.004 0.001 0.002
10:30 11:30 12:30 13:30	Upwind Downwind Downwind Upwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010 0.006 0.007 0.007 0.008 0.007 0.008 0.007 0.008 0.009	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.536 0.657 0.657 0.625 0.657	0.006 0.004 0.004 0.001 0.002 0.001
10:30 11:30 12:30 13:30	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.006 0.012 0.006 0.010 0.010 0.007 0.008 0.007 0.008 0.009 0.008 0.009 0.009	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.657 0.625 0.657 0.657 0.657	0.006 0.004 0.004 0.001 0.002 0.001
10:30 11:30 12:30 13:30	Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind	0.006 0.012 0.006 0.010 0.006 0.010 0.007 0.008 0.007 0.009 0.008 0.009 0.008 0.009 0.008	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.657 0.625 0.657 0.625 0.657 Maximum 0.085	0.006 0.004 0.004 0.001 0.002 0.001
10:30 11:30 12:30 13:30 14:45 8:00	Upwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010 0.007 0.007 0.008 0.007 0.009 0.008 0.009 Average 0.025 0.012	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.657 0.657 0.657 0.657 0.657 0.657 0.657 0.657	0.006 0.004 0.004 0.001 0.001 0.002 0.001 Differential (Down-U -0.013
10:30 11:30 12:30 13:30 14:45	Upwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Upwind Upwind	0.006 0.012 0.006 0.010 0.007 0.007 0.008 0.007 0.008 0.007 0.008 0.009 0.008 0.009 Verage 0.025 0.012 0.018	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.657 0.657 0.625 0.657 Maximum 0.085 0.212 0.091	0.006 0.004 0.004 0.001 0.001 0.002 0.001 Differential (Down-U
10:30 11:30 12:30 13:30 14:45 8:00 9:00	Upwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind	0.006 0.012 0.006 0.010 0.007 0.008 0.007 0.008 0.009 0.008 0.009 Average 0.025 0.012 0.018 0.019	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 Maximum 0.085 0.212 0.091 0.451	0.006 0.004 0.004 0.001 0.001 0.001 Differential (Down-U -0.013 0.001
10:30 11:30 12:30 13:30 14:45 8:00	Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind	0.006 0.012 0.006 0.010 0.007 0.008 0.007 0.009 0.008 0.009 0.008 0.009 Average 0.025 0.012 0.018 0.019 0.014	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 February 9, 2012 Minimum 0.019 0.016 0.005 0.004	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 0.625 0.657 Maximum 0.085 0.212 0.091 0.451 0.091	0.006 0.004 0.004 0.001 0.001 0.002 0.001 Differential (Down-U -0.013
10:30 11:30 12:30 13:30 14:45 8:00 9:00 10:00	Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010 0.007 0.008 0.007 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.012 0.012 0.012 0.012 0.012 0.012 0.012	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005 0.004 0.004 0.004	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.025 0.657 0.021 0.091 0.451 0.091 0.675	0.006 0.004 0.004 0.001 0.002 0.001 0.001 0.013 0.001 0.001
10:30 11:30 12:30 13:30 14:45 8:00 9:00	Upwind Downwind Downwind Upwind Upwind Upwind Downwind Upwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind	0.006 0.012 0.006 0.010 0.007 0.007 0.008 0.007 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.012 0.012 0.014 0.021 0.012	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005 0.004	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.657 0.625 0.657 Maximum 0.085 0.212 0.091 0.451 0.091 0.675 0.091	0.006 0.004 0.004 0.001 0.001 0.001 Differential (Down-U -0.013 0.001
10:30 11:30 12:30 13:30 14:45 8:00 9:00 10:00 11:00	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind	0.006 0.012 0.006 0.010 0.007 0.008 0.007 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.012 0.012 0.014 0.012 0.012 0.012	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005 0.004 0.004 0.003	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 Maximum 0.085 0.212 0.091 0.451 0.091 0.675 0.091 1.56	0.006 0.004 0.004 0.001 0.001 0.001 0.001 0.001 0.001 0.007 0.010
10:30 11:30 12:30 13:30 14:45 8:00 9:00 10:00	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind	0.006 0.012 0.006 0.010 0.007 0.008 0.007 0.008 0.009 0.008 0.009 Average 0.025 0.012 0.018 0.019 0.018 0.019 0.014 0.021 0.012 0.012	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005 0.004 0.004 0.003 0.004	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.085 0.212 0.091 0.451 0.091 0.675 0.091 1.56 0.091	0.006 0.004 0.004 0.001 0.002 0.001 0.001 0.013 0.001 0.001
10:30 11:30 12:30 13:30 14:45 8:00 9:00 10:00 11:00 11:00	Upwind Downwind Upwind Downwind Upwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Upwind Downwind	0.006 0.012 0.006 0.010 0.007 0.008 0.007 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.012 0.012 0.012 0.014 0.021 0.012 0.012 0.012 0.012	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 February 9, 2012 Minimum 0.019 0.016 0.005 0.004 0.004 0.004 0.003	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.035 0.212 0.091 0.451 0.091 1.56	0.006 0.004 0.004 0.001 0.002 0.001 0.001 0.001 0.001 0.007 0.010 0.009
10:30 11:30 12:30 13:30 14:45 8:00 9:00 10:00 11:00	Upwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind	0.006 0.012 0.006 0.010 0.007 0.007 0.008 0.007 0.008 0.007 0.008 0.009 0.008 0.009 0.008 0.009 0.012 0.012 0.012 0.014 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005 0.004 0.004 0.003 0.004 0.003 0.004	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.657 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.091 0.091 0.675 0.091 1.56 0.091	0.006 0.004 0.004 0.001 0.001 0.001 0.001 0.001 0.001 0.007 0.010
10:30 11:30 12:30 13:30 14:45 8:00 9:00 10:00 11:00 11:00	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind	0.006 0.012 0.006 0.010 0.007 0.007 0.008 0.007 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.011 0.020	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005 0.004 0.004 0.004 0.003 0.004 0.003 0.004	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.091 0.451 0.091 0.675 0.091 1.56 0.091 1.56	0.006 0.004 0.004 0.001 0.002 0.001 0.001 0.001 0.001 0.007 0.010 0.009
10:30 11:30 12:30 13:30 14:45 8:00 9:00 10:00 11:00 11:00	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.006 0.012 0.006 0.010 0.007 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.008 0.009 0.010 0.012 0.012 0.012 0.012 0.012 0.012 0.022 0.011 0.020 0.010	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005 0.004 0.004 0.003 0.004 0.003 0.004 0.003 0.004 0.003 0.004	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.091 0.451 0.091 0.675 0.091 1.56 0.091 1.56 0.091	0.006 0.004 0.004 0.001 0.002 0.001 0.001 0.013 0.001 0.007 0.010 0.009
10:30 11:30 12:30 13:30 14:45 8:00 9:00 10:00 11:00 11:00 12:00	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind	0.006 0.012 0.006 0.010 0.007 0.007 0.008 0.007 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.011 0.020	0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 February 9, 2012 Minimum 0.019 0.016 0.005 0.004 0.004 0.004 0.003 0.004 0.003 0.004	0.059 0.657 0.198 0.657 0.536 0.657 0.536 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.625 0.657 0.091 0.451 0.091 0.675 0.091 1.56 0.091 1.56	0.006 0.004 0.004 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.007 0.010 0.009 0.009

			February 10, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.021	0.016	0.115	0.012
	Downwind	0.033	0.015	0.363	
9:00	Upwind	0.021	0.016	0.115	0.011
	Downwind	0.032	0.015	0.363	
10:00	Upwind	0.020	0.016	0.115	0.008
	Downwind Upwind	0.028	0.013 0.011	0.363 0.517	
11:00	Downwind	0.022	0.130	0.363	0.004
	Upwind	0.020	0.009	0.517	
12:00	Downwind	0.022	0.005	0.756	0.002
	Upwind	0.019	0.009	0.517	
13:00	Downwind	0.022	0.007	0.756	0.003
	Upwind	0.019	0.009	0.517	
14:00	Downwind	0.021	0.007	0.756	0.002
	Upwind	0.017	0.009	0.517	0.004
14:45	Downwind	0.021	0.007	0.756	0.004
			February 13, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.009	0.004	0.545	0.002
	Downwind	0.011	0.004	1.38	
9:00	Upwind	0.008	0.004	0.545	0.002
	Downwind	0.010	0.004	1.38	
10:00	Upwind	0.007	0.003	0.545	0.009
	Downwind	0.016	0.003	1.49	
11:00	Upwind	0.006	0.002	0.545	0.098
	Downwind	0.104	0.002	16.0	
12:00	Upwind	0.005	0.002	0.545	0.130
	Downwind	0.135	0.002	22.2	
13:00	Upwind	0.005	0.002	0.545	0.168
	Downwind	0.173	0.002	25.5	
14:00	Upwind	0.005	0.002	0.545	0.154
	Downwind	0.159	0.002	25.5	
14:45	Upwind	0.005	0.002	0.545	0.143
	Downwind	0.148	0.002	25.5	
	Duct Treat		February 14, 2012	Mayimum	Differential (Down-Up)
	Dust Tract Upwind	Average 0.025	Minimum 0.021	Maximum 0.038	Differential (Down-Op)
8:00	Downwind	0.039	0.021	0.545	0.014
	Upwind	0.039	0.019	0.072	
9:00	Downwind	0.041	0.021	0.545	0.013
	Upwind	0.026	0.015	0.087	
10:00	Downwind	0.037	0.012	0.651	0.011
	Upwind	0.023	0.012	0.324	
11:00	Downwind	0.039	0.007	0.957	0.016
	Upwind	0.021	0.009	0.324	
12:00	Downwind	0.037	0.007	1.78	0.016
42.00	Upwind	0.019	0.009	0.324	0.015
13:00	Downwind	0.035	0.007	1.78	0.016
14.00	Upwind	0.019	0.008	0.324	0.015
14:00	Downwind	0.034	0.007	1.78	0.015
4.4.45	Upwind	0.019	0.008	0.396	0.013
14:45	Downwind	0.032	0.007	1.78	0.013
			February 15, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:00	Upwind	0.025	0.021	0.035	0.002
	Downwind	0.027	0.020	0.102	
9:00	Upwind	0.028	0.021	0.056	0.001
	Downwind	0.029	0.020	0.102	
10:00	Upwind	0.029	0.021	0.056	0.005
	Downwind	0.034	0.020	0.383	
11:00	Upwind	0.029	0.021	0.056	0.009
	Downwind	0.038	0.020	0.698	
12:00	Upwind	0.029	0.021	0.056	0.007
	Downwind	0.036	0.018	0.698	
	Upwind	0.028	0.020	0.056	0.007
13:00	Downwind	0.035	0.018	0.698	-
13:00					
13:00 14:00	Upwind	0.028		0.056	0.007
	Upwind Downwind	0.035	0.018	0.698	0.007
	Upwind				0.007

			February 16, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:00	Upwind	0.040	0.032	0.066	0.016
8.00	Downwind	0.056	0.032	1.92	0.010
9:00	Upwind	0.037	0.032	0.066	0.011
9.00	Downwind	0.048	0.030	1.92	0.011
10:00	Upwind	0.035	0.032	0.066	0.010
10.00	Downwind	0.045	0.021	1.92	0.010
11:00	Upwind	0.034	0.012	0.131	0.009
11.00	Downwind	0.043	0.021	1.92	0.005
12:00	Upwind	0.032	0.012	0.131	0.000
12:00	Downwind	0.038	0.012	1.92	0.006
13:00	Upwind	0.030	0.012	0.156	0.006
13:00	Downwind	0.036	0.012	1.92	0.006
14.00	Upwind	0.028	0.012	0.156	0.007
14:00	Downwind	0.035	0.012	1.92	0.007
14.45	Upwind	0.027	0.012	0.156	0.007
14:45	Downwind	0.034	0.012	1.92	0.007
			February 17, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
0.00	Upwind	0.009	0.007	0.011	0.000
8:00	Downwind	0.011	0.007	0.078	0.002
0.00	Upwind	0.009	0.007	0.011	0.000
9:00	Downwind	0.011	0.006	0.078	0.002
10:00	Upwind	0.009	0.007	0.023	0.000
10:00	Downwind	0.011	0.006	0.211	0.002
11.00	Upwind	0.009	0.006	0.023	0.000
11:00	Downwind	0.011	0.006	0.218	0.002
12.00	Upwind	0.009	0.006	0.023	0.002
12:00	Downwind	0.012	0.006	0.420	0.003
12.00	Upwind	0.009	0.006	0.023	0.004
13:00	Downwind	0.013	0.006	0.420	0.004
14.00	Upwind	0.009	0.006	0.023	0.004
14:00	Downwind	0.013	0.006	0.420	0.004
14.45	Upwind	0.009	0.006	0.023	0.005
14:45	Downwind	0.014	0.006	0.420	0.005
			February 20, 2012		•
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
8:30	Upwind	0.006	0.004	0.014	0.006
0.50	Downwind	0.012	0.004	0.398	0.000
10.15	Upwind	0.005	0.003	0.014	0.014
10:15	Downwind	0.019	0.003	2.15	0.014
12.00	Upwind	0.005	0.003	0.051	0.010
12:00	Downwind	0.023	0.002	2.15	0.018
42.45	Upwind	0.005	0.002	0.203	0.020
13:15	Downwind	0.034	0.002	4.04	0.029
	Upwind	0.005	0.002	0.203	0.007
14:45	Downwind	0.042	0.001	6.66	0.037

			February 21, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:15	Upwind	0.029	0.010	0.337	-0.006
0.15	Downwind	0.023	0.010	0.373	-0.000
10:00	Upwind	0.018	0.004	0.337	0.001
10.00	Downwind	0.019	0.005	0.712	0.001
12:00	Upwind	0.014	0.004	0.337	0.002
12.00	Downwind	0.016	0.005	0.907	0.002
13:20	Upwind	0.012	0.004	0.337	0.004
15:20	Downwind	0.016	0.005	2.06	0.004
14.45	Upwind	0.012	0.004	0.555	0.004
14:45	Downwind	0.016	0.004	2.06	0.004
			February 22, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
	Upwind	0.019	0.012	1.16	
8:00	Downwind	0.028	0.012	0.620	0.009
	Upwind	0.021	0.012	1.16	
9:15	Downwind	0.031	0.012	0.665	0.010
	Upwind	0.019	0.002	1.16	
10:45	Downwind	0.019	0.008	2.17	0.011
	Upwind	0.016		1.16	
12:15	· · ·		0.008		0.011
	Downwind	0.027	0.006	4.34	
13:30	Upwind	0.015	0.007	1.16	0.015
	Downwind	0.030	0.006	4.44	
14:45	Upwind	0.014	0.007	1.16	0.015
	Downwind	0.029	0.006	6.63	
	- I - I		February 23, 2012		Т
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
8:15	Upwind	0.022	0.017	0.030	0.004
	Downwind	0.026	0.017	0.09	
9:30	Upwind	0.024	0.017	0.034	0.005
5.50	Downwind	0.029	0.017	0.15	0.005
10:40	Upwind	0.023	0.017	0.034	0.006
10.40	Downwind	0.029	0.015	0.949	0.000
12.00	Upwind	0.019	0.010	0.034	0.008
12:00	Downwind	0.027	0.009	0.949	0.008
40.00	Upwind	0.017	0.009	0.034	0.007
13:20	Downwind	0.024	0.004	0.949	0.007
	Upwind	0.016	0.002	0.071	
14:45	Downwind	0.020	0.002	1.41	0.004
			February 24, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
	Upwind	0.030	0.010	0.434	
8:15	Downwind	0.018	0.009	0.240	-0.012
	Upwind				+
9:30	· · ·	0.023	0.009	0.618	-0.007
	Downwind	0.016	0.009	0.240	
10:40	Upwind	0.024	0.009	0.618	-0.007
	Downwind	0.017	0.009	0.240	
12:15	Upwind	0.024	0.009	0.618	-0.003
	Downwind	0.021	0.009	0.240	
	Upwind	0.024	0.009	0.618	-0.004
13:30		0.020	0.009	0.240	-0.004
13:30	Downwind	0.020	0.009	0.240	
13:30	Downwind Upwind	0.020	0.009	0.298	-0.001

	Duct Treat	Average	February 27, 2012	Maximum	Differential (Dawn Us
	Dust Tract Upwind	Average 0.023	Minimum 0.011	Maximum 0.039	Differential (Down-Up
8:00	Downwind	0.023	0.011	0.563	0.003
	Upwind	0.026	0.009	0.044	
9:30	Downwind	0.010	0.005	1.76	0.006
10.45	Upwind	0.013	0.005	0.053	0.000
10:45	Downwind	0.019	0.005	1.76	0.006
13-45	Upwind	0.019	0.005	0.073	0.007
12:45	Downwind	0.019	0.005	1.76	0.005
12.45	Upwind	0.014	0.005	0.073	0.005
13:45	Downwind	0.019	0.005	1.76	0.005
14:45	Upwind	0.015	0.005	0.564	0.004
14.45	Downwind	0.019	0.005	4.52	0.004
			February 28, 2012		1
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:10	Upwind	0.012	0.010	0.062	0.007
	Downwind	0.019	0.010	0.323	
9:30	Upwind	0.016	0.008	0.132	0.002
	Downwind	0.018	0.008	0.635	
10:30	Upwind	0.013	0.004	0.132	0.003
	Downwind	0.016	0.004	0.635	
12:30	Upwind	0.010	0.004	0.132	0.005
	Downwind	0.015	0.004	0.947	
13:45	Upwind	0.010	0.004	0.132	0.006
	Downwind	0.016	0.004		
14:45	Upwind Downwind	0.009	0.004	0.132 2.00	0.008
	Downwind	0.017	February 29, 2012	2.00	
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
	Upwind	0.017	0.007	0.375	
8:15	Downwind	0.017	0.007	0.162	-0.007
	Upwind	0.010	0.005	0.375	
9:30	Downwind	0.012	0.005	0.240	-0.003
	Upwind	0.009	0.004	0.375	1
10:35	Downwind	0.011	0.004	0.668	0.000
	Upwind	0.011	0.003	0.375	
12:15	Downwind	0.010	0.004	1.03	0.002
	Upwind	0.011	0.004	0.375	
13:30	Downwind	0.011	0.004	1.14	0.002
	Upwind	0.013	0.004	0.375	
14:45	Downwind	0.016	0.003	1.14	0.003
			March 2, 2012		•
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:40	Upwind	0.012	0.006	0.096	-0.003
8.40	Downwind	0.009	0.005	0.166	-0.005
10:15	Upwind	0.012	0.006	0.096	-0.002
10.12	Downwind	0.010	0.005	0.166	-0.002
12:15	Upwind	0.013	0.005	0.096	-0.001
12.13	Downwind	0.012	0.005	0.166	-0.001
13.45	Upwind	0.013	0.005	0.096	0.000
13:45	Downwind	0.013	0.005	0.166	0.000
14.45	Upwind	0.015	0.005	0.096	0.001
14:45	Downwind	0.014	0.005	0.166	-0.001
			March 5, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
8:30	Upwind	0.004	0.003	0.015	0.022
0.00	Downwind	0.026	0.003	1.30	0.022
10:00	Upwind	0.004	0.003	0.033	0.023
10.00	Downwind	0.027	0.003	1.43	0.025
11:15	Upwind	0.004	0.003	0.033	0.019
	Downwind	0.023	0.002	1.43	0.013
13:00	Upwind	0.004	0.003	0.047	0.016
	Downwind	0.020	0.002	1.43	0.010
		0.004	0.003	0.047	0.014
14:40	Upwind			1.43	
14:40		0.018	0.002	1.45	1
14:40	Upwind Downwind	0.018	March 6, 2012		1
14:40	Upwind Downwind Dust Tract	0.018 Average	March 6, 2012 Minimum	Maximum	Differential (Down-Up
8:00	Upwind Downwind Dust Tract Upwind	0.018 Average 0.008	March 6, 2012 Minimum 0.006	Maximum 0.027	Differential (Down-U 0.006
	Upwind Downwind Dust Tract Upwind Downwind	0.018 Average 0.008 0.014	March 6, 2012 Minimum 0.006 0.005	Maximum 0.027 0.510	
	Upwind Downwind Dust Tract Upwind Downwind Upwind	0.018 Average 0.008 0.014 0.007	March 6, 2012 Minimum 0.006 0.005 0.004	Maximum 0.027 0.510 0.027	
8:00	Upwind Downwind Dust Tract Upwind Downwind Upwind Downwind	0.018 Average 0.008 0.014 0.007 0.018	March 6, 2012 Minimum 0.006 0.005 0.004 0.003	Maximum 0.027 0.510 0.027 1.00	0.006
8:00 9:15	Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.018 Average 0.008 0.014 0.007 0.018 0.007	March 6, 2012 Minimum 0.006 0.005 0.004 0.003 0.004	Maximum 0.027 0.510 0.027 1.00 0.027	0.006
8:00	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Downwind	0.018 Average 0.008 0.014 0.007 0.018 0.007 0.019	March 6, 2012 Minimum 0.006 0.005 0.004 0.003 0.004 0.003	Maximum 0.027 0.510 0.027 1.00 0.027 1.00	0.006
8:00 9:15 10:30	Upwind Downwind Uust Tract Upwind Downwind Upwind Upwind Downwind Upwind	0.018 Average 0.008 0.014 0.007 0.018 0.007	March 6, 2012 Minimum 0.006 0.005 0.004 0.003 0.004	Maximum 0.027 0.510 0.027 1.00 0.027	0.006
8:00 9:15	Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Downwind	0.018 Average 0.008 0.014 0.007 0.018 0.007 0.019	March 6, 2012 Minimum 0.006 0.005 0.004 0.003 0.004 0.003	Maximum 0.027 0.510 0.027 1.00 0.027 1.00	0.006
8:00 9:15 10:30 11:30	Upwind Downwind Upwind Upwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind	0.018 Average 0.008 0.014 0.007 0.018 0.007 0.019 0.006	March 6, 2012 Minimum 0.006 0.005 0.004 0.003 0.004 0.003 0.004 0.003 0.004	Maximum 0.027 0.510 0.027 1.00 0.027 1.00 0.027 1.00 0.027	0.006 0.011 0.012 0.013
8:00 9:15 10:30	Upwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Downwind	0.018 Average 0.008 0.014 0.007 0.018 0.007 0.019 0.006 0.019	March 6, 2012 Minimum 0.006 0.005 0.004 0.003 0.004 0.003 0.004	Maximum 0.027 0.510 0.027 1.00 0.027 1.00 0.027 1.00	0.011

	<u> </u>		March 7, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:30	Upwind Downwind	0.017 0.020	0.014	0.037 0.287	0.003
	Upwind	0.016	0.012	0.068	
10:00	Downwind	0.010	0.012	0.287	0.002
12.22	Upwind	0.015	0.010	0.068	0.000
12:30	Downwind	0.017	0.009	0.287	0.002
40.00	Upwind	0.014	0.010	0.068	0.000
13:30	Downwind	0.017	0.009	0.287	0.003
	Upwind	0.015	0.010	1.25	
14:40	Downwind	0.016	0.009	0.287	0.001
			March 8, 2012		•
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:15	Upwind	0.013	0.009	0.018	0.012
6.15	Downwind	0.025	0.009	0.519	0.012
9:45	Upwind	0.014	0.009	0.125	0.013
9.45	Downwind	0.027	0.009	1.33	0.013
11:00	Upwind	0.014	0.009	0.125	0.015
11.00	Downwind	0.029	0.009	1.33	0.015
12:30	Upwind	0.015	0.009	0.189	0.013
12.30	Downwind	0.028	0.009	1.33	0.013
13:40	Upwind	0.015	0.009	0.324	0.021
10.40	Downwind	0.036	0.009	6.55	0.021
14:40	Upwind	0.016	0.009	0.324	0.029
14.40	Downwind	0.045	0.009	66.6	0.029
			March 9, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
8:30	Upwind	0.003	0.002	0.007	0.003
8.50	Downwind	0.006	0.002	0.024	0.005
9:45	Upwind	0.002	0.001	0.020	0.003
5.45	Downwind	0.005	0.001	0.583	0.005
11:10	Upwind	0.002	0.001	0.020	0.004
11.10	Downwind	0.006	0.001	0.821	0.004
12:45	Upwind	0.002	0.001	0.020	0.003
12.15	Downwind	0.005	0.001	0.821	0.005
13:45	Upwind	0.002	0.001	0.020	0.003
15.45	Downwind	0.005	0.001	0.821	0.005
14:40	Upwind	0.002	0.001	0.020	
		0.002	0.001	0.020	- 0.004
14.40	Downwind	0.006	0.001	0.821	0.004
14.40	Downwind	0.006	0.001 March 12, 2012	0.821	
17.40	Downwind Dust Tract	0.006 Average	0.001 March 12, 2012 Minimum	0.821 Maximum	
	Downwind Dust Tract Upwind	0.006 Average 0.029	0.001 March 12, 2012 Minimum 0.013	0.821 Maximum 0.203	Differential (Down-U
8:15	Downwind Dust Tract Upwind Downwind	0.006 Average 0.029 0.027	0.001 March 12, 2012 Minimum 0.013 0.013	0.821 Maximum 0.203 0.354	
	Downwind Dust Tract Upwind Downwind Upwind	0.006 Average 0.029 0.027 0.023	0.001 March 12, 2012 Minimum 0.013 0.013 0.012	0.821 Maximum 0.203 0.354 0.203	Differential (Down-Uj -0.002
8:15	Downwind Dust Tract Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010	0.821 Maximum 0.203 0.354 0.203 1.37	Differential (Down-U
8:15 10:00	Downwind Dust Tract Upwind Downwind Upwind	0.006 Average 0.029 0.027 0.023 0.027 0.027 0.020	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010	0.821 Maximum 0.203 0.354 0.203 1.37 0.203	Differential (Down-U -0.002 0.004
8:15	Downwind Dust Tract Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010	0.821 Maximum 0.203 0.354 0.203 1.37	Differential (Down-U -0.002
8:15 10:00 11:15	Downwind Dust Tract Upwind Downwind Downwind Upwind Downwind Upwind	0.006 Average 0.029 0.027 0.023 0.027 0.027 0.020	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010	0.821 Maximum 0.203 0.354 0.203 1.37 0.203	Differential (Down-U -0.002 0.004 0.007
8:15 10:00	Downwind Uust Tract Upwind Downwind Upwind Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.37 0.203 1.37	Differential (Down-U -0.002 0.004
8:15 10:00 11:15	Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026 0.018	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.37 0.203 1.37 0.203	Differential (Down-U) -0.002 0.004 0.007
8:15 10:00 11:15 12:40	Downwind Dust Tract Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026 0.018 0.028	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37	Differential (Down-U -0.002 0.004 0.007
8:15 10:00 11:15 12:40 13:40	Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.019 0.026 0.018 0.018	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37 0.203	Differential (Down-U -0.002 0.004 0.007 0.007 0.010
8:15 10:00 11:15 12:40	Downwind Dust Tract Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026 0.018 0.028	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37	Differential (Down-U) -0.002 0.004 0.007
8:15 10:00 11:15 12:40 13:40	Downwind Dust Tract Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011
8:15 10:00 11:15 12:40 13:40	Downwind Dust Tract Upwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.37 0.203 1.69 Maximum	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011
8:15 10:00 11:15 12:40 13:40 14:40	Downwind Uust Tract Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-U
8:15 10:00 11:15 12:40 13:40	Downwind Uust Tract Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.021	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011
8:15 10:00 11:15 12:40 13:40 14:40 8:20	Downwind Uut Tract Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.028 0.018 0.028 0.029 0.029 0.028 0.018 0.029 0.029 0.029 0.028 0.019 0.029 0.029 0.029 0.028 0.019 0.029 0.029 0.029 0.029 0.028 0.019 0.029 0.019 0.029 0.029 0.019 0.029 0.019 0.029 0.019 0.029 0.019 0.029 0.019 0.021 0.029 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.021 0.023 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.176 0.057	Differential (Down-Up -0.002 0.004 0.007 0.007 0.010 Differential (Down-Up Differential (Down-Up 0.002
8:15 10:00 11:15 12:40 13:40 14:40	Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.029 0.021 0.021 0.021 0.023 0.023 0.025	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.57 0.203 1.57 0.203 1.69 Maximum 0.046 0.176 0.057 0.431	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-U
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00	Downwind Dust Tract Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.021 0.021 0.023 0.025 0.022	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 0.046 0.076 0.057 0.431 0.067	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-U 0.002 0.002
8:15 10:00 11:15 12:40 13:40 14:40 8:20	Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.028 0.018 0.029 Average 0.019 0.021 0.021 0.022 0.025	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.431 0.067 0.675	Differential (Down-Up -0.002 0.004 0.007 0.007 0.010 Differential (Down-Up Differential (Down-Up 0.002
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15	Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.028 0.028 0.029 Average 0.029 0.021 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.028 0.028 0.028 0.029 0.029 0.028 0.028 0.029 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.029 0.028 0.029 0.029 0.029 0.028 0.029 0.029 0.029 0.028 0.029 0.029 0.029 0.029 0.029 0.028 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.021 0.022	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.01 0.01	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.431 0.067 0.675 0.0067	Differential (Down-U) -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-U) 0.002 0.002 0.002
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00	Downwind Dust Tract Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.028 0.018 0.028 0.029 Average 0.019 0.021 0.023 0.025 0.021 0.028	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.431 0.067 0.667 0.067 3.17	Differential (Down-Up -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-Up 0.002 0.002
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15	Downwind Upwind Downwind Upwind Downwind Upwind Upwind Downwind Upwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.021 0.021 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.029 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.029 0.027 0.020 0.027 0.020 0.027 0.020 0.028 0.018 0.029 0.022 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.029 0.029 0.028 0.018 0.022 0.021 0.021 0.022 0.020	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.01 0.01	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 0.046 0.057 0.431 0.067 0.067 3.17 0.0067	Differential (Down-U -0.002 0.004 0.007 0.010 0.010 0.011 Differential (Down-U 0.002 0.002 0.002 0.003 0.003
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35	Downwind Dust Tract Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.028 0.018 0.028 0.029 Average 0.019 0.021 0.023 0.025 0.021 0.028	0.001 March 12, 2012 Minimum 0.013 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.011 0.012 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.012 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.011 0.01 0.0	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.431 0.067 0.667 0.067 3.17	Differential (Down-Up -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-Up 0.002 0.002 0.003
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35	Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.021 0.021 0.023 0.025 0.022 0.025 0.021 0.022 0.025 0.021 0.028 0.020 0.025 0.021 0.025 0.022 0.025 0.022 0.022 0.025 0.022 0.025 0.022 0.025 0.025 0.027 0.028 0.029 0.028 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.028 0.029 0.029 0.029 0.028 0.029 0.029 0.029 0.028 0.029 0.021 0.029 0.029 0.028 0.029 0.021 0.022 0.025 0.022 0.022 0.022 0.025 0.022 0.028 0.020 0.028	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.011 0.012 0.011 0	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.057 0.067 0.057 0.067 3.17 0.0667 3.17 0.0667 3.17	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-U 0.002 0.003 0.007 0.003 0.007
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35	Downwind Dust Tract Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.028 0.019 0.029 Average 0.019 0.021 0.023 0.025 0.025 0.022 0.025 0.021 0.028 0.020 0.028 0.020 0.025 0.022 0.025 0.022 0.025 0.025 0.022 0.025 0.025 0.022 0.025 0.021 0.029 0.026 0.026 0.026 0.028 0.029 0.026 0.026 0.028 0.029 0.029 0.026 0.027 0.026 0.028 0.029 0.026 0.028 0.029 0.027 0.026 0.026 0.028 0.029 0.026 0.028 0.029 0.029 0.026 0.026 0.018 0.029 0.029 0.026 0.028 0.029 0.029 0.026 0.028 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.021 0.020 0.021 0.023 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.025 0.026 0.028	0.001 March 12, 2012 Minimum 0.013 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 March 14, 2012 Minimum	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.667 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 0.057 0.067 3.17 0.067 0.057 0.067 3.17 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.057 0.067 0.075 0.067 0.075 0.067 0.075 0.067 0.075 0.067 0.075 0.067 0.075 0.067 0.075 0.067 0.075 0.067 0.075 0.067 0.075 0.067 0.077 0.067 0.077 0.067 0.077 0.067 0.077 0.067 0.077 0.067 0.077 0.067 0.077 0.057	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-U 0.002 0.003 0.007 0.003 0.007
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35 14:45	Downwind Dust Tract Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Down	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.021 0.023 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.021 0.029 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.023 0.022 0.022 0.023 0.022 0.022 0.023 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.023 0.020 0.021 0.028 0.020 0.021 0.028 0.020 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.038	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011	0.821 Maximum 0.203 0.354 0.203 1.37 0.006 0.057 0.067 3.17 0.0067 3.17 0.0067 3.17 0.0067 3.17 0.0067 0.007 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.0067 0.0067 0.0067 0.0067 0.007 0.0067 0.0067 0.0067 0.0067 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.0067 0.007 0.0067 0.0067 0.0067 0.0067 0.0067 0.007 0.0067 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 0.011 Uifferential (Down-U 0.002 0.002 0.003 0.003 0.007 0.003 0.007 0.008
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35	Downwind Upst Tract Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.028 0.018 0.029 0.021 0.021 0.021 0.022 0.025 0.021 0.025 0.021 0.025 0.025 0.022 0.025 0.021 0.025 0.022 0.025 0.021 0.025 0.022 0.025 0.022 0.025 0.022 0.025 0.022 0.025 0.022 0.025 0.022 0.025 0.022 0.022 0.025 0.022 0.025 0.022 0.023 0.022 0.025 0.022 0.023 0.028 0.028 0.028 0.029 0.021 0.025 0.022 0.022 0.025 0.022 0.028 0.020 0.028 0.020 0.028 0.020 0.021 0.028 0.020 0.013 0.016 0.016 0.016 0.016 0.016 0.016 0.016 0.016 0.016 0.017 0.016 0.016 0.017 0.016 0.017 0.016 0.017 0.016 0.020 0.016 0.016 0.016 0.020 0.016 0.016 0.016 0.020 0.016 0.016 0.020 0.016 0.016 0.016 0.027 0.020 0.016 0.016 0.020 0.016 0.016 0.020 0.016 0.016 0.020 0.020 0.016 0.016 0.020 0.020 0.016 0.016 0.020 0.020 0.016 0.016 0.016 0.020 0.016 0.020 0.016 0.016 0.016 0.020 0.016 0.016 0.016 0.020 0.016	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.001 0.002 0.009 0.009	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.063 3.17 0.043 0.045 0	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-U 0.002 0.002 0.002 0.003 0.003
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35 14:45 8:30	Downwind Dust Tract Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Downwind Down	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.021 0.023 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.021 0.029 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.023 0.022 0.022 0.023 0.022 0.022 0.023 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.023 0.020 0.021 0.028 0.020 0.021 0.028 0.020 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.020 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.038	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011	0.821 Maximum 0.203 0.354 0.203 1.37 0.006 0.057 0.067 3.17 0.0067 3.17 0.0067 3.17 0.0067 3.17 0.0067 0.007 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.0067 0.0067 0.0067 0.0067 0.007 0.0067 0.0067 0.0067 0.0067 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.0067 0.007 0.0067 0.0067 0.0067 0.0067 0.0067 0.007 0.0067 0.0067 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.007 0.0067 0.0067 0.007 0.0067 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 0.011 0.011 0.011 0.011 0.002 0.002 0.002 0.002 0.003 0.007 0.003
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35 14:45	Downwind Dust Tract Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.028 0.018 0.028 0.023 0.025 0.025 0.025 0.025 0.022 0.025 0.022 0.025 0.022 0.025 0.021 0.028 0.020 0.025 0.021 0.028 0.025 0.021 0.025 0.025 0.021 0.025 0.021 0.025 0.021 0.021 0.029 0.026 0.026 0.018 0.029 0.026 0.026 0.018 0.029 0.027 0.026 0.026 0.018 0.029 0.026 0.027 0.026 0.028 0.029 0.025 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.025 0.022 0.025 0.021 0.028 0.013 0.013 0.016 0.015 0.025	0.001 March 12, 2012 Minimum 0.013 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 March 14, 2012 Minimum 0.009 0.000 0.009 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.821 Maximum 0.203 0.354 0.203 1.37 0.205 0.057 0.657 0.067 3.17 0.067 3.17 0.067 3.17 0.043 0.043 0.143	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 0.011 Uifferential (Down-U 0.002 0.002 0.003 0.003 0.007 0.003 0.007 0.008
8:15 10:00 11:15 12:40 13:40 13:40 14:40 8:20 10:00 12:15 13:35 13:35 14:45 8:30 10:00	Downwind Uust Tract Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.029 Average 0.021 0.023 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.022 0.025 0.021 0.028 0.025 0.021 0.028 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.022 0.022 0.029 0.029 Average 0.029 0.021 0.023 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.025 0.021 0.028 0.029 0.021 0.025 0.021 0.028 0.029 0.021 0.025 0.021 0.028 0.029 0.021 0.025 0.021 0.020 0.020 0.021 0.020 0.021 0.020 0.021 0.020 0.021 0.020 0.021 0.020 0.021 0.020 0.020 0.021 0.020 0.021 0.020 0.021 0.020 0.020 0.021 0.020 0.020 0.021 0.020 0.020 0.021 0.020 0.020 0.021 0.020 0.020 0.020 0.020 0.021 0.020 0.013 0.016 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.025 0.015 0.015 0.015 0.015 0.015 0.025 0.015 0.015 0.015 0.025 0.015 0.015 0.015 0.025 0.015 0.015 0.015 0.025 0.025 0.015 0.015 0.015 0.025 0.015 0.015 0.025 0.015 0.015 0.025 0.015 0.025 0.015 0.015 0.025 0.025 0.015 0.015 0.025 0.025 0.015 0.015 0.025 0.015 0.025 0	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.010 0.010 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.010 0.012 0.011 0.009 0.009 0.009 0.009 0.009	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.057 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.043 0.043 0.043	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 0.011 0.011 0.011 0.011 0.002 0.002 0.002 0.003 0.003 0.007 0.008 0.008
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35 14:45 8:30	Downwind Dust Tract Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.020 0.027 0.020 0.027 0.020 0.028 0.018 0.028 0.023 0.025 0.025 0.025 0.025 0.022 0.025 0.022 0.025 0.022 0.025 0.021 0.028 0.020 0.025 0.021 0.028 0.025 0.021 0.025 0.025 0.021 0.025 0.021 0.025 0.021 0.021 0.029 0.026 0.026 0.018 0.029 0.026 0.026 0.018 0.029 0.027 0.026 0.026 0.018 0.029 0.026 0.027 0.026 0.028 0.029 0.025 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.025 0.022 0.025 0.021 0.028 0.013 0.013 0.016 0.015 0.025	0.001 March 12, 2012 Minimum 0.013 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 March 14, 2012 Minimum 0.009 0.000 0.009 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.821 Maximum 0.203 0.354 0.203 1.37 0.205 0.057 0.657 0.067 3.17 0.067 3.17 0.067 3.17 0.043 0.043 0.143	Differential (Down-U -0.002 0.004 0.007 0.007 0.010 0.011 0.011 0.011 0.011 0.011 0.002 0.002 0.002 0.002 0.003 0.007 0.003
8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35 14:45 8:30 10:00 12:10	Downwind Dust Tract Upwind Downwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.028 0.018 0.029 Average 0.019 0.021 0.023 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.023 0.022 0.022 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.023 0.021 0.028 0.019 0.021 0.028 0.019 0.021 0.028 0.029 0.021 0.028 0.029 0.021 0.028 0.019 0.021 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.022 0.022 0.023 0.022 0.022 0.023 0.025 0.021 0.028 0.028 0.028 0.029 0.021 0.028 0.029 0.021 0.028 0.028 0.029 0.021 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.021 0.028 0.021 0.028 0.022 0.022 0.022 0.022 0.021 0.028 0.021 0.028 0.021 0.028 0.021 0.028 0.021 0.028 0.021 0.028 0.021 0.028 0.021 0.021 0.028 0.013 0.015 0.018 0.016 0.016	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 March 14, 2012 Minimum 0.009 0.00 0.009 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.821 Maximum 0.203 0.354 0.203 1.37 0.0067 3.17 0.0667 3.17 0.0667 3.17 0.0667 3.17 0.0043 0.043 0.043 0.143 0.043 0.	Differential (Down-Uj -0.002 0.004 0.007 0.007 0.010 0.011 0.011 0.011 0.011 0.002 0.002 0.002 0.002 0.003 0.003 0.008 0.003 0.003 0.003
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8:15 10:00 11:15 12:40 13:40 14:40 8:20 10:00 12:15 13:35 14:45 8:30 10:00 12:10	Downwind Dust Tract Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.006 Average 0.029 0.027 0.023 0.027 0.020 0.027 0.019 0.026 0.018 0.028 0.018 0.029 Average 0.019 0.029 Average 0.029 0.021 0.023 0.025 0.021 0.022 0.025 0.021 0.025 0.021 0.028 0.025 0.021 0.028 0.025 0.021 0.028 0.025 0.021 0.028 0.025 0.021 0.026 0.021 0.025 0.021 0.025 0.021 0.025 0.021 0.028 0.021 0.025 0.021 0.028 0.021 0.025 0.021 0.020 0.025 0.021 0.020 0.025 0.021 0.020 0.025 0.021 0.020 0.025 0.021 0.020 0.020 0.025 0.021 0.020 0.020 0.025 0.021 0.020 0.016 0.016 0.020 0.017 0.020 0.016 0.020 0.017 0.016 0.020 0.017 0.017 0.020 0.017 0.016 0.016 0.017 0.017 0.017 0.016 0.017 0.017 0.017 0.017 0.016 0.017 0.0	0.001 March 12, 2012 Minimum 0.013 0.013 0.012 0.010 0.009 0.010 0.009 0.010 0.009 0.010 0.009 March 13, 2012 Minimum 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 March 14, 2012 Minimum 0.009 0.001 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.012 0.011 0.009 0.00	0.821 Maximum 0.203 0.354 0.203 1.37 0.203 1.69 Maximum 0.046 0.057 0.057 0.067 3.17 0.067 3.17 0.067 3.17 0.067 3.17 0.043 0.043 0.143 0.043 0.143 0.043	Differential (Down-Up -0.002 0.004 0.007 0.007 0.010 0.011 Differential (Down-Up 0.002 0.002 0.003 0.003 0.003 0.003 0.003 0.003

			March 15, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
8:15	Upwind	0.017	0.011	0.029	0.015
0.15	Downwind	0.032	0.012	4.66	0.015
10:00	Upwind	0.016	0.006	0.063	0.013
10.00	Downwind	0.029	0.012	4.66	0.015
12:00	Upwind	0.012	0.006	0.063	0.010
12.00	Downwind	0.022	0.005	4.66	0.010
13:30	Upwind	0.012	0.006	0.063	0.008
15.50	Downwind	0.020	0.005	4.66	0.008
14:45	Upwind	0.012	0.006	0.063	0.008
14.45	Downwind	0.020	0.005	4.66	0.008
			March 16, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
8:40	Upwind	0.013	0.007	0.179	0.003
6.40	Downwind	0.016	0.005	0.232	0.005
10.20	Upwind	0.011	0.005	0.179	0.004
10:20	Downwind	0.015	0.004	0.914	0.004
12:00	Upwind	0.011	0.005	0.179	0.004
12:00	Downwind	0.015	0.004	0.914	0.004
42.22	Upwind	0.011	0.005	0.179	0.005
13:30	Downwind	0.016	0.004	0.914	0.005
	Upwind	0.013	0.005	0.179	
14:45	Downwind	0.017	0.004	0.914	0.004
			March 19, 2012		•
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
	Upwind	0.045	0.035	0.063	
8:15	Downwind	0.050	0.039	0.253	0.005
	Upwind	0.048	0.035	0.063	
9:45	Downwind	0.056	0.033	0.253	0.008
	Upwind	0.039	0.023	0.340	
11:15	Downwind	0.046	0.021	0.813	0.007
	Upwind	0.036	0.021	0.530	
12:35	Downwind	0.041	0.018	0.813	0.005
	Upwind	0.035	0.021	0.530	
13:50	Downwind	0.038	0.018	0.813	0.003
	Upwind	0.034	0.021	0.530	
14:40	Downwind	0.037	0.018	1.30	0.003
	1		March 20, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
	Upwind	0.030	0.022	0.075	
8:20	Downwind	0.033	0.021	0.151	0.003
	Upwind	0.028	0.021	0.256	
9:50	Downwind	0.030	0.019	0.235	0.002
	Upwind	0.028	0.021	0.347	
11:45	Downwind	0.031	0.019	1.68	0.003
	Upwind	0.027	0.019	0.347	
	· · ·				0.013
13:00	Downwind				0.015
13:00	Downwind Upwind	0.040	0.017	9.90 0.347	0.022

	- r - r		March 21, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30	Upwind Downwind	0.008	0.004	0.024	0.004
	Upwind	0.012	0.005	0.126	
9:50	Downwind	0.008	0.004	0.480	0.005
	Upwind	0.007	0.004	0.049	
12:00	Downwind	0.013	0.004	1.52	0.006
12.20	Upwind	0.007	0.004	0.049	0.007
13:30	Downwind	0.014	0.004	1.52	0.007
14.45	Upwind	0.007	0.004	0.049	0.000
14:45	Downwind	0.015	0.004	1.52	0.008
			March 22, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:20	Upwind	0.020	0.017	0.027	0.006
0.20	Downwind	0.026	0.019	0.14	0.000
9:40	Upwind	0.018	0.014	0.069	0.008
	Downwind	0.026	0.014	0.516	
11:00	Upwind	0.017	0.011	0.201	0.010
	Downwind	0.027	0.014	0.516	
12:30	Upwind	0.016	0.011	0.201	0.009
	Downwind	0.025	0.009	0.651	
13:30	Upwind	0.015	0.010	0.201	0.012
	Downwind	0.027	0.009	1.77	
14:45	Upwind	0.015	0.010	0.201	0.014
	Downwind	0.029	0.008	4.37	
			March 23, 2012		I
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:40	Upwind	0.013	0.007	0.271	0.005
	Downwind	0.018	0.006	4.66	
10:00	Upwind	0.011	0.005	0.926	0.006
	Downwind	0.017	0.004	4.660	
11:15	Upwind	0.010	0.004	0.926	0.008
	Downwind	0.018	0.003	4.660	
12:30	Upwind	0.009	0.004	0.926	0.008
	Downwind	0.017	0.003	4.660	
13:30	Upwind	0.009	0.004	0.926	0.007
	Downwind	0.016	0.003	4.660	
14:45	Upwind	0.008	0.004	0.926	0.008
	Downwind	0.016	0.003 March 26, 2012	4.660	
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Upwind	0.022	0.017	0.131	Differential (Down-op
8:00	Downwind	0.022	0.017	0.131	0.004
	Upwind	0.020	0.000	3.66	
9:40	Downwind	0.025	0.000	2.22	-0.007
	Upwind	0.022	0.000	3.66	
11:00	Downwind	0.160	0.000	28.8	0.140
	Upwind	0.018	0.000	3.66	
12:10	Downwind	0.249	0.000	28.8	0.231
	Upwind	0.016	0.000	3.66	
13:10	Downwind	0.328	0.000	47.8	0.312
	Upwind	0.014	0.000	3.66	
14:00				2.00	0.347
	Downwind	0.361	0,000	47 8	
	Downwind Upwind	0.361	0.000	47.8 3.66	
14:35	Downwind Upwind Downwind	0.014	0.000	3.66	0.363
	Upwind				
14:35 15:35	Upwind Downwind Upwind	0.014 0.377 0.013	0.000	3.66 47.8 3.66	0.363
15:35	Upwind Downwind Upwind Downwind	0.014 0.377	0.000 0.000 0.000 0.000	3.66 47.8 3.66 47.8	0.390
	Upwind Downwind Upwind	0.014 0.377 0.013 0.403 0.013	0.000 0.000 0.000 0.000 0.000	3.66 47.8 3.66 47.8 3.66	
15:35	Upwind Downwind Upwind Downwind Upwind	0.014 0.377 0.013 0.403	0.000 0.000 0.000 0.000	3.66 47.8 3.66 47.8	0.390
15:35	Upwind Downwind Upwind Downwind Upwind	0.014 0.377 0.013 0.403 0.013	0.000 0.000 0.000 0.000 0.000 0.000	3.66 47.8 3.66 47.8 3.66	0.390
15:35 16:35	Upwind Downwind Upwind Downwind Upwind Downwind	0.014 0.377 0.013 0.403 0.013 0.413	0.000 0.000 0.000 0.000 0.000 0.000 March 27, 2012	3.66 47.8 3.66 47.8 3.66 76.4	0.390 0.400 Differential (Down-Up
15:35	Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.014 0.377 0.013 0.403 0.013 0.413 Average	0.000 0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum	3.66 47.8 3.66 47.8 3.66 76.4 Maximum	0.390
15:35 16:35 8:10	Upwind Downwind Upwind Upwind Downwind Downwind Dust Tract Upwind	0.014 0.377 0.013 0.403 0.013 0.413 Average 0.004	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025	0.390 0.400 Differential (Down-Up 0.129
15:35 16:35	Upwind Downwind Downwind Upwind Downwind Downwind Upwind Dust Tract Upwind Downwind	0.014 0.377 0.013 0.403 0.013 0.413 Average 0.004 0.133	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025 27.2	0.390 0.400 Differential (Down-Up
15:35 16:35 8:10 9:35	Upwind Downwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind	0.014 0.377 0.013 0.403 0.013 0.413 Average 0.004 0.133 0.004	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025 27.2 0.025	0.390 0.400 Differential (Down-Up 0.129 0.084
15:35 16:35 8:10	Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind	0.014 0.377 0.013 0.403 0.013 0.413 Average 0.004 0.133 0.004 0.088	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002 0.001	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025 27.2 0.025 27.2	0.390 0.400 Differential (Down-Up 0.129
15:35 16:35 8:10 9:35 10:40	Upwind Downwind Downwind Downwind Downwind Downwind Upwind Upwind Downwind Upwind	0.014 0.377 0.013 0.403 0.413 0.413 Average 0.004 0.133 0.004 0.088 0.004	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002 0.001 0.002	3.66 47.8 3.66 47.8 3.66 76.4 0.025 27.2 0.025 27.2 0.025 27.2 0.034	0.390 0.400 Differential (Down-Up 0.129 0.084 0.063
15:35 16:35 8:10 9:35	Upwind Downwind Downwind Downwind Downwind Downwind Dust Tract Upwind Downwind Downwind Downwind Downwind	0.014 0.377 0.013 0.403 0.413 Average 0.004 0.133 0.004 0.088 0.004 0.088	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002 0.001 0.002 0.001	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025 27.2 0.025 27.2 0.025 27.2 0.034 27.2	0.390 0.400 Differential (Down-Up 0.129 0.084
15:35 16:35 8:10 9:35 10:40 12:10	Upwind Downwind Downwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind	0.014 0.377 0.013 0.403 0.013 0.413 Average 0.004 0.133 0.004 0.088 0.004 0.088 0.004 0.067 0.004	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.001 0.001 0.001 0.001 0.001 0.001	3.66 47.8 3.66 47.8 3.66 76.4	0.390 0.400 Differential (Down-Up 0.129 0.084 0.063 0.045
15:35 16:35 8:10 9:35 10:40	Upwind Downwind Downwind Downwind Downwind Upwind Dust Tract Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.014 0.377 0.013 0.403 0.013 0.413 Average 0.004 0.133 0.004 0.088 0.004 0.088 0.004 0.067 0.004 0.049	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025 27.2 0.025 27.2 0.025 27.2 0.034 27.2 0.112 27.2	0.390 0.400 Differential (Down-Up 0.129 0.084 0.063
15:35 16:35 8:10 9:35 10:40 12:10 13:30	Upwind Downwind Downwind Downwind Downwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind	0.014 0.377 0.013 0.403 0.413 0.413 Average 0.004 0.133 0.004 0.004 0.008 0.004 0.004 0.004 0.004 0.004 0.004	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025 27.2 0.025 27.2 0.034 27.2 0.034 27.2 0.112 27.2 0.113	0.390 0.400 Differential (Down-Up 0.129 0.084 0.063 0.045 0.038
15:35 16:35 8:10 9:35 10:40 12:10	Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind	0.014 0.377 0.013 0.403 0.413 Average 0.004 0.133 0.004 0.088 0.004 0.088 0.004 0.067 0.004 0.049 0.004 0.042	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025 27.2 0.025 27.2 0.034 27.2 0.034 27.2 0.112 27.2 0.113 27.2	0.390 0.400 Differential (Down-Up 0.129 0.084 0.063 0.045
15:35 16:35 8:10 9:35 10:40 12:10 13:30 14:35	Upwind Downwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.014 0.377 0.013 0.403 0.413 Average 0.004 0.133 0.004 0.088 0.004 0.067 0.004 0.049 0.004 0.004 0.004 0.004 0.004 0.004 0.004	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002	3.66 47.8 3.66 47.8 3.66 76.4 Maximum 0.025 27.2 0.025 27.2 0.025 27.2 0.034 27.2 0.112 27.2 0.113 27.2 0.113	0.390 0.400 Differential (Down-Up 0.129 0.084 0.063 0.045 0.038 0.035
15:35 16:35 8:10 9:35 10:40 12:10 13:30	Upwind Downwind Downwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.014 0.377 0.013 0.403 0.013 0.413 Average 0.004 0.133 0.004 0.088 0.004 0.088 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.003 0.003	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	3.66 47.8 3.66 47.8 3.66 76.4	0.390 0.400 Differential (Down-Up 0.129 0.084 0.063 0.045 0.038
15:35 16:35 8:10 9:35 10:40 12:10 13:30 14:35	Upwind Downwind Downwind Downwind Downwind Downwind Upwind Upwind Upwind Downwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind Upwind	0.014 0.377 0.013 0.403 0.413 0.413 Average 0.004 0.133 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.003 0.005	0.000 0.000 0.000 0.000 0.000 March 27, 2012 Minimum 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001 0.002 0.001	3.66 47.8 3.66 47.8 3.66 76.4	0.390 0.400 Differential (Down-Up 0.129 0.084 0.063 0.045 0.038 0.035

	.		March 28, 2012	•	
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:10	Upwind	0.008	0.005	0.070	0.001
	Downwind	0.009	0.004	1.83	
9:40	Upwind	0.007	0.004	0.070	0.002
40.55	Downwind	0.009	0.003	1.83 0.070	
10:50	Upwind Downwind	0.009	0.004	1.83	0.002
42.00	Upwind	0.003	0.003	0.070	
12:00	Downwind	0.009	0.003	1.83	0.002
42.45	Upwind	0.008	0.004	0.166	
13:15 14:30	Downwind	0.010	0.003	1.83	0.002
	Upwind	0.008	0.004	0.166	0.002
	Downwind	0.011	0.003	1.83	0.003
15:45	Upwind	0.008	0.004	0.166	0.003
15:45	Downwind	0.011	0.003	1.83	0.005
16:45	Upwind	0.008	0.004	0.166	0.003
	Downwind	0.011	0.003	1.83	0.005
			March 29, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:15	Upwind	0.011	0.007	0.016	0.003
	Downwind	0.014	0.007	0.229	
10:00	Upwind	0.009	0.006	0.087	0.003
	Downwind	0.012	0.006	0.449	
11:15	Upwind	0.009	0.006	0.087	0.004
	Downwind Upwind	0.013	0.006	0.449	
12:30	· · · ·	0.010	0.006	0.087	0.003
	Downwind	0.013	0.006	0.449	
13:30	Upwind	0.010	0.006	0.087	0.003
	Downwind	0.013		0.449	
14:45	Upwind	0.010	0.006	0.087	0.003
	Downwind				
15:45	Upwind Downwind	0.009	0.006	0.087	0.004
		0.013	0.006	0.449	
16:45	Upwind	0.009	0.006	0.087	0.004
16:45			0.006		0.004
16:45	Upwind Downwind	0.009 0.013	0.006 0.006 April 2, 2012	0.087 0.449	
	Upwind Downwind Dust Tract	0.009 0.013 Average	0.006 0.006 April 2, 2012 Minimum	0.087 0.449 Maximum	Differential (Down-Up)
16:45 8:15	Upwind Downwind	0.009 0.013 Average 0.010	0.006 0.006 April 2, 2012 Minimum 0.004	0.087 0.449 Maximum 0.075	
8:15	Upwind Downwind Dust Tract Upwind	0.009 0.013 Average	0.006 0.006 April 2, 2012 Minimum	0.087 0.449 Maximum	Differential (Down-Up) 0.002
	Upwind Downwind Dust Tract Upwind Downwind	0.009 0.013 Average 0.010 0.008	0.006 0.006 April 2, 2012 Minimum 0.004 0.003	0.087 0.449 Maximum 0.075 0.200	Differential (Down-Up)
8:15 9:30	Upwind Downwind Dust Tract Upwind Downwind Upwind	0.009 0.013 Average 0.010 0.008 0.006	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000	0.087 0.449 Maximum 0.075 0.200 0.075	Differential (Down-Up) -0.002 -0.001
8:15	Upwind Downwind Dust Tract Upwind Downwind Upwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200	Differential (Down-Up) 0.002
8:15 9:30 11:10	Upwind Downwind Uust Tract Upwind Downwind Upwind Downwind Upwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.005 0.004	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075	Differential (Down-Up) -0.002 -0.001 0.001
8:15 9:30	Upwind Downwind Dust Tract Upwind Downwind Downwind Upwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413	Differential (Down-Up -0.002 -0.001
8:15 9:30 11:10 12:40	Upwind Downwind Uust Tract Upwind Downwind Upwind Upwind Downwind Upwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075	Differential (Down-Up) -0.002 -0.001 0.001 0.001
8:15 9:30 11:10	Upwind Downwind Uust Tract Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573	Differential (Down-Up) -0.002 -0.001 0.001
8:15 9:30 11:10 12:40 13:45	Upwind Downwind Upwind Dust Tract Upwind Downwind Upwind Downwind Upwind Downwind Upwind Upwind Upwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075	Differential (Down-Up) -0.002 -0.001 0.001 0.001 0.002
8:15 9:30 11:10 12:40	Upwind Downwind U Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.087 0.449 0.075 0.200 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82	Differential (Down-Up) -0.002 -0.001 0.001 0.001
8:15 9:30 11:10 12:40 13:45 15:15	Upwind Downwind Upwind Dust Tract Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004	0.006 0.006 April 2, 2012 Minimum 0.004 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012	Differential (Down-Up) -0.002 -0.001 0.001 0.001 0.002 0.002
8:15 9:30 11:10 12:40 13:45	Upwind Downwind U Upwind Downwind Upwind Upwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 5.17	Differential (Down-Up) -0.002 -0.001 0.001 0.001 0.002
8:15 9:30 11:10 12:40 13:45 15:15	Upwind Downwind J Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.006 0.004 0.008 0.004 0.008	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000000	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73	Differential (Down-Up) -0.002 -0.001 0.001 0.001 0.002 0.004 0.008
8:15 9:30 11:10 12:40 13:45 15:15	Upwind Downwind U Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.008 0.004 0.002 0.004 0.002 0.004 0.002 0.002 0.004 0.002 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.004 0.004 0.002 0.004 0.00	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.002 0.004 0.008
8:15 9:30 11:10 12:40 13:45 15:15	Upwind Downwind U Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.004 0.008 0.004 0.008 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.005 0.004 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.00	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.002 0.004 0.008
8:15 9:30 11:10 12:40 13:45 15:15 16:45	Upwind Downwind U Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.012 Average 0.007 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003 0.002	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.072	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.002 0.004 0.008
8:15 9:30 11:10 12:40 13:45 15:15 16:45	Upwind Downwind J Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.006 0.004 0.008 0.004 0.002 0.004 0.012 Xverage 0.007 0.005 0.005 0.006	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003 0.002	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.072 0.672	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.002 0.004 0.008
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15	Upwind Downwind U Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.008 0.004 0.012 Average 0.007 0.005 0.006 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003 0.002 0.002	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.072 0.672 2.58	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 Differential (Down-Up -0.002
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.002 0.004 0.002 0.007 0.005 0.006	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003 0.002 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.072 0.672 2.58 0.672	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 Differential (Down-Up -0.002
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45	Upwind Downwind U Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Upwind Downwi	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.002 Verage 0.007 0.005 0.007 0.005 0.007 0.005 0.007 0.006 0.007	0.006 0.006 April 2, 2012 Minimum 0.004 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003 0.002 0.002 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.072 0.672 2.58 0.672 2.58	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 UDifferential (Down-Up -0.002 0.001
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45	Upwind Downwind U Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.009 0.013 Average 0.010 0.008 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.006 0.004 0.008 0.004 0.002 Verage 0.007 0.005 0.006 0.007 0.006 0.006 0.008 0.008 0.008	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.001 0.001 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.012 7.73 Maximum 0.117 0.072 0.672 2.58 0.672	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 UDifferential (Down-Up -0.002 0.001
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45 9:45 11:00	Upwind Downwind U Upwind Downwind Downwind Upwind Downwind Downwind Downwind Upwind Downwind Downwind Downwind Downwind	0.009 0.013 Average 0.010 0.008 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.008 0.004 0.002 0.007 0.005 0.006 0.007 0.005 0.007	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.001 0.001 0.001 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.072 0.672 2.58 0.672 2.58	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 Differential (Down-Up -0.002 0.001 0.001
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45 9:45 11:00	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwi	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.002 0.007 0.005 0.007 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.001 0.001 0.001 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.012 7.73 Maximum 0.117 0.072 0.672 2.58 0.672 2.58 0.672	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 Differential (Down-Up -0.002 0.001 0.001
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45 11:00 12:30	Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Downwind Upwind Downwind Upwind Downwind Do	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.008 0.004 0.002 0.005 0.007 0.005 0.007 0.005 0.007 0.005 0.005 0.008	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.072 0.672 2.58 0.672 2.58 0.672 2.58	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 UDifferential (Down-Up -0.002 0.001 0.001 0.002
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45 11:00 12:30	Upwind Downwind Downwind Downwi	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.0012 Average 0.007 0.005 0.006 0.005 0.005 0.005 0.005 0.008 0.005 0.008 0.005	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003 0.002 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.012 7.73 Maximum 0.117 0.072 0.672 2.58 0.672 2.58 0.672 2.58 0.672	Differential (Down-Up -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 UDifferential (Down-Up -0.002 0.001 0.001 0.002
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45 11:00 12:30 13:45	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Do	0.009 0.013 Average 0.010 0.008 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.008 0.004 0.007 0.005 0.006 0.007 0.005 0.007 0.005 0.007 0.005 0.007 0.005 0.007 0.005 0.007	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003 0.002 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.012 7.73 Maximum 0.117 0.072 2.58 0.672 2.58 0.672 2.58 0.672 2.58	Differential (Down-Up) -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 Differential (Down-Up) -0.002 0.001 0.001 0.002 0.002 0.002
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45 11:00 12:30 13:45	Upwind Downwind Downwind Upwind Downwi	0.009 0.013 Average 0.010 0.008 0.006 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.005 0.007 0.005 0.006 0.007 0.005 0.007 0.005 0.007 0.005 0.007	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.012 7.73 Maximum 0.117 0.072 0.672 2.58 0.672 2.58 0.672 2.58 0.672 2.58 0.672 2.58 0.672 2.58 0.672 2.58 0.672 2.58	Differential (Down-Up) -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 Differential (Down-Up) -0.002 0.001 0.001 0.002 0.002 0.002
8:15 9:30 11:10 12:40 13:45 15:15 16:45 8:15 9:45 11:00 12:30 13:45 15:00	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind Do	0.009 0.013 Average 0.010 0.008 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.006 0.004 0.008 0.004 0.008 0.004 0.008 0.004 0.007 0.005 0.006 0.007 0.005 0.007 0.005 0.007 0.005 0.007 0.005 0.007 0.005 0.007	0.006 0.006 April 2, 2012 Minimum 0.004 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 April 3, 2012 Minimum 0.003 0.002 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0.087 0.449 Maximum 0.075 0.200 0.075 0.200 0.075 0.413 0.075 0.573 0.075 1.82 0.075 1.82 0.075 5.17 0.012 7.73 Maximum 0.117 0.012 7.73 Maximum 0.117 0.072 2.58 0.672 2.58 0.672 2.58 0.672 2.58	Differential (Down-Up) -0.002 -0.001 0.001 0.001 0.002 0.004 0.008 - Differential (Down-Up) -0.002 0.001 0.002 0.002 0.002 0.003 0.003

Table 5 Summary of Dust Monitoring 430 Boston Post Road Wayland, Massachusetts

			April 4, 2012		-
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:15	Upwind	0.011	0.005	0.180	0.001
	Downwind	0.012	0.004	0.139	
9:15	Upwind	0.010	0.004	0.180	0.000
	Downwind	0.010	0.003	0.139	
10:45	Upwind Downwind	0.010	0.004	0.339	-0.001
	Upwind	0.009	0.002	0.360 0.339	
12:15	Downwind	0.009	0.004	1.13	0.001
	Upwind	0.010	0.002	0.339	
13:30	Downwind	0.010	0.004	11.4	0.012
	Upwind	0.011	0.002	0.377	
14:45	Downwind	0.024	0.002	11.4	0.013
	Upwind	0.013	0.002	2.05	
15:45	Downwind	0.026	0.002	11.4	0.013
46.45	Upwind	0.012	0.003	2.05	0.010
16:45	Downwind	0.025	0.002	11.4	0.013
			April 5, 2012		•
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:40	Upwind	0.003	0.000	0.074	0.000
8.40	Downwind	0.003	0.000	0.119	0.000
10:00	Upwind	0.002	0.000	0.074	0.001
10.00	Downwind	0.003	0.000	0.366	5.001
11:15	Upwind	0.002	0.000	0.074	0.002
11110	Downwind	0.004	0.000	0.366	0.002
12:15	Upwind	0.002	0.000	0.488	0.001
	Downwind	0.003	0.000	0.366	
13:30	Upwind	0.002	0.000	0.488	0.001
	Downwind	0.003	0.000	0.479	
14:45	Upwind	0.003	0.000	0.488	0.001
	Downwind	0.004	0.000	3.68	
15:50	Upwind	0.003	0.000	0.488	0.001
	Downwind	0.004	0.000	3.68	
16:45	Upwind	0.003	0.000	0.488	0.001
	Downwind	0.004	0.000 April 9, 2012	3.68	
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
	Upwind	0.005	0.003	0.024	
8:15	Downwind	0.012	0.003	3.24	0.007
	Upwind	0.005	0.002	0.326	
9:45	Downwind	0.011	0.002	3.24	0.006
	Upwind	0.005	0.002	0.326	
12:15	Downwind	0.012	0.002	3.24	0.007
42.45	Upwind	0.006	0.002	0.326	0.007
13:45	Downwind	0.013	0.002	3.24	0.007
4.4.45	Upwind	0.006	0.002	0.326	0.010
14:45	Downwind	0.016	0.002	3.24	0.010
			April 10, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30	Upwind	0.009	0.005	0.155	0.001
0.50	Downwind	0.010	0.004	0.851	0.001
10:00	Upwind	0.009	0.005	0.155	0.002
10.00	Downwind	0.011	0.003	0.851	0.002
11:30	Upwind	0.007	0.005	0.155	0.003
	Downwind	0.010	0.003	0.851	5.005
12:45	Upwind	0.008	0.005	0.155	0.003
	Downwind	0.011	0.003	1.40	5.005
13:45	Upwind	0.008	0.005	0.155	0.006
	Downwind	0.014	0.003	3.60	
14:45	Upwind	0.008	0.005	0.155	0.006
	Downwind	0.014	0.003	3.60	
	- I I		April 11, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30	Upwind	0.028	0.004	0.719	-0.017
	Downwind	0.011	0.004	0.379	
10:00	Upwind	0.016	0.002	0.719	-0.007
	Downwind	0.009	0.002	0.483	+
12:00	Upwind	0.012	0.002	0.719	-0.004
	Downwind	0.008	0.002	0.483	
13:30	Upwind	0.013	0.002	0.719	-0.004
	Downwind	0.009	0.002	0.787	+
14.45					
14:45	Upwind Downwind	0.013	0.002	0.719 0.787	-0.004

Table 5 Summary of Dust Monitoring 430 Boston Post Road Wayland, Massachusetts

			April 12, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30 9:45	Upwind	0.004	0.002	0.014	0.003
	Downwind	0.007	0.003	0.312	
	Upwind	0.004	0.002	0.014	0.002
11:15	Downwind	0.006	0.002	0.312	
	Upwind Downwind	0.004	0.002	0.090 2.33	0.004
	Upwind	0.004	0.002	0.090	
12:35	Downwind	0.008	0.002	2.33	0.004
10.15	Upwind	0.004	0.001	0.090	0.004
13:45	Downwind	0.008	0.001	2.33	0.004
14:45	Upwind	0.004	0.001	0.090	0.004
14.45	Downwind	0.008	0.001	2.33	0.004
	- I - I		April 13, 2012		I
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:20	Upwind	0.008	0.006	0.028	0.001
	Downwind Upwind	0.009	0.004	1.51 0.028	
9:50	Downwind	0.007	0.004	1.51	0.004
	Upwind	0.006	0.004	0.028	
11:15	Downwind	0.012	0.003	1.90	0.006
42.00	Upwind	0.006	0.003	0.028	0.007
13:00	Downwind	0.013	0.003	3.11	0.007
14:40	Upwind	0.006	0.003	0.028	0.008
14:40	Downwind	0.014	0.003	3.11	0.008
			April 16, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30	Upwind	0.033	0.023	0.557	0.012
	Downwind	0.045	0.029	1.78	
10:00	Upwind	0.036	0.023	0.557	0.008
	Downwind	0.044	0.029	1.78	
12:15	Upwind Downwind	0.035	0.023	0.557	0.013
	Upwind	0.048	0.023	0.557	
13:30	Downwind	0.033	0.023	2.42	0.012
	Upwind	0.033	0.021	0.557	
14:45	Downwind	0.047	0.017	5.45	0.014
			April 17, 2012		•
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up)
8:30	Upwind	0.031	0.009	0.211	0.021
	Downwind	0.052	0.008	5.21	
10:00	Upwind	0.021	0.007	0.211	0.026
	Downwind	0.047	0.006	6.37	
11:30	Upwind	0.017	0.007	0.211	0.029
	Downwind Upwind	0.046	0.004 0.007	6.37 0.211	
13:30	Downwind	0.014	0.007	15.4	0.032
	Upwind	0.014	0.004	0.211	
14:45	Downwind	0.047	0.004	25.1	0.033
		0.017			
			April 18, 2012		<u>.</u>
	Dust Tract	Average	April 18, 2012 Minimum	Maximum	Differential (Down-Up)
8.20	Dust Tract Upwind	Average 0.002		Maximum 0.103	
8:20	Upwind Downwind	0.002	Minimum 0.001 0.000	0.103 5.75	Differential (Down-Up) 0.018
8:20 9:40	Upwind Downwind Upwind	0.002 0.020 0.003	Minimum 0.001 0.000 0.001	0.103 5.75 0.103	
	Upwind Downwind Upwind Downwind	0.002 0.020 0.003 0.016	Minimum 0.001 0.000 0.001 0.001 0.000	0.103 5.75 0.103 5.75	0.018
	Upwind Downwind Upwind Downwind Upwind	0.002 0.020 0.003 0.016 0.003	Minimum 0.001 0.000 0.001 0.000 0.000	0.103 5.75 0.103 5.75 0.103	0.018
9:40	Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.020 0.003 0.016 0.003 0.013	Minimum 0.001 0.000 0.001 0.000 0.001 0.000	0.103 5.75 0.103 5.75 0.103 5.75	0.018
9:40	Upwind Downwind Upwind Downwind Upwind Downwind Upwind	0.002 0.020 0.003 0.016 0.003 0.013 0.003	Minimum 0.001 0.000 0.001 0.000 0.001 0.000 0.000	0.103 5.75 0.103 5.75 0.103 5.75 0.103 5.75	0.018
9:40 11:20 12:40	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.020 0.003 0.016 0.003 0.013 0.003 0.013	Minimum 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000	0.103 5.75 0.103 5.75 0.103 5.75 0.105 5.75	0.018 0.013 0.010 0.010
9:40 11:20	Upwind Downwind Upwind Upwind Downwind Upwind Downwind Upwind Upwind	0.002 0.020 0.003 0.016 0.003 0.013 0.003 0.013 0.003 0.013	Minimum 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001	0.103 5.75 0.103 5.75 0.103 5.75 0.103 5.75 0.105 5.75 0.012	0.018
9:40 11:20 12:40	Upwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.020 0.003 0.016 0.003 0.013 0.003 0.013	Minimum 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.001 0.000	0.103 5.75 0.103 5.75 0.103 5.75 0.105 5.75	0.018 0.013 0.010 0.010
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9:40 11:20 12:40 14:45	Upwind Downwind Downwind Upwind Downwind Upwind Downwind Upwind Downwind	0.002 0.020 0.003 0.016 0.003 0.013 0.003 0.013 0.003 0.013	Minimum 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 May 2, 2012	0.103 5.75 0.103 5.75 0.103 5.75 0.103 5.75 0.105 5.75 0.012 5.75	0.018 0.013 0.010 0.010 0.008 Differential (Down-Up)
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9:40 11:20 12:40 14:45 8:20	Upwind Downwind Downwind Upwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind	0.002 0.020 0.003 0.016 0.003 0.013 0.003 0.013 0.004 0.012 Average 0.002	Minimum 0.001 0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.000 0.001 0.000 0.001 0.000 Minimum 0.001	0.103 5.75 0.103 5.75 0.103 5.75 0.105 5.75 0.012 5.75 0.012 5.75 Maximum 0.103	0.018 0.013 0.010 0.010 0.010 0.008 Differential (Down-Up) 0.018
9:40 11:20 12:40 14:45	Upwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind Downwind Downwind Downwind Downwind Downwind Downwind	0.002 0.020 0.003 0.016 0.003 0.013 0.003 0.013 0.004 0.012 Average 0.002 0.020	Minimum 0.001 0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.000 Minimum 0.001 0.001	0.103 5.75 0.103 5.75 0.103 5.75 0.105 5.75 0.012 5.75 Maximum 0.103 5.75	0.018 0.013 0.010 0.010 0.008 Differential (Down-Up)
9:40 11:20 12:40 14:45 8:20 9:40	Upwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Downwind Upwind Downwind Upwind	0.002 0.020 0.003 0.016 0.003 0.013 0.003 0.013 0.004 0.012 Average 0.002 0.020 0.003	Minimum 0.001 0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.000 0.001	0.103 5.75 0.103 5.75 0.103 5.75 0.105 5.75 0.012 5.75 Maximum 0.103 5.75 0.103	0.018 0.013 0.010 0.010 0.008 Differential (Down-Up) 0.018 0.013
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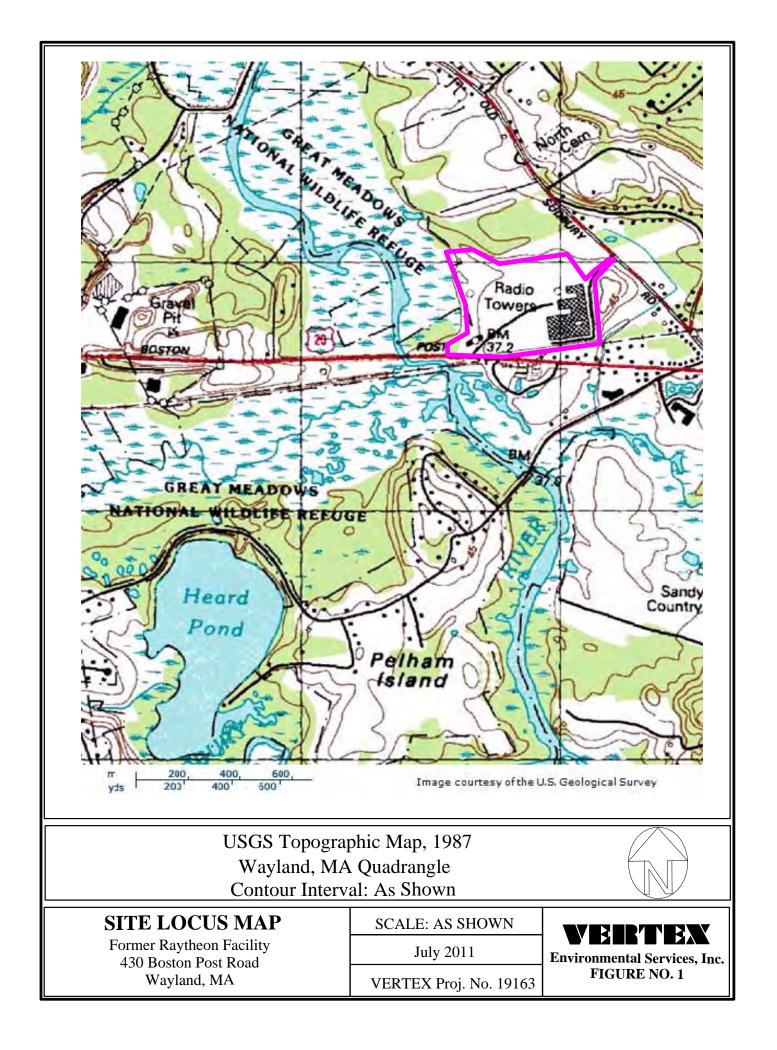
Table 5 Summary of Dust Monitoring 430 Boston Post Road Wayland, Massachusetts

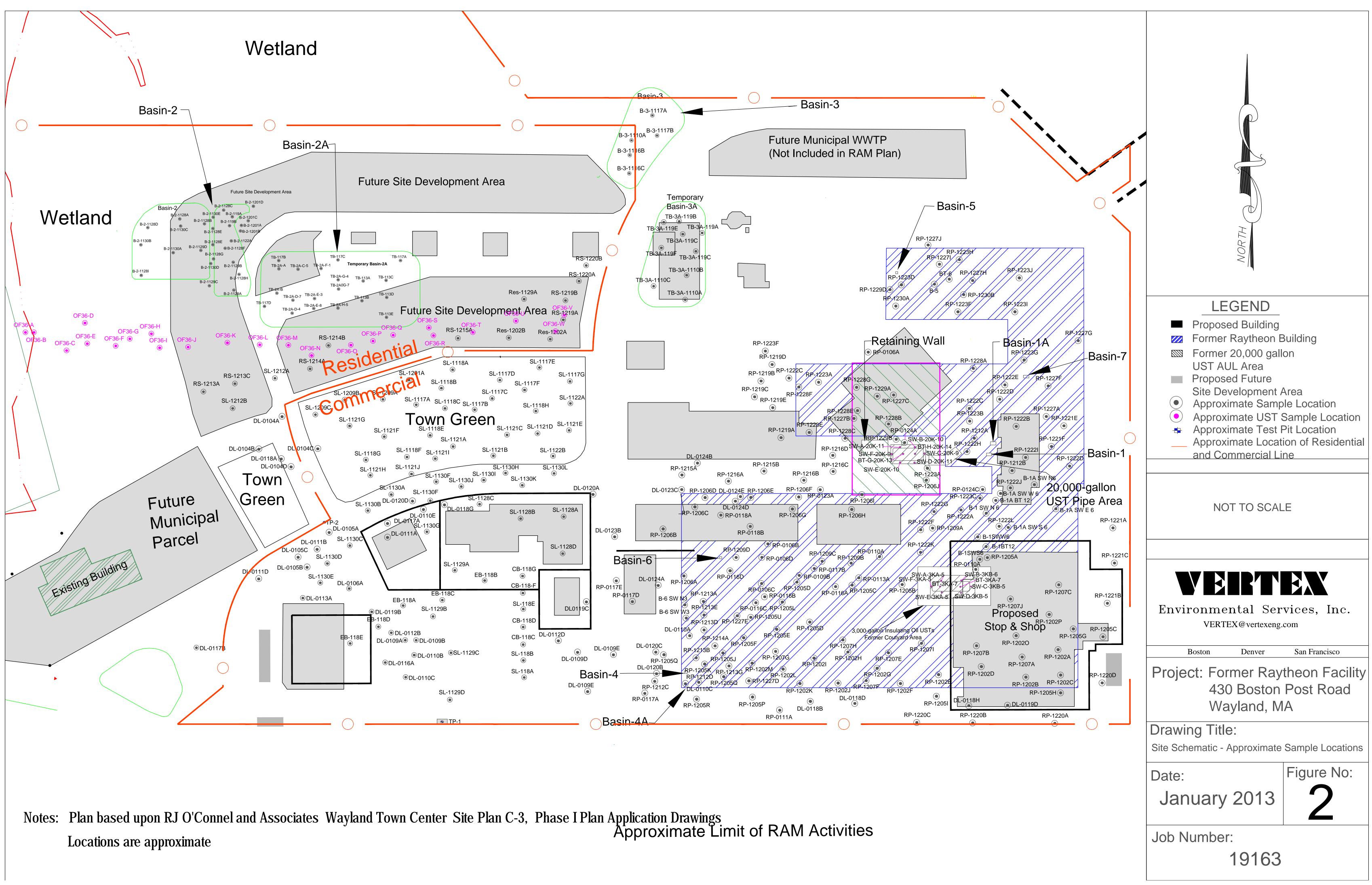
	- I I		June 4, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:20	Upwind	0.026	0.000	5.73	-0.008
	Downwind	0.018	0.000	2.02	
9:40	Upwind	0.035	0.000	10.80	-0.019
	Downwind	0.016	0.000	2.02 10.80	
10:25	Upwind Downwind	0.038	0.000	2.02	-0.023
	Upwind	0.015	0.000	10.80	
11:30	Downwind	0.034	0.000	2.02	-0.021
	Upwind	0.013	0.000	10.80	
12:00	Downwind	0.034	0.000	2.02	-0.021
	Upwind	0.032	0.000	10.80	
13:30	Downwind	0.012	0.000	2.02	-0.020
	Downwind	0.012	June 5, 2012	2.02	
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
	Upwind	0.004	0.000	0.154	
8:20	Downwind	0.018	0.002	0.657	0.014
	Upwind	0.006	0.000	0.154	
9:20	Downwind	0.014	0.002	0.657	0.008
	Upwind	0.010	0.000	0.608	
10:30	Downwind	0.015	0.002	0.677	0.005
	Upwind	0.013	0.002	0.608	
11:30	Downwind	0.010	0.002	1.310	0.004
	Upwind	0.014	0.002	0.608	
12:30	Downwind	0.010	0.000		0.003
				1.310	+
13:30	Upwind	0.013	0.000	1.690	-0.001
	Downwind	0.012	0.002	1.560	
14:30	Upwind Downwind	0.024	0.000	10.200	-0.013
	Downwind	0.011		1.560	
	Durat Treat	A	June 5, 2012	Marian	Differential (David L)
	Dust Tract	Average	Minimum	Maximum	Differential (Down-Up
8:05	Upwind	0.010	0.005	0.449	-0.002
	Downwind	0.008	0.005	0.015	
9:05	Upwind	0.010	0.005	0.449	-0.001
	Downwind	0.009	0.005	0.089	
10:00	Upwind	0.009	0.005	0.449	0.004
	Downwind	0.013	0.005	1.230	
11:00	Upwind	0.009	0.005	0.449	0.034
	Downwind	0.043	0.005	11.500	
12:10	Upwind	0.009	0.004	0.449	0.026
	Downwind	0.035	0.005	11.500	
13:30	Upwind	0.009	0.004	0.449	0.026
19:50	Downwind	0.035	0.005	11.500	0.020
14:30	Upwind	0.009	0.004	0.449	
14.50	Downwind				
			December 4, 2012		
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
7:30	Upwind	0.041	0.039	0.049	-0.015
7.30	Downwind	0.026	0.020	0.086	-0.015
8:30	Upwind	0.043	0.039	0.059	-0.014
0.30	Downwind	0.029	0.020	0.334	-0.014
0.20	Upwind	0.051	0.039	0.170	-0.019
9:30	Downwind	0.032	0.020	0.334	-0.019
10.20	Upwind	0.060	0.039	0.967	0.022
10:30	Downwind	0.038	0.020	1.02	-0.022
44.22	Upwind	0.065	0.039	0.967	0.000
11:30	Downwind	0.045	0.020	4.14	-0.020
42.00	Upwind	0.066	0.039	0.967	
12:30	Downwind	0.048	0.020	4.14	-0.018
	<u> </u>		December 5, 2012		1
	Dust Tract	Average	Minimum	Maximum	Differential (Down-U
7.40	Upwind	0.021	0.019	0.029	
7:40	Downwind	0.005	0.002	0.117	-0.016
	Upwind	0.019	0.018	0.029	
8:40	Downwind	0.006	0.001	5.59	-0.013
	Upwind	0.020	0.018	0.029	
9:40	Downwind	0.050	0.001	5.59	0.030
	Upwind	0.030	0.018	0.036	1
10:40	Downwind	0.020	0.001	5.59	-0.015
	Upwind	0.005		0.036	1
11:40			0.018		-0.015
	Downwind	0.006	0.001	5.59	+
12:40	Upwind	0.021	0.018	0.038	-0.015
	Downwind	0.006	0.001	5.59	
13:40	Upwind	0.021	0.018	0.117	-0.014
	Downwind	0.007	0.001	5.59	
	Upwind	0.022	0.018	0.117	-0.015
14:40	Downwind		0.001	5.59	

Figures

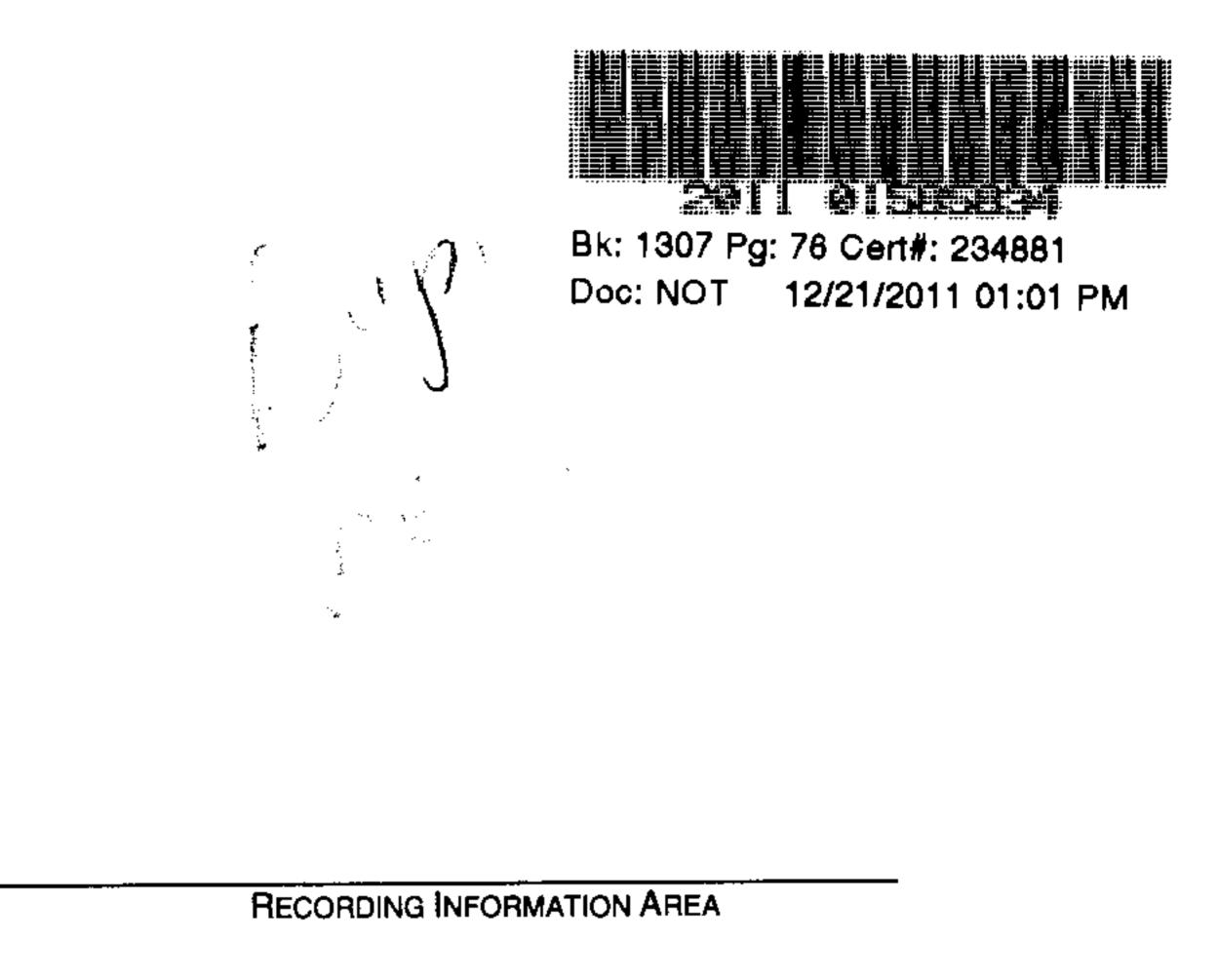
Figure 1: Site Locus

Figure 2: Site Schematic





Appendix A: Notice of Activity and Use Limitation



Form 1075

NOTICE OF ACTIVITY AND USE LIMITATION M.G.L. c. 21E, § 6 and 310 CMR 40.0000

Disposal Site Name: Former Raytheon Facility, 430 Boston Post Road, Wayland, MA DEP Release Tracking Nos.: 3-13302 & 3-22408

This Notice of Activity and Use Limitation ("Notice") is made as of this 21^{57} day of <u>DECEPTER</u> 2011, by Twenty Wayland, LLC, a Massachusetts limited liability company, with an address care of KGI Properties, LLC, 10 Memorial Blvd, Ste 901, Providence, RI 02903, and Wayland Town Center LLC, a Delaware limited liability company, with an address care of KGI Properties, LLC, 10 Memorial Blvd., Suite 901, Providence, RI 02903, together with their successors and assigns (collectively "Owner").

WITNESSETH:

WHEREAS, Twenty Wayland, LLC and Wayland Town Center LLC collectively are the owners in fee simple of that certain parcel of land located at 400-440 Boston Post Road in Wayland, Middlesex County, Massachusetts, with the buildings and improvements thereon ("Property") pursuant to a deed to Twenty Wayland, LLC recorded with the Middlesex County (South) Registry of Deeds in Book 45981, Page 177 and filed with the Middlesex County (South) Registry District of the Land Court as Document No. 1386382 (see Certificate of Title No. 234881), and a deed of a portion of said land by Twenty Wayland, LLC to Twenty Wayland Commercial LLC recorded with the Middlesex County (South) Registry of Deeds in Book 57767, Page 545, and a subsequent deed of such portion of said land from Twenty Wayland Commercial LLC to Wayland Town Center LLC recorded with the Middlesex County (South) Registry of Deeds in Book 57767, Page 545, and a subsequent deed of such portion of said land from Twenty Wayland Commercial LLC to Wayland Town Center LLC recorded with the Middlesex County (South) Registry of Deeds in Book 57767, Page 545, and a subsequent deed of such portion of said land from Twenty Wayland Commercial LLC to Wayland Town Center LLC recorded with the Middlesex County (South) Registry of Deeds in Book 57767, Page 545, and a subsequent deed of such portion of said land from Twenty Wayland Commercial LLC to Wayland Town Center LLC recorded with the Middlesex County (South) Registry of Deeds in Book 57767, Page 547.

WHEREAS, the Property is more particularly bounded and described in <u>Exhibit A</u>, attached hereto and made a part hereof. The Property is shown on a sketch plan attached hereto (titled, "<u>Exhibit A</u>: Sketch Plan") and filed herewith for registration with the

234881-1307-76

Middlesex County (South) Registry District of the Land Court and recorded herewith with the Middlesex County (South) Registry of Deeds.

WHEREAS, a portion of the Property is subject to this Notice of Activity and Use Limitation ("Portion of the Property"). The Portion of the Property is more particularly bounded and described in Exhibit A-1, attached hereto and made a part hereof. The Portion of the Property is shown on a plan recorded with the Middlesex County (South) Registry of Deeds in Plan Book 201, Plan 200, and on a sketch plan attached hereto (titled, "Exhibit A-1: Sketch Plan") and filed herewith for registration and recorded herewith.

WHEREAS, the Property comprises part of a disposal site as the result of a release of oil and/or hazardous material. <u>Exhibit B</u> is a sketch plan showing the relationship of the Portion of the Property subject to this Notice of Activity and Use Limitation to the boundaries of said disposal site existing within the limits of the Property and to the extent such boundaries have been established. <u>Exhibit B</u> is attached hereto and made a part hereof.

NOW, THEREFORE, notice is hereby given that the activity and use limitations set forth in said AUL Opinion are as follows:

1. <u>Activities and Uses Consistent with the AUL Opinion</u>. The AUL Opinion provides that a condition of No Significant Risk to health, safety, public welfare or the environment exists for any foreseeable period of time (pursuant to 310 CMR 40.0000) so long as any of the following activities and uses occur on the

Portion of the Property:

- (i) The Portion of the Property may be used for passive recreation;
- (ii) The Portion of the Property may be used for commercial/industrial uses;
- (iii) Such other activities or uses which, in the opinion of an LSP, shall present no greater risk of harm to health, safety, public welfare or the environment than the activities and uses set forth in this Paragraph; and

(iv) Such other activities and uses consistent with those set forth in this

Paragraph and not expressly prohibited by this Notice.

- 2. <u>Activities and Uses Inconsistent with the AUL Opinion</u>. Activities and uses which are inconsistent with the objectives of this Notice of Activity and Use Limitation, and which, if implemented at the Portion of the Property, may result in a significant risk of harm to health, safety, public welfare or the environment or in a substantial hazard, are as follows:
 - (i) Residential, with the exception of up to 12 units on the second floor of a building located in the "Building 2F Building Envelope," as shown on Exhibit D, so long as there is an appropriate sub-slab vapor barrier installed;

(ii) Childcare, daycare, agricultural, horticultural, or gardening, unless

- previously approved by the LSP in accordance with the obligations and conditions set forth in the AUL Opinion;
- (iii) Groundwater withdrawal or use except for assessment or remedial purposes;
- (iv) Septic systems unless previously approved by the LSP in accordance with the obligations and conditions set forth in the AUL Opinion;
- (v) Other activities or uses that, in the opinion of the LSP, would likely result in significant risk from exposures to oil and/or hazardous material if such activities or uses were to take place on the Portion of the Property.
- 3. <u>Obligations and Conditions Set Forth in the AUL Opinion</u>. If applicable, obligations and/or conditions to be undertaken and/or maintained at the Portion of the Property to maintain a condition of No Significant Risk as set forth in the AUL Opinion shall include the following:
 - (i) Certification in the form of documentation bearing the original signature, date and Seal of the LSP must be obtained by the Owner prior to implementation of the following activities and uses:
 - a) Expansion or relocation of existing buildings;
 - b) Use of the Portion of the Property for residential, childcare, daycare, recreational, agricultural, horticultural, or gardening activities, or for unrestricted public access;
 - c) Subsurface activities, including excavation or new construction below grade; and

- d) Land development or construction involving changes in surface conditions (i.e., topography, surface cover, etc.), including installation of pavement or building foundations;
- (ii) Parties conducting activities and uses described in Section 1 above, that, in the opinion of the LSP, may include disturbance of contaminated media, waste or debris, or that could render subsurface contaminated media, waste or debris accessible to exposure, shall submit, for approval by the LSP, a contingency plan for the management of contaminated media, waste or debris, if encountered, including:
 - a) Procedures for monitoring of contaminated media, waste or debris;
 - b) Procedures for notification to the LSP of the discovery of contaminated media, waste or debris;
 - c) A certification that all response actions will be conducted under the supervision of the LSP;
 - d) A soils management plan including contingencies for handling contaminated soil and/or groundwater if activities may extend below the water table;
 - e) A certification that response personnel will comply with applicable safety regulations, including 29 CFR 1910.120; and
 - f) A certification that contaminated waste, debris or media or remediation waste (pursuant to 310 CMR 40.0000) generated by such activities shall be handled, stored, transported and disposed in accordance with the applicable federal, state and local regulations;

- (iii) The responsible parties and their representatives shall be granted unrestricted access to the Property in order to conduct any and all activities associated with the performance of response actions as defined under the MCP, or any other applicable regulation;
- 4. <u>Proposed Changes in Activities and Uses</u>. Any proposed changes in activities and uses at the Property which may result in higher levels of exposure to oil and/or hazardous material than currently exist shall be evaluated by an LSP who shall render an opinion, in accordance with 310 CMR 40.1080 *et seq.*, as to whether the proposed changes will present a significant risk of harm to health, safety, public welfare or the environment. Any and all requirements set forth in

the opinion to meet the objective of this Notice shall be satisfied before any such activity or use is commenced.

5. <u>Violation of a Response Action Outcome</u>. The activities, uses and/or exposures upon which this Notice is based shall not change at any time to cause a significant risk of harm to health, safety, public welfare, or the environment or to create substantial hazards due to exposure to oil and/or hazardous material without the prior evaluation by an LSP in accordance with 310 CMR 40.1080 *et seq.*, and without additional response actions, if necessary, to achieve or maintain a condition of No Significant Risk or to eliminate substantial hazards.

If the activities, uses, and/or exposures upon which this Notice is based change without the prior evaluation and additional response actions determined to be necessary by an LSP in accordance with 310 CMR 40.1080 *et seq.*, the owner or operator of the Property subject to this Notice at the time that the activities, uses and/or exposures change, shall comply with the requirements set forth in 310 CMR 40.0020.

6. <u>Incorporation Into Deeds</u>, Mortgages, Leases, and Instruments of Transfer. This Notice shall be incorporated either in full or by reference into all future deeds, easements, mortgages, leases, licenses, occupancy agreements or any other instrument of transfer, whereby an interest in and/or a right to use the Property or a portion thereof is conveyed. All exhibits attached hereto are hereby incorporated herein by reference.

Owner hereby authorizes and consents to the filing and recordation and/or registration of this Notice, said Notice to become effective when executed under seal by the undersigned LSP, and recorded and/or registered with the appropriate Registry of Deeds and/or Land Registration Office.

[Remainder of page intentionally left blank; signature blocks follow on next page]

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WITNESS the execution hereof under seal this $\frac{2}{2}$ day of $\frac{2}{2}$, 2011.

Owner: TWENTY WAYLAND, LC By Anthony J. HeLuca, Manager and Authorized Signatory AYLAND TOWN CENTER LLC B Anthony J. DeLuca, Authorized Signatory ISLAND STATE OF IMU, ss.

day of M_{0} , 2011, before me, the undersigned, a Notary On this Public, personally appeared Anthony J. DeLuca, and proved to me through satisfactory 3 evidence of identification, which was a driver's license, to be the 3. $(\gamma \gamma)$ A. person whose name is signed on the preceding document, and acknowledged to me that he signed it voluntarily for its stated purpose, as Manager and Authorized Signatory of Twenty Wayland, LLC.

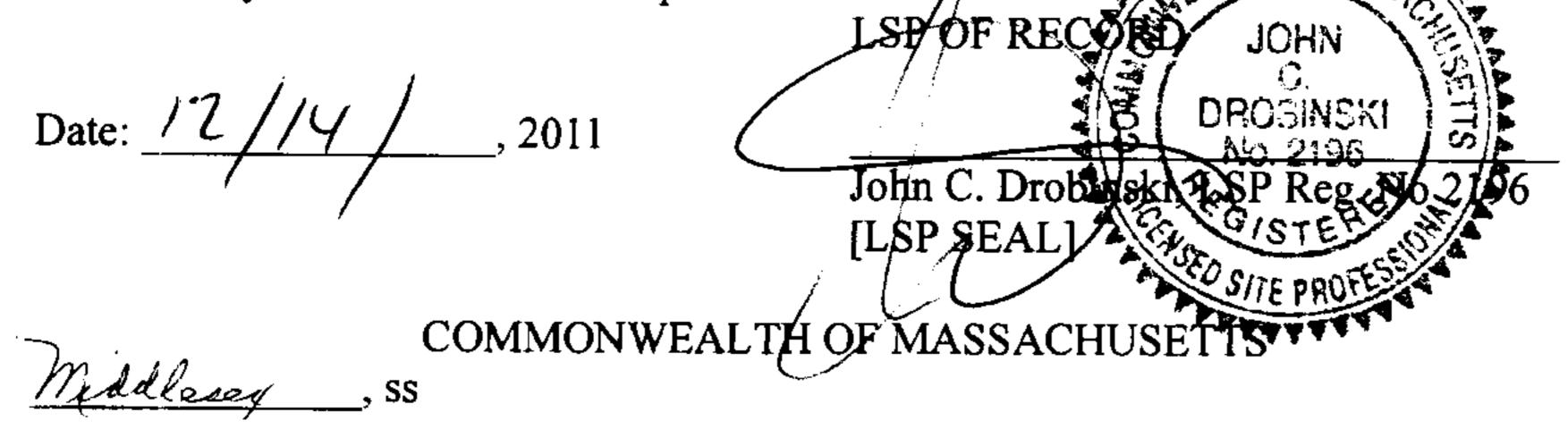
Notary Public: Scott Joseph Jumner My Commission Expires: [SEAL]

0

POVIDINGSS. STATE OF RHODE ISLAND

On this 3 day of 0
Notary Public: My Commission Expires: [SEAL]

The undersigned LSP hereby certifies that he executed the aforesaid Activity and Use Limitation Opinion attached hereto as <u>Exhibit C</u> and made a part hereof and that in his opinion this Notice of Activity and Use Limitation is consistent with the rectors set forth in said Activity and Use Limitation Opinion.



On this $\underline{/4}^{\text{ff}}$ day of $\underline{/2exemples}$, 2011, before me, the undersigned notary public, personally appeared John C. Drobinski, proved to me through satisfactory evidence of identification, which were <u>personally knewn</u>, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

mary a. ne Cornack

Notary Public: MARY A MCCORMACK My Commission Expires: <u>8/3/18</u> [SEAL]

Upon recording, return to: MARY A. MCCORMACK **Notary Public** RACIOMANN SAWLER & BREWSTER Commonwealth of Massachusetts 160 FEDERA STREET **My Commission Expires** BOSTAN MA. UZ-INC ATTN D.J. USSOFF August 3, 2018

EXHIBIT A

Description of the Property owned by Twenty Wayland, LLC

The following described land situated in Wayland, Middlesex County, Massachusetts, and bounded and described as follows:

Parcel One:

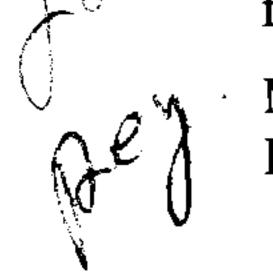
The land in said Wayland situated on the westerly side of Sudbury Road, being that parcel of land enclosed by lines and marked "A" on a plan by Rowland H. Barnes & Co., C.E.'s dated December, 1940 on file at the Engineers' Office for the Land Court in Boston, said plan being Plan #17983A, filed with Certificate #49312, Book 326, Page 97, in the South

Registry District for Middlesex County, said parcel being bounded and described as follows:

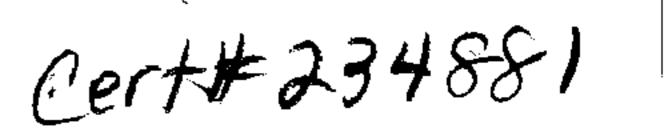
NORTHEASTERLY by the westerly side of Sudbury Road, 931.66 feet;

- SOUTHERLY by land formerly of Grace A. and Blanche E. Heard, 413.88 feet;
- EASTERLY by land formerly of said Heard, 162.99 feet;
- SOUTHERLY by land formerly of Wentzel, 1,017.69 feet;
- WESTERLY by land formerly of Wentzel, 211.30 feet;
- SOUTHERLY by land formerly of Wentzel, 622.50 feet;
 - by land of Mainstone Farm Trust, 328.00 feet;
 - again by land of said Trust, 842 plus or minus feet;
 - by Sudbury River; and

NORTHERLY by land now or formerly of Ruth N. Burbank, 2,185 plus or minus feet.



Meaning and intending to describe the remaining portion of parcel "A," being Lot 1 on Land Court Plan #17983G dated May 29, 2000, revised August, 2000.



Parcel Two

WESTERLY

SOUTHERLY

WESTERLY

A certain parcel of land shown as Lots "B" and "C" on a Plan of Land in Wayland-Mass., Scale 1" = 100', May 14, 1954, Albert A. Miller, Wilbur C. Nylander, Civil Engr's & Surveyors - Lexington, Mass., recorded with Middlesex South District Registry of Deeds as Plan #763 of 1954, Book 8256, Page 439 and together bounded as follows:

NORTHEASTERLY by Sudbury Road by two lines measuring together 429 and 54/100 feet;

SOUTHEASTERLY by land shown on said plan as Audrey A. and Natile K. Bill by the middle of a brook 403 and 75/100 feet;

NORTHEASTERLY by the same 250 and 49/100 feet;

SOUTHERLY by land or location of Boston & Maine Railroad as shown on said plan by six lines measuring together 2,064 and 94/100 feet and by State Highway (Route 20) 438 and 92/100 feet;

WESTERLY by land shown on said plan as Town of Wayland 48 and 53/100 feet;

SOUTHERLYby the same 117 and 21/100 feet;WESTERLYby land shown on said plan as Commonwealth of Massachusetts 1and 37/100 feet;

SOUTHERLY by the same 123 and 73/100 feet;

NORTHERLY by land shown on said plan as Mainstone Farm Trust 549 and 52/100 feet and by land formerly of Joseph H. Decatur by two lines measuring together 622 and 50/100 feet;

NORTHEASTERLY

and NORTHERLY by land formerly of Martin Cerel and David Yorks by eight lines shown on said plan as a stone wall measuring together 1,228 and 99/100 feet;

EASTERLY by land formerly of Blanche E. Heard and shown as "Parcel A" on said plan 20 and 00/100 feet;

NORTHERLY by the same 499 and 89/100 feet.

Parcel Three:

A certain parcel of land shown as Lot "A" on said Plan of Land in Wayland – Mass., Scale 1" = 100', May 14, 1954, Albert A. Miller, Wilbur C. Nylander, Civil Engr's & Surveyors - Lexington, Mass., and bounded as follows:

NORTHEASTERLY by Sudbury Road by two lines measuring together 192 and 87/100

feet;

SOUTHERLY by land formerly of Herbert S. Wentzel and Mary E. Wentzel, shown on said plan and Parcel "B" 499 and 89/100 feet;

WESTERLY by land formerly of said Wentzel, 20 and 00/100 feet and by land formerly of Martin Cerel and David Yorks by a line as shown on said plan as a stone wall 182 and 99/100 feet;

NORTHERLY by land of the same 413 and 88/100 feet.

Parcel Four:

A certain parcel of land situated in said Wayland bounded and described as follows:

Beginning on land of the Boston & Maine Railroad and at other land formerly of Raytheon Manufacturing Company at a point 41 and 25/100 feet northerly from Station 699 plus 00 on the center line of location of the Central Massachusetts Branch of said Boston & Maine Railroad, measuring at rights angles thereto, thence running South 80° 25' 30" West by said other land of said Railroad 627 and 50/100 feet to a point at said land formerly of Raytheon Manufacturing Company; thence turning and running by said last-mentioned land on three courses as follows: North 73° 07' 40" East 204 and 66/100 feet, North 78° 40' 30" East 239 and 11/100 feet and South 89° 24' East 188 and 47/100 feet to the point of beginning, be all of said measurements more or less, said parcel containing about 12,811 square feet and being shown upon plan marked "Land in Wayland, Mass. Boston & Maine Railroad - To -Raytheon Manufacturing Company J.F. Kerwin, Eng'r of Design, April, 1955" recorded with Middlesex South Registry of Deeds as Plan #1721 of 1955 in Book 8562, Page 316.

Excepting and excluding the following parcels of land:

2000. $=4,5,46,5\in C$ De-Reg, Noc \neq 15-0046 Pot 2 and Lot 3 shown on Land Court Plan No. 17983-G dated May 29, 2000, revised August 25, 2000. Lot AB-1 shown on plan dated May 1, 2000, and recorded as Plan No. 1426 of 2000 in Book 32174, Page 142. Parcel A shown on Land Court Plan No. 17983-G dated May 29, 2000, revised August 25,

Book 32174, Page 142.

A certain parcel acquired by the Town of Wayland by an Order of Taking filed with the Middlesex South Registry District of the Land Court as Document No. 1558125.

All of the above also being more particularly bounded and described as follows:

A certain parcel of Registered and Unregistered land situated on the northerly side of Boston Post Road in the Town of Wayland, County of Middlesex, Commonwealth of Massachusetts, bounded and described as follows:

Beginning at a point in the northerly line of Boston Post Road (Route 20) at the intersection of the northerly line of the former railroad N/F of the MBTA: thence

- a distance of four hundred thirty eight and ninety-two hundredths N 74°46'46" W feet (438.92') by the said northerly line of Boston Post Road to a point; thence
- a distance of forty-eight and sixty three hundredths feet (48.63') to a N 15°13'14" E point; thence
- a distance of one hundred seventeen and twenty-one hundredths feet N 74°46'46" W (117.21') to a point; thence
- a distance of one and thirty-seven hundredths feet (1.37') to a point; N 15°13'14" E thence

N 74°46'46" W	a distance of one hundred twenty three and seventy-three hundredths
	feet (123.73') to a point; thence

- N 71°29'32" E a distance of five hundred forty nine and seventy-eight hundredths feet (549.78') to a point; thence
- N 11°48'20" W a distance of three hundred twenty eight and no hundredths feet (328.00') to a point; thence
- S 71°01'00" W a distance of eight hundred forty two feet, more or less (842') to a point at the Sudbury River; thence
- Northerlya distance of seven hundred sixty two feet, more or less (762') by theSudbury River to a point; thence

N 80°45'43" E a distance of one thousand one hundred seventy nine feet, more or less (1179') to a point; thence

S 33°00'48" E	a distance of four hundred sixty six and twenty four hundredths feet (466.24') to a point; thence
S 86°08'20" E	a distance of seven hundred thirty six and twenty four hundredths feet (736.24') to a point; thence
S 42°30'55" E	a distance of one hundred ninety and sixty hundredths feet (190.60') to a point; thence
N 59°03'55" E	a distance of three hundred fifty and eighty eight hundredths feet (350.88) to a point; thence
Northerly	and curving to the left along the arc of a curve having a radius of fifteen and no hundredths feet (15.00'), a distance of twenty four and eleven hundredths feet (24.11') to a point in the southwesterly line of Old Sudbury Road; thence
S 33°00'47" E	a distance of ninety and three hundredths feet (90.03') by the said southwesterly line of Old Sudbury Road to a point; thence
Westerly	and curving to the left along the arc of a curve having a radius of fifteen and no hundredths feet (15.00'), a distance of twenty three

and two hundredths feet (23.02) to a point; thence

- S 59°03'55" W a distance of three hundred forty one and eighty six hundredths feet (341.86') to a point; thence
- S 42°30'55" E a distance of sixty three and forty hundredths feet (63.40') to a point; thence
- S 03°51'08" W a distance of seven hundred ninety three and sixty five hundredths feet (793.65') to a point in the northerly line of the Massachusetts Bay Transportation Authority; thence
- N 86°09'36" W a distance of one thousand five hundred thirty four and eighty three hundredths feet (1534.83') by the said northerly line of the M.B.T.A. to the point of beginning.

The above described parcel of land contains an area of 56.9 acres, more or less.

Excluded from the above described premises is a certain parcel of land shown as "N/F Town of Wayland, Parcel A" as shown on Plan No. 1206 of 1999. Said Parcel A was acquired by the town of Wayland by an Order of Taking filed as L.C. Document # 1122165, recorded in Deed Book 30797, Page 5. Said Parcel A which lies completely within the previously described parcel and consists of the existing sewer treatment plant, is bounded and described as follows:

Beginning at a point at the northwesterly corner of the hereinafter described premises, said point being located S 86° 08' 20" E a distance of two hundred eighty nine and thirty seven hundredths feet (289.37') and thence S 04° 38' 36" W a distance of one hundred seventy two and seventy four hundredths feet (172.74') from a concrete bound w/ drill hole set at a northerly corner of the aforementioned described premises; thence

- N 85°21'24" Wa distance of one hundred seventeen and no hundredths feet (117.00')
to a point; ThenceN 85°21'24" Wa distance of one hundred sixty three and no hundredths feet
(163.00') to a point; ThenceN 85°21'24" Wa distance of one hundred seventeen and no hundredths feet (117.00')
to a point; Thence
- N 04°38' 36" E a distance of one hundred sixty three and no hundredths feet (163.00') to the point of beginning.

The above described premises contains an area of 19,071 square feet.

Also excluded from the above described premises is a certain parcel acquired by the Town of Wayland by an Order of Taking filed as L.C. Document # 1558125.

[End]

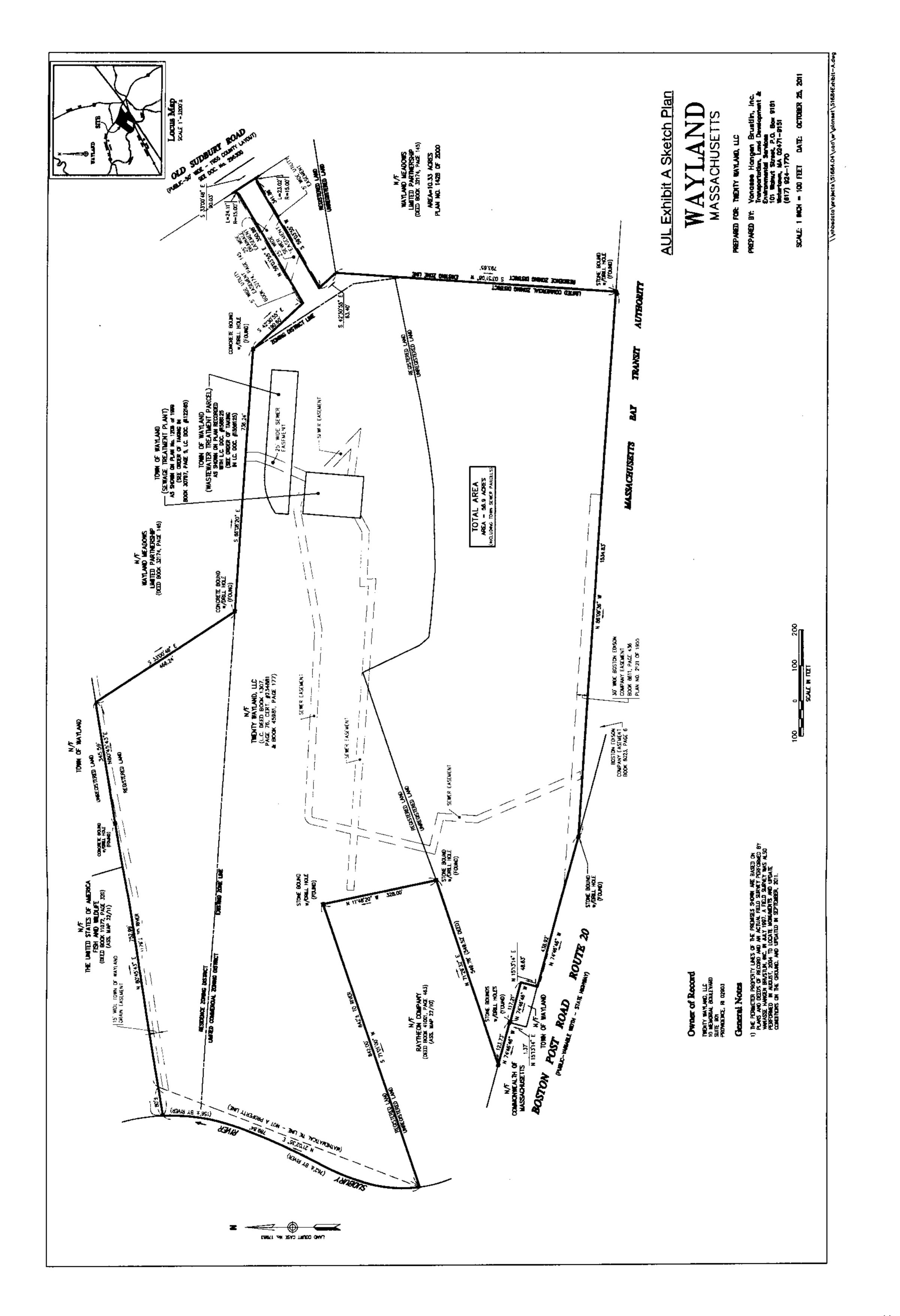


EXHIBIT A-1

Description of Portion of the Property

subject to this Notice of Activity and Use Limitation

A certain parcel of land located on the property owned now or formerly by Twenty Wayland, LLC situated northerly of Boston Post Road (Route 20) and westerly of Old Sudbury Road (Route 27) in the Town of Wayland, County of Middlesex, Commonwealth of Massachusetts, bounded and described as follows:

Beginning at a stone bound found on the northerly side of Boston Post Road (Route 20) at the intersection of the northerly line of the railroad right of way now or formerly of the Massachusetts Bay Transit Authority; thence

N 55°10'40" E a distance of One Hundred Four and Seventy Hundredths feet (104.70') to a point; thence a distance of Fifty Two and Eighty Seven Hundredths feet N 03°50'24" E (52.87')to a point; thence and curving to the right along the arc of a curve having a radius Northerly of Two Hundred Thirty Three and Zero Hundredths feet (233.00'), a length of One Hundred Twelve and Forty Two Hundredths feet (112.42') to a point; thence and curving to the right along the arc of a curve having a radius Northeasterly of One Hundred Twenty Nine and Ninety Five Hundredths feet (129.95'), a length of Seventy Three and Forty Hundredths feet (73.40') to a point; thence

N 63°50'24" E a distance of One Hundred Nine and Sixty Three Hundredths feet (109.63') to a point; thence

N 26°09'36" W a distance of Thirty Six and Seventy Nine Hundredths feet (36.79') to a point; thence

Northerly and curving to the right along the arc of a curve having a radius of Four Hundred Sixty Two and Sixty One Hundredths feet (462.61'), a length of One Hundred Sixty One and Five Hundredths feet (161.05') to a point; thence

N 71°03'32" E a distance of Forty Six and Seventy Two Hundredths feet (46.72') to a point; thence

N 76°50'11" E a distance of Two Hundred Sixteen and Two Hundredths feet (216.02') to a point; thence

Easterly and curving to the right along the arc of a curve having a radius of One Hundred Eleven and Thirty Six Hundredths feet (111.36'), a length of Thirty Three and Thirteen Hundredths feet (33.13') to a point; thence

S 86°09'36" E a distance of Two Hundred Nine and Forty Three Hundredths feet (209.43') to a point; thence

Northerly	and curving to the right along the arc of a curve having a radius of Five Hundred Twenty and Zero Hundredths feet (520.00'), a length of Two Hundred Fifty One and Eighty Three Hundredths feet (251.83') and a chord length of Two Hundred Forty Nine and Thirty Eight Hundredths feet (249.38') with a chord bearing of N 19°33'54" E to a point; thence
N 03°50'24" E	a distance of One Hundred Nineteen and Thirty Eight Hundredths feet (119.38') to a point; thence
N 86°08'20" W	a distance of Eight Hundred Seventy Five and Thirty One Hundredths feet (875.31) to a point; thence
S 06°55'42" W	a distance of Five Hundred Fifteen and Fifteen Hundredths feet (515.15) to a point at land now or formerly of Raytheon Company; thence

N 11°48'20" W a distance of Two Hundred Seventy and Seventy Six Hundredths feet (270.76') to a stone bound; thence

S 71°01'00" W a distance of Eight Hundred Forty Two feet more or less (842'+/-) to a point along the easterly edge of the Sudbury River (the previous two (2) courses are by said land of Raytheon Company); thence

Northerly

along said easterly edge of the Sudbury River a distance of Seven Hundred Sixty Two feet more or less (762'+/-) to a point at land now or formerly of The United States of America Fish and Wildlife; thence

N 80°45'43" E by land of said United States of America Fish and Wildlife and land now or formerly of the Town of Wayland a distance of Eight Hundred Thirty Three feet more or less (833'+/-) to a concrete bound found; thence

N 80°45'43" E continuing by said land of The Town of Wayland a distance of Three Hundred Forty Five and Fifty Nine Hundredths feet (345.59') to a point at land now or formerly of Wayland Meadows Limited Partnership; thence

S 33°00'48" E a distance of Four Hundred Sixty Six and Twenty Four Hundredths feet (466.24') to a concrete bound found; thence

S 86°08'20" E a distance of Seven Hundred Thirty Six and Twenty Four Hundredths feet (736.24') to a concrete bound found; thence

S 42°30'55" E a distance of One Hundred Ninety and Sixty Hundredths feet (190.60') to a point; thence

N 59°03'55" E a distance of One Hundred Nine and Eighty Six Hundredths feet (109.86') to a point (the previous four (4) courses are by said land of Wayland Meadows Limited Partnership); thence

S 03°51'48" W through said land now or formerly of Twenty Wayland, LLC a distance of Seventy Three and Three Hundredths feet (73.03') to a point at other land now or formerly of Wayland Meadows Limited Partnership; thence

S 59°03'55" W a distance of Fifty Five and Eighty Nine Hundredths feet (55.89') to a point; thence

S 42°30'55" E a distance of Sixty Three and Forty Hundredths feet (63.40') to a point; thence

S 03°51'08" W a distance of Seven Hundred Ninety Three and Sixty Five Hundredths feet (793.65') to a stone bound found along the northerly line of the railroad right of way now or formerly of the Massachusetts Bay Transit Authority (the previous three (3) courses are by said other land of Wayland Meadows Limited Partnership); thence

along said Northerly line of the railroad right of way a distance N 86°09'36" W of One Thousand Five Hundred Thirty Four and Eighty Three Hundredths feet (1,534.83') to a point at the point of beginning.

The above described parcel contains an area of 35.5 acres more or less.

EXHIBIT A-1: SKETCH PLAN

Sketch Plan of the Portion of the Property

subject to this Notice of Activity and Use Limitation

[SEE ATTACHED]

.

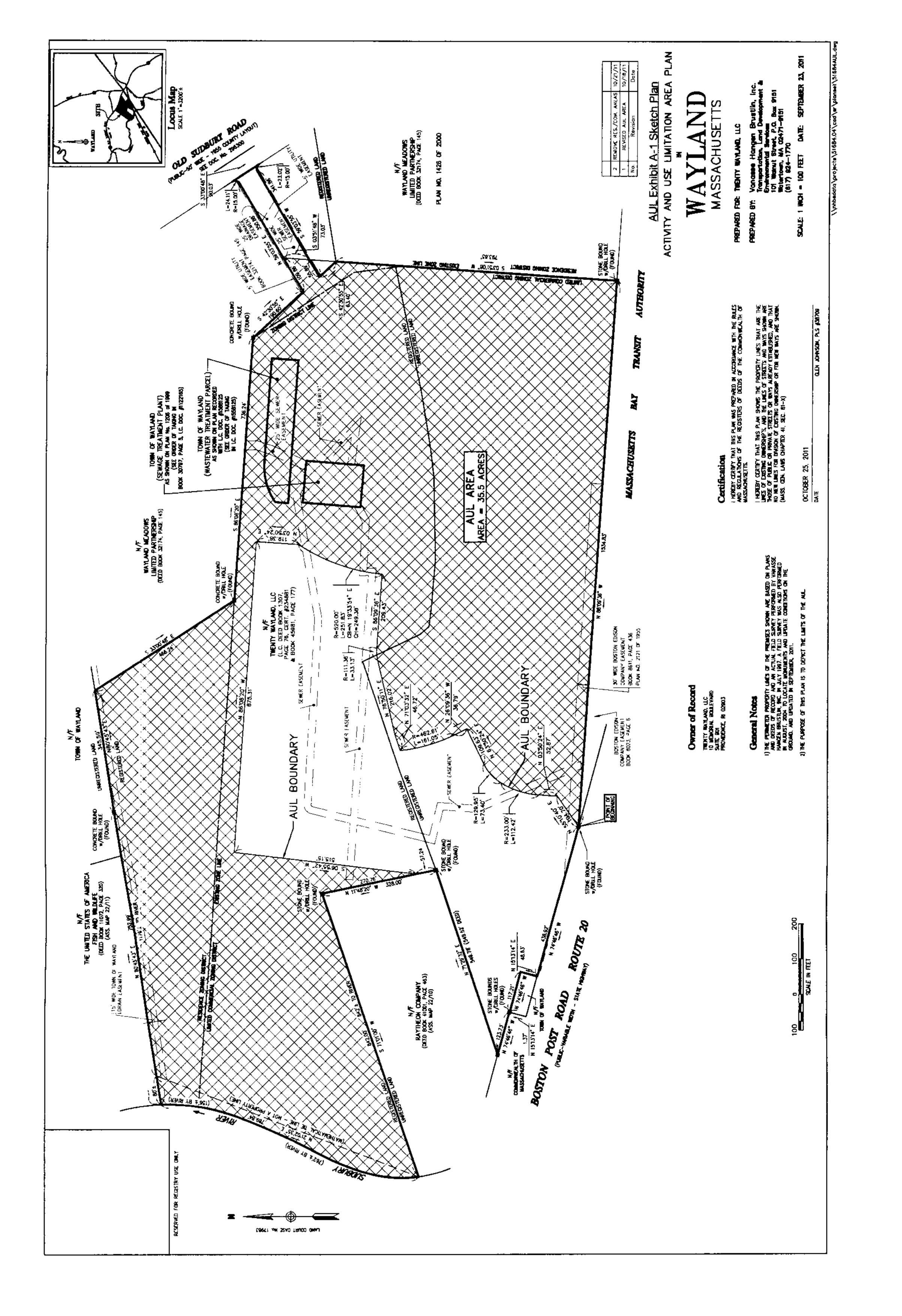


EXHIBIT B

Sketch plan showing the relationship of the Portion of the Property

subject to this Notice of Activity and Use Limitation

to the boundaries of the disposal site

[SEE ATTACHED]

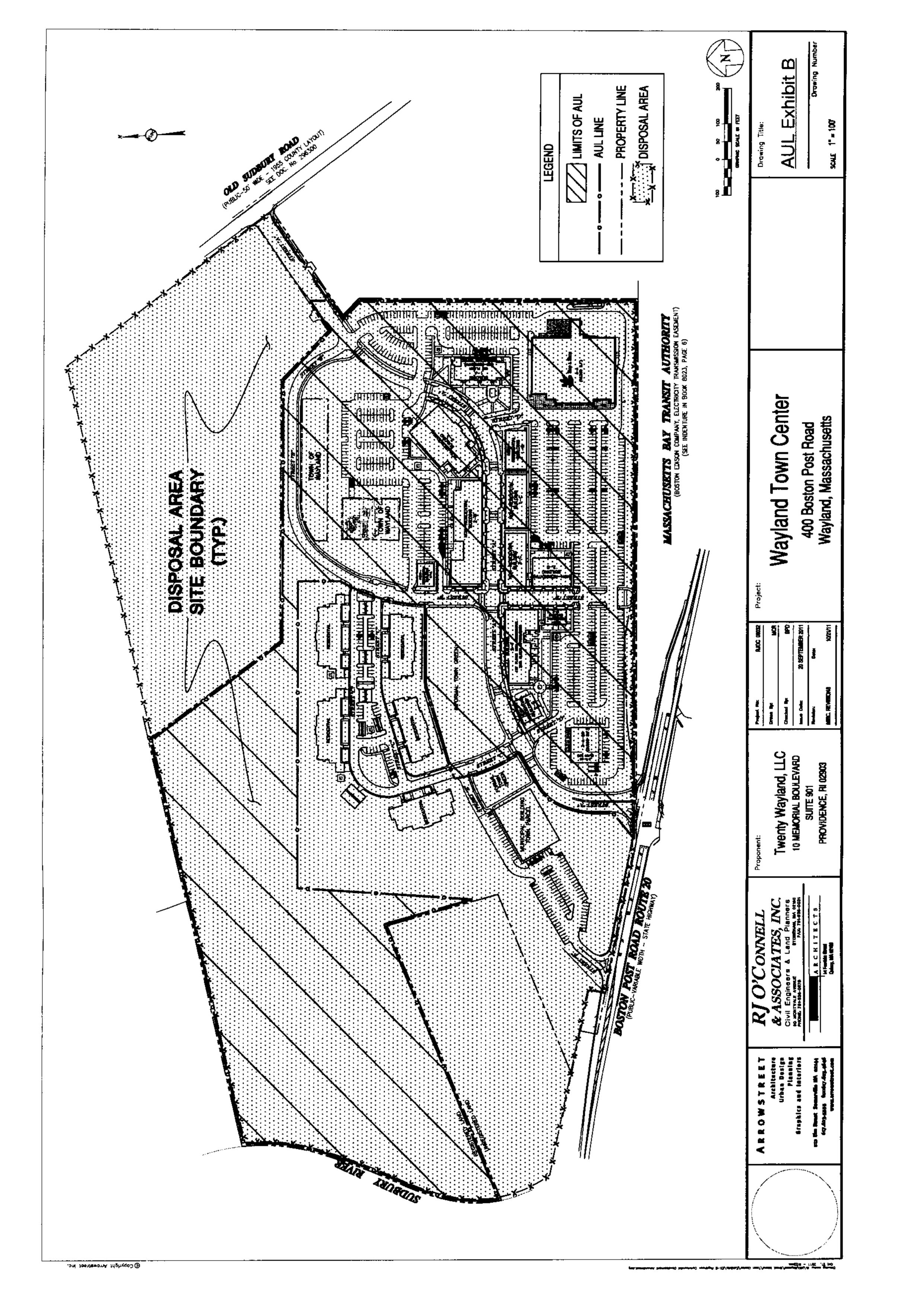


EXHIBIT C

ACTIVITY & USE LIMITATION OPINION

BOSTON POST ROAD, WAYLAND, MASSACHUSETTS

This Activity and Use Limitation (AUL) Opinion is issued in support of the Notice of Activity and Use Limitation (Notice) filed on the parcels located at 430 Boston Post Road, Wayland, Massachusetts (the "Property"). Pursuant to 310 CMR 40.0000, this AUL Opinion describes the basis for restrictions in activities on, and uses of, the portion of the Property subject to the Notice and obligations and conditions to be undertaken and/or maintained to ensure protection of health, safety, public welfare and the environment. This AUL Opinion is certified by the Licensed Site Professional (LSP)-of-Record for Comprehensive Response Actions conducted in accordance with Permit No. 133939 for Release Tracking Number (RTN) 3-13302 and Permit No. W045278 for RTN 3-22408, issued under the authority of the Massachusetts Department of Environmental Protection (MassDEP), Bureau of Waste Site Cleanup.

1.0 PHYSICAL DESCRIPTION AND LAND USE

The subject lands (Exhibit A to Notice) are a portion of the entire Property which is an approximately 83-acre parcel located at 430 Boston Post Road in Wayland, Massachusetts (Lot 23-52 and Lot 23-52C). The Property consists of two lots and is bounded to the west by the Sudbury River and Lot 22-10, to the north by undeveloped land including the Great Meadows National Wildlife Refuge, to the east by Lots 23-52E through 23-52M, and to the South by Route 20/Boston Post Road and a Massachusetts Bay Transit Authority right-of-way.

Prior to 1955 the Property was a wetland, floodplain, and farmland. Subsequent to 1955, the Property was used as an engineering research and development facility that was decommissioned in 1995. Portions of the Property are currently a wetland and floodplain subject to the restrictions of the Wetlands Protection Act.

1

2.0 BACKGROUND

Releases of oil and/or hazardous materials (OHM) to soil and groundwater were discovered on the Property during decommissioning of the former Raytheon Company facility. Concentrations of OHM were discovered on the Property during environmental investigation for RTNs 3-13302 and 3-22408. Massachusetts General Law, Chapter 21E, requires assessment and, if necessary, remedial actions in accordance with requirements of the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.

The MCP process allows up to 5 years for completion of those phases of assessment and/or remediation that are necessary to achieve regulatory closure. Assessment and/or remediation activities are conducted as "Comprehensive Response Actions" under the direction of the LSP-of-Record. Upon satisfying all applicable MCP requirements, a Response Action Outcome (RAO) Statement, certified by the LSP, is filed with the MassDEP Bureau of Waste Site Cleanup, officially closing the site out of the MCP process. Once closure is obtained it is binding, subject, however, to MassDEP audit for up to 5 years from the date of filing.

3.0 PURPOSE AND APPLICABILITY OF THE NOTICE OF ACTIVITY AND USE LIMITATION

The purpose of the Notice is to record on the registered property deed those activities and land uses that are consistent with continued protection of health, safety, public welfare and the environment, and those that are specifically prohibited and obligations and conditions necessary to ensure continued protection.

The Notice is applicable to the portion of the Property (Portion of the Property) as defined in Exhibit A-1 to the Notice.

2

The Notice of AUL is recorded by the Property owner as a precautionary measure to ensure appropriate use of the Property. In all cases, the LSP shall review this Notice of AUL and, if appropriate, terminate or amend this Notice of AUL prior to approval and filing of a RAO for the Property, or any portion thereof. All approvals and opinions required by a LSP to maintain compliance with this Notice and AUL Opinion shall be restricted to the LSP-of-Record for Comprehensive Response Actions, and any termination or amendment of this Notice of AUL pursuant to the prior sentence shall be based upon an opinion of the LSP-of-Record, only.

SUMMARY OF PCB IMPACTS, REMEDIAL ACTION, AND USE **4.0 RESTRICTIONS ON PROPERTY**

> A remedial action was implemented within the wetland portions of two parcels (Lot 23-52C and Lot 22-10) that comprise a portion of the Property and land adjacent to the Property. This remedial action consisted of excavating wetland soils for removal of polyaromatic hydrocarbons (PAHs) and associated petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and heavy metals (chromium, copper, arsenic, silver, and lead). The remedial action activities are summarized below.

Pre-Excavation Extent and Concentrations of Contamination in Remediation Area

The primary source of impact to wetland sediments appeared to be historic releases of OHM to the storm water conveyance system, discharging at the storm water outfall OF-1. The primary contaminants of concern (COCs) identified in source structures (dry wells and manholes) connected to the storm water conveyance system included PAHs and associated petroleum hydrocarbons, PCBs, and heavy metals (chromium, copper, arsenic, silver, and lead). Evaluation of the average concentrations of primary COCs versus distance from the outfall indicated concentrations were highest near the outfall, decreasing sharply within 200 feet from the outfall and then approaching background near the Sudbury River. The vertical extent of impact appeared to be largely limited to the top 18 inches of sediment, although local variations were noted. The sediment layer is confined by an underlying, silt and clay unit beneath the wetland.

Correlation of areas impacted by COCs in sediment with the results of vegetative mapping and analysis of plant tissue defined an area of stunted vegetation estimated at approximately 0.6 acres. This condition constituted a condition of "readily apparent harm", defined by 310 CMR 40.0955(3) as "stressed vegetation attributable to Site OHM" and is

interpreted to reflect the toxicity of heavy metals (e.g., chromium) to plants.

Specific details regarding the remediation area for the Toxic Substance Control Act (TSCA; 40 CFR 750 and 761) were presented in the Application for Risk-Based Disposal Approval submitted on 23 December 2002 (revisions and additional information submitted on 3 April 2003, 8 May 2003, and 28 August 2003) and the Phase IV Remedy Implementation Plan dated 27 December 2002. The Application for Risk-Based Disposal was approved by the U.S. EPA in a letter dated 2 October 2003.

Description of Remedial Actions Undertaken in Remediation Area

Comprehensive Remedial Actions were completed from October 2003 through October 2004 on the Property. Remedial activities required the excavation of approximately 3,500 cubic yards of sediment material from an area of 0.9 acres on the Property to a depth of approximately 2.4 feet. Following verification sampling of the excavated area, engineered soil was brought in as fill and the remediation area was largely returned to its original grades. The total PCBs concentration remaining was calculated from the results of confirmation sampling by summing analytical detections of PCBs and substituting one-half the method detection limit for samples without detections.

Wetland restoration was completed on 20 February 2004 using the planting specifications submitted in the permit applications. Minor substitutions were made based on species availability at that time of year. All substitutions were made using comparable species and were planted in the same zones. Wetlands monitoring, along with additional plantings and invasive species control, continued through 2008.

Description of Use Restrictions for the Remediation Area

Remediation and restoration of the wetland area provides a level of protection to human health consistent with U.S. EPA guidance. It restores the affected Portion of the Property to a condition of "no significant risk", meets the MCP performance standards for filing a Response Action Outcome and represents a Permanent Solution for the affected Portion of the Property. The U.S. EPA approval for risk-based PCB remediation contained a provision requiring a Deed Notice or AUL be applied to the Property.

5.0 PERMITTED ACTIVITIES AND USES SET FORTH IN THIS AUL OPINION

> This AUL Opinion provides that a condition of No Significant Risk to health, safety, public welfare and the environment exists for any foreseeable period of time (pursuant to 310 CMR 40.0000) so long as any of the following activities and uses occur on the Portion of the Property:

(i) The Portion of the Property may be used for passive recreation;

(ii) The Portion of the Property may be used for commercial/industrial

uses;

- (iii) Such other activities or uses which, in the opinion of the LSP, shall present no greater risk of harm to health, safety, public welfare and the environment than the activities and uses set forth in this Paragraph;
- (iv) Such other activities and uses consistent with those set forth in this Paragraph and not expressly prohibited by this Opinion.

6.0 ACTIVITIES AND USES INCONSISTENT WITH THIS AUL OPINION

Activities and uses which are inconsistent with the objectives of the Notice of Activity and Use Limitation, and which, if implemented at the Portion of the Property, may result in a significant risk of harm to health, safety, public welfare or the environment or in a substantial hazard, are as follows:

- Residential, with the exception of up to 12 units on the second floor of a building located in the "Building 2F Building Envelope" as shown on Exhibit D to the Notice, so long as there is an appropriate sub-slab vapor barrier installed;
- (ii) Childcare, daycare, agricultural, horticultural, or gardening, unless previously approved by the LSP in accordance with the obligations and conditions set forth in this AUL Opinion;
- (iii) Groundwater withdrawal or use on the Portion of the Property except for assessment or remedial purposes;

(i)

- (iv) Septic systems unless previously approved by the LSP in accordance with the obligations and conditions set forth in this AUL Opinion;
- (v) Other activities or uses that, in the opinion of the LSP, would likely result in significant risk from exposures to oil and/or hazardous material if such activities or uses were to take place on the Portion of the Property.

7.0 OBLIGATIONS AND CONDITIONS SET FORTH IN THIS AUL OPINION

If applicable, obligations and/or conditions to be undertaken and/or maintained at the Portion of the Property to maintain a condition of No Significant Risk as set forth in this AUL Opinion shall include the following:

- (i) Certification in the form of documentation bearing the original signature, date and Seal of the LSP must be obtained by the Owner prior to implementation of the following activities and uses:
 - a) Expansion or relocation of existing buildings;
 - b) Use of the Portion of the Property for residential, childcare, daycare, recreational, agricultural, horticultural, or gardening activities, or for unrestricted public access;
 - c) Subsurface activities, including excavation or new construction below grade; and
 - d) Land development or construction involving changes in surface conditions (i.e., topography, surface cover, etc.), including installation of pavement or building foundations;

(ii)

Parties conducting activities and uses described in 5.0 above, that, in the opinion of the LSP, may include disturbance of contaminated media, waste or debris, or that could render subsurface contaminated media, waste or debris accessible to exposure, shall submit, for approval by the LSP, a contingency plan for the management of contaminated media, waste or debris, if encountered, including:

- a) Procedures for monitoring of contaminated media, waste or debris;
- b) Procedures for notification to the LSP of the discovery of contaminated media, waste or debris;

- c) A certification that all response actions will be conducted under the supervision of the LSP;
- d) A soils management plan including contingencies for handling contaminated soil and/or groundwater if activities may extend below the water table;
- e) A certification that response personnel will comply with applicable safety regulations, including 29 CFR 1910.120; and
- f) A certification that contaminated waste, debris or media or remediation waste (pursuant to 310 CMR 40.0000) generated by such activities shall be handled, stored, transported and disposed in accordance with the applicable federal, state and local regulations;

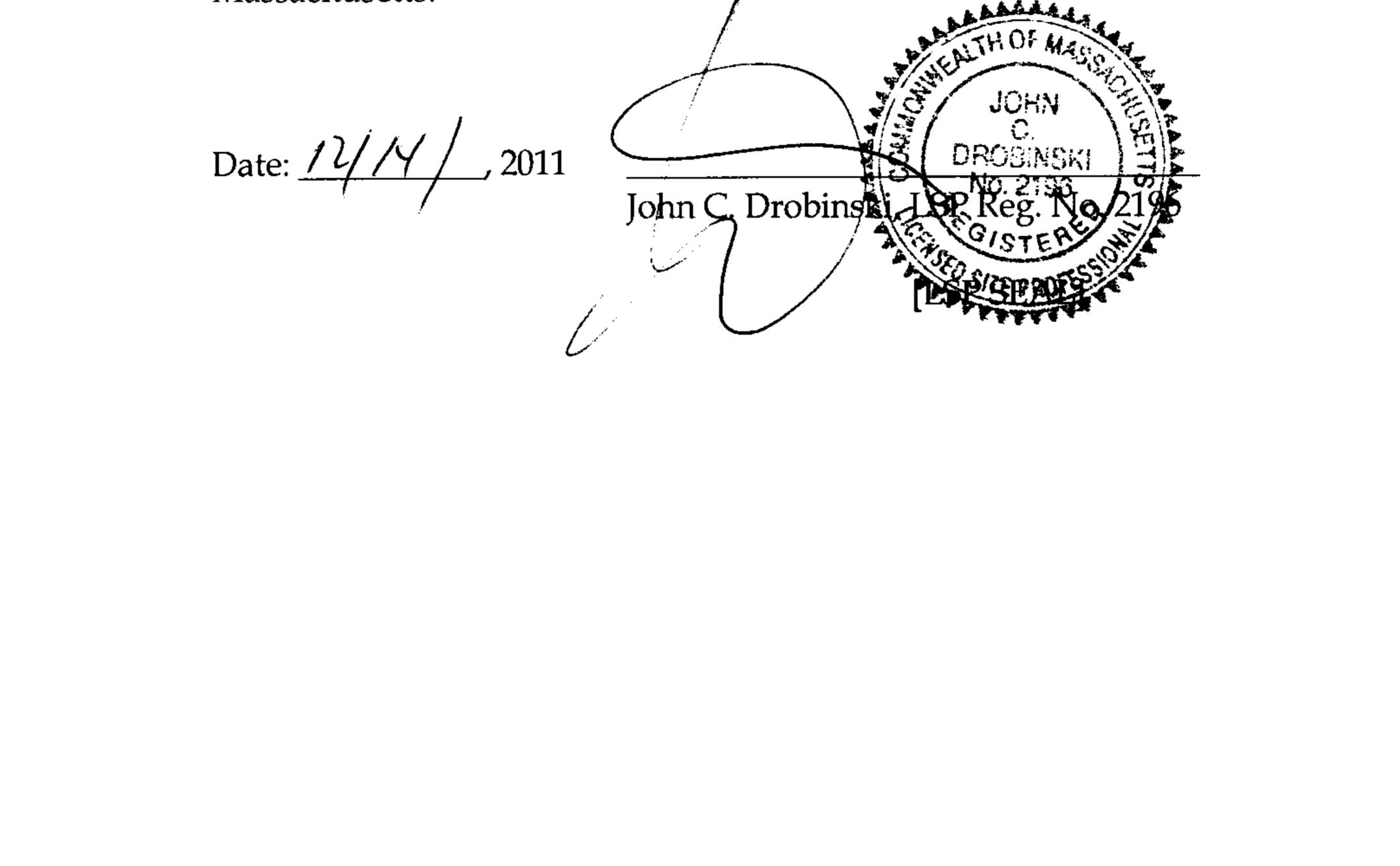
(iii) The responsible parties and their representatives shall be granted unrestricted access to the Property in order to conduct any and all activities associated with the performance of response actions as defined under the MCP, or any other applicable regulation.

7

ERM

8.0 CERTIFICATION

The undersigned LSP-of-Record hereby certifies that the terms of this Activity and Use Limitation Opinion are consistent with those of the Notice for the subject Property located at 430 Boston Post Road, Wayland, Massachusetts.



8

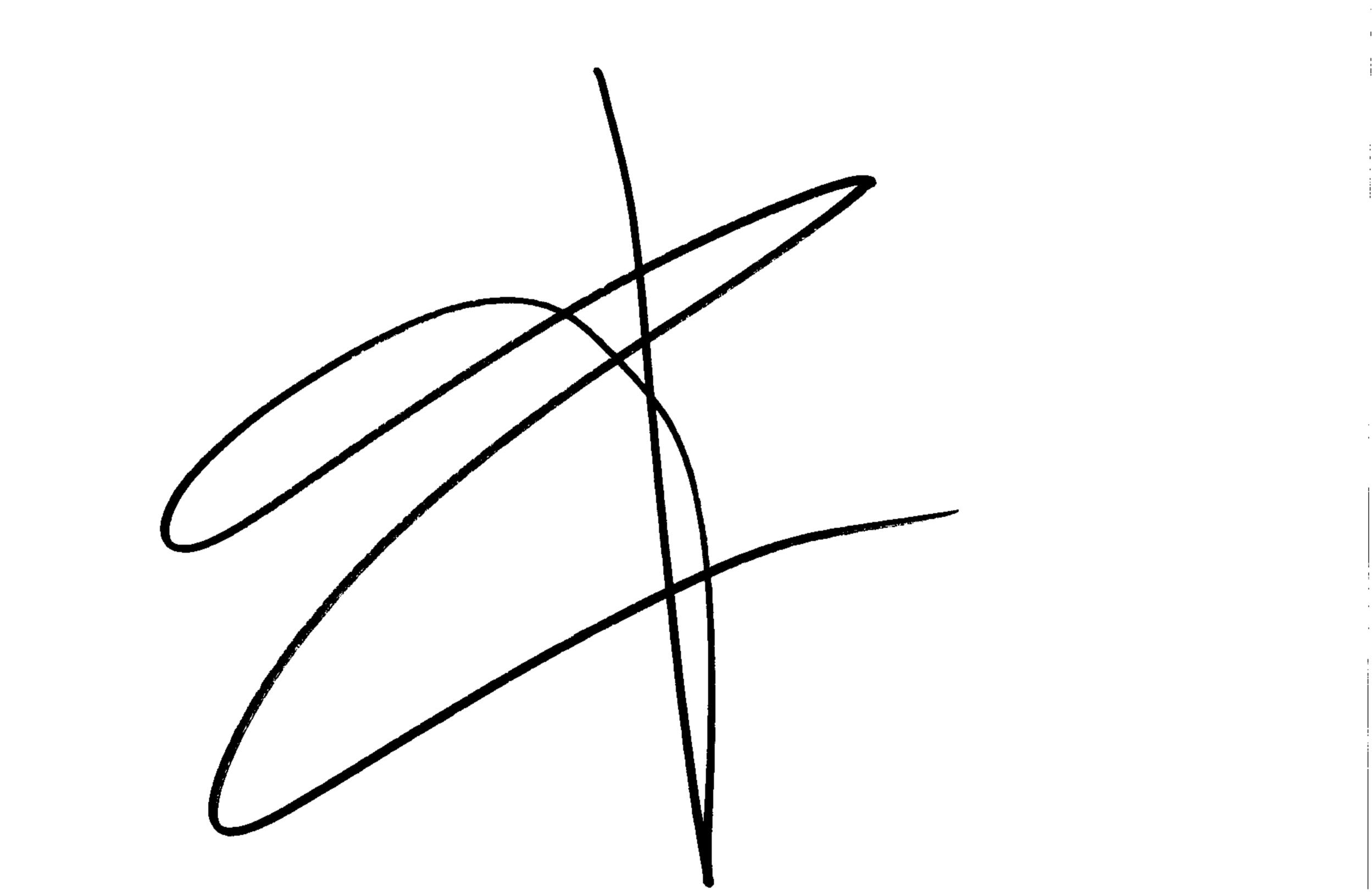
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EXHIBIT D

Plan showing "Building 2F Building Envelope"

[SEE ATTACHED]

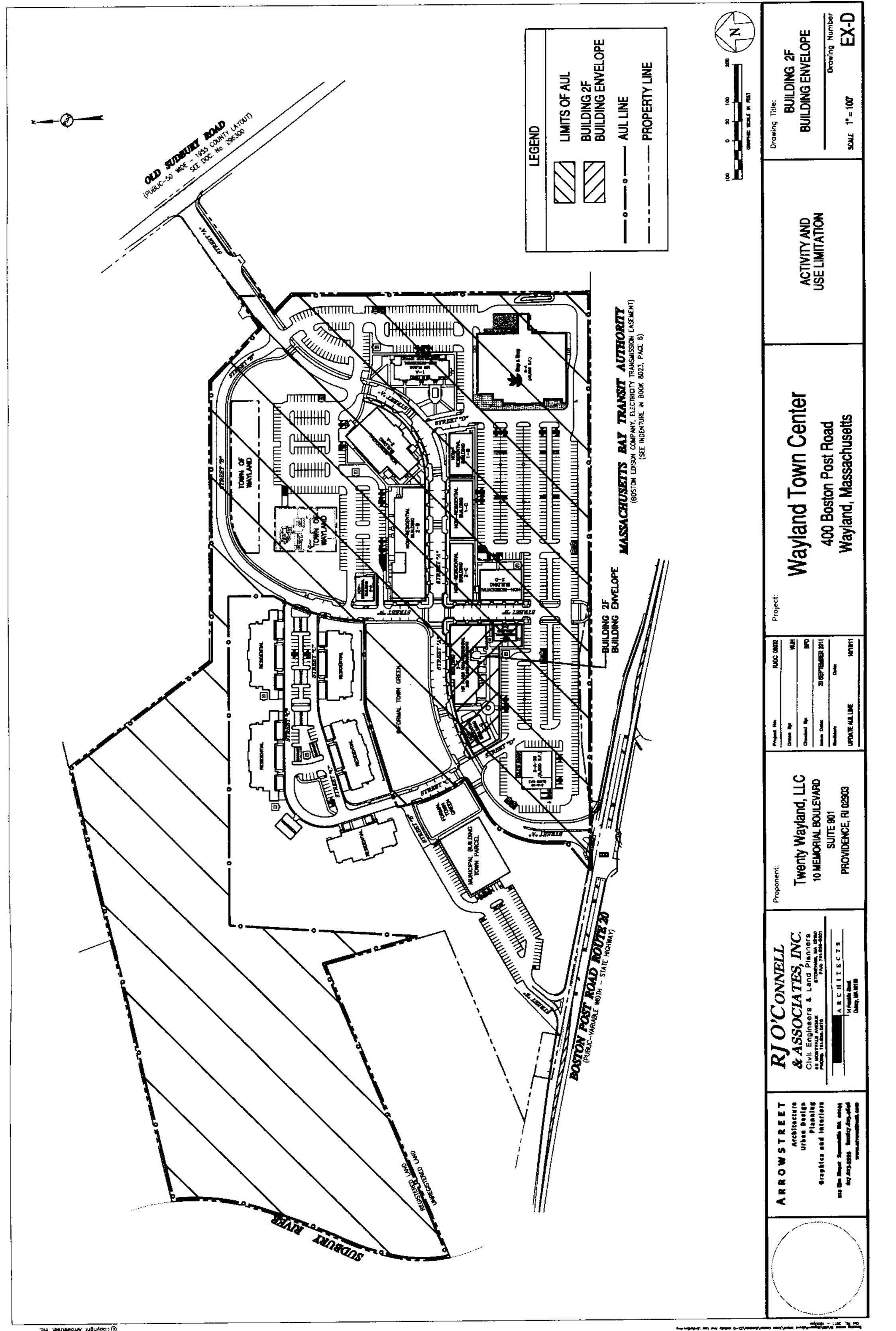
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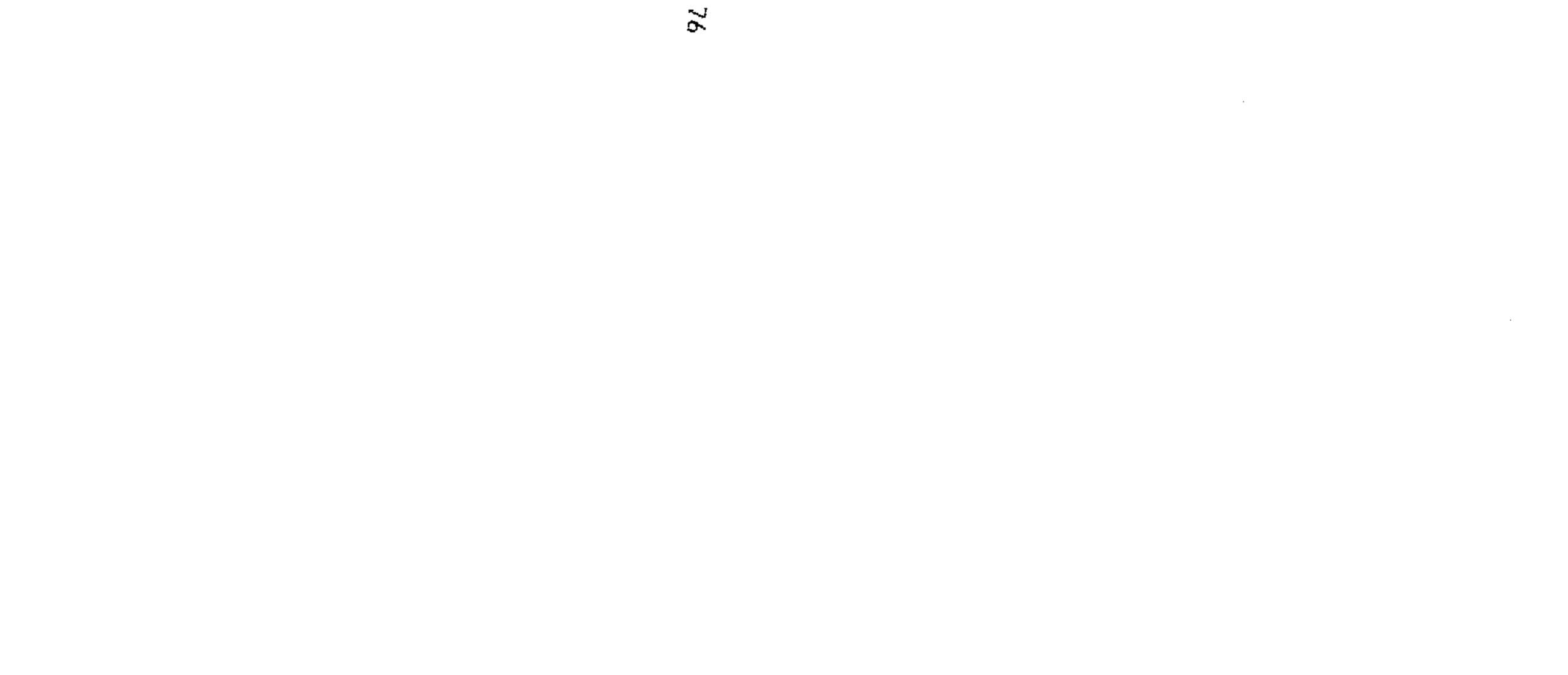
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NOTED ON: CERT 234881 ALSO NOTED ON: Receipt Total: Document Fee On: Dec 21,2011 at 01:01P RECEIVED FOR REGISTRATION Southern Middlesex LAND COURT Registry District \$450.00 75.00 BK 01307 ۲۹

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Appendix B: Photographs

Photographic Documentation 430 Boston Post Road Wayland, Massachusetts Project No. 19163

Photograph: 1 Description: View to the east of the 36" outfall being excavated.	<image/>
Photograph: 2 Description: View to the west of the former 36" outfall location.	

Photographic Documentation 430 Boston Post Road Wayland, Massachusetts Project No. 19163

Photograph: 3

Description:

An approximately 2" old electrical lines observed during excavation of the 36" out fall piping. Soil staining was not observed during the excavation.



Photograph: 4

Description:

View to the west of the former 36" outfall location.

Photographic Documentation 430 Boston Post Road Wayland, Massachusetts Project No. 19163

Photograph: 5

Description:

View west towards the excavation of former 36" out fall. There was no evidence of impacted soils and no groundwater was encountered.



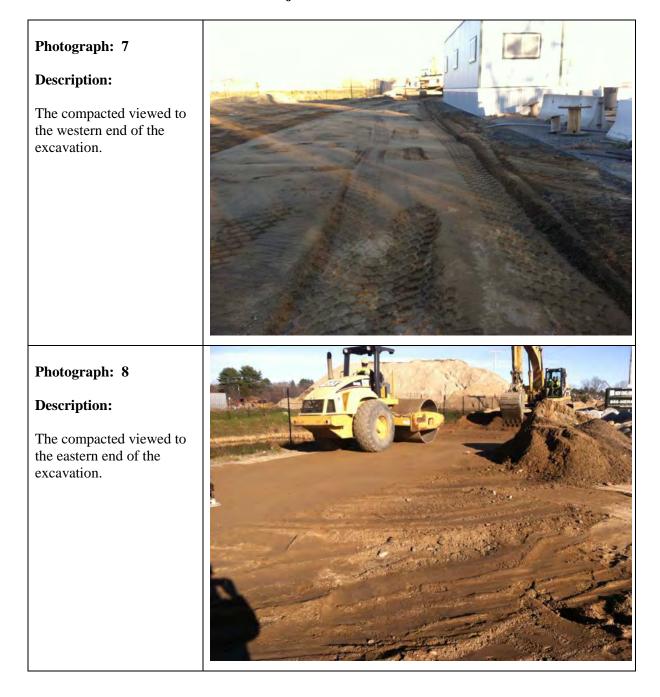
Photograph: 6

Description:

View of western section of the excavation after completion.

VERTEXSM

Photographic Documentation 430 Boston Post Road Wayland, Massachusetts Project No. 19163



Appendix C: Bill of Lading

	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
	BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
A. LOCATION	OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATE	:D:
1. Release I	Name/Location Aid: RAYTHEON COMPANY	
2. Street Ad	dress: 430 BOSTON POST RD	
3. City/Town	WAYLAND 4. Zip Code: 01	17780000
	ck her if a Tier Classification Submittal has been provided to DEP for this disposal sit	°.
	a. Tier 1A ☐ b. Tier 1B 🖌 b. Tier 1C ☐ d. Tier II	6.
	ble provide the Permit Number: 133939	
	IS BEING USED TO: (check one: B1-B4):	
1. Sub	mit a BIII of Lading (BOL) to transport Remediation Waste to Temporary Storage of ponse Actions associated with this BOL (check all that apply): a. Immediate Response Action (IRA)	
	b. Release Abatement Measure (RAM) f Limited Removal Action (LR	λ Α):
	c. Downgradient Property Status (DPS) (must be retained pursuant f 40.0034(6); can't be submitt	to 310 CMR
	d. Utility Release Abatement Measure (URAM)	
	mit an Attestation of Completion of Shipment to Temporary Storage (Sections C, F	and J are not required):
✓ 3. Subr	mit an Attestation of Completion of Shipment to a Receiving Facility (Sections C, F	and J are not required):
	ify that Remediation Waste Was Not Shipped, and the Bill of Lading is Void . (Sec lired)	ctions C, D, E, and F are not
5. Date Bill of	Lading submitted to the Department: 1/13/2012 11:00:1 b. eDEP Transaction ID: (mm/dd/yyyy)	443214
6. Period of G	Generation Associated with this Bill of Lading 12/30/2011 to 12/30/2011 (mm/dd/yyyy) (mm/dd/yyyy)	(y
	Il sections of this transmittal form must be filled out unless otherwise noted) ding is not considered complete until the Attestation of Completion of Shipment is rec	eived by the Department.
C. DESCRIPTIC	ON OF WASTE AND WASTE SOURCE:	
1. Contamina	ated Media /Debris (check all that apply):	
a. So	il D. Groundwater C. Surface Water d. Sediment e	e. Vegetation or Organic Debris
🗍 f. Dei	molition/Construction Waste 🔲 g. Inorganic Absorbent Materials 🔲 h. Other:	
2. Uncontain	erized Waste (check all that apply):	
🔲 a. li	norganic Absorbent Materialsb. Other:	

Revised: 03/10/2010 Ver: 9.10.1.0

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112 Release Tracking Number
BILL OF LADING (pursuant to 310 CMR 40.0030)	3 - 13302
C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):	
3. Containerized Waste (check all that apply):	
a. Tank Bottoms/Sludges b. Containers c. Drums d. Engineered	mpoundments
e. Other	
4. Estimated Quantity:	
5. Contaminant Source (check one):	
a. Transportation Accident b. Underground Storage Tank c. Brownfields Re	development
d. Other:	
6. Type of Contaminant (check all that apply):	
a. Gasoline D. Diesel Fuel C. #2 Fuel Oil d. #4 Fuel Oil e. #6 Fuel	el Oil f. Jet Fuel
g. Waste Oil 🔲 h. Kerosene 🗌 i. Chlorinated Solvents 🔲 j. Urban Fill 🗌 k	. Other:
7. Constituents of Concern (check all that apply):	
a. As b. Cd c. Cr d. Pb e. Hg f. EPH/TPH	g. VPH
h. PCBs i. VOCs j. SVOCs k. Other:	
8. If applicable, check the box for the Reportable Concentration Category of the site:	
a. RCS-1 b. RCS-2 c. RCGW-1 d. RCGW-2	1.20
9. Remediation Waste Characterization Documentation (check at least one):	
a. Site History Information b. Sampling Analytical Methods and Procedures	c. Laboratory Data
d. Field Screening Data e. Characterization Documentation previously submitted to	the Department
i. Date submitted:	
(mm/dd/yyyy) D. TRANSPORTER OR COMMON CARRIER INFORMATION:	
1. Transporter/Common Carrier Name: BRIGHTER HORIZONS ENVIRONMENTAL INC	
2. Contact First Name: SHANE 3. Last Name: DUVAL	
6. City/Town: CHELMSFORD 7. State: MA 8. Zip Code: 01824	10000
9. Telephone: 9789700500 10. Ext: 11. Fax:	

Massachusetts Department of Environment Bureau of Waste Site Cleanup	al Protection BWSC112
Bureau or waste Site Cleanup	Release Tracking Number
BILL OF LADING (pursuant to 310 CMR 40.0030)	3 - 13302
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:	
1. Operator/Facility Name CPRC GROUP	
2. Contact First Name: REGGIE 3. Las	t Name: SAUNDERS
4. Street: 2 GIBSON ROAD	5. Title:
6. City/Town: SCARBOROUGH 7. State: ME	8. Zip Code: 040740000
9. Telephone: 207 883 3325 10. Ext:	11. Fax: 207 883 1121
12. Type of Facility: (Check one)	
a. Temporary Storage i. Period of Temporary Storage:	yy) (mm/dd/yyyy)
ii. Reason for Temporary Storage:	
b. Asphalt Batch/Hot Mix C. Landfill/Disposal d. La	ndfill/Structural Fille. Landfill/Daily Cover
f. Asphalt Batch/Cold Mixg. Thermal Processingh.	Incinerator i. Other:
13. Division of Hazardous Waste/Class A Permit Number:	
14. Division of Solid Waste Permit Number: S-021243-WK-A-N	
15. EPA Identification Number:	
F. LSP SIGNATURE AND STAMP: I attest under the pains and penalties of perjury that I have personally examined any and all documents accompanying this submittal. In my professional opinion standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR provisions of 309 CMR 4.03(3), to the best of my knowledge, information and b characterize the Remediation Waste which is (are) the subject of this submittal submittal comply with applicable provisions of 310 CMR 40.0000, and such fact the characteristics described in this submittal.	and judgment based upon application of (i) the 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the elief, the assessment action(s) undertaken to for acceptance at the facility identified in this
I am aware that significant penalties may result, including, but not limited to, po which I know to be false, inaccurate or materially incomplete.	ssible fines and imprisonment, if I submit information
1. LSP #:	
2. First Name: 3. Last Name	:
4. Telephone: 5. Ext. 5.	
6. FAX:	
7. Signature:	
8. Date: (mm/dd/yyyy)	9. LSP Stamp:

Massachusetts Department of Environmental Protection BWSC11 Bureau of Waste Site Cleanup BWSC11	12
BILL OF LADING (pursuant to 310 CMR 40.0030) Release Tracking 3 - 13302	Number
G. PERSON SUBMITTING BILL OF LADING:	
1. Check all that apply: a. change in contact name b. Change of address c. change in person undertaking response	actions
2. Name of Organization: TWENTY WAYLAND LLC	
3. Contact First Name: FRANK 4. Last Name: DOUGHERTY	
5. Street: 10 MEMORIAL BLVD SUITE 901 6. Title:	****
7. City/Town: PROVIDENCE 8. State: RI 9. Zip Code: 029030000	
10. Telephone: 4012738600 11. Ext 12. Fax:	
H. RELATIONSHIP TO SITE OF PERSON SUBMITTING BILL OF LADING:	tionship
✓ 1. RP or PRP: a. Owner b. Operator c. Generator d. Transporter	
e. Other RP or PRP Specify: NON-SPECIFIED PRP	
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	
I. REQUIRED ATTACHMENTS 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 approvals issued by DEP or EPA. If the box is checked, you must attach a statement identifying th applicable provisions thereof.	e
2. Check here if any non-updatable information provided on this form is incorrect, e. g. property address. Send corre BWSC.eDEP@state.ma.us	ections to
3. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.	
J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING :	
1. I,, attest under the pains and penalties or perjury (i) that I have persexamined and am familiar with the information contained in this submittal, including any and all documents accompanying 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 that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person of 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.	this ne nd (iii)
2. By: 3. Title:	
4. For 5. Date:	
(Name of person or entity recorded in Section H) (mm/dd/yyyy)	
Revised: 03/10/2010	ge 4 of 5

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Numb
CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.) :	
6. Check here if the address of the person providing certification is different from address re	ecorded in Soction H
. Street:	
	ſ
. City/Town:9. State: 10. Zip Cod	e:
1. Telephone: 12. Ext 13. Fax:	
	<u></u>
YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE A SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMP SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQU	LL RELEVANT LETE. IF YOU
SUBILITIAN INCOMPLETE FORM, FOU MAT BE FENALIZED FOR MISSING A REQU	
te Stamp (MassDEP USE ONLY):	
Received by DEP on	
7/25/2012 9:14:16 AM	

|--|

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

OF 1

BWSC112A

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY OF SHIPMENT SHEET

Release Tracking Number

A. SUMMARY OF SHIPMENT (To be filled out by the receiving facility upon receipt of Remediation Waste):

1. Date of Shipment: (mm/dd/yyyy)	2. Date of Receipt: (mm/dd/yyyy)	3. Number of Loads Shipped:	4. Daily Volume Shipped: yds ³ ✓ tons gals
1/25/2012	1/25/2012	1	16.01
1/25/2012	1/25/2012	1	3.17
· · · · · · · · · · · · · · · · · ·			
5. Totals Recorded on this Su	ummary of Shipment Sheet:	2	19.18
B. Check here if addition	al BWSC112A BOL Summary Sheet		

2)	BILL OF LA SUMMARY SH	aste Site Cleanup DING (pursuant to 310 EET SIGNATURE P	AGE			3	BWSC112E e Tracking Numb - 13302	ber
1. I, <u>N</u> exar trans mate that entit	(NOWLEDGEMENT OF RE arcia Montague nined and am familiar with th smittal form, (ii) that, based o erial information contained in I am fully authorized to make y on whose behalf this subm ible fines and imprisonment,	e information contained n my inquiry of those in this submittal is, to the this attestation on beh ittal is made am/is awar	, attest under the l in this submittal dividuals immed best of my know alf of the entity le re that there are	e pains and I, including a liately respo rledge and b egally respo significant p	penalties or any and all d nsible for ob pelief, true, a nsible for thi penalties, inc	perjury (i) the locuments a training the inccurate and s submittal.	nat I have persor accompanying thi information, the I complete, and (I/the person or	nally is
2. By:	Marcia Montague			3. Title:				
4. For:	TWENTY WAYLAND LI	_C		5. Date:	3/2/2012			
6. Dat	e of Final Shipment associat	ed with this Bill of Ladir	·	nm/dd/yyyy)		(mm/dd/y	ууу)	
exam transi mater that I entity	ank Dougherty ined and am familiar with the nittal form, (ii) that, based or ial information contained in t am fully authorized to make on whose behalf this submit one fines and imprisonment, f	information contained my inquiry of those inc his submittal is, to the b this attestation on beha tal is made am/is aware	in this submittal, lividuals immedia best of my knowle If of the entity leg that there are s	including a ately respored gally respored ignificant pe	ny and all do sible for obt elief, true, ac sible for this enalties, inclu	ocuments ac aining the in ccurate and (submittal. I uding, but no	formation, the complete, and (ii /the person or	5
exam transm mater that I entity possil	ined and am familiar with the nittal form, (ii) that, based or ial information contained in t am fully authorized to make on whose behalf this submit ole fines and imprisonment, f Frank Dougherty	information contained my inquiry of those inc his submittal is, to the b this attestation on beha tal is made am/is aware or willfully submitting fa	in this submittal, lividuals immedia best of my knowle If of the entity leg that there are s	including a ately respor edge and be gally respor ignificant pe or incomple 3. Title:	ny and all do sible for obt elief, true, ac sible for this enalties, inclu te information	ocuments ac aining the in ccurate and (submittal. I uding, but no	companying this formation, the complete, and (ii //the person or	5
exam transm mater that I entity possil . By:	ined and am familiar with the nittal form, (ii) that, based or ial information contained in t am fully authorized to make on whose behalf this submit ole fines and imprisonment, f Frank Dougherty	information contained my inquiry of those inc his submittal is, to the b this attestation on beha tal is made am/is aware or willfully submitting fa	in this submittal, lividuals immedia pest of my knowle If of the entity leg that there are s lse, inaccurate, o	including a ately respor edge and be gally respor ignificant pe or incomple	ny and all do sible for obt elief, true, ac sible for this enalties, inclu	ocuments ac aining the in ccurate and (submittal. I uding, but no	companying this formation, the complete, and (ii /the person or ot limited to,	5
exam transm mater that I entity possil . By: . For:	ined and am familiar with the nittal form, (ii) that, based or ial information contained in t am fully authorized to make on whose behalf this submit ole fines and imprisonment, f Frank Dougherty	information contained my inquiry of those inc his submittal is, to the b this attestation on beha tal is made am/is aware for willfully submitting fa C or entity recorded in Se the person providing ce	in this submittal, lividuals immedia best of my knowle If of the entity leg that there are s lse, inaccurate, o ction G ertification is diffe	including a ately respor edge and be gally respor ignificant pe or incomple 3. Title: 5. Date: erent from a	ny and all do sible for obt elief, true, ac sible for this enalties, inclu te information 7/24/2012 ddress recor	cuments ac aining the in curate and d submittal. I uding, but no n (mm/dd/yyy	companying this formation, the complete, and (ii /the person or ot limited to,	i)
exam transm mater that I entity possil . By: . For: 6. 0 7. Stro	ined and am familiar with the nittal form, (ii) that, based or ial information contained in t am fully authorized to make on whose behalf this submit ole fines and imprisonment, f Frank Dougherty TWENTY WAYLAND LL (Name of person) Check here if the address of	information contained my inquiry of those inc his submittal is, to the b this attestation on beha tal is made am/is aware or willfully submitting fa C or entity recorded in Se the person providing ce	in this submittal, lividuals immedia pest of my knowle If of the entity leg that there are s lse, inaccurate, of ction G ertification is diffe	including a ately respor edge and be gally respor ignificant pe or incomple 3. Title: 5. Date: erent from a	ny and all do sible for obt elief, true, ac sible for this enalties, inclu te information 7/24/2012 ddress recor	couments ac aining the in courate and o submittal. I uding, but no n (mm/dd/yyy ded in BWS	ecompanying this formation, the complete, and (ii /the person or ot limited to, yy) SC112 Section H	; ;)
exam transv mater that I entity possil . By: . For . 6. 7. Stro 8. City	ined and am familiar with the nittal form, (ii) that, based or ial information contained in t am fully authorized to make on whose behalf this submit ole fines and imprisonment, f Frank Dougherty TWENTY WAYLAND LL (Name of person Check here if the address of eet:	information contained my inquiry of those inc his submittal is, to the b this attestation on beha tal is made am/is aware or willfully submitting fa C or entity recorded in Se the person providing ce	in this submittal, lividuals immedia best of my knowle of the entity leg that there are s lse, inaccurate, of ction G ertification is diffe	including a ately respor edge and be gally respor ignificant pe or incomple 3. Title: 5. Date: erent from a	ny and all do sible for obt elief, true, ac sible for this enalties, inclu te information 7/24/2012 ddress recor	cuments ac aining the in curate and d submittal. I uding, but no n (mm/dd/yyy ded in BWS	ecompanying this formation, the complete, and (ii /the person or ot limited to, yy) SC112 Section H	; i))

	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
		Release Tracking Number
	BILL OF LADING (pursuant to 310 CMR 40.0030)	3 - 13302
A. LOCATION	OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED):
	Name/Location Aid:	
2. Street Ad	dress: 430 BOSTON POST RD	
3. City/Town	WAYLAND 4. Zip Code: 017	7780000
✓ 5. Chee	ck her if a Tier Classification Submittal has been provided to DEP for this disposal site	:
	a. Tier 1A 🖌 b. Tier 1B 🗌 b. Tier 1C 🗌 d. Tier II	
6. If applicat	ble provide the Permit Number:	
B. THIS FORM	IS BEING USED TO: (check one: B1-B4):	
	mit a Bill of Lading (BOL) to transport Remediation Waste to Temporary Storage or	a Receiving Facility.
	ponse Actions associated with this BOL (check all that apply): a. Immediate Response Action (IRA)	tions
tonumuf amonana	b. Release Abatement Measure (RAM) f Limited Removal Action (LRA	
	c. Downgradient Property Status (DPS) (must be retained pursuant to 40.0034(6); can't be submitte	310 CMR
	d. Utility Release Abatement Measure (URAM) g. Other	
3. Subi	mit an Attestation of Completion of Shipment to Temporary Storage (Sections C, F a mit an Attestation of Completion of Shipment to a Receiving Facility (Sections C, F a ify that Remediation Waste Was Not Shipped, and the Bill of Lading is Void . (Sect irred)	and J are not required):
5. Date Bill of	Lading submitted to the Department: b. eDEP Transaction ID:	
6. Period of G	to 1/13/2012 to 1/13/2012 (mm/dd/yyyy) (mm/dd/yyyy))
	Il sections of this transmittal form must be filled out unless otherwise noted) ding is not considered complete until the Attestation of Completion of Shipment is rece	ived by the Department.
	ON OF WASTE AND WASTE SOURCE:	
1. Contamin I a. So	ated Media /Debris (check all that apply): il D. Groundwater C. Surface Water d. Sediment e.	Vegetation or Organic Debris
🗌 f. De	molition/Construction Waste g. Inorganic Absorbent Materials h. Other:	
2. Uncontain	erized Waste (check all that apply):	
	norganic Absorbent Materialsb. Other:	

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):	
3. Containerized Waste (check all that apply):	
a. Tank Bottoms/Sludges b. Containers c. Drums d. Engineered	mpoundments
e. Other	
4. Estimated Quantity: 5 Tons 🖌 Cu. Yds. Gallons	
5. Contaminant Source (check one):	
a. Transportation Accident D. Underground Storage Tank C. Brownfields Re	edevelopment
d. Other: FORMER HYDRAULIC LIFT	
6. Type of Contaminant (check all that apply):	
a. Gasoline b. Diesel Fuel c. #2 Fuel Oil d. #4 Fuel Oil e. #6 Fu	el Oil 🚺 f. Jet Fuel
g. Waste Oil ☐ h. Kerosene ☐ i. Chlorinated Solvents ☐ j. Urban Fill ☑ k	
7. Constituents of Concern (check all that apply):	
a. As b. Cd c. Cr d. Pb e. Hg 🖌 f. EPH/TPH	g. VPH
h. PCBs i. VOCs j. SVOCs k. Other:	
 8. If applicable, check the box for the Reportable Concentration Category of the site: a. RCS-1 b. RCS-2 c. RCGW-1 d. RCGW-2 	
9. Remediation Waste Characterization Documentation (check at least one):	
a. Site History Information 🖌 b. Sampling Analytical Methods and Procedures	c. Laboratory Data
d. Field Screening Data e. Characterization Documentation previously submitted to	the Department
i. Date submitted: ii. Type of Documentation:	
D. TRANSPORTER OR COMMON CARRIER INFORMATION:	
1. Transporter/Common Carrier Name: CPR GROUP	
2. Contact First Name: REGGIE 3. Last Name: SAUNDERS	
4. Street: 2 GIBSON ROAD 5. Title:	
	40000
6. City/Town: SCARBOROUGH 7. State: ME 8. Zip Code: 04074	40000
9. Telephone: 207 883 3325 10. Ext: 11. Fax: 207 883 11	21

Massachusetts Department of Environmental Protection BWSC112 Bureau of Waste Site Cleanup BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)
BILL OF LADING (pursuant to 310 CMR 40.0030) 3 - 13302
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:
1. Operator/Facility Name CPR GROUP
2. Contact First Name: REGGIE 3. Last Name: SAUNDERS
4. Street: 2 GIBSON ROAD 5. Title:
6. City/Town: SCARBOROUGH 7. State: ME 8. Zip Code: 040740000
9. Telephone: 207 883 3325 10. Ext: 11. Fax: 207 883 1121
12. Type of Facility: (Check one)
a. Temporary Storage i. Period of Temporary Storage: to (mm/dd/yyyy) to (mm/dd/yyyy)
ii. Reason for Temporary Storage:
✓ b. Asphalt Batch/Hot Mix c. Landfill/Disposal d. Landfill/Structural Fill e. Landfill/Daily Cover
f. Asphalt Batch/Cold Mix g. Thermal Processing h. Incinerator i. Other:
13. Division of Hazardous Waste/Class A Permit Number:
14. Division of Solid Waste Permit Number: S-021243-WK-A-N
15. EPA Identification Number:
I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal 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, the assessment action(s) undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described 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 #: 9092
2. First Name: JAMES B 3. Last Name: OBRIEN
4. Telephone: 7819526000 5. Ext.
6. FAX:
7. Signature: Jaines B Oblien
8. Date: 1/23/2012 (mm/dd/yyyy) 9. LSP Stamp:
Revised: 03/10/2010 Page 3 of 5

	Massachusetts Department of Environmental Protection	BWSC112
	Bureau of Waste Site Cleanup	
	BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
G. PERSON SU	BMITTING BILL OF LADING:	
1. Check all t		e. change in person undertaking response actions
2. Name of O	rganization: TWENTY WAYLAND LLC	
3. Contact Fir	st Name: FRANK 4. Last Name: DOUGHE	RTY
5. Street: 10	MEMORIAL BLVD SUITE 901 6. Title:	
7. City/Town:	PROVIDENCE 8. State: RI 9. Zip Code:	029030000
10. Telephone	4012738600 11. Ext 12. Fax:	
H. RELATIONS	HIP TO SITE OF PERSON SUBMITTING BILL OF LADING:	eck here to change relationship
1. RP or PRI	P:a. Ownerb. Operatorc. Generatord. Transporter	
	e. Other RP or PRP Specify: NON-SPECIFIED PRP	
3	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	
I. REQUIRED A	ITACHMENTS AND SUBMITTALS :	
permit(s)	here if the Response Action(s) on which this opinion is based, if any, are (were) sul and/or approvals issued by DEP or EPA. If the box is checked, you must attach a s e provisions thereof.	bject to any order(s), statement identifying the
2. Check BWSC.eD	here if any non-updatable information provided on this form is incorrect, e. g. proper EP@state.ma.us	rty address. Send corrections to
3. Check	here to certify that the LSP Opinion containing the material facts, data, and other in	formation is attached.
J. CERTIFICATIO	N OF PERSON SUBMITTING BILL OF LADING :	
transmittal form, material informa that I am fully au entity on whose	herty , attest under the pains and penalties or per m familiar with the information contained in this submittal, including any and all doc (ii) that, based on my inquiry of those individuals immediately responsible for obtain tion contained in this submittal is, to the best of my knowledge and belief, true, acc uthorized to make this attestation on behalf of the entity legally responsible for this submittal is made am/is aware that there are significant penalties, include and imprisonment, for willfully submitting false, inaccurate, or incomplete information	cuments accompanying this ining the information, the curate and complete, and (iii) submittal. I/the person or ding, but not limited to,
2. By: Frank De	ougherty 3. Title:	·····
TWENTY	WAYLAND LLC	
	Name of person or entity recorded in Section II)	mm/dd/yyyy)

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number
DIEL OF EADING (pursuant to 310 CMR 40.0030)	3 - 13302
J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.) :	<u></u>
6. Check here if the address of the person providing certification is different from address reco	orded in Section H.
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 \$ BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL	10,000 PER
SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE ALL SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRI	TE. IF YOU
Date Stamp (MassDEP USE ONLY):	
Received by DEP on	
Received by DEP on	
1/23/2012 7:09:20 PM	

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112			
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302			
A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED);			
1. Release Name/Location Aid: RAYTHEON COMPANY				
2. Street Address: 430 BOSTON POST RD				
3. City/Town: WAYLAND 4. Zip Code: 017	780000			
5. Check her if a Tier Classification Submittal has been provided to DEP for this disposal site:				
a. Tier 1A b. Tier 1B √ b. Tier 1C d. Tier II				
6. If applicable provide the Permit Number: 133939				
B. THIS FORM IS BEING USED TO: (check one: B1-B4):				
 Submit a Bill of Lading (BOL) to transport Remediation Waste to Temporary Storage or a Response Actions associated with this BOL (check all that apply): a. Immediate Response Action (IRA) b. Release Abatement Measure (RAM) f Limited Removal Action (LRA (must be retained pursuant to 	tions): 310 CMR			
d. Utility Release Abatement Measure (URAM) g. Other				
2. Submit an Attestation of Completion of Shipment to Temporary Storage (Sections C, F a	and J are not required):			
3. Submit an Attestation of Completion of Shipment to a Receiving Facility (Sections C, F a	and J are not required):			
4. Certify that Remediation Waste Was Not Shipped, and the Bill of Lading is Void. (Secti required)	ons C, D, E, and F are not			
5. Date Bill of Lading submitted to the Department: 1/23/2012 7:09:20 (mm/dd/yyyy) b. eDEP Transaction ID:	446352			
6. Period of Generation Associated with this Bill of Lading 1/13/2012 to 1/13/2012 (mm/dd/yyyy) (mm/dd/yyyy)				
(All sections of this transmittal form must be filled out unless otherwise noted) The Bill of Lading is not considered complete until the Attestation of Completion of Shipment is recei	ived by the Department.			
C. DESCRIPTION OF WASTE AND WASTE SOURCE:				
1. Contaminated Media /Debris (check all that apply):				
	Vegetation or Organic Debris			
f. Demolition/Construction Waste g. Inorganic Absorbent Materials h. Other:				
2. Uncontainerized Waste (check all that apply):				
a. Inorganic Absorbent Materials b. Other:				

Revised: 03/10/2010 ver9.10.1.0

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup Release Tracking	
BILL OF LADING (pursuant to 310 CMR 40.0030) 3 - 13302	
C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):	
3. Containerized Waste (check all that apply):	
a. Tank Bottoms/Sludges 🔲 b. Containers 🔲 c. Drums 🔲 d. Engineered Impoundments	
e. Other	
4. Estimated Quantity:	
5. Contaminant Source (check one):	
a. Transportation Accident b. Underground Storage Tank c. Brownfields Redevelopment	
d. Other:	
6. Type of Contaminant (check all that apply):	
a. Gasoline b. Diesel Fuel c. #2 Fuel Oil d. #4 Fuel Oil e. #6 Fuel Oil	et Fuel
g. Waste Oil 🔲 h. Kerosene 🦳 i. Chlorinated Solvents 🛄 j. Urban Fill 🔲 k. Other:	
7. Constituents of Concern (check all that apply):	
a. As b. Cd c. Cr d. Pb e. Hg f. EPH/TPH g. VPH	
h. PCBs i. VOCs j. SVOCs k. Other:	
8. If applicable, check the box for the Reportable Concentration Category of the site:	
a. RCS-1 b. RCS-2 c. RCGW-1 d. RCGW-2	
9. Remediation Waste Characterization Documentation (check at least one):	
a. Site History Information b. Sampling Analytical Methods and Procedures c. Laboratory Data	١
d. Field Screening Data e. Characterization Documentation previously submitted to the Department	
i. Date submitted: ii. Type of Documentation:	
D. TRANSPORTER OR COMMON CARRIER INFORMATION:	
1. Transporter/Common Carrier Name: BRIGHTER HORIZONS ENVIRONMENTAL INC	
4. Street: 4 COURTHOUSE LANE UNIT 14 5. Title: CFO	
6. City/Town: CHELMSFORD 7. State: MA 8. Zip Code: 018240000	
9. Telephone: 9789700500 10. Ext: 11. Fax:	

Massachusetts Departmen Bureau of Waste Site Clean		rotection	BWSC112	
			lease Tracking Number	
BILL OF LADING (pursuant to	310 CMR 40.0030)	3	- 13302	
E. RECEIVING FACILITY/TEMPORARY STORAGE L	DCATION:			
1. Operator/Facility Name CPRC GROUP				
2. Contact First Name: REGGIE	3. Last Nar	e: SAUNDERS		
4. Street: 2 GIBSON ROAD	5. T	tle:		
6. City/Town: SCARBOROUGH	7. State: ME 8.	Zip Code: 040740000)	
9. Telephone: 207 883 3325] 10. Ext: 11.	Fax: 207 883 1121		
12. Type of Facility: (Check one)				
a. Temporary Storage i. Period of Temporary	Storage:(mm/dd/yyyy)	to (mm/dd/yyy	y)	
ii. Reason for Temporary Storage:				

b. Asphalt Batch/Hot Mix C. Landfil	- Laurent		e. Landfill/Daily Cover	
Konsend Konsend	al Processingh. Incine	rator i. Other:		
13. Division of Hazardous Waste/Class A Permit Nur				
14. Division of Solid Waste Permit Number: S-0212	+J-44K-A-N			
15. EPA Identification Number:				
F. LSP SIGNATURE AND STAMP: I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal 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, the assessment action(s) undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal.				
I am aware that significant penalties may result, includi which I know to be false, inaccurate or materially incom	ng, but not limited to, possible plete.	fines and imprisonmer	nt, if I submit information	
1. LSP #:				
2. First Name:	3. Last Name:			
4. Telephone: 5.	Ext.			
6. FAX:				
7. Signature:				
8. Date:	9. L	SP Stamp:		
(mm/dd/yyyy)				
Device de 02/40/2040				

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number
	3 - 13302
G. PERSON SUBMITTING BILL OF LADING:	
	hange in person ndertaking response actions
2. Name of Organization: TWENTY WAYLAND LLC [®]	
3. Contact First Name: FRANK 4. Last Name: DOUGHERT	Υ
5. Street: 10 MEMORIAL BLVD SUITE 901 6. Title:	
7. City/Town: PROVIDENCE 8. State: RI 9. Zip Code: 0	29030000
10. Telephone: 4012738600 11. Ext 12. Fax:	
H. RELATIONSHIP TO SITE OF PERSON SUBMITTING BILL OF LADING:	here to change relationship
✓ 1. RP or PRP: a. Owner b. Operator c. Generator d. Transporter	
e. Other RP or PRP Specify: NON-SPECIFIED PRP	
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	
I. REQUIRED ATTACHMENTS AND SUBMITTALS :	
1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject permit(s) and/or approvals issued by DEP or EPA. If the box is checked, you must attach a state applicable provisions thereof.	ct to any order(s), tement identifying the
2. Check here if any non-updatable information provided on this form is incorrect, e. g. property BWSC.eDEP@state.ma.us	address. Send corrections to
3. Check here to certify that the LSP Opinion containing the material facts, data, and other inform	mation is attached.
J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING :	-
1. I,, attest under the pains and penalties or perjue examined and am familiar with the information contained in this submittal, including any and all docum transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining material information contained in this submittal is, to the best of my knowledge and belief, true, accurate that I am fully authorized to make this attestation on behalf of the entity legally responsible for this sub- entity on whose behalf this submittal is made am/is aware that there are significant penalties, including possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.	nents accompanying this ng the information, the ate and complete, and (iii) ponittal. I/the person or
2. By: 3. Title:	
4. For 5. Date: 5. Date:	
(Name of person or entity recorded in Section H) (mm	n/dd/yyyy)

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Numbe
CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.) : 6. Check here if the address of the person providing certification is different from address red	corded in Section H.
7. Street:9. State:10. Zip Code	:
1. Telephone: 12. Ext 13. Fax:	
YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPL SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIR	L RELEVANT ETE. IF YOU
ite Stamp (MassDEP USE ONLY):	
Received by DEP on	
7/25/2012 9:13:11 AM	

Bureau o	usetts Department of Env f Waste Site Cleanup LADING (pursuant to 310 CMR 4		BWSC112A Release Tracking Number
	Y OF SHIPMENT SHEET	OF 1	3 - 13302
A. SUMMARY OF SHIPMEN	T (To be filled out by the receiving	g facility upon receipt of Remediati	on Waste):
1. Date of Shipment: (mm/dd/yyyy)	2. Date of Receipt: (mm/dd/yyyy)	3. Number of Loads Shipped:	4. Daily Volume Shipped: yds ³
1/25/2012	1/25/2012	1	6.42
	_		
			na para sanakan c
1)			
5. Totals Recorded on this Su	mmary of Shipment Sheet:	1	6.42
B. Check here if additiona	I BWSC112A BOL Summary Sheet	s are needed.	

Massachusetts Departmen Bureau of Waste Site Cleanu		ental Pr	otection		BWSC112B
BILL OF LADING (pursuant to SUMMARY SHEET SIGNATURE				3	- 13302
A. ACKNOWLEDGEMENT OF RECEIPT OF REMEDIA	ATION WASTE AT		S EACILITY		DADY STODACE
Mercie Menteguie					
1. I, Marcia Montague examined and am familiar with the information contain transmittal form, (ii) that, based on my inquiry of those material information contained in this submittal is, to t that I am fully authorized to make this attestation on b entity on whose behalf this submittal is made am/is an possible fines and imprisonment, for willfully submittin	ned in this submittal individuals immedi he best of my knowl whalf of the entity le ware that there are s	, including a ately respo edge and b gally respo significant p	any and all on nsible for ot pelief, true, a nsible for th penalties, inc	documents a otaining the accurate and is submittal. cluding, but	information, the complete, and (iii) //the person or
2. By: Marcia Montague		3. Title:			
4. For: TWENTY WAYLAND LLC		5. Date:	3/2/2012		
		J. Dale.	L	(mm/dd/y	vvv)
6. Date of Final Shipment associated with this Bill of La	ading: 1/25/2012	-		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	(m	m/dd/yyyy)			
B. ACKNOWLEDGEMENT OF SHIPMENT AND RECI ACTIONS ASSOCIATED WITH THIS BILL OF LADING	: 7				
1.I, reg saunders	, attest under the	pains and p	enalties or p	perjury (i) th	at I have personally
examined and am familiar with the information contain- transmittal form, (ii) that, based on my inquiry of those material information contained in this submittal is, to th that I am fully authorized to make this attestation on be	individuals immedia e best of my knowle shalf of the entity leg	tely respon dge and be ally respon	sible for obt elief, true, ac sible for this	taining the ir ccurate and s submittal.	nformation, the complete, and (iii) I/the person or
entity on whose behalf this submittal is made am/is aw possible fines and imprisonment, for willfully submitting					ot limited to,
2. By: reg saunders		3. Title:			
4. For: TWENTY WAYLAND LLC		5 Deter	3/6/2012		
(Name of person or entity recorded in	Section G	5. Date:		(mm/dd/yy	
				(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 6. Check here if the address of the person providing 7. Street:			ddress reco	rded in BWS	SC112 Section H.
8. City/Town:	9. State:		10. Zip Cod	de:	
11. Telephone:	10 Est	40 E			
	_ 12. EXI,	IS.F	ax		······································
✓ 14. Check here if attaching optional supporting doct	mentation such as	copies of Lo	oad Informa	tion Summa	ary Sheets
				Ú.	

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup		BWSC112			
	BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302			
A. LOCATION	OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED				
1. Release N	Name/Location Aid: RAYTHEON COMPANY				
2. Street Ad	dress. 430 BOSTON POST RD				
3. City/Town	WAYLAND 4. Zip Code: 017	780000			
	ck her if a Tier Classification Submittal has been provided to DEP for this disposal site:				
	a. Tier 1A b. Tier 1B 🖌 b. Tier 1C d. Tier II				
6. If applicat	ble provide the Permit Number: 133939				
B. THIS FORM	IS BEING USED TO: (check one: B1-B4):				
	mit a Bill of Lading (BOL) to transport Remediation Waste to Temporary Storage or a	Receiving Facility.			
	ponse Actions associated with this BOL (check all that apply):				
	a. Immediate Response Action (IRA)				
,	b. Release Abatement Measure (RAM) f. Limited Removal Action (LRA) (must be retained pursuant to				
	c. Downgradient Property Status (DPS) 40.0034(6); can't be submitted				
	d. Utility Release Abatement Measure (URAM) g. Other				
2. Subr	nit an Attestation of Completion of Shipment to Temporary Storage (Sections C, F ar	nd J are not required):			
✓ 3. Subr	mit an Attestation of Completion of Shipment to a Receiving Facility (Sections C, F a	nd J are not required):			
	ify that Remediation Waste Was Not Shipped, and the Bill of Lading is Void . (Section ired)	ons C, D, E, and F are not			
5. Date Bill of	5. Date Bill of Lading submitted to the Department: 1/13/2012 11:11:3 (mm/dd/yyyy) b. eDEP Transaction ID: 442486				
6. Period of Generation Associated with this Bill of Lading 12/18/2011 to 12/18/2011 (mm/dd/yyyy) (mm/dd/yyyy)					
	Il sections of this transmittal form must be filled out unless otherwise noted) ling is not considered complete until the Attestation of Completion of Shipment is received.	ved by the Department.			
C. DESCRIPTIC	ON OF WASTE AND WASTE SOURCE:				
1. Contamina	ated Media /Debris (check all that apply):				
🔲 a. So	il D. Groundwater C. Surface Water d. Sediment e.	Vegetation or Organic Debris			
f. Demolition/Construction Waste g. Inorganic Absorbent Materials h. Other:					
2. Uncontainerized Waste (check all that apply):					
a. Ir	norganic Absorbent Materialsb. Other:				

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112			
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number			
C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):				
3. Containerized Waste (check all that apply):				
a. Tank Bottoms/Sludges b. Containers c. Drums d. Engineered	Impoundments			
e. Other				
4. Estimated Quantity:				
5. Contaminant Source (check one):				
a. Transportation Accident b. Underground Storage Tank c. Brownfields R	edevelopment			
d. Other:				
6. Type of Contaminant (check all that apply):				
a. Gasoline b. Diesel Fuel c. #2 Fuel Oil d. #4 Fuel Oil e. #6 Fu	uel Oil 🔲 f. Jet Fuel			
g. Waste Oil h. Kerosene i. Chlorinated Solvents j. Urban Fill	k. Other:			
7. Constituents of Concern (check all that apply):				
a. As b. Cd c. Cr d. Pb e. Hg f. EPH/TPH	g. VPH			
h. PCBs i. VOCs j. SVOCs k. Other:				
8. If applicable, check the box for the Reportable Concentration Category of the site:				
9. Remediation Waste Characterization Documentation (check at least one):				
a. Site History Information b. Sampling Analytical Methods and Procedures	c. Laboratory Data			
d. Field Screening Data e. Characterization Documentation previously submitted	to the Department			
i. Date submitted: ii. Type of Documentation:				
D. TRANSPORTER OR COMMON CARRIER INFORMATION:	<u></u>			
1. Transporter/Common Carrier Name: BRIGHTER HORIZONS ENVIRONMENTAL INC				
2. Contact First Name: SHANE 3. Last Name: DUVAL				
4. Street: 4 COURTHOUSE LANE UNIT 14 5. Title: CFO				
	40000			
6. City/Town: CHELMSFORD 7. State: MA 8. Zip Code: 018240000				
9. Telephone: 9789700500 10. Ext: 11. Fax:				

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup BWSC112				
	BILL OF LADING (pursuant to	310 CMR 40.0030)		Release Tracking Number 3 - 13302
E. RECEIVING F	ACILITY/TEMPORARY STORAGE LC	CATION:		
1. Operator/I	Facility Name CPRC GROUP			
2. Contact F	irst Name: REGGIE	3. La	st Name: SAUNDERS	5
4. Street: 2	GIBSON ROAD		5. Title:	
6. City/Town	SCARBOROUGH	7. State: ME	8. Zip Code: 04074	40000
9. Telephone	207 883 3325	10. Ext:	11. Fax: 207 883 1	121
12. Type of F	acility: (Check one)			
a. Temp	orary Storage i. Period of Temporary	Storage: (mm/dd/y	yyy) (mm/d	ld/yyyy)
ii. Rea	ason for Temporary Storage:			
b. As	sphalt Batch/Hot Mix c. Landfill	/Disposal 🔲 d. Li	andfill/Structural Fill	e. Landfill/Daily Cover
🖌 f. As	phalt Batch/Cold Mix 🔲 g. Therma	al Processing 🔲 h.	Incinerator i. Ot	ther:
13. Division of	f Hazardous Waste/Class A Permit Num	nber:		
14. Division of	f Solid Waste Permit Number: S-02124	13-WK-A-N		
15. EPA Ident	tification Number:			
F. LSP SIGNATURE AND STAMP: I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal 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, the assessment action(s) undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described 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 #:				
2. First Name:		3. Last Nam	e: [
4. Telephone: 5. Ext. 5.				
6. FAX:				
7. Signature:				
8. Date:	(mm/dd/yyyy)		9. LSP Stamp:	

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup BWS	C112				
Release Treat	king Number				
BILL OF LADING (pursuant to 310 CMR 40.0030)					
G. PERSON SUBMITTING BILL OF LADING:					
1. Check all that apply: a. change in contact name b. Change of address c. change in person undertaking responses					
2. Name of Organization: TWENTY WAYLAND LLC					
3. Contact First Name: FRANK 4. Last Name: DOUGHERTY					
5. Street: 10 MEMORIAL BLVD SUITE 901 6. Title:					
7. City/Town: PROVIDENCE 8. State: RI 9. Zip Code: 029030000					
10. Telephone: 4012738600 11. Ext. 12. Fax:					
H. RELATIONSHIP TO SITE OF PERSON SUBMITTING BILL OF LADING:					
RELATIONSHIP TO SHE OF PERSON SUBMITTING BILL OF LADING: Check here to change	relationship				
✓ 1. RP or PRP: a. Owner b. Operator c. Generator d. Transporter					
e. Other RP or PRP Specify: NON-SPECIFIED PRP					
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					
I. REQUIRED ATTACHMENTS 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 approvals issued by DEP or EPA. If the box is checked, you must attach a statement identifying the					
 applicable provisions thereof. 2. Check here if any non-updatable information provided on this form is incorrect, e. g. property address. Send corrections to 					
BWSC.eDEP@state.ma.us					
3. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.					
J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING :					
1. I,, attest under the pains and penalties or perjury (i) that I have examined and am familiar with the information contained in this submittal, including any and all documents accompartransmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information contained in the i	nying this				
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: 3. Title:					
4. For 5. Date:					
(Name of person or entity recorded in Section H) (mm/dd/yyyy)					

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112				
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302				
J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.):	R				
6. Check here if the address of the person providing certification is different from address reco	rded in Section H.				
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 (MassDEP USE ONLY):					
Received by DEP on 7/25/2012 9:19:12 AM					
Revised: 03/10/2010	Page 5 of 5				

		BWSC112A		
Bureau of Waste Site Cleanup BILL OF LADING (pursuant to 310 CMR 40.0030)				
	OF 1	3 - 13302		
ENT (To be filled out by the receiving fa	acility upon receipt of Remediati	on Waste):		
2. Date of Receipt: (mm/dd/yyyy)	3. Number of Loads Shipped:	4. Daily Volume Shipped: yds ³ ✓ tons gals		
1/25/2012	1	12.84		
		ſ		
Summary of Shipment Sheet:	1	12.84		
	ARY OF SHIPMENT SHEET ENT (To be filled out by the receiving fa 2. Date of Receipt: (mm/dd/yyyy) 1/25/2012	ARY OF SHIPMENT SHEET 1 OF 1 ENT (To be filled out by the receiving facility upon receipt of Remediati 2. Date of Receipt: (mm/dd/yyyy) 1/25/2012 1 1/25/2012 1 1 1 1 1 1 1 1 1 1 1 1		

	<u> </u>				
Massachusetts Department Bureau of Waste Site Cleanu		ental Pro	otection		BWSC112B
				Releas	e Tracking Number
BILL OF LADING (pursuant to 3 SUMMARY SHEET SIGNATURE				3	- 13302
A. ACKNOWLEDGEMENT OF RECEIPT OF REMEDIA	TION WASTE AT	RECEIVING	FACILITY	OR TEMPO	DRARY STORAGE:
1.I. Marcia Montague	. attest under the	pains and	oenalties or i	neriury (i) th	nat I have personally
examined and am familiar with the information contain	ed in this submittal,	including a	any and all d	ocuments a	ccompanying this
transmittal form, (ii) that, based on my inquiry of those material information contained in this submittal is, to the	individuals immedi be best of my knowl	ately respo edge and b	nsible for ob elief, true, a	taining the i courate and	nformation, the
that I am fully authorized to make this attestation on be	ehalf of the entity le	gally respo	nsible for this	s submittal.	I/the person or
entity on whose behalf this submittal is made am/is aw possible fines and imprisonment, for willfully submitting	are that there are s g false, inaccurate,	or incomple	enalties, incl ete informatio	luding, but r on.	not limited to,
2. By: Marcia Montague		3. Title:			
4. For: TWENTY WAYLAND LLC		5. Date:	3/2/2012		
		- Duio.		(mm/dd/y	<i>у</i> уу)
6. Date of Final Shipment associated with this Bill of La	· ·	m/dd/yyyy)			
	(11)	in vuu yyyy)			
B. ACKNOWLEDGEMENT OF SHIPMENT AND RECE ACTIONS ASSOCIATED WITH THIS BILL OF LADING:	IPT OF REMEDIAT	TION WAS	TE BY PERS	SON COND	UCTING RESPONSE
1 Frank Dougherty	1				
examined and am familiar with the information containe	<u>]</u> , attest under the p d in this submittal. i	pains and p including ar	enalties or p ov and all do	erjury (i) tha cuments ac	at I have personally
transmittal form, (ii) that, based on my inquiry of those i	ndividuals immedia	tely respon	sible for obta	aining the in	formation, the
material information contained in this submittal is, to the that I am fully authorized to make this attestation on bel	e best of my knowle	edge and be	elief, true, act sible for this	curate and o	complete, and (iii)
entity on whose behalf this submittal is made am/is awa	are that there are si	gnificant pe	nalties, inclu	iding, but no	ot limited to,
possible fines and imprisonment, for willfully submitting 2 By: Frank Dougherty	false, inaccurate, o		e informatio	n	
2. By: Frank Dougnerty		3. Title:			
4. For: TWENTY WAYLAND LLC		5. Date:	7/24/2012		
(Name of person or entity recorded in S	Section G	o. Datori		(mm/dd/yyy	yy)
6. Check here if the address of the person providing	certification is differ	rent from ac	Idress record	ded in BWS	C112 Section H.
7. Street:					
8. City/Town:	_ 9. State:		10. Zip Cod	e:	
11. Telephone:	12 Ext	13 F	av.		
		10.1	un		
✓ 14. Check here if attaching optional supporting docu	mentation such as	copies of Lo	oad Informati	ion Summa	ry Sheets



Vertex -TCS, LLC Vertex 合同会社 Vertex Engineering, PC Vertex International LLC Vertex Air Quality Services, LLC Vertex Construction Services, Inc. Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Ingenieros Consultores, S. de R.L. de C.V.

Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

January 25, 2013

Massachusetts Department of Environmental Protection Northeast Region Bureau of Waste Site Cleanup 205B Lowell Street Wilmington, Massachusetts 01887

RE: Bill Of Lading Part B

Former Raytheon Facility 430 Boston Post Road Wayland, Massachusetts RTN 3-13302

To Whom It May Concern:

VERTEX Environmental Services, Inc. (VERTEX) is performing oversight of Release Abatement Measure (RAM) activities at 430 Boston Post Road in Wayland, Massachusetts (the Site). On April 12, 2012, a total of two stockpiles comprising approximately 30 cubic yards of impacted soil was transported off-Site for recycling. Bills of Lading (BOLs) were prepared for the stockpiled material based upon the source of impacts to the material. Each separate stockpile was sampled for disposal characterization separately. A separate BOL was prepared for each stockpile based upon the disposal characterization data. Stockpiles were identified by the disposal characterization name, as presented in the table below. Because additional work was conducted in this area BOL Part B was not submitted until it was confirmed that additional soil from the areas where these stockpiles were generated would not require off-site disposal.

Because the stockpiles volumes were less than the total capacity of the transporting truck and because stockpiled material was being transported to the same receiving facility for disposal, the two stockpiles were combined for transport. As a result, a portion of the tonnage presented on the weight slips for those stockpiles include tonnage from two separate stockpiles. To provide a more accurate description of the tonnage removed from the site per stockpile, the estimated percentage composition in each truck was calculated by VERTEX and the tonnage presented on the weight slip







was divided accordingly. The following describes the tonnage transported from the site, and includes the estimated tonnage derived from each on-site stockpile and identifies the truck used to transport the material.

Stockpile	Truck	Truck	Approximate	Approximate	eDEP BOL
Disposal Sample Identification	Number	Tonnage	Percentage	Actual	Transaction
			in Truck	Tonnage	Number
Transported April 12, 2012					
DISP-0124	1	29.00	33	9.67	466736
Basin 7	1	29.00	67	19.33	466168

Notes:

- 1. Stockpile Disposal Sample Identification is based upon the sample identification on the laboratory report.
- 2. Truck tonnage = total tonnage presented the truck weight slip
- 3. Approximate Truck percentage = percentage (volume) of the truck that the noted stockpile occupied.
- 4. Approximate Actual tonnage = the truck tonnage and the truck percentage were used to calculate the actual tonnage

If questions regarding the BOLs, please feel free to contact the undersigned at (781) 952-6000.

Jesse M. Freeman, EIT Senior Project Manager

James B. O'Brien, LSP President



Environmental

Air Quality

ii



	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
		Release Tracking Number
	BILL OF LADING (pursuant to 310 CMR 40.0030)	3 - 13302
A. LOCATION	OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED):
1. Release I	Name/Location Aid: RAYTHEON COMPANY	· ···· -
2. Street Ad	dress: 430 BOSTON POST RD	
3. City/Town	WAYLAND 4. Zip Code: 017	780000
	ck her if a Tier Classification Submittal has been provided to DEP for this disposal site	:
	a. Tier 1A 🔲 b. Tier 1B 🗹 b. Tier 1C 🗌 d. Tier II	
6. If applicat	ble provide the Permit Number: 133939	
B. THIS FORM	IS BEING USED TO: (check one: B1-B4):	·····
	mit a Bill of Lading (BOL) to transport Remediation Waste to Temporary Storage or	a Receiving Facility.
	ponse Actions associated with this BOL (check all that apply): a. Immediate Response Action (IRA)	ctions
	b. Release Abatement Measure (RAM) f Limited Removal Action (LRA	
	c. Downgradient Property Status (DPS) (must be retained pursuant to 40.0034(6); can't be submitte	
	d. Utility Release Abatement Measure (URAM)	
2. Sub	mit an Attestation of Completion of Shipment to Temporary Storage (Sections C, F a	and J are not required):
✓ 3. Sub	mit an Attestation of Completion of Shipment to a Receiving Facility (Sections C, F a	and J are not required):
	ify that Remediation Waste Was Not Shipped, and the Bill of Lading is Void . (Sect irred)	ions C, D, E, and F are not
5. Date Bill of	Lading submitted to the Department: 4/3/2012 5:24:52 (mm/dd/yyyy) b. eDEP Transaction ID:	448793
6. Period of G	eneration Associated with this Bill of Lading 1/24/2012 to 1/24/2012 (mm/dd/yyyy) (mm/dd/yyyy)	
	Il sections of this transmittal form must be filled out unless otherwise noted) ding is not considered complete until the Attestation of Completion of Shipment is rece	ived by the Department.
	ON OF WASTE AND WASTE SOURCE:	
1. Contamin	ated Media /Debris (check all that apply): il	Vegetation or Organic Debris
f. De	molition/Construction Waste 🔲 g. Inorganic Absorbent Materials 🔲 h. Other:	
2. Uncontair	erized Waste (check all that apply):	
a. 1	norganic Absorbent Materialsb. Other:	

Revised: 03/10/2010 ver9.10.1.0

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number
C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):	
3. Containerized Waste (check all that apply):	
a. Tank Bottoms/Sludges b. Containers c. Drums d. Engineered	Impoundments
e. Other	
4. Estimated Quantity:	
5. Contaminant Source (check one):	
a. Transportation Accident b. Underground Storage Tank c. Brownfields R	tedevelopment
d. Other:	
6. Type of Contaminant (check all that apply):	
a. Gasoline b. Diesel Fuel c. #2 Fuel Oil d. #4 Fuel Oil e. #6 Fu	uel Oil 🔲 f. Jet Fuel
g. Waste Oil h. Kerosene i. Chlorinated Solvents j. Urban Fill	k. Other:
7. Constituents of Concern (check all that apply):	
a. As b. Cd c. Cr d. Pb e. Hg f. EPH/TPH	g. VPH
h. PCBs i. VOCs j. SVOCs k. Other:	
8. If applicable, check the box for the Reportable Concentration Category of the site:	
a. RCS-1 b. RCS-2 c. RCGW-1 d. RCGW-2	
9. Remediation Waste Characterization Documentation (check at least one):	
a. Site History Information b. Sampling Analytical Methods and Procedures	c. Laboratory Data
d. Field Screening Data e. Characterization Documentation previously submitted	to the Department
i. Date submitted:	
(mm/dd/yyyy) D. TRANSPORTER OR COMMON CARRIER INFORMATION:	
1. Transporter/Common Carrier Name: BRIGHTER HORIZONS ENVIRONMENTAL INC	2
2. Contact First Name: SHANE 3. Last Name: DUVAL	
4. Street: 4 COURTHOUSE LANE UNIT 14 5. Title: CFO	
6. City/Town: CHELMSFORD 7. State: MA 8. Zip Code: 0182	240000
9. Telephone: (978) 970-0500 10. Ext: 11. Fax:	······································

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030) Release Tracking Number 3 -13302
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:
1. Operator/Facility Name CHAMPION CITY RECYCLING
2. Contact First Name: C 3. Last Name: MORGAN
4. Street: 138 WILDER STREET 5. Title:
6. City/Town: BROCKTON 7. State: MA 8. Zip Code: 023010000
9. Telephone: (508) 941-6700 10. Ext: 11. Fax:
12. Type of Facility: (Check one)
a. Temporary Storage i. Period of Temporary Storage: to (mm/dd/yyyy) to (mm/dd/yyyy)
ii. Reason for Temporary Storage:
b. Asphalt Batch/Hot Mix C. Landfill/Disposal C. Landfill/Structural Fill .
✓ f. Asphalt Batch/Cold Mixg. Thermal Processingh. Incineratori. Other:
13. Division of Hazardous Waste/Class A Permit Number:
14. Division of Solid Waste Permit Number:
15. EPA Identification Number:
F. LSP SIGNATURE AND STAMP:
I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal 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, the assessment action(s) undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described 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 #:
2. First Name: 3. Last Name:
4. Telephone: 5. Ext.
6. FAX:
7. Signature:
8. Date: 9. LSP Stamp: (mm/dd/yyyy)

K	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
	BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
G. PERSON SU	BMITTING BILL OF LADING:	
1. Check all		ange in person dertaking response actions
2. Name of (Organization: TWENTY WAYLAND LLC	
3. Contact F	irst Name: FRANK 4. Last Name: DOUGHERTY	(
5. Street: 10	MEMORIAL BLVD SUITE 9016. Title:	
7. City/Town	PROVIDENCE 8. State: RI 9. Zip Code: 02	29030000
10. Telephon	e: 4012738600 11. Ext. 12. Fax:	
H. RELATIONS	HIP TO SITE OF PERSON SUBMITTING BILL OF LADING:	here to change relationship
1. RP or PF		
	I e. Other RP or PRP Specify: NON-SPECIFIED PRP No. Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c.21E, s.2):	
12	or Public Utility on a Right of Way (as defined by M.G.L. c.21E, s.5(j))	
4. Any Othe	er person Undertaking Response Actions: Specify Relationship	
I. REQUIRED	ATTACHMENTS AND SUBMITTALS :	
permit(s	k here if the Response Action(s) on which this opinion is based, if any, are (were) subjec) and/or approvals issued by DEP or EPA. If the box is checked, you must attach a state le provisions thereof.	
	there if any non-updatable information provided on this form is incorrect, e.g. property a DEP@state.ma.us	address. Send corrections to
3. Check	there to certify that the LSP Opinion containing the material facts, data, and other inform	nation is attached.
J. CERTIFICATI	ON OF PERSON SUBMITTING BILL OF LADING :	
1.1, FRAN		y (i) that I have personally
examined and transmittal form	am familiar with the information contained in this submittal, including any and all docume n, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining	ents accompanying this
material inform	ation contained in this submittal is, to the best of my knowledge and belief, true, accurat	te and complete, and (iii)
entity on whos	authorized to make this attestation on behalf of the entity legally responsible for this subr e behalf this submittal is made am/is aware that there are significant penalties, including	nittal. I/the person or , but not limited to.
possible fines	and imprisonment, for willfully submitting false, inaccurate, or incomplete information.	1
2. ву:	num & Daughuty 3. Title: Divetor	8 Development
4. For Jule	1/25/13 5. Date: 1/25/13	
	(Name of person or entity recorded in Section H) (mm/	/dd/yyyy)

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.) :	anner einer ei
6. Check here if the address of the person providing certification is different from address	recorded in Section H.
7. Street:	
3. City/Town:9. State:10. Zip Co	de:
11. Telephone: 12. Ext	
YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP T BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE A SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOM SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQ	ALL RELEVANT PLETE. IF YOU
ate Stamp (MassDEP USE ONLY):	
	1



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

BWSC112A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY OF SHIPMENT SHEET

	3

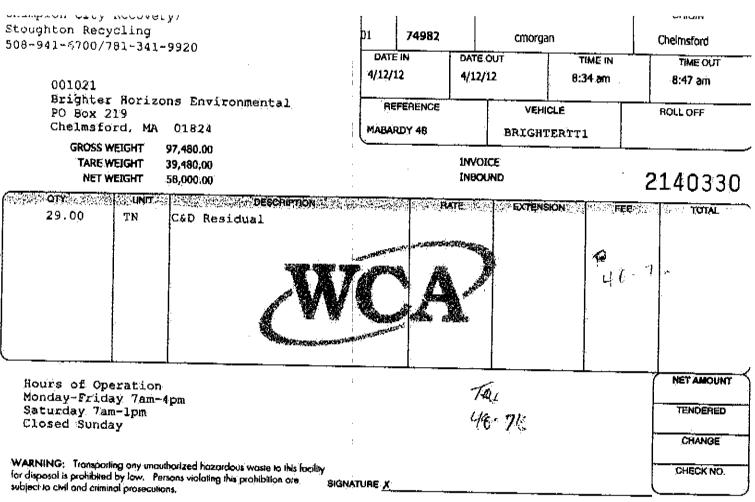
A. SUMMARY OF SHIPMENT (To be filled out by the receiving facility upon receipt of Remediation Waste):

OF 1

1. Date of Shipment: (mm/dd/yyyy)	2. Date of Receipt: (mm/dd/yyyy)	3. Number of Loads Shipped:	4. Daily Volume Shipped: yds ³ √tons gals
4/12/2012	4/12/2012	1	19.33
	-		
5. Totals Recorded on this St	ummany of Shinment Sheet:	1	19.33
	al BWSC112A BOL Summary Shee		13.55

	chusetts Department of Environ	mental Protection	
Bureau	of Waste Site Cleanup		BWSC112B
BILLO	OF LADING (pursuant to 310 CMR 40.0030)		Release Tracking Number
SUMMA	RY SHEET SIGNATURE PAGE		3 - 13302
	OF RECEIPT OF REMEDIATION WASTE	T RECEIVING FACILIT	Y OR TEMPORARY STORAGE:
transmittal form, (ii) that, material information contr that I am fully authorized entity on whose behalf th	cka, attest under t ir with the information contained in this submit based on my inquiry of those individuals imm ained in this submittal is, to the best of my kni to make this attestation on behalf of the entity is submittal is made am/is aware that there are onment, for willfully submitting false, inaccura	tal, including any and all ediately responsible for c owledge and belief, true, r legally responsible for t e significant penalties, in	bbtaining the information, the accurate and complete, and (iii) this submittal. I/the person or coluding, but not limited to
2. By: Ec	Brdich	3. Title: VICE 1	PRESIDENT, ENGINEER
4. For: Sunny F	arms Landfill	5. Date: 1	/02/13
6. Date of Final Shipment	associated with this Bill of Lading: 4/12/201	2 (mm/dd/yyyy)	(mm/dd/yyyy)
transmittal form, (ii) that, b material information contai that I am fully authorized to entity on whose behalf this	Doughtener, attest under the with the information contained in this submitti- ased on my inquiry of those individuals imme- ined in this submittal is, to the best of my know o make this attestation on behalf of the entity is submittal is made am/is aware that there are need, for willfully submitting false, inaccurate	al, including any and all of diately responsible for ob wledge and belief, true, a legally responsible for th significant penalties, inc	otaining the information, the accurate and complete, and (iii) is submittal. I/the person or cluding, but not limited to
4. For TWENTY WAYLA	ND LLC	5. Date: 1/25/	13
6. Check here if the add 7. Street:	person or entity recorded in Section G dress of the person providing certification is di		
	9. State:		
11. Telephone:	12. Ext:	13. Fax:	
✓ 14. Check here if attach	ing optional supporting documentation such a	is copies of Load Informa	ation Summary Sheets

Page 1 of 1





Vertex -TCS, LLC Vertex 合同会社 Vertex Engineering, PC Vertex International LLC Vertex Air Quality Services, LLC Vertex Construction Services, Inc. Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Ingenieros Consultores, S. de R.L. de C.V.

Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

January 25, 2013

Massachusetts Department of Environmental Protection Northeast Region Bureau of Waste Site Cleanup 205B Lowell Street Wilmington, Massachusetts 01887

RE: Bill Of Lading Part B

Former Raytheon Facility 430 Boston Post Road Wayland, Massachusetts RTN 3-13302

To Whom It May Concern:

VERTEX Environmental Services, Inc. (VERTEX) is performing oversight of Release Abatement Measure (RAM) activities at 430 Boston Post Road in Wayland, Massachusetts (the Site). On April 12, 2012, a total of two stockpiles comprising approximately 30 cubic yards of impacted soil was transported off-Site for recycling. Bills of Lading (BOLs) were prepared for the stockpiled material based upon the source of impacts to the material. Each separate stockpile was sampled for disposal characterization separately. A separate BOL was prepared for each stockpile based upon the disposal characterization data. Stockpiles were identified by the disposal characterization name, as presented in the table below. Because additional work was conducted in this area BOL Part B was not submitted until it was confirmed that additional soil from the areas where these stockpiles were generated would not require off-site disposal.

Because the stockpiles volumes were less than the total capacity of the transporting truck and because stockpiled material was being transported to the same receiving facility for disposal, the two stockpiles were combined for transport. As a result, a portion of the tonnage presented on the weight slips for those stockpiles include tonnage from two separate stockpiles. To provide a more accurate description of the tonnage removed from the site per stockpile, the estimated percentage composition in each truck was calculated by VERTEX and the tonnage presented on the weight slip







was divided accordingly. The following describes the tonnage transported from the site, and includes the estimated tonnage derived from each on-site stockpile and identifies the truck used to transport the material.

Stockpile	Truck	Truck	Approximate	Approximate	eDEP BOL
Disposal Sample Identification	Number	Tonnage	Percentage	Actual	Transaction
			in Truck	Tonnage	Number
Transported April 12, 2012					
DISP-0124	1	29.00	33	9.67	466736
Basin 7	1	29.00	67	19.33	466168

Notes:

- 1. Stockpile Disposal Sample Identification is based upon the sample identification on the laboratory report.
- 2. Truck tonnage = total tonnage presented the truck weight slip
- 3. Approximate Truck percentage = percentage (volume) of the truck that the noted stockpile occupied.
- 4. Approximate Actual tonnage = the truck tonnage and the truck percentage were used to calculate the actual tonnage

If questions regarding the BOLs, please feel free to contact the undersigned at (781) 952-6000.

Jesse M. Freeman, EIT Senior Project Manager

James B. O'Brien, LSP President

Environmental

ii

Air Quality

	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
	BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
A. LOCATION	OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED	D:
1. Release I	Name/Location Aid: RAYTHEON COMPANY	
2. Street Ad	dress. 430 BOSTON POST RD	
3. Citv/Towr	WAYLAND 4. Zip Code: 017	7780000
	ck her if a Tier Classification Submittal has been provided to DEP for this disposal site	•
		•
	a. Tier 1A 🔄 b. Tier 1B 🗹 b. Tier 1C 🔄 d. Tier II	
6. If applicat	ble provide the Permit Number: 133939	
B. THIS FORM	IS BEING USED TO: (check one: B1-B4):	
1. Sub	mit a Bill of Lading (BOL) to transport Remediation Waste to Temporary Storage or	a Receiving Facility.
Res	ponse Actions associated with this BOL (check all that apply):	
	a. Immediate Response Action (IRA)	ctions
	b. Release Abatement Measure (RAM) f Limited Removal Action (LRA	
	c. Downgradient Property Status (DPS) (must be retained pursuant to 40.0034(6); can't be submitte	
	d. Utility Release Abatement Measure (URAM)	
المحما		
2. Sub	mit an Attestation of Completion of Shipment t o Temporary Storage (Sections C, F a	and J are not required):
	mit an Attestation of Completion of Shipment to a Receiving Facility (Sections C, F	
	ify that Remediation Waste Was Not Shipped, and the Bill of Lading is Void . (Sect iired)	ions C, D, E, and F are not
5. Date Bill of	Lading submitted to the Department: 4/3/2012 5:24:52 b. eDEP Transaction ID:	448793
	(mm/dd/yyyy)	
	eneration Associated with this Bill of Lading 1/24/2012	
6. Penod of G	eneration Associated with this Bill of Lading 1/24/2012 to 1/24/2012 (mm/dd/yyyy) (mm/dd/yyyy))
1 .	Il sections of this transmittal form must be filled out unless otherwise noted) ding is not considered complete until the Attestation of Completion of Shipment is rece	vived by the Department.
C. DESCRIPTION	ON OF WASTE AND WASTE SOURCE:	
1. Contamin	ated Media /Debris (check all that apply):	
a. So	il 🔲 b. Groundwater 🗌 c. Surface Water 🔲 d. Sediment 🔲 e.	Vegetation or Organic Debris
f. De	molition/Construction Waste 🔲 g. Inorganic Absorbent Materials 🔲 h. Other:	
2. Uncontair	erized Waste (check all that apply):	
	norganic Absorbent Materials b. Other:	

Revised: 03/10/2010 ver9.10.1.0

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number
C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):	
3. Containerized Waste (check all that apply):	
a. Tank Bottoms/Sludges b. Containers c. Drums d. Engineered	Impoundments
e. Other	
4. Estimated Quantity:	
5. Contaminant Source (check one):	
a. Transportation Accident b. Underground Storage Tank c. Brownfields R	tedevelopment
d. Other:	
6. Type of Contaminant (check all that apply):	
a. Gasoline b. Diesel Fuel c. #2 Fuel Oil d. #4 Fuel Oil e. #6 Fu	uel Oil 🔲 f. Jet Fuel
g. Waste Oil h. Kerosene i. Chlorinated Solvents j. Urban Fill	k. Other:
7. Constituents of Concern (check all that apply):	
a. As b. Cd c. Cr d. Pb e. Hg f. EPH/TPH	g. VPH
h. PCBs i. VOCs j. SVOCs k. Other:	
8. If applicable, check the box for the Reportable Concentration Category of the site:	
a. RCS-1 b. RCS-2 c. RCGW-1 d. RCGW-2	
9. Remediation Waste Characterization Documentation (check at least one):	
a. Site History Information b. Sampling Analytical Methods and Procedures	c. Laboratory Data
d. Field Screening Data e. Characterization Documentation previously submitted	to the Department
i. Date submitted:	
(mm/dd/yyyy) D. TRANSPORTER OR COMMON CARRIER INFORMATION:	
1. Transporter/Common Carrier Name: BRIGHTER HORIZONS ENVIRONMENTAL INC	8
2. Contact First Name: SHANE 3. Last Name: DUVAL	
4. Street: 4 COURTHOUSE LANE UNIT 14 5. Title: CFO	
6. City/Town: CHELMSFORD 7. State: MA 8. Zip Code: 0182	240000
9. Telephone: (978) 970-0500 10. Ext: 11. Fax:	······································

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup BWSC112	
Release Tracking Num	iber
BILL OF LADING (pursuant to 310 CMR 40.0030) 3 - 13302]
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:	
1. Operator/Facility Name CHAMPION CITY RECYCLING	
2. Contact First Name: C 3. Last Name: MORGAN	
4. Street: 138 WILDER STREET 5. Title:	
6. City/Town: BROCKTON 7. State: MA 8. Zip Code: 023010000	
9. Telephone: (508) 941-6700 10. Ext: 11. Fax:	
12. Type of Facility: (Check one)	
a. Temporary Storage i. Period of Temporary Storage: to to	
ii. Reason for Temporary Storage:	
b. Asphalt Batch/Hot Mix C. Landfill/Disposal d. Landfill/Structural Fill e. Landfill/Daily Cov	/er
✓ f. Asphalt Batch/Cold Mix _ g. Thermal Processing _ h. Incinerator _ i. Other:	
13. Division of Hazardous Waste/Class A Permit Number:	
14. Division of Solid Waste Permit Number:	
15. EPA Identification Number:	
F. LSP SIGNATURE AND STAMP: 1 attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal form, includi	
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) to provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief, the assessment action(s) undertaken to	he
characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste ha	aving
the characteristics described in this submittal.	Ŭ
I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit informative which I know to be false, inaccurate or materially incomplete.	ation
1. LSP #:	
2. First Name: 3. Last Name:	
4. Telephone: 5. Ext.	ר
6. FAX:	
7. Signature:	
8. Date: 9. LSP Stamp:	
(mm/dd/yyyy)	
	L

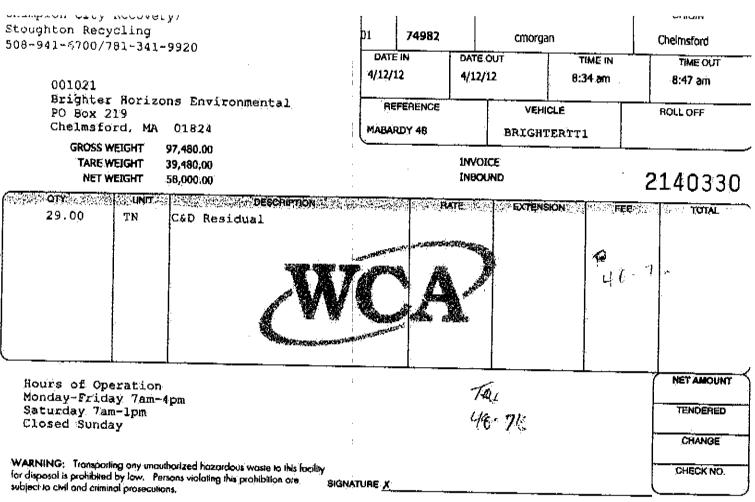
K	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
	BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
G. PERSON SU	BMITTING BILL OF LADING:	
1. Check all		ange in person dertaking response actions
2. Name of (Organization: TWENTY WAYLAND LLC	
3. Contact F	irst Name: FRANK 4. Last Name: DOUGHERTY	(
5. Street: 10	MEMORIAL BLVD SUITE 9016. Title:	
7. City/Town	PROVIDENCE 8. State: RI 9. Zip Code: 02	29030000
10. Telephon	e: 4012738600 11. Ext. 12. Fax:	
H. RELATIONS	HIP TO SITE OF PERSON SUBMITTING BILL OF LADING:	here to change relationship
1. RP or PF		
	I e. Other RP or PRP Specify: NON-SPECIFIED PRP No. Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c.21E, s.2):	
12	or Public Utility on a Right of Way (as defined by M.G.L. c.21E, s.5(j))	
4. Any Othe	er person Undertaking Response Actions: Specify Relationship	
I. REQUIRED	ATTACHMENTS AND SUBMITTALS :	
permit(s	k here if the Response Action(s) on which this opinion is based, if any, are (were) subjec) and/or approvals issued by DEP or EPA. If the box is checked, you must attach a state le provisions thereof.	
	there if any non-updatable information provided on this form is incorrect, e.g. property a DEP@state.ma.us	address. Send corrections to
3. Check	there to certify that the LSP Opinion containing the material facts, data, and other inform	nation is attached.
J. CERTIFICATI	ON OF PERSON SUBMITTING BILL OF LADING :	
1.1, FRAN		y (i) that I have personally
examined and transmittal form	am familiar with the information contained in this submittal, including any and all docume n, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining	ents accompanying this
material inform	nation contained in this submittal is, to the best of my knowledge and belief, true, accurat	te and complete, and (iii)
entity on whos	authorized to make this attestation on behalf of the entity legally responsible for this subr e behalf this submittal is made am/is aware that there are significant penalties, including	nittal. I/the person or , but not limited to.
possible fines	and imprisonment, for willfully submitting false, inaccurate, or incomplete information.	1
2. ву:	num & Daughuty 3. Title: Divetor	8 Development
4. For Jule	1/25/13 5. Date: 1/25/13	
	(Name of person or entity recorded in Section H) (mm/	/dd/yyyy)

	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
	BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
J. CERTIFICA	TION OF PERSON SUBMITTING BILL OF LADING (cont.) :	···
6. Chec	k here if the address of the person providing certification is different from address reco	orded in Section H.
7. Street:		
8. City/Town:	9. State: 10. Zip Code:	
11. Telephone:		
BIL	OU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$ LABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL CTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLE IT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRE	RELEVANT TE. IF YOU
Date Stamp (Ma	ssDEP USE ONLY):	
Povisod: 02/10/		Dono 5 of 5

Massachuse Bureau of Wa	BWSC112A					
BILL OF LA	Release Tracking Number					
SUMMARY OF SHIPMENT SHEET 1 OF 1 3 - 13302						
A. SUMMARY OF SHIPMENT (To	be filled out by the receiving fac	ility upon receipt of Remediati	on Waste):			
1. Date of Shipment: (mm/dd/yyyy)	2. Date of Receipt: (mm/dd/yyyy)	3. Number of Loads Shipped:	4. Daily Volume Shipped: yds ³ √tons gals			
4/12/2012	4/12/2012	1	9.67			
		14				
5. Totals Recorded on this Summa	ary of Shipment Sheet:	1	9.67			
B. Check here if additional BWSC112A BOL Summary Sheets are needed.						

	chusetts Department of Environ	mental Protection	
Bureau	of Waste Site Cleanup		BWSC112B
BILLO	OF LADING (pursuant to 310 CMR 40.0030)		Release Tracking Number
SUMMA	RY SHEET SIGNATURE PAGE		3 - 13302
	OF RECEIPT OF REMEDIATION WASTE	T RECEIVING FACILIT	Y OR TEMPORARY STORAGE:
transmittal form, (ii) that, material information contr that I am fully authorized entity on whose behalf th	cka, attest under t ir with the information contained in this submit based on my inquiry of those individuals imm ained in this submittal is, to the best of my kni to make this attestation on behalf of the entity is submittal is made am/is aware that there are onment, for willfully submitting false, inaccura	tal, including any and all ediately responsible for c owledge and belief, true, r legally responsible for t e significant penalties, in	bbtaining the information, the accurate and complete, and (iii) this submittal. I/the person or coluding, but not limited to
2. By: Ec	Brdich	3. Title: VICE 1	PRESIDENT, ENGINEER
4. For: Sunny F	arms Landfill	5. Date: 1	/02/13
6. Date of Final Shipment	associated with this Bill of Lading: 4/12/201	2 (mm/dd/yyyy)	(mm/dd/yyyy)
transmittal form, (ii) that, b material information contai that I am fully authorized to entity on whose behalf this	Doughtener, attest under the with the information contained in this submitti- ased on my inquiry of those individuals imme- ined in this submittal is, to the best of my know o make this attestation on behalf of the entity is submittal is made am/is aware that there are need, for willfully submitting false, inaccurate	al, including any and all of diately responsible for ob wledge and belief, true, a legally responsible for th significant penalties, inc	otaining the information, the accurate and complete, and (iii) is submittal. I/the person or cluding, but not limited to
4. For TWENTY WAYLA	ND LLC	5. Date: 1/25/	13
6. Check here if the add 7. Street:	person or entity recorded in Section G dress of the person providing certification is di		
	9. State:		
11. Telephone:	12. Ext:	13. Fax:	
✓ 14. Check here if attach	ing optional supporting documentation such a	is copies of Load Informa	ation Summary Sheets

Page 1 of 1



	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112	
	BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302	
A. LOCATION	OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED		
1. Release N	Name/Location Aid: RAYTHEON COMPANY		
2. Street Ad	dress. 430 BOSTON POST RD		
3. City/Town	WAYLAND 4. Zip Code: 017	780000	
	ck her if a Tier Classification Submittal has been provided to DEP for this disposal site:		
	a. Tier 1A b. Tier 1B 🖌 b. Tier 1C d. Tier II		
6. If applicat	ble provide the Permit Number: 133939		
B. THIS FORM	IS BEING USED TO: (check one: B1-B4):		
	mit a Bill of Lading (BOL) to transport Remediation Waste to Temporary Storage or a	Receiving Facility.	
	ponse Actions associated with this BOL (check all that apply):		
	a. Immediate Response Action (IRA)		
,	b. Release Abatement Measure (RAM) f. Limited Removal Action (LRA) (must be retained pursuant to		
	c. Downgradient Property Status (DPS) 40.0034(6); can't be submitted		
	d. Utility Release Abatement Measure (URAM) g. Other		
2. Subr	nit an Attestation of Completion of Shipment to Temporary Storage (Sections C, F ar	nd J are not required):	
✓ 3. Subr	mit an Attestation of Completion of Shipment to a Receiving Facility (Sections C, F a	nd J are not required):	
	ify that Remediation Waste Was Not Shipped, and the Bill of Lading is Void . (Section ired)	ons C, D, E, and F are not	
5. Date Bill of	Lading submitted to the Department: 1/13/2012 11:11:3 b. eDEP Transaction ID: 4 (mm/dd/yyyy)	42486	
6. Period of G	to 12/18/2011 to 12/18/2011 (mm/dd/yyyy) to (mm/dd/yyyy)		
	Il sections of this transmittal form must be filled out unless otherwise noted) ling is not considered complete until the Attestation of Completion of Shipment is received.	ved by the Department.	
C. DESCRIPTIC	ON OF WASTE AND WASTE SOURCE:		
1. Contamina	ated Media /Debris (check all that apply):		
🔲 a. So	il D. Groundwater C. Surface Water d. Sediment e.	Vegetation or Organic Debris	
🗌 f. Der	molition/Construction Waste 🔲 g. Inorganic Absorbent Materials 🔲 h. Other:		
2. Uncontainerized Waste (check all that apply):			
a. Ir	norganic Absorbent Materialsb. Other:		

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number
C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):	
3. Containerized Waste (check all that apply):	
a. Tank Bottoms/Sludges b. Containers c. Drums d. Engineered	Impoundments
e. Other	
4. Estimated Quantity:	
5. Contaminant Source (check one):	
a. Transportation Accident b. Underground Storage Tank c. Brownfields R	edevelopment
d. Other:	
6. Type of Contaminant (check all that apply):	
a. Gasoline b. Diesel Fuel c. #2 Fuel Oil d. #4 Fuel Oil e. #6 Fu	uel Oil 🔲 f. Jet Fuel
g. Waste Oil h. Kerosene i. Chlorinated Solvents j. Urban Fill	k. Other:
7. Constituents of Concern (check all that apply):	
a. As b. Cd c. Cr d. Pb e. Hg f. EPH/TPH	g. VPH
h. PCBs i. VOCs j. SVOCs k. Other:	
8. If applicable, check the box for the Reportable Concentration Category of the site:	
9. Remediation Waste Characterization Documentation (check at least one):	
a. Site History Information b. Sampling Analytical Methods and Procedures	c. Laboratory Data
d. Field Screening Data e. Characterization Documentation previously submitted	to the Department
i. Date submitted: ii. Type of Documentation:	
D. TRANSPORTER OR COMMON CARRIER INFORMATION:	<u></u>
1. Transporter/Common Carrier Name: BRIGHTER HORIZONS ENVIRONMENTAL INC	
2. Contact First Name: SHANE 3. Last Name: DUVAL	
4. Street: 4 COURTHOUSE LANE UNIT 14 5. Title: CFO	
	40000
	240000
9. Telephone: 9789700500 10. Ext: 11. Fax:	

	Massachusetts Departmen Bureau of Waste Site Cleanu		tal Protection	BWSC112
	BILL OF LADING (pursuant to	310 CMR 40.0030)		Release Tracking Number 3 - 13302
E. RECEIVING F	ACILITY/TEMPORARY STORAGE LC	CATION:		
1. Operator/I	Facility Name CPRC GROUP			
2. Contact F	irst Name: REGGIE	3. La	st Name: SAUNDERS	5
4. Street: 2	GIBSON ROAD		5. Title:	
6. City/Town	SCARBOROUGH	7. State: ME	8. Zip Code: 04074	40000
9. Telephone	207 883 3325	10. Ext:	11. Fax: 207 883 1	121
12. Type of F	acility: (Check one)			
a. Temp	orary Storage i. Period of Temporary	Storage: (mm/dd/y	yyy) (mm/d	ld/yyyy)
ii. Rea	ason for Temporary Storage:			
b. As	sphalt Batch/Hot Mix c. Landfill	/Disposal 🔲 d. Li	andfill/Structural Fill	e. Landfill/Daily Cover
🖌 f. As	phalt Batch/Cold Mix 🔲 g. Therma	al Processing 🔲 h.	Incinerator i. Ot	ther:
13. Division of	f Hazardous Waste/Class A Permit Num	nber:		
14. Division of	f Solid Waste Permit Number: S-02124	13-WK-A-N		
15. EPA Ident	tification Number:			
I attest under the any and all docu standard of care provisions of 309 characterize the submittal comply	URE AND STAMP: e pains and penalties of perjury that I has ments accompanying this submittal. In e in 309 CMR 4.02(1), (ii) the applicable 9 CMR 4.03(3), to the best of my knowle Remediation Waste which is (are) the s y with applicable provisions of 310 CMR cs described in this submittal.	my professional opinio provisions of 309 CMF edge, information and t subject of this submittal	n and judgment based u 4.02(2) and (3), and 30 belief, the assessment a for acceptance at the fa	upon application of (i) the D9 CMR 4.03(2), and (iii) the action(s) undertaken to acility identified in this
I am aware that which I know to	significant penalties may result, includir be false, inaccurate or materially incom	ng, but not limited to, po plete.	ossible fines and impriso	onment, if I submit information
1. LSP #:				
2. First Name:		3. Last Nam	e: [
4. Telephone:	5.	Ext.		
6. FAX:			× 1	
7. Signature:				
8. Date:	(mm/dd/yyyy)		9. LSP Stamp:	

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
Bala	ease Tracking Number
BILL OF LADING (pursuant to 310 CMR 40.0030)	-13302
G. PERSON SUBMITTING BILL OF LADING:	
	in person aking response actions
2. Name of Organization: TWENTY WAYLAND LLC	
3. Contact First Name: FRANK 4. Last Name: DOUGHERTY	
5. Street: 10 MEMORIAL BLVD SUITE 901 6. Title:	
7. City/Town: PROVIDENCE 8. State: RI 9. Zip Code: 02903	0000
10. Telephone: 4012738600 11. Ext 12. Fax:	
H. RELATIONSHIP TO SITE OF PERSON SUBMITTING BILL OF LADING:	
RELATIONSHIP TO SITE OF PERSON SUBMITTING BILL OF LADING: Check here	to change relationship
✓ 1. RP or PRP: a. Owner b. Operator c. Generator d. Transporter	
e. Other RP or PRP Specify: NON-SPECIFIED PRP	
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	
I. REQUIRED ATTACHMENTS AND SUBMITTALS :	· · · · · · · · · · · · · · · · · · ·
1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to a	any order(s)
permit(s) and/or approvals issued by DEP or EPA. If the box is checked, you must attach a statemen applicable provisions thereof.	
 Check here if any non-updatable information provided on this form is incorrect, e. g. property addres BWSC.eDEP@state.ma.us 	ess. Send corrections to
3. Check here to certify that the LSP Opinion containing the material facts, data, and other information	n is attached.
J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING :	
1. I,, attest under the pains and penalties or perjury (i)	that I have personally
examined and am familiar with the information contained in this submittal, including any and all documents transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the	accompanying this
material information contained in this submittal is, to the best of my knowledge and belief, true, accurate an that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submitta	d complete, and (iii)
entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but	
possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.	
2. By: 3. Title:	
4. For 5. Date: (Mame of person or entity recorded in Section H) (mm/dd/y	
(

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC112
BILL OF LADING (pursuant to 310 CMR 40.0030)	Release Tracking Number 3 - 13302
J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.) :	F
6. Check here if the address of the person providing certification is different from address reco	orded in Section H.
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 \$ BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLE SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIR	RELEVANT TE. IF YOU
Date Stamp (MassDEP USE ONLY):	
Received by DEP on 7/25/2012 9:19:12 AM	
Revised: 03/10/2010	Page 5 of 5

Massach Bureau o	usetts Department of Envi f Waste Site Cleanup	ronmental Protection	BWSC112A
BILL OF	LADING (pursuant to 310 CMR 40.	0030)	Release Tracking Number
	Y OF SHIPMENT SHEET	OF 1	3 - 13302
A. SUMMARY OF SHIPMEN	T (To be filled out by the receiving	facility upon receipt of Remediat	ion Waste):
1. Date of Shipment: (mm/dd/yyyy)	2. Date of Receipt: (mm/dd/yyyy)	3. Number of Loads Shipped:	4. Daily Volume Shipped: yds ³ ✓ tons gals
1/25/2012	1/25/2012	1	12.84
5. Totals Recorded on this Su	mmary of Shipment Sheet:	1	12.84
	mmary of Shipment Sheet: al BWSC112A BOL Summary Sheets		12.84

Massachusetts Departmen		ental Pro	otection		BW60440D
Bureau of Waste Site Cleant	цр			Delese	BWSC112B
BILL OF LADING (pursuant to					e Tracking Number
SUMMARY SHEET SIGNATURE	PAGE			3	- 13302
A. ACKNOWLEDGEMENT OF RECEIPT OF REMEDI	ATION WASTE AT	RECEIVING	G FACILITY	OR TEMPO	DRARY STORAGE:
1.I, Marcia Montague	, attest under the	pains and	penalties or	perjury (i) th	nat I have personally
examined and am familiar with the information contai transmittal form, (ii) that, based on my inquiry of thos	ned in this submittal, e individuals immedi	, including a ately respo	any and all o nsible for of	tocuments a	accompanying this
material information contained in this submittal is, to t	the best of my knowl	edge and b	elief, true, a	accurate and	complete, and (iii)
that I am fully authorized to make this attestation on t entity on whose behalf this submittal is made am/is a	ware that there are s	gally respo significant p	enalties, inc	is submittal. cludina, but r	I/the person or not limited to.
possible fines and imprisonment, for willfully submitting	ng false, inaccurate,	or incomple	ete informati	ion.	,
2. By: Marcia Montague	2	3. Title:			
4. For: TWENTY WAYLAND LLC		E Data	3/2/2012		
		5. Date:		(mm/dd/yy	
6. Date of Final Shipment associated with this Bill of La	-				
	(m	m/dd/yyyy)			
B. ACKNOWLEDGEMENT OF SHIPMENT AND REC ACTIONS ASSOCIATED WITH THIS BILL OF LADING	EIPT OF REMEDIAT	TION WAS	TE BY PER	SON COND	UCTING RESPONSE
1. I Frank Dougherty					
1. I, Frank Dougnerty examined and am familiar with the information contain	, attest under the p ed in this submittal	pains and p including a	enalties or p by and all do	perjury (i) the	at I have personally
transmittal form, (ii) that, based on my inquiry of those	individuals immedia	tely respon	sible for obt	taining the in	formation, the
material information contained in this submittal is, to the that I am fully authorized to make this attestation on be	e best of my knowle chalf of the entity lea	dge and be ally respon	elief, true, ac sible for this	curate and o	complete, and (iii) /the person or
entity on whose behalf this submittal is made am/is aw	are that there are si	gnificant pe	nalties, inclu	uding, but no	ot limited to,
possible fines and imprisonment, for willfully submitting 2. By: Frank Dougherty	a raise, maccurate, o	3. Title:		<u></u>	
4. For: TWENTY WAYLAND LLC	O antiana O	5. Date:	7/24/2012		
(Name of person or entity recorded in	Section G			(mm/dd/yyy	уу)
6. Check here if the address of the person providing	certification is diffe	rent from a	ddress recor	rded in BWS	C112 Section H.
					0
7. Street:		•			
8. City/Town:	9. State:		10. Zip Coo	de:	0
11. Telephone:	12. Ext:	13. F	ax:		
✓ 14. Check here if attaching optional supporting doc	umentation such as	copies of L	oad Informa	tion Summa	rv Sheets
					.,

Appendix D: Vapor Venting System Information



Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Construction Services, Inc. Vertex International Services Vertex Air Quality Services, LLC Vertex Ingenieros Consultores, S. de R.L. de C.V. Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

August 28, 2012

Twenty Wayland, LLC 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Re: Building 1C Venting System Visual Inspection 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163

Dear Mr. Dougherty:

Vertex Environmental Services, Inc. (VERTEX) is pleased to present this letter summarizing the visual inspection(s) of the vapor venting sub-slab piping for Building 1C currently being constructed at the above referenced property (the site). At the request of Twenty Wayland, LLC, (Twenty Wayland), VERTEX provided stamped construction plans for the construction of a venting system to be installed below the concrete slab of Building 1C. The stamped plans (last revision as of this letter June 20, 2012) were incorporated into the overall construction documentation by the site architect for use by the site contractor(s) to install and construct the venting system piping.

As part of the venting system design and installation, Twenty Wayland requested that VERTEX conduct visual inspections during piping installation by the contractor to confirm that the piping was being installed in general accordance with the VERTEX design plans prior to the installation of the concrete slab. In addition, VERTEX collected photographic documentation of the venting system piping which is attached for reference.

The inspection was performed on August 22, and 24, 2012. The inspections performed were visualonly observations of the venting system piping, trenching and gravel layers. The venting system piping appears to have been installed in general accordance with the architectural construction documents and VERTEX design specifications, with the exception of the location of the two centrally located 4-inch diameter screen segments. These two segments were relocated because of the presence of building footings in the proposed locations. Therefore, these two sections of screen were moved approximately three feet to the east from their proposed location. The location of the eastern and western screen segments, and solid PVC termination points, and the solid PVC riser to the roof vent on the northwestern portion of the building were not altered.





Energy

Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

her

Jesse Freeman Senior Project Manager

Jonethan Nois

Jon Noris, PE, LSP Engineer of Record

Encl: Photographs



ii



VBR/TBX®

Photographic Documentation 430 Boston Post Road (Route 20) Wayland, Massachusetts Project No. 19163

Photograph: 1

Description:

Photo depicts of trench for screened PVC within the eastern side of Building 1-C, facing south.



Photograph: 2

Description:

Photo depicts stone base for screened PVC within the eastern side of Building 1-C, facing south.



Photographs taken by P. Plante on August 22 and 24, 2012)

Energy

Air Quality



VBR/TBX®

Photographic Documentation 430 Boston Post Road (Route 20) Wayland, Massachusetts Project No. 19163

Photograph: 3

Description:

Photo depicts screened PVC with sleeve surrounded by stone within the eastern side of Building 1-C, facing south.



Photograph: 4

Description:

Photo depicts view of roof vent in Building 1-C, facing west.



Photographs taken by P. Plante on August 22 and 24, 2012)

Energy



Construction



VERTEX®

Photographic Documentation 430 Boston Post Road (Route 20) Wayland, Massachusetts Project No. 19163

Photograph: 5

Description:

Photo depicts view of SSDS system installed and covered with stone in Building 1-C, facing west.



Photograph: 6

Description:

Photo depicts view of solid PVC outlet on the southern side of Building 1-C.



Photographs taken by P. Plante on August 22 and 24, 2012)

Energy

Air Quality



Consti



VBRTBX®

Photographic Documentation 430 Boston Post Road (Route 20) Wayland, Massachusetts Project No. 19163

Photograph: 7

Description:

Photo depicts view of buried PVC outlet in Building 1-C, facing south.



Photograph: 8

Description:

Photo depicts view of solid PVC pipes exiting the southern side of Building 1-C.



Photographs taken by P. Plante on August 22 and 24, 2012)

Energy

Air Quality



Construction

VBR/TBX®

Photographic Documentation 430 Boston Post Road (Route 20) Wayland, Massachusetts Project No. 19163

Photograph: 9

Description:

Photo depicts of buried PVC screen surrounded by stone located on the eastern side of Building 1-C, facing north.



Photograph: 10

Description:

Photo depicts of buried PVC screen surrounded by stone located on the eastern side of Building 1-C, facing north.

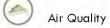


Photographs taken by P. Plante on August 22 and 24, 2012)

Energy

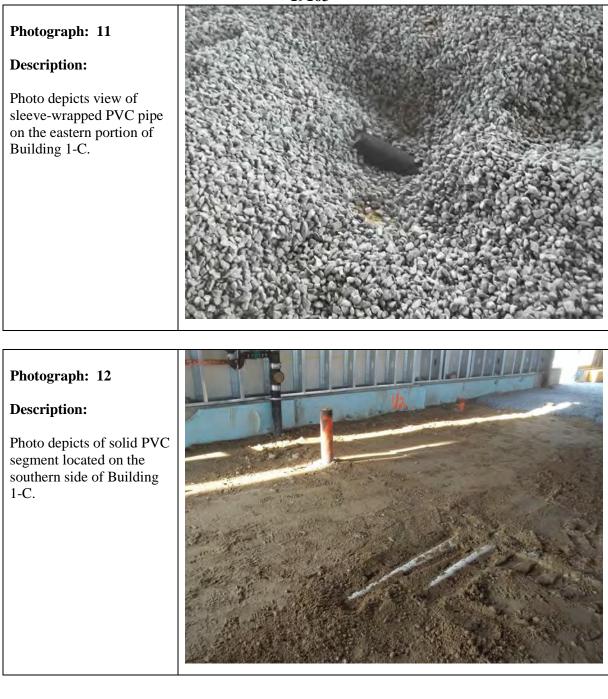


Construction





Photographic Documentation 430 Boston Post Road (Route 20) Wayland, Massachusetts Project No. 19163



Photographs taken by P. Plante on August 22 and 24, 2012)

Energy

Air Quality





Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Construction Services, Inc. Vertex International Services Vertex Air Quality Services, LLC Vertex Ingenieros Consultores, S. de R.L. de C.V. Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

Energy

October 4, 2012

Twenty Wayland, LLC 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Re: Building 2C Venting System Visual Inspection 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163

Dear Mr. Dougherty:

Vertex Environmental Services, Inc. (VERTEX) is pleased to present this letter summarizing the visual inspection(s) of the vapor venting sub-slab piping for Building 2C currently being constructed at the above referenced property (the site). At the request of Twenty Wayland, LLC, (Twenty Wayland), VERTEX provided stamped construction plans for the construction of a venting system to be installed below the concrete slab of Building 2C. The June 20, 2012, stamped plans were incorporated into the overall construction documentation by the site architect for use by the site contractor(s) to install and construct the venting system piping. The stamped plans were revised on September 26, 2012 to modify the location of the subsurface piping on the western portion of Building 2F to avoid footings and other subsurface obstructions. These modifications did not change the design for Building 2C. A copy of the September 26, 2012, stamped plans associated with the revision that show the venting system pipe locations are attached.

As part of the venting system design and installation, Twenty Wayland requested that VERTEX conduct visual inspections during piping installation by the contractor to confirm that the piping was being installed in general accordance with the VERTEX design plans prior to the installation of the concrete slab. In addition, VERTEX collected photographic documentation of the venting system piping which is attached for reference.

The inspection was performed on October 4, 2012. The inspections performed were visual-only observations of the venting system piping, trenching and gravel layers. The venting system piping appears to have been installed in general accordance with the September 26, 2012 stamped plans, with the exception that the northernmost solid PVC section was slightly altered to accommodate subsurface utilities. Additionally, the central two PVC screen sections were installed approximately four feet to the east to avoid subslab footing. The locations of the remaining screen segments, remaining solid PVC termination points, and the solid PVC riser to the roof vent were not altered.



Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

her

Jesse Freeman Senior Project Manager

Jonethan Nois

Jon Noris, PE, LSP Engineer of Record

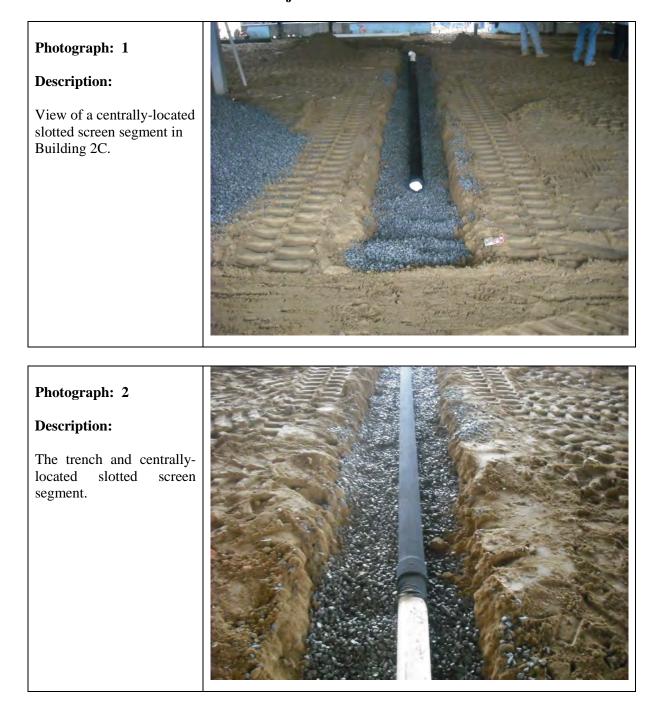
Encl: Photographs



ii









Photograph: 3

Description:

Close-up of a slotted screen segment.



Photograph: 4

Description:

View to the west of the interior of Building 2C. A central screened leg and the western screened leg are visible.





Photograph: 5

Description:

Digging a PVC riser trench in the southern area of Building 2C.



Photograph: 6

Description:

Installing the riser PVC section at the southern end of Building 2C.





Photograph: 7

Description:

Installing a centrallylocated screened PVC section.



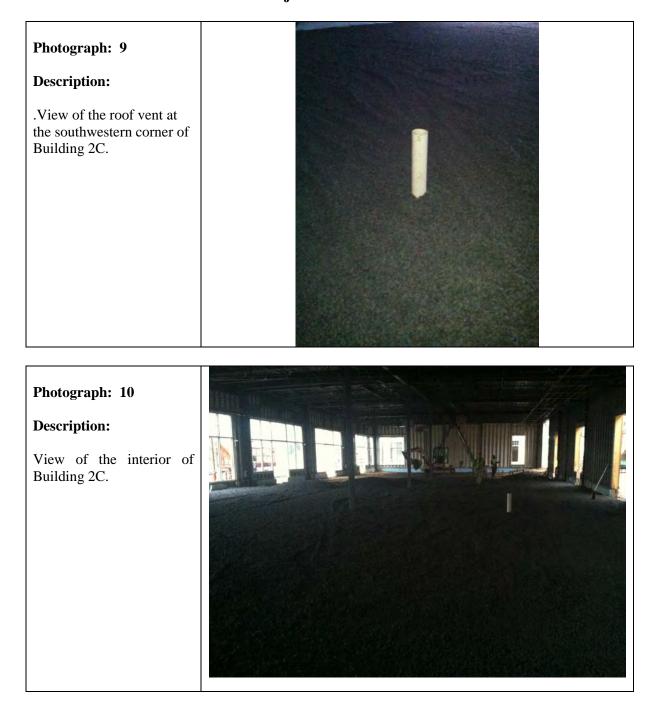
Photograph: 8

Description:

View of the western end of Building 2C covered with ³/₄" crushed stone.









Photograph: 11

Description:

Close-up of an exposed slotted screen segment in the eastern end of Building 2C.

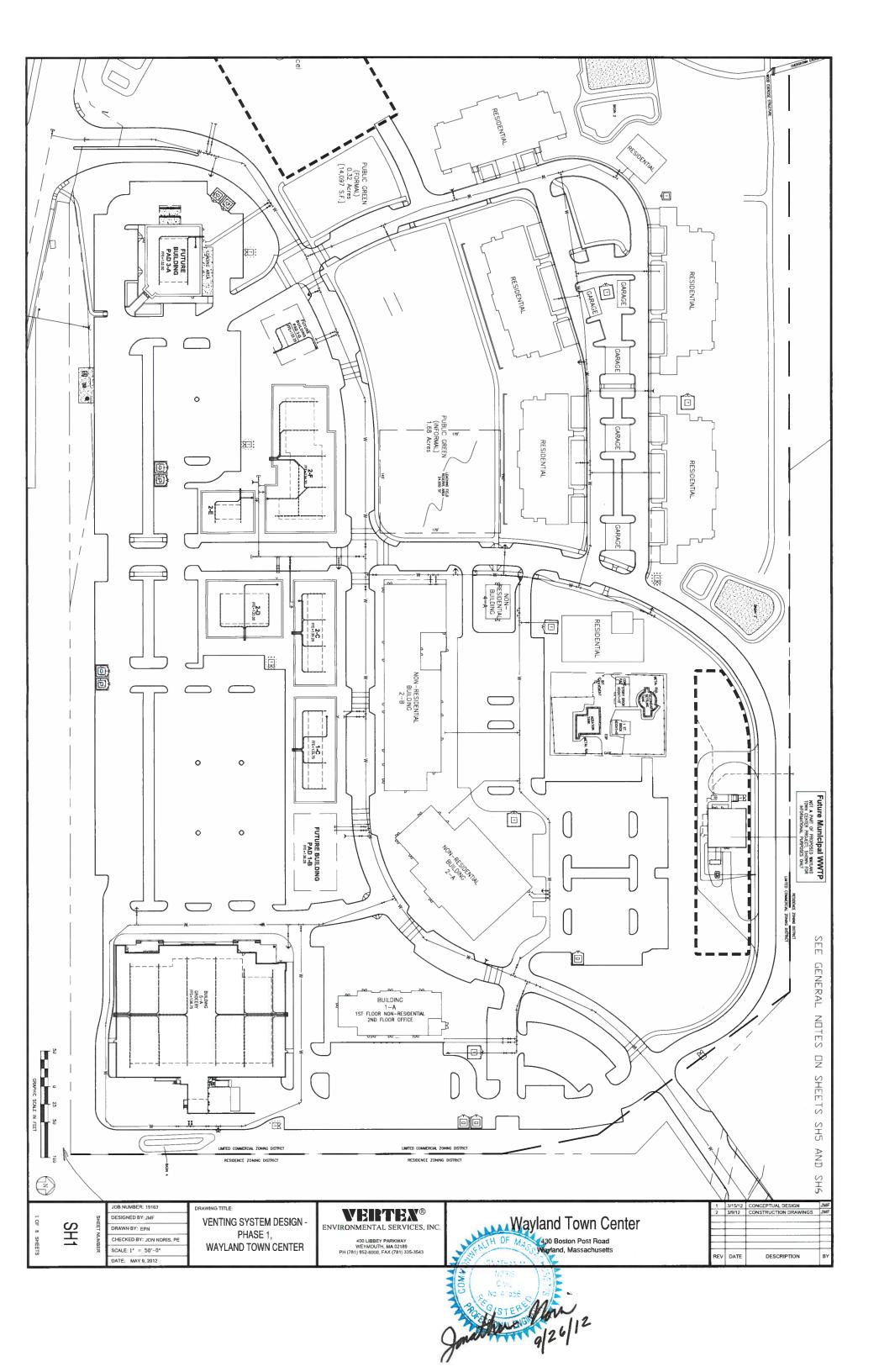


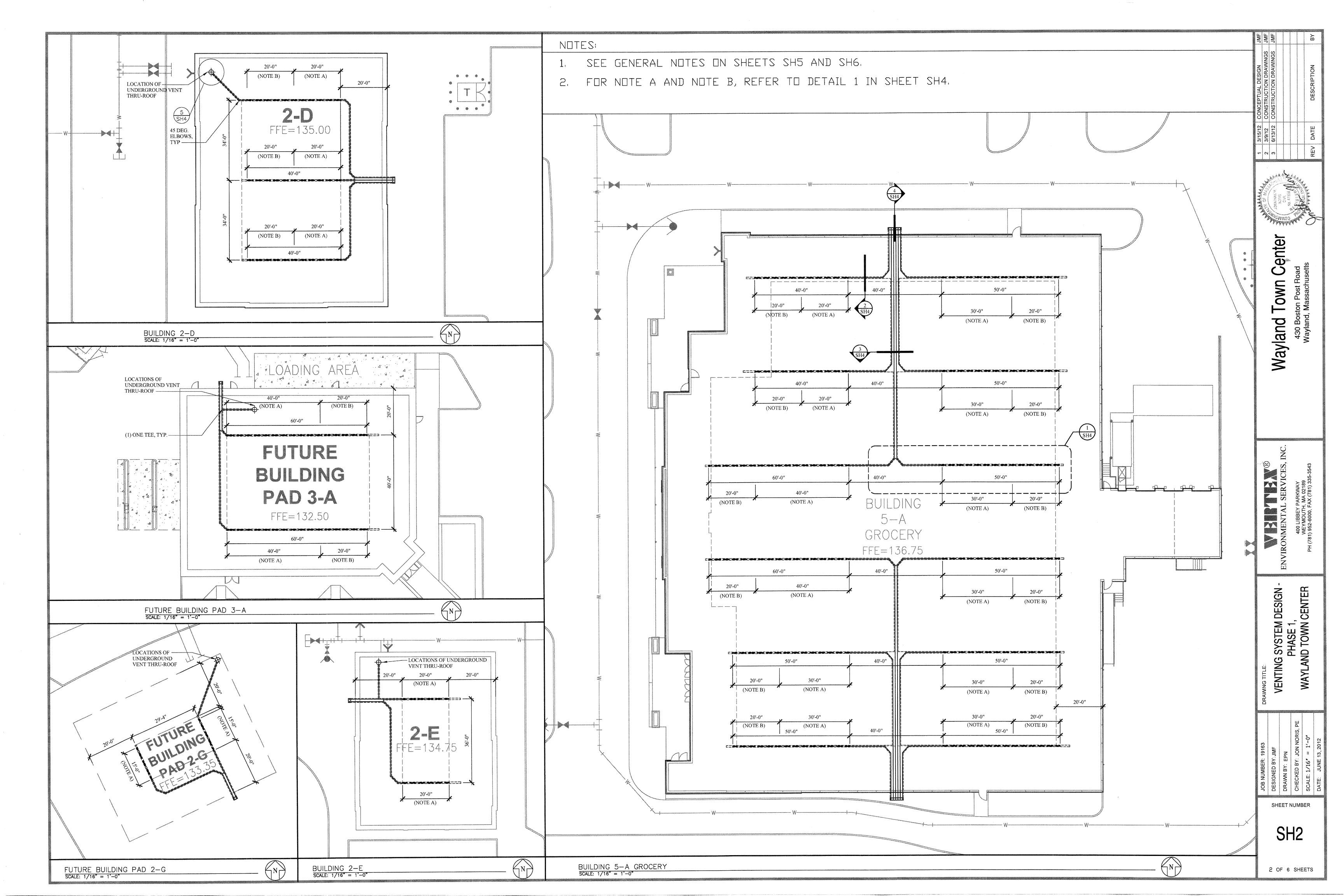
Photograph: 12

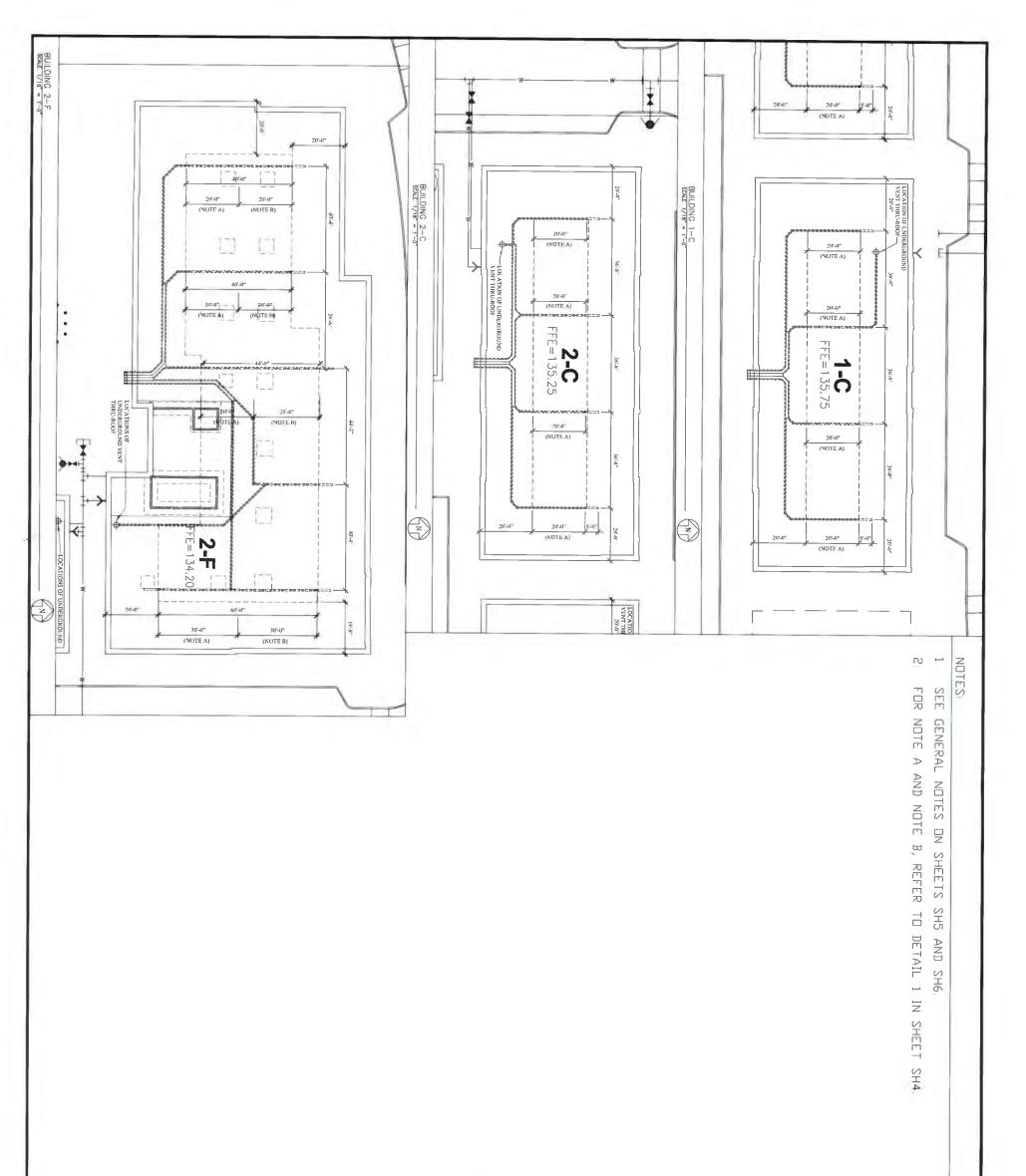
Description:

View of the exterior of Building 2C from the northeast.

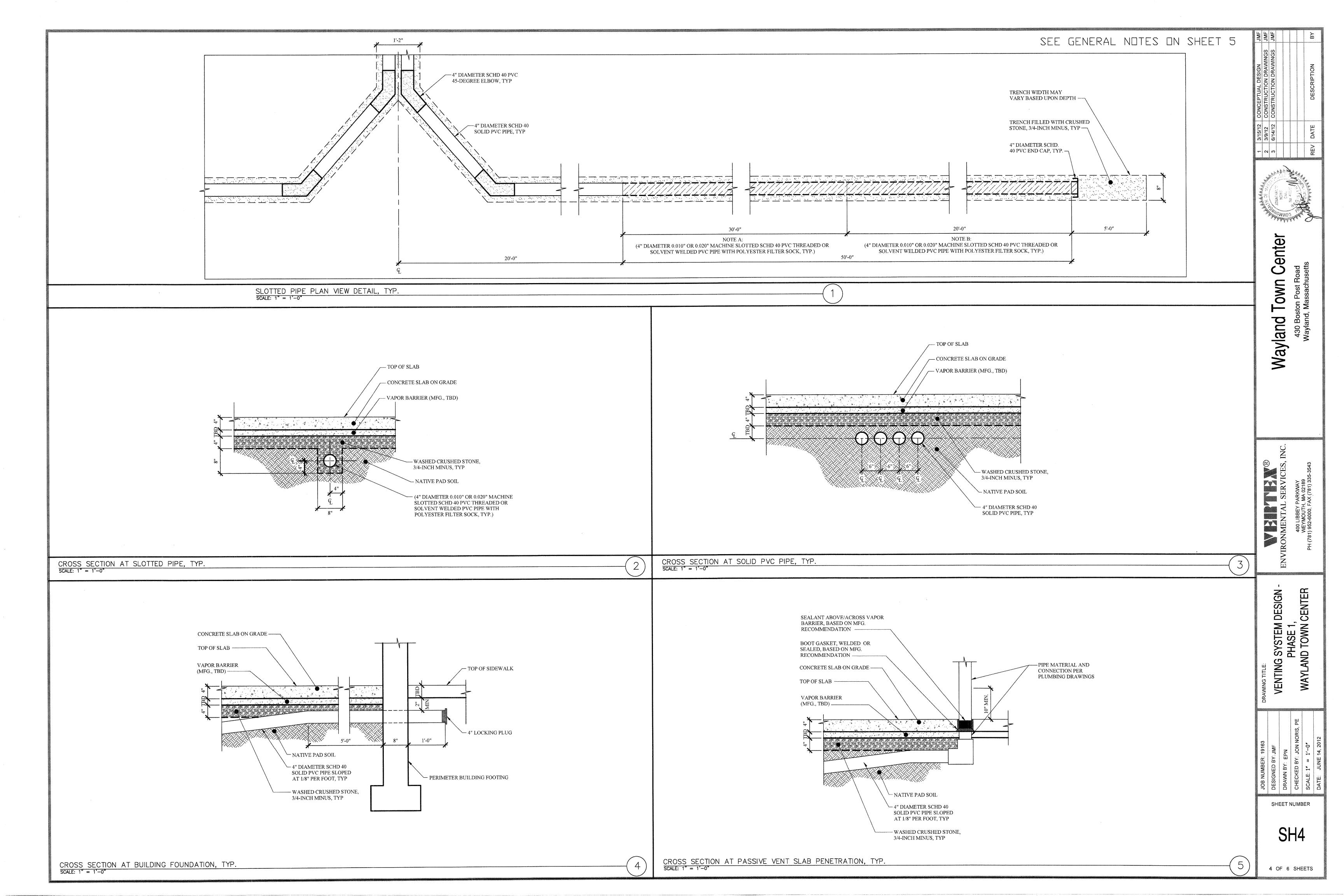








					JONATHAN M NORIS CVIL NO 41526 SISTERIC POINT REPUBLICANT	2			
3 OF 8 SHEETS	SH3	SHEET NUMBER	JOB NUMBER: 19163 DESIGNED BY JMF DRAWN BY EPN CHECKED BY: JON NORIS, PE SCALE: 1/16* = 1*-0* DATE: MAY 9, 2012	DRAWING TITLE VENTING SYSTEM DESIGN - PHASE 1, WAYLAND TOWN CENTER	VERTEX® ENVIRONMENTAL SERVICES, INC. 400 LIBBEY PARWAY WEYMOUTH, MA 02189 PH (781) 952-6000, FAX (781) 335-3543	Wayland Town Center 430 Boston Post Road Wayland, Massachusetts		CONCEPTUAL DESIGN CONSTRUCTION DRAWING DESCRIPTION	JMF 3S JMF



GENERAL NOTES:

1. Solid PVC Pipe: All solid pipe shall be polyvinyl chloride (PVC) Schedule 40. Pipe products shall be manufactured from virgin plastic of Type 1, Grade 1, PVC compound with cell classification of 12454-B per ASTM D1784. Manufacturer shall be Charlotte Pipe and Foundry Company (or approved equivalent).

Pipe Data



PVC Schedule 40 Pipe

PVC Schedule 40 Pipe - Plain End

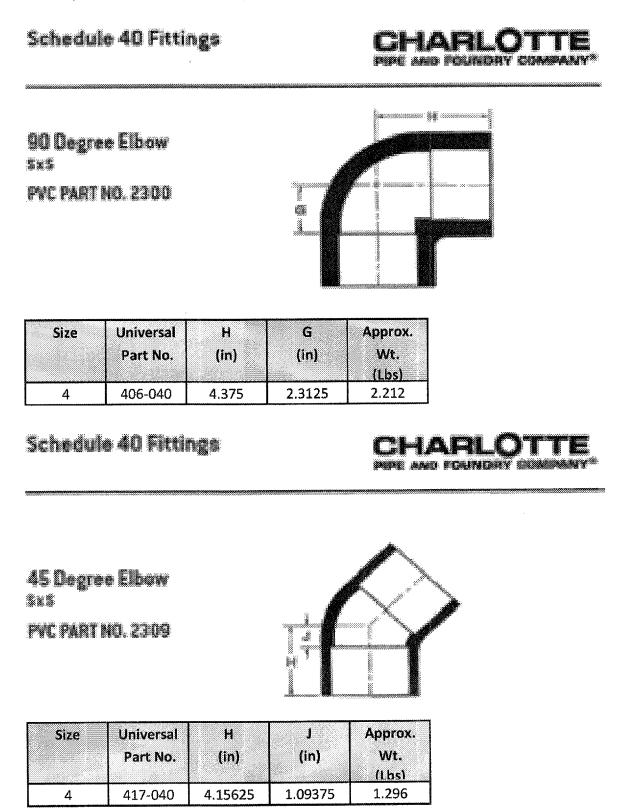
PVC Sched	ule 40 Pipe	Plain	End P\	/C 1120	ASTM D17	784
Part No.	Nom. Size (in)	UPC# 611942-	Avg. OD (in)	Min. Wall (lbs/ft)	Max Work Pressure At 73° F	Wt. Per 100 Ft. (Lbs)
PVC 7400	4"x10'	3953	4.500	0.237	220 PSI	201,2
PVC 7400	4"x20'	3954	4.500	0.237	220 PSI	201.200

2. PVC Tee Fittings: All PVC tee fittings shall be polyvinyl chloride (PVC) Schedule 40. Pipe products shall be manufactured from virgin plastic of Type 1, Grade 1, PVC compound with cell classification of 12454-B per ASTM D1784. Manufacturer shall be Charlotte Pipe and Foundry Company (or approved equivalent).

Schedule 40 Fittings	
Tee Sx5x5 PVC PART NO. 2400	
Size Universal I	H G Approx.

Size	Universal Part No.	L (in)	H (in)	G (in)	Approx. Wt. (Lbs)
4	401-040	8.75	4.375	2.3125	2.212

3. PVC Elbow Fittings: All PVC elbow fittings shall be polyvinyl chloride (PVC) Schedule 40. Pipe products shall be manufactured from virgin plastic of Type 1, Grade 1, PVC compound with cell classification of 12454-B per ASTM D1784. Manufacturer shall be Charlotte Pipe and Foundry Company (or approved equivalent).



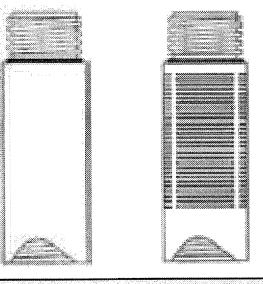
4. PVC Coupling Fittings: All PVC coupling fittings shall be polyvinyl chloride (PVC) Schedule 40. Pipe products shall be manufactured from virgin plastic of Type 1, Grade 1, PVC compound with cell classification of 12454-B per ASTM D1784. Manufacturer shall be Charlotte Pipe and Foundry Company (or approved equivalent).

CHARLOTTE

Schedule 40 Fittings

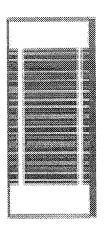
Coupling Sx5 PVC PART NO. 2100			
Size Universal I	Approx		

5. <u>PVC Slotted Pipe</u>: All PVC slotted pipe shall be polyvinyl chloride (PVC) Schedule 40. Pipe products shall be manufactured from virgin plastic of Type 1, Grade 1, PVC compound with cell classification of 12454-B per ASTM D1784. Pipe manufacturer shall be Johnson Screens (or approved equivalent).



			SCHEDUL	E 40 THREA	DED PVC SI	LOTTED SCP	REEN PIPE		
DIA		LENG	iTHS		SCH 40	THREADS PI	RINCH	SCH 40 SLOT WIDTHS	SLOT SPACING
Inches	2 ft	5 ft	10 FT	20 FT	2 TPI	4 TPI	8 TPI	Inches	3/16"
4	X	X	Х	х	X	XX		0.006 - 0.250	Х

Note: XX indicates no O-ring on Schedule 40 with 4 TPI

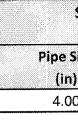


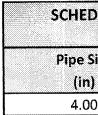
	ACING 1/4"
SP	ACING
DIA LENGTHS SCH 40 SLOT WIDTHS	IOT

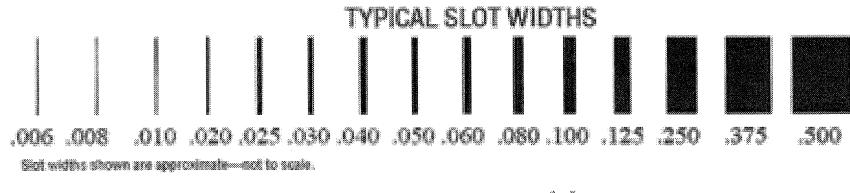
Proceeding per organite inch of external Applications pressure that can be	EUROT PRESSURE Pourds per square method adapted Sydecodatic pressure that can be	Provide STREAM (1)) The proposition weight the Drouble joint can be take a sectoral
		provinces without Country 2012-1993 or tailors

	SCHEDULE 40 PVC PR	AESSURE AND STRENGT	TIADLLD
PIPE SIZE	COLLAPSE PRESSURE (psi)	BURST PRESSURE (psi)	TENSILE STRENGTH (lbs)
4.00	70	110	4,119

SCHEDULI	E 40 SCREEN OPEN ARE	A - STANDARD CONS	TRUCTION					
(Square Inches / Foot)								
Pipe Size	Slot Spacing	Standard Slot	Opening (inches)					
(in)	(in)	0.010	0.020					
4.00	1/4	3.12	6.33					







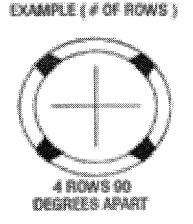
6. <u>Polyester Filter Sock</u>: All filter socks shall be polyester. Supplier shall be Dean Bennet Supply Company (or approved equivalent).

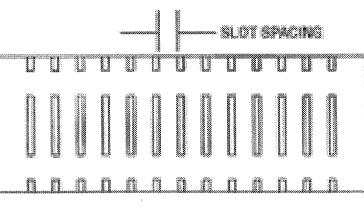


		n Area)	
Size 1)	Slot Spacing (in)	Standard Slot O 0.010	pening (inches) 0.020
)0	1/4	2.07	4.20

		CAPACITY - STANDARD llons per Minute per F	
Size	Slot Spacing	Standard Slot O	
1)	(in)	0.010	0.020
າດ	1/4	0.97	1.96

SLOTTING INFORMATION





Fine Mesh polyester filter sock fits tightly over slotted screen pipe and is designed to prevent fine sand from entering the well screen, The material is 100% knitted polyester, which is inert and resistant to acids and oxidation degradation. Available in continuous lengths up to a full 100' coil. The filter sock has a pore size between 125 - 150 microns and a flow rate of 250 gallons per minute per square foot of area. Filter sock is easily attached to the outside of the screened pipe with nylon cable ties.

JNF FINU	JMF			B≺	
CONCEPTUAL DESIGN CONSTRUCTION DRAWINGS	CONSTRUCTION DRAWINGS		*****	DESCRIPTION	
1 3/15/12 2 3/9/12	3 6/13/12			REV DATE	
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	Wavland Town Cantar	vayially I UVIII UCIICI	430 Boston Post Road	Wayland, Massachusetts	
		ENVIRONMENTAL SERVICES, INC.	400 LIBBEY PARKWAY	VVEYMOUTH, MA UZT89 PH (781) 952-6000, FAX (781) 335-3543	
	/FNTING SVSTEM DESIGN -		FIRACE I,	WAYLAND IOWN GENIEH	· · ·
DRAWING TITLE:	VEN ⁻			AW	
53			NORIS, PE		DATE: JUNE 13, 2012
	DESIGNED BY: JMF			SCALE: N/A	DATE: JUNE 13, 2012

VENTING SYSTEM DESIGN PHASE I WAYLAND TOWN CENTER 430 BOSTON POST ROAD WAYLAND, MASSACHUSETTS

The venting system design includes the sub-surface piping layout for eight (8) commercial buildings (identified on SH1) at Phase I of the Wayland Town Center project. The venting system is not being installed as a required mitigation measure to maintain a condition of No Significant Risk in the site buildings but is being installed voluntarily by Twenty Wayland, at the request of Raytheon. The sub-slab piping system is designed to provide a conveyance system to remove soil vapors that may accumulate in a washed crushed rock layer located below a vapor barrier at the identified buildings. Per Raytheon's request a VOC vapor barrier is only being required at Building 2F. This venting system design includes the piping to be located below the 8 commercial buildings and is to be capped below grade, for later connection and use (by others if necessary).

Plans are based upon current site conditions assuming that subsurface soils consist of a fine to coarse grained sand with little to trace cobbles and is assumed to be suitable for a low pressure, high air flow sub-slab depressurization system;

VOC vapor barrier specifications for Building 2F, or other buildings (if requested), are not included in this design. The sub-slab piping design presented on SH1 assumes that a sub-slab vapor barrier will be installed in conjunction with the sub-slab piping. Plans assume that vapor barriers will be installed below the entire footprint of the building foundation, and that tears, rips, leaks, punctures, protrusions, utility conduits, damage and defects etc., will be sealed in accordance with the vapor barrier manufacturers specifications;

Plans assume that stone above the screened portion of the sub-slab piping will consist of a minimum of 2 inches of ³/₄inch minus washed crushed stone that will be in unimpeded contact with a layer consisting of a minimum of 4-inches of ³/₄-inch minus washed crushed stone placed directly below the selected vapor barrier;

Plans do not include drawing, specifications or other information regarding the proposed vapor barrier, at Building 2F or other building (if requested) and may require modification, based upon the vapor barrier selected;

Sub-slab vacuum must be confirmed (by Raytheon) prior to activation in the field as induced vacuum below the slab may be affected the following:

- Locations of subsurface utilities, piping, drains, footings, columns, or other structures;
- Non-homogeneity of subsurface sands and/or gravel;
- Leaks, tears, rips, holes, punctures, or other damage, or defects in the vapor barrier (regardless of the cause of defect);
- Damage to the piping system, un-approved modifications, incompatible materials, or other installation changes, including the changes that may occur during installation of utilities, foundations vapor barriers, fill materials, building settling, that may alter, or affect the sub-slab piping system; and
- Sub-slab pipe and vapor barrier age.

A visual inspection of the pipe installation will be conducted by VERTEX (and Raytheon will be provided the opportunity to also observe) prior to backfilling piping runs with washed crushed stone. The purpose of the visual inspection is to evaluate potential impacts because of the location of subsurface obstructions (footings, columns, utilities, etc.). The visual inspection is not intended to, nor can it identify all potential impacts from subsurface obstructions but is intended to provide an opportunity to modify, relocate or add piping as required by the VERTEX or requested by Raytheon based upon actual building construction conditions. The criteria to be utilized for the inspection is to ensure that piping is provided at approximately 40 feet on center but no obstructions (i.e., other utilities or structures) are within 20 feet. Changes will be noted on the contract documents.

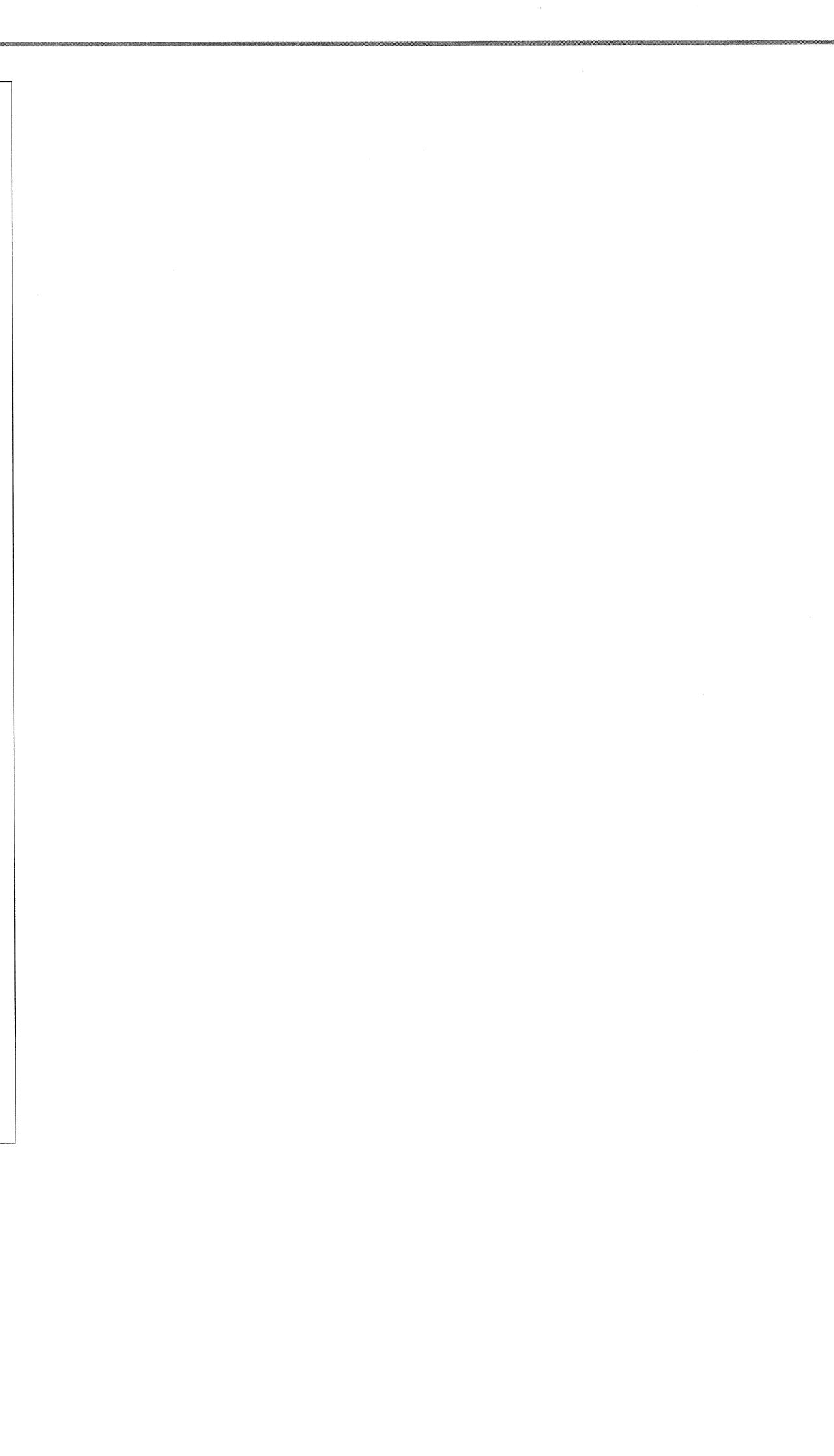
Plans assume that the sub-slab piping will be capped below grade. The Location of the header pipe will be surveyed by the site contractor with ties to the foundation exterior so that the pipe may be located (by others) in the future. Surface piping, air flow regulation control devices, back flow preventers, pipe manifolds, riser connections, piping to building stabilization and hanging, blower/fan sizing, pilot testing, post installation testing (including testing in conjunction with and/or without a vapor barrier), and emissions controls are not included in these design specifications and are to be evaluated, installed, designed and/or conducted by others.

The site contractor will maintain and provide Twenty Wayland and VERTEX with photographic records of pipe installation that document the location of pipes installed at the 8 buildings.

The sub-slab venting system piping is not designed to prevent volatile compounds from entering the building, and will only potentially remove sub-slab volatile organic compounds while active. The installation of a sub-slab piping system and/or a vapor barrier below the site buildings does not remove the requirements for proper pre-and/or post installation and operation testing and sampling (to be conducted by others) to confirm that the sub-slab venting system and/or the vapor barrier are constructed, installed, and operating as required. Modifications to the sub-slab venting system piping and vapor barrier based upon pre-and/or post installation and operation testing and/or sampling are to be conducted by others.

Geotechnical, structural, civil, utility, or other site specific requirements must be evaluated and conducted by others prior to the installation of the sub-surface piping system;

Materials and installation specifications are included in the construction design documentation.



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SCALE: N/A		WAYLAND IOWN CENIEK	WEYMOUTH, MA 02189 PH (781) 952-6000, FAX (781) 335-3543	Wayland, Massachusetts	Constant and a second s	DATE	DESCRIDTION	Ž
DATE: JUNE 13, 2012	13, 2012				-			ā



Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Construction Services, Inc. Vertex International Services Vertex Air Quality Services, LLC Vertex Ingenieros Consultores, S. de R.L. de C.V. Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

October 3, 2012

Twenty Wayland, LLC 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Re: Building 2D Venting System Visual Inspection 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163

Dear Mr. Dougherty:

Vertex Environmental Services, Inc. (VERTEX) is pleased to present this letter summarizing the visual inspection(s) of the vapor venting sub-slab piping for Building 2D currently being constructed at the above referenced property (the site). At the request of Twenty Wayland, LLC, (Twenty Wayland), VERTEX provided stamped construction plans for the construction of a venting system to be installed below the concrete slab of Building 2D. The June 20, 2012, stamped plans were incorporated into the overall construction documentation by the site architect for use by the site contractor(s) to install and construct the venting system piping. The stamped plans were revised on September 26, 2012 to modify the location of the subsurface piping on the western portion of Building 2D. A copy of the September 26, 2012, stamped plans associated with the revision that show the venting system pipe locations are attached.

As part of the venting system design and installation, Twenty Wayland requested that VERTEX conduct visual inspections during piping installation by the contractor to confirm that the piping was being installed in general accordance with the VERTEX design plans prior to the installation of the concrete slab. In addition, VERTEX collected photographic documentation of the venting system piping which is attached for reference.

The inspection was performed on October 3, 2012. The inspections performed were visual-only observations of the venting system piping, trenching and gravel layers. The venting system piping appears to have been installed in general accordance with the September 26, 2012 stamped plans. The locations of the screen segments, solid PVC termination points, and the solid PVC riser to the roof vent were not altered.





Energy

Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

her

Jesse Freeman Senior Project Manager

Jonethan Nois

Jon Noris, PE, LSP Engineer of Record

Encl: Photographs



ii





Photograph: 1

Description:

View of the exterior of Building 2D from the southeast.



Photograph: 2

Description:

View of the interior of Building 2D from the northeast. The SSDS piping is located underneath the covering ³/₄" crushed stone seen in the photograph.



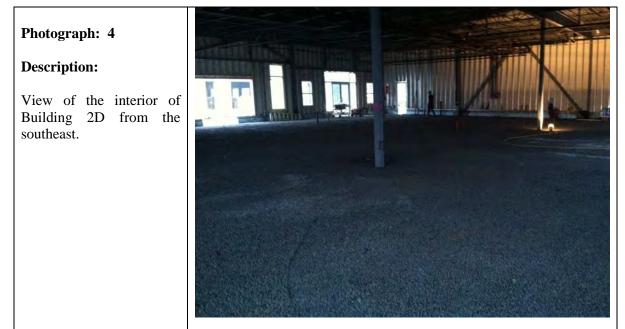


Photograph: 3

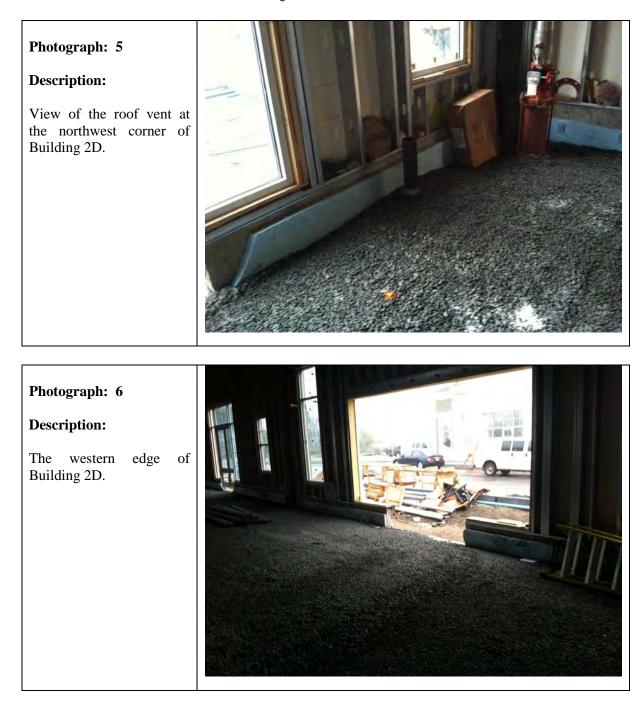
Description:

View of the entry of the solid PVC piping at the eastern edge of Building 2D.

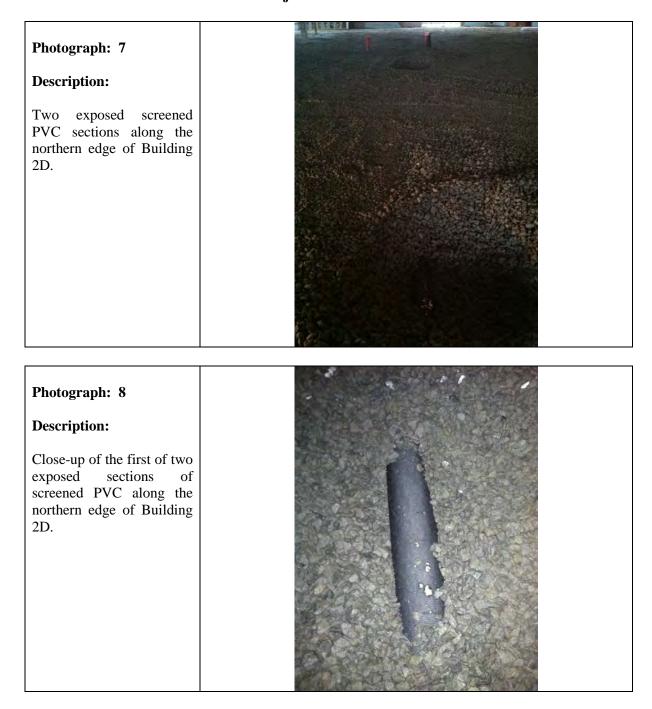




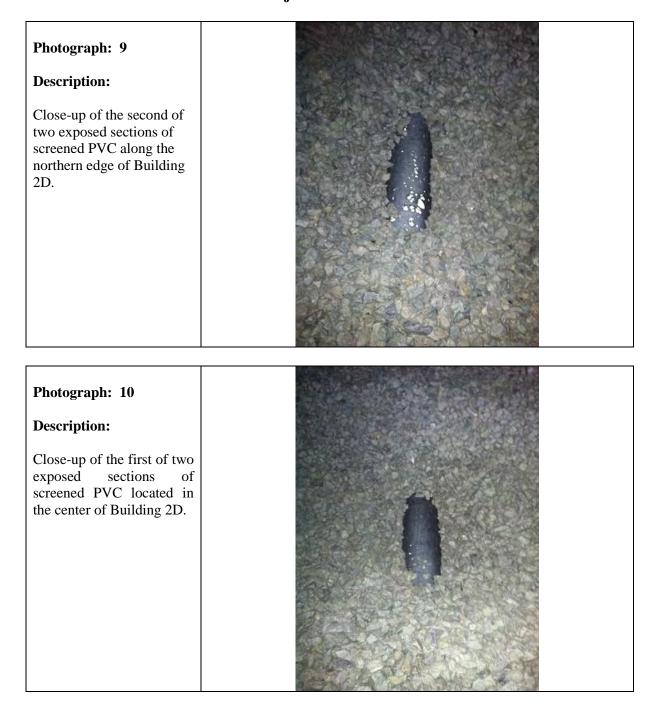




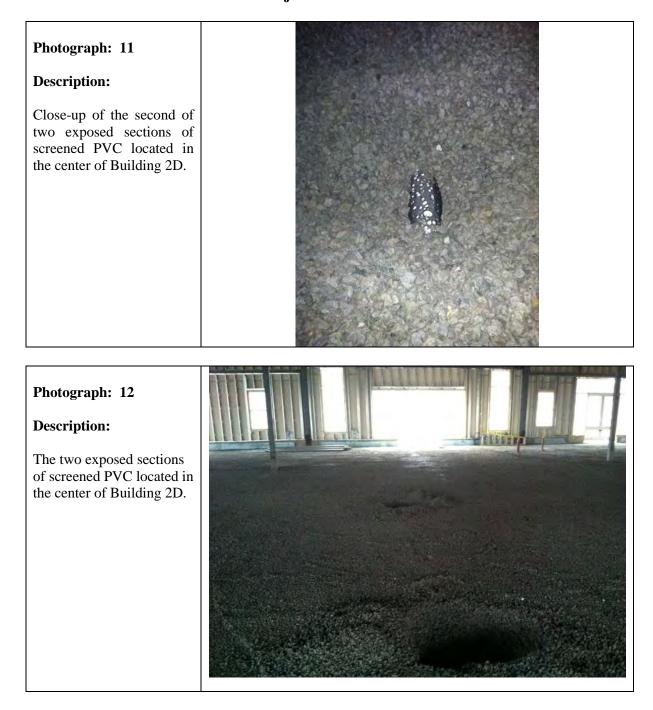




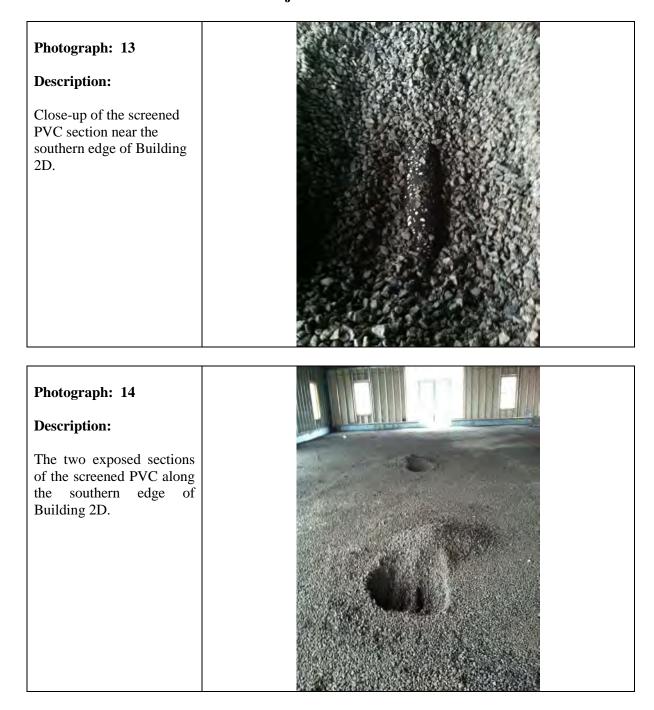






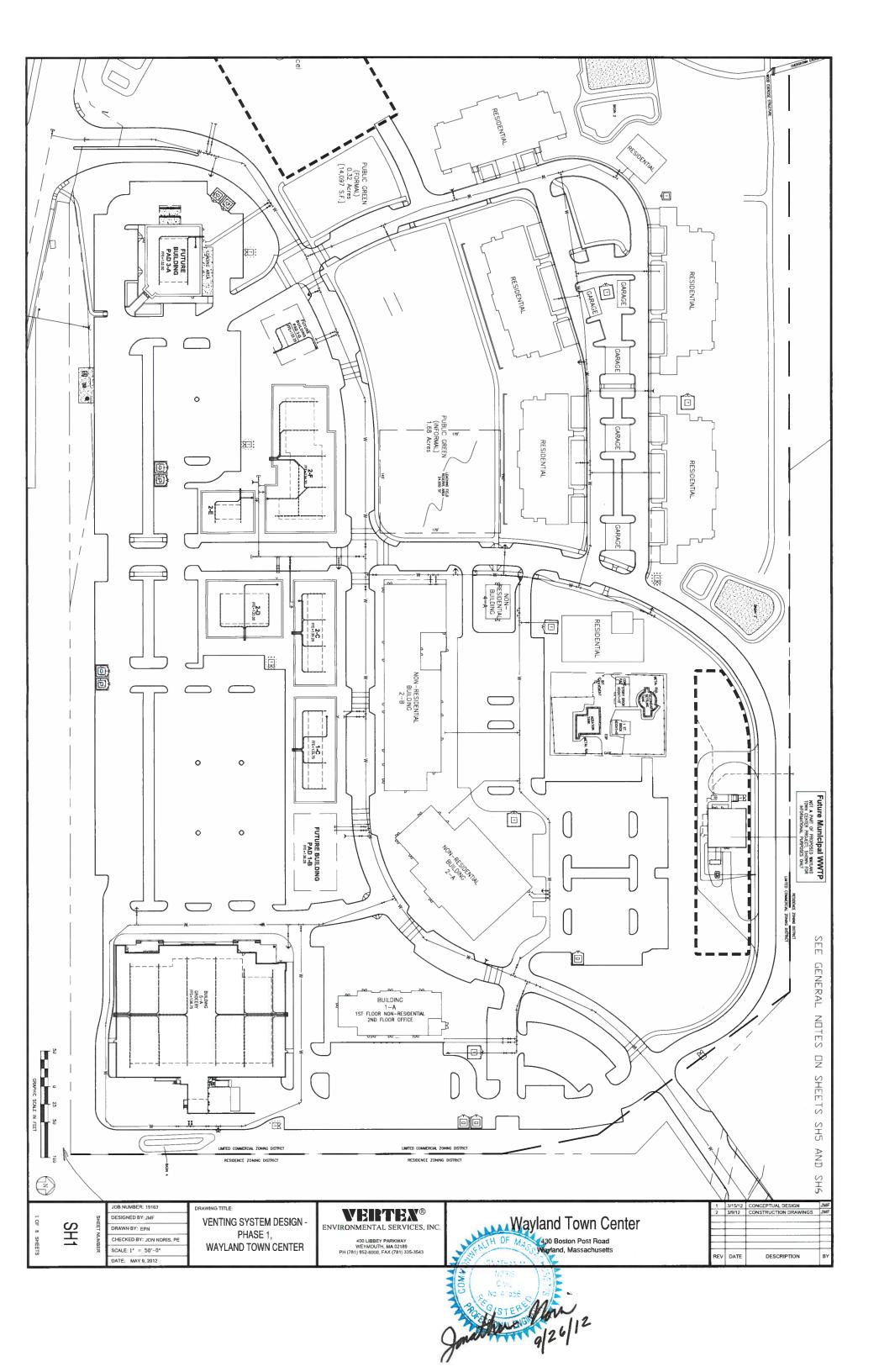


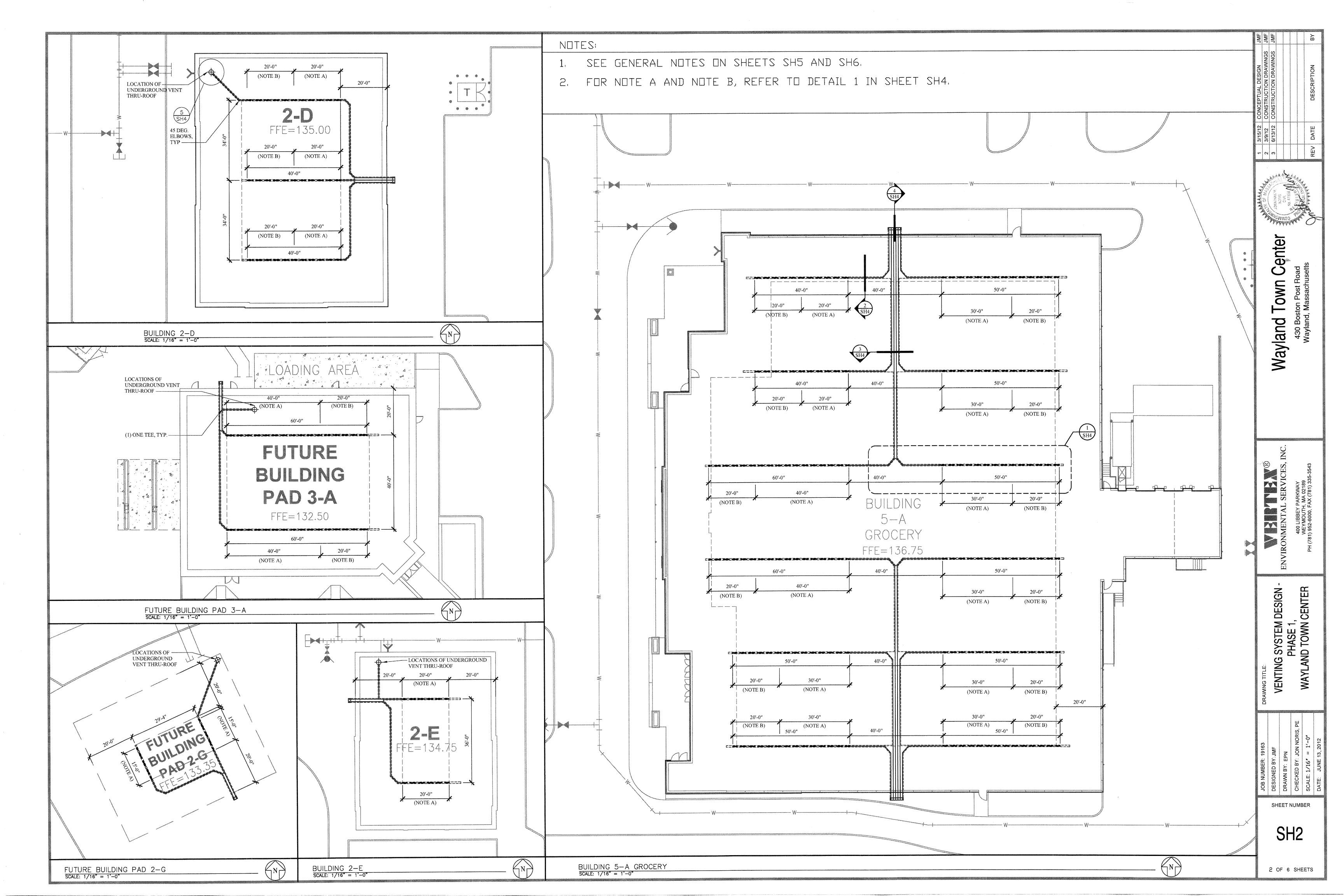


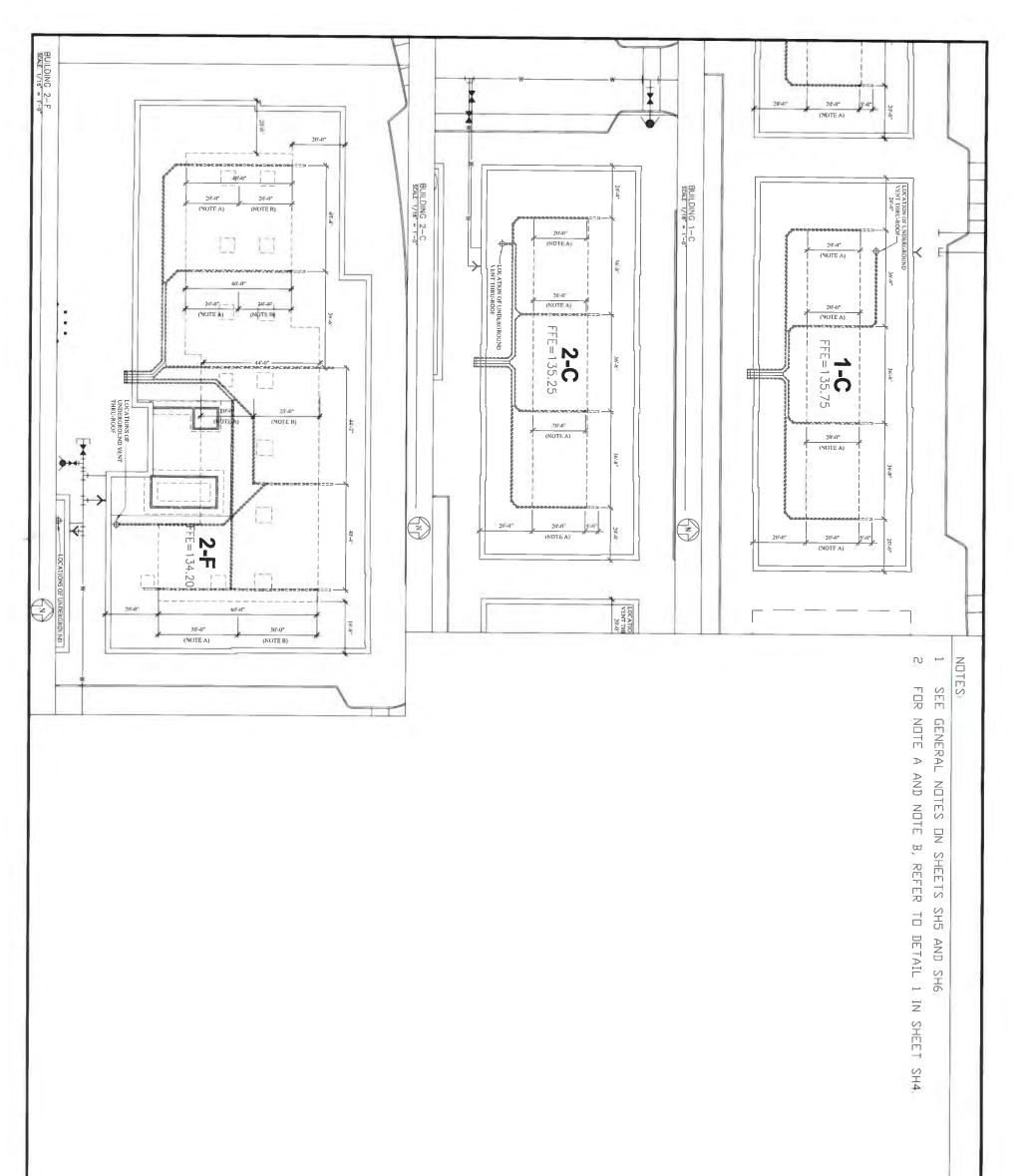




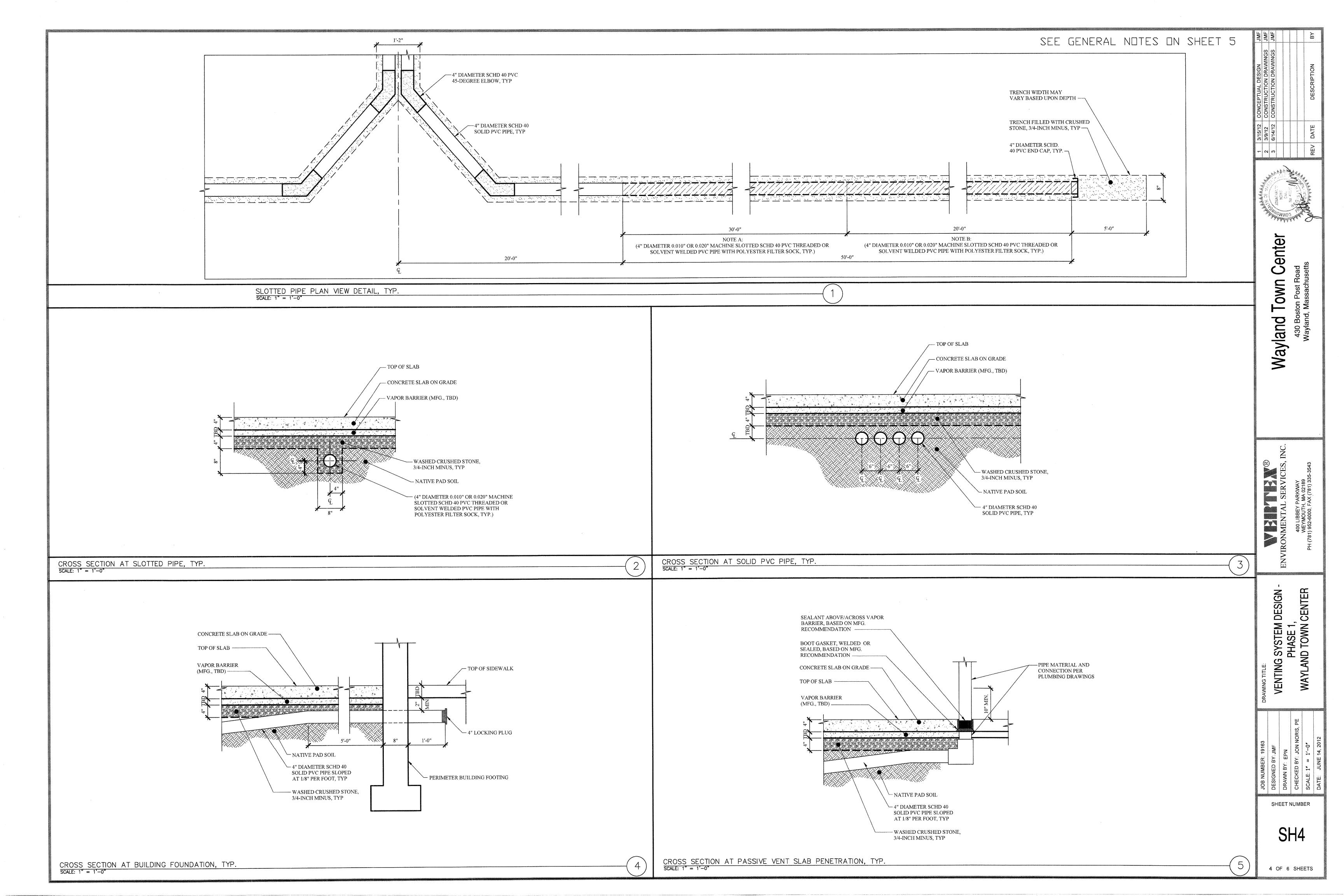








					JONATHAN M NORIS CVIL NO 41526 SISTERIC POINT REPUBLICANT	2			
3 OF 8 SHEETS	SH3	SHEET NUMBER	JOB NUMBER: 19163 DESIGNED BY JMF DRAWN BY EPN CHECKED BY: JON NORIS, PE SCALE: 1/16* = 1*-0* DATE: MAY 9, 2012	DRAWING TITLE VENTING SYSTEM DESIGN - PHASE 1, WAYLAND TOWN CENTER	VERTEX® ENVIRONMENTAL SERVICES, INC. 400 LIBBEY PARWAY WEYMOUTH, MA 02189 PH (781) 952-6000, FAX (781) 335-3543	Wayland Town Center 430 Boston Post Road Wayland, Massachusetts		CONCEPTUAL DESIGN CONSTRUCTION DRAWING DESCRIPTION	JMF 3S JMF



GENERAL NOTES:

1. Solid PVC Pipe: All solid pipe shall be polyvinyl chloride (PVC) Schedule 40. Pipe products shall be manufactured from virgin plastic of Type 1, Grade 1, PVC compound with cell classification of 12454-B per ASTM D1784. Manufacturer shall be Charlotte Pipe and Foundry Company (or approved equivalent).

Pipe Data



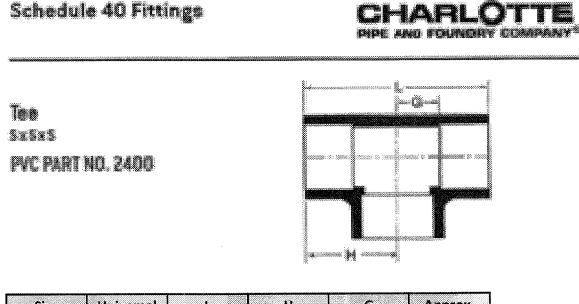
PVC Schedule 40 Pipe

PVC Schedule 40 Pipe - Plain End

PVC Sched	ule 40 Pipe	Plain	End P\	/C 1120	ASTM D17	784
Part No.	Nom. Size (in)	UPC# 611942-	Avg. OD (in)	Min. Wall (lbs/ft)	Max Work Pressure At 73° F	Wt. Per 100 Ft. (Lbs)
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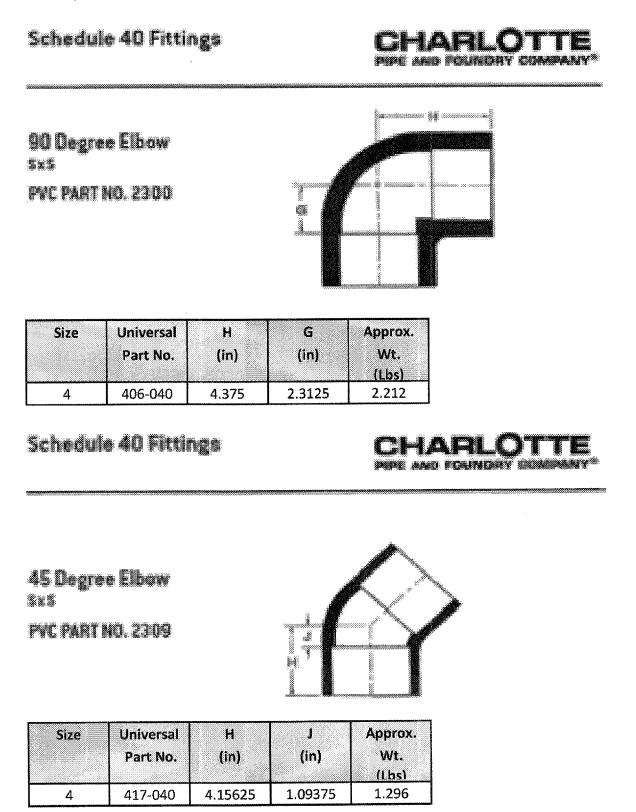
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Schedule 40 Fittings



4	401-040	8.75	4.375	2.3125	2.212
Size	Universal Part No.	L (in)	H (in)	G (in)	Approx. Wt. (Lbs)

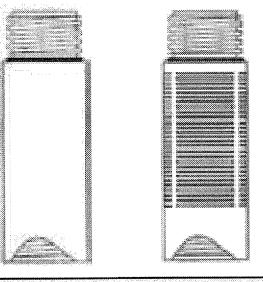
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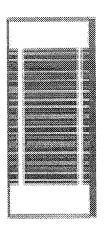
Schedule 40 Fittings	CHARLOTTE
Coupling Ses PVC PART NO. 2100	

5. <u>PVC Slotted Pipe</u>: All PVC slotted pipe shall be polyvinyl chloride (PVC) Schedule 40. Pipe products shall be manufactured from virgin plastic of Type 1, Grade 1, PVC compound with cell classification of 12454-B per ASTM D1784. Pipe manufacturer shall be Johnson Screens (or approved equivalent).



			SCHEDUL	E 40 THREA	DED PVC SL	OTTED SCR	EEN PIPE		
DIA		LENG	iths		SCH 40	THREADS PE	RINCH	SCH 40 SLOT WIDTHS	SLOT SPACING
Inches	2 ft	5 ft	10 FT	20 FT	2 TPI	4 TPI	8 TPI	inches	3/16"
4	X	X	Х	Х	Х	XX		0.006 - 0.250	Х

Note: XX indicates no O-ring on Schedule 40 with 4 TPI

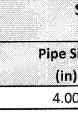


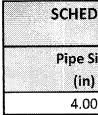
Inches 10 FT	20 FT	Inches 1/4	ľ
DIA LENGTH:	SCH 4	SLOT WIDTHS SLC	

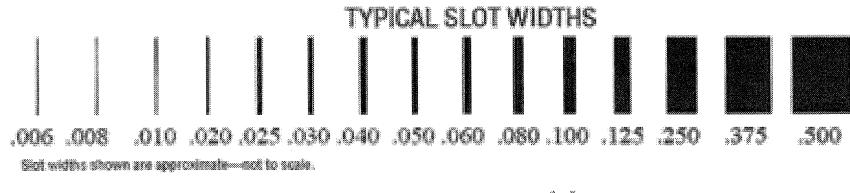
COLLANSA Profitikuting Docensia per separate tech of antarrail Systemitatic processes that can be calledy account.	The set of an end of all and a set of a	Constant STRUMENTI The support of a weath the Donator part can be defined as a weath of part of a minimal constant of the back of takens
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4.00	70	110	4,119
PIPE SIZE	COLLAPSE PRESSURE (psi)	BURST PRESSURE	TENSILE STRENGTH
(in)		(psi)	(lbs)

SCHEDU	LE 40 SCREEN OPEN ARE (Square Incl		RUCTION
Pipe Size	Slot Spacing	Standard Slot O	pening (inches)
(in)	(in)	0.010	0.020
4.00	1/4	3.12	6.33







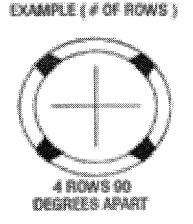
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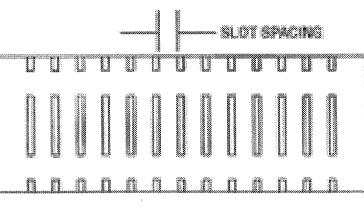


	· · · ·	n Area)	
Size 1)	Slot Spacing (in)	Standard Slot O 0.010	pening (inches) 0.020
)0	1/4	2.07	4.20

	CREEN TRANSMITTING		
Tra Size	ansmitting Capacity (Ga Slot Spacing	llons per Minute per Fo Standard Siot O	
1)	(in)	0.010	0.020
10	1/4	0.97	1.96

SLOTTING INFORMATION





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JNF FINU	JMF			B∕	
CONCEPTUAL DESIGN CONSTRUCTION DRAWINGS	CONSTRUCTION DRAWINGS		*****	DESCRIPTION	
1 3/15/12 2 3/9/12	3 6/13/12			REV DATE	
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		ENVIRONMENTAL SERVICES, INC.	400 LIBBEY PARKWAY	VVEYMOUTH, MA UZT89 PH (781) 952-6000, FAX (781) 335-3543	
	/FNTING SVSTEM DESIGN -		FIAGE 1,	WAYLAND IOWN GENIEH	
DRAWING TITLE:	VEN	۲ ۲		>	
53			NORIS, PE		DATE: JUNE 13, 2012
	DESIGNED BY: JMF			SCALE: N/A	DATE: JUNE 13, 2012

VENTING SYSTEM DESIGN PHASE I WAYLAND TOWN CENTER 430 BOSTON POST ROAD WAYLAND, MASSACHUSETTS

The venting system design includes the sub-surface piping layout for eight (8) commercial buildings (identified on SH1) at Phase I of the Wayland Town Center project. The venting system is not being installed as a required mitigation measure to maintain a condition of No Significant Risk in the site buildings but is being installed voluntarily by Twenty Wayland, at the request of Raytheon. The sub-slab piping system is designed to provide a conveyance system to remove soil vapors that may accumulate in a washed crushed rock layer located below a vapor barrier at the identified buildings. Per Raytheon's request a VOC vapor barrier is only being required at Building 2F. This venting system design includes the piping to be located below the 8 commercial buildings and is to be capped below grade, for later connection and use (by others if necessary).

Plans are based upon current site conditions assuming that subsurface soils consist of a fine to coarse grained sand with little to trace cobbles and is assumed to be suitable for a low pressure, high air flow sub-slab depressurization system;

VOC vapor barrier specifications for Building 2F, or other buildings (if requested), are not included in this design. The sub-slab piping design presented on SH1 assumes that a sub-slab vapor barrier will be installed in conjunction with the sub-slab piping. Plans assume that vapor barriers will be installed below the entire footprint of the building foundation, and that tears, rips, leaks, punctures, protrusions, utility conduits, damage and defects etc., will be sealed in accordance with the vapor barrier manufacturers specifications;

Plans assume that stone above the screened portion of the sub-slab piping will consist of a minimum of 2 inches of ³/₄inch minus washed crushed stone that will be in unimpeded contact with a layer consisting of a minimum of 4-inches of ³/₄-inch minus washed crushed stone placed directly below the selected vapor barrier;

Plans do not include drawing, specifications or other information regarding the proposed vapor barrier, at Building 2F or other building (if requested) and may require modification, based upon the vapor barrier selected;

Sub-slab vacuum must be confirmed (by Raytheon) prior to activation in the field as induced vacuum below the slab may be affected the following:

- Locations of subsurface utilities, piping, drains, footings, columns, or other structures;
- Non-homogeneity of subsurface sands and/or gravel;
- Leaks, tears, rips, holes, punctures, or other damage, or defects in the vapor barrier (regardless of the cause of defect);
- Damage to the piping system, un-approved modifications, incompatible materials, or other installation changes, including the changes that may occur during installation of utilities, foundations vapor barriers, fill materials, building settling, that may alter, or affect the sub-slab piping system; and
- Sub-slab pipe and vapor barrier age.

A visual inspection of the pipe installation will be conducted by VERTEX (and Raytheon will be provided the opportunity to also observe) prior to backfilling piping runs with washed crushed stone. The purpose of the visual inspection is to evaluate potential impacts because of the location of subsurface obstructions (footings, columns, utilities, etc.). The visual inspection is not intended to, nor can it identify all potential impacts from subsurface obstructions but is intended to provide an opportunity to modify, relocate or add piping as required by the VERTEX or requested by Raytheon based upon actual building construction conditions. The criteria to be utilized for the inspection is to ensure that piping is provided at approximately 40 feet on center but no obstructions (i.e., other utilities or structures) are within 20 feet. Changes will be noted on the contract documents.

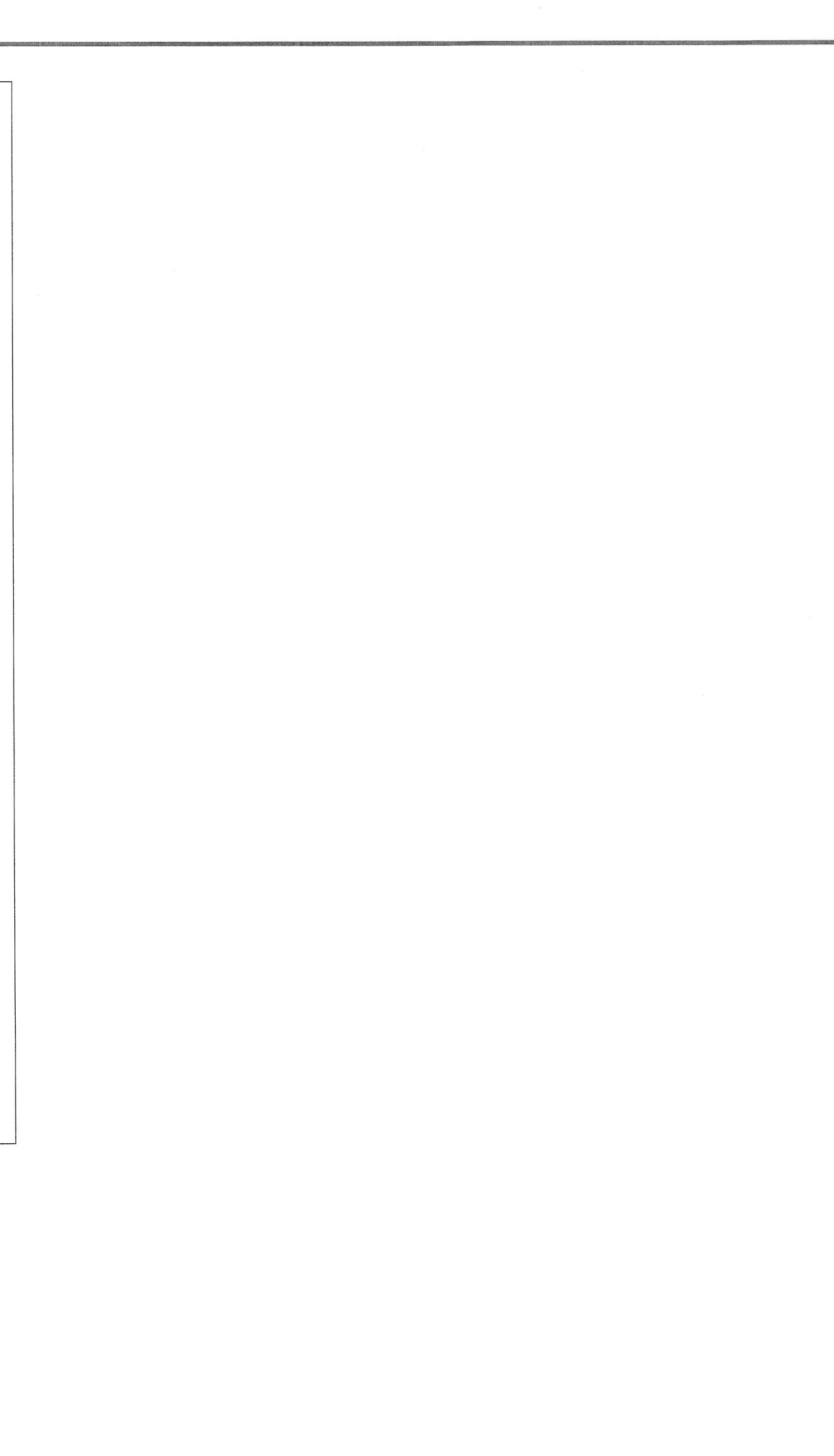
Plans assume that the sub-slab piping will be capped below grade. The Location of the header pipe will be surveyed by the site contractor with ties to the foundation exterior so that the pipe may be located (by others) in the future. Surface piping, air flow regulation control devices, back flow preventers, pipe manifolds, riser connections, piping to building stabilization and hanging, blower/fan sizing, pilot testing, post installation testing (including testing in conjunction with and/or without a vapor barrier), and emissions controls are not included in these design specifications and are to be evaluated, installed, designed and/or conducted by others.

The site contractor will maintain and provide Twenty Wayland and VERTEX with photographic records of pipe installation that document the location of pipes installed at the 8 buildings.

The sub-slab venting system piping is not designed to prevent volatile compounds from entering the building, and will only potentially remove sub-slab volatile organic compounds while active. The installation of a sub-slab piping system and/or a vapor barrier below the site buildings does not remove the requirements for proper pre-and/or post installation and operation testing and sampling (to be conducted by others) to confirm that the sub-slab venting system and/or the vapor barrier are constructed, installed, and operating as required. Modifications to the sub-slab venting system piping and vapor barrier based upon pre-and/or post installation and operation testing and/or sampling are to be conducted by others.

Geotechnical, structural, civil, utility, or other site specific requirements must be evaluated and conducted by others prior to the installation of the sub-surface piping system;

Materials and installation specifications are included in the construction design documentation.



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DATE: JUNE 13, 2012				-			ā



Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Construction Services, Inc. Vertex International Services Vertex Air Quality Services, LLC Vertex Ingenieros Consultores, S. de R.L. de C.V. Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

August 16, 2012

Twenty Wayland, LLC 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Re: Building 2E Venting System Visual Inspection 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163

Dear Mr. Dougherty:

Vertex Environmental Services, Inc. (VERTEX) is pleased to present this letter summarizing the visual inspection(s) of the vapor venting sub-slab piping for Building 2E currently being constructed at the above referenced property (the site). At the request of Twenty Wayland, LLC, (Twenty Wayland), VERTEX provided stamped construction plans for the construction of a venting system to be installed below the concrete slab of Building 2E. The stamped plans (last revision as of this letter June 20, 2012) were incorporated into the overall construction documentation by the site architect for use by the site contractor(s) to install and construct the venting system piping.

As part of the venting system design and installation, Twenty Wayland requested that VERTEX conduct visual inspections during piping installation by the contractor to confirm that the piping was being installed in general accordance with the VERTEX design plans prior to the installation of the concrete slab. In addition, VERTEX collected photographic documentation of the venting system piping which is attached for reference.

The inspection was performed on August 14, 2012. The inspections performed were visual-only observations of the venting system piping, trenching and gravel layers. The venting system piping appears to have been installed in general accordance with the architectural construction documents and VERTEX design specifications, with the exception of the location of the termination of the solid 4-inch diameter PVC pipe where the pipe exits the building. The pipe was moved approximately 10 feet south along the western building wall). The minor modification of the pipe location was required to position the end of the 4-inch diameter pipe in a landscaped area for easier access in the future (if necessary). The location of the two 20-foot segments of 4-inch diameter PVC with 0.02"-slotted screen and the roof vent on the northwestern corner of the building were not altered.





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Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

Jesse Freeman Senior Project Manager

methan Nons

Jon Noris, PE, LSP Engineer of Record

Encl: Photographs

Jessica Fox, PE Division Manager



ii





Photograph: 1

Description:

View of the interior of Building 2E prior to SSDS trenching.



Photograph: 2

Description:

View of the northern portion of the interior of Building 2E prior to SSDS trenching.





Photograph: 3

Description:

Hand-digging the northern trench for the 20-foot segment of 0.02"-slotted 4inch PVC screen (northern screen segment). This trench was hand-dug because of the close proximity of a grease trap and subgrade sink lines.



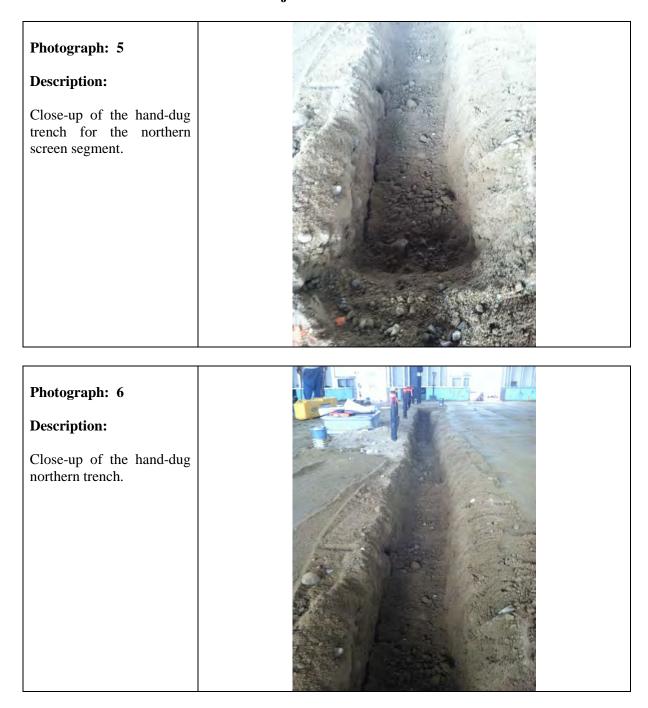
Photograph: 4

Description:

The hand-dug northern trench for the northern screen segment.





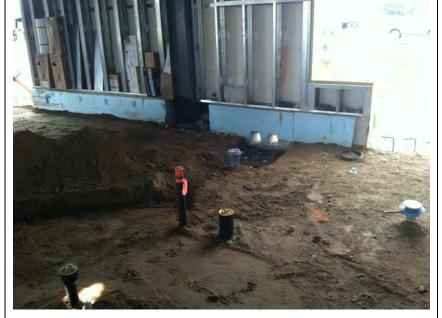




Photograph: 7

Description:

View of the exit of the two legs of the SSDS piping at the western edge of Building 2E.



Photograph: 8

Description:

View of the northern screen segment trench and connected trench.





Photograph: 9

Description:

Top: View of the southern trench for the 20-foot segment of 0.02"-slotted 4inch PVC screen (southern screen segment). Center-bottom: View of the connected trench.



Photograph: 10

Description:

Close-up of the southern connected trench.









Photograph: 13

Description:

Close-up of a 45-degree bend in the southern connected trench and associated piping.



Photograph: 14

Description:

View of the exit of the connected trench piping. The exit is located on the western side of the building.







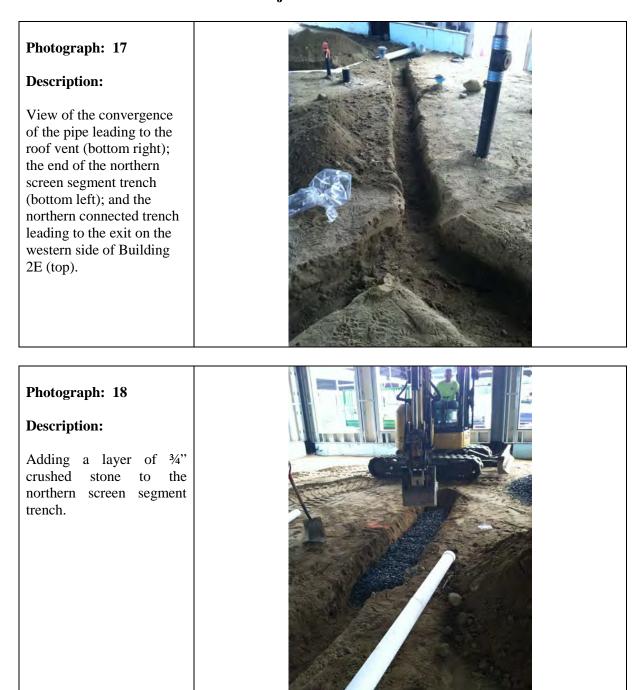
Photograph: 16

Description:

Hand-digging the northern connected trench. An extension on the northern screen segment is located at the bottom of the photograph.









Photograph: 19

Description:

Pipe laid in the trench as described in Photograph 17. The pipe to the roof vent is located at top-left; the northern screen segment is located to the right, and the pipe leading to the exit of Building 2E is located on the bottom left.



Photograph: 20

Description:

View of the southern screen segment trench (bottom left); and southern connected trench and piping (left).





Photograph: 21

Description:

View of the SSDS piping exit on the western edge of Building 2E from outside.



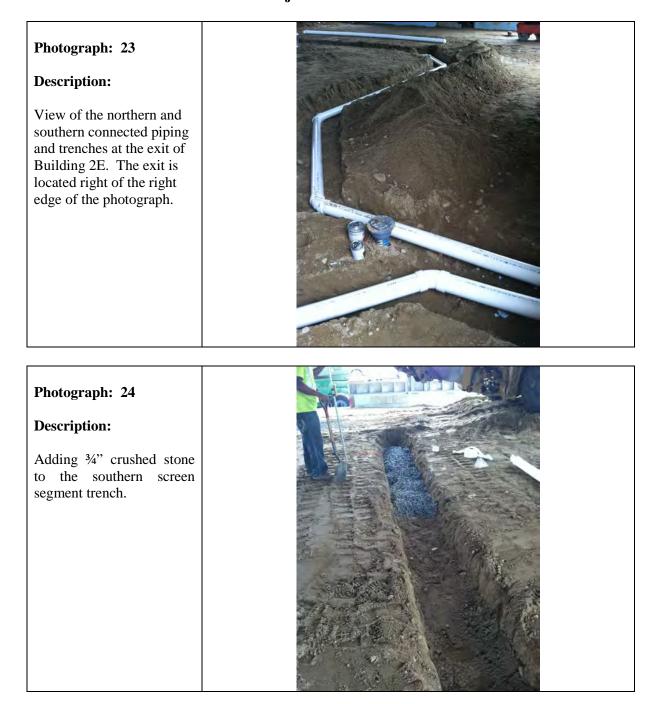
Photograph: 22

Description:

View of the northern and southern connected piping and trenches at the exit of Building 2E.









Photograph: 25

Description:

Close-up of the northern screen segment trench and sleeve-covered screened PVC piping.



Photograph: 26

Description:

Adding crushed stone to the top and sides of the northern screen segment piping and trench.





Photograph: 27

Description:

View of the setting of the northern connected trench at final pitch to allow for excess water drainage to the northern screen segment.



Photograph: 28

Description:

View of the setting of the northern connected trench at final pitch to allow for excess water drainage to the northern screen segment.





Photograph: 29

Description:

View of the final grade of the ends of the northern and southern legs at the exit of Building 2E.



Photograph: 30

Description:

View of the southern screen segment and sleeve-covered screened PVC.





Photograph: 31

Description:

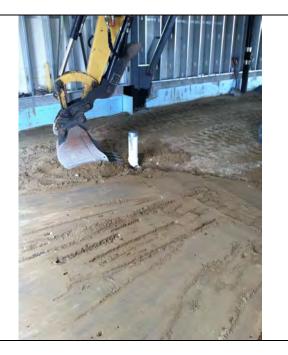
View of the interior of Building 2E from the southeast.



Photograph: 32

Description:

Backfilling the northern connected trench. The pipe stick-up is the future connection to the roof vent.







Photograph: 34

Description:

View of the capped ends of the northern and southern leg exits at the western edge of Building 2E.





Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Construction Services, Inc. Vertex International Services Vertex Air Quality Services, LLC Vertex Ingenieros Consultores, S. de R.L. de C.V. Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

October 2, 2012

Twenty Wayland, LLC 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Re: Building 2F Venting System Visual Inspection 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163

Dear Mr. Dougherty:

Vertex Environmental Services, Inc. (VERTEX) is pleased to present this letter summarizing the visual inspection(s) of the vapor venting sub-slab piping for Building 2F currently being constructed at the above referenced property (the site). At the request of Twenty Wayland, LLC, (Twenty Wayland), VERTEX provided stamped construction plans for the construction of a venting system to be installed below the concrete slab of Building 2F. The stamped plans, were revised on September 26, 2012 to modify the location of the subsurface piping on the western portion of building 2F to avoid footings and other subsurface obstructions. A copy of the September 26, 2012, stamped plans associated with the revision that show the venting system pipe locations are attached.

As part of the venting system design and installation, Twenty Wayland requested that VERTEX conduct visual inspections during piping installation by the contractor to confirm that the piping was being installed in general accordance with the VERTEX design plans prior to the installation of the concrete slab. In addition, VERTEX collected photographic documentation of the venting system piping which is attached for reference.

The inspection was performed on October 1, 2012. The inspections performed were visual-only observations of the venting system piping, trenching and gravel layers. The venting system piping appears to have been installed in general accordance with the September 26, 2012 stamped plans, architectural construction documents and VERTEX design specifications, with the exception that the location of the roof vent was moved approximately four feet to the west, to the interior of the sprinkler room. The locations of the screen segments, solid PVC termination points, and the solid PVC riser to the roof vent were not altered.







Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

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Jesse Freeman Senior Project Manager

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Jon Noris, PE, LSP Engineer of Record

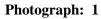
Encl: Photographs



ii







Description:

View of a screen trench in the center of Building 2F.



Photograph: 2

Description:

View of a screened section covered with ³/₄" crushed stone.





Photograph: 3

Description:

View of the T-junction at the eastern end of Building 2F.



Photograph: 4

Description:

View of a screen segment in the central portion of Building 2F.





Photograph: 5

Description:

View of a screened section in the central portion of Building 2F.



Photograph: 6

Description:

View of the trench leading to the new location for the roof vent (approximately four feet to the west).





Photograph: 7

Description:

View of the termination of a screened segment in Building 2F.



Photograph: 8

Description:

View of a solid PVC section near the elevator pit in Building 2F.





Photograph: 9

Description:

View of two solid PVC sections in Building 2F.



Photograph: 10

Description:

View of a screened segment covered with crushed ³/₄" stone and a solid PVC riser segment near the southern end of Building 2F.





Photograph: 11

Description:

View of the entry of the five legs in Building 2F. The entry point is located on the south side of the building.



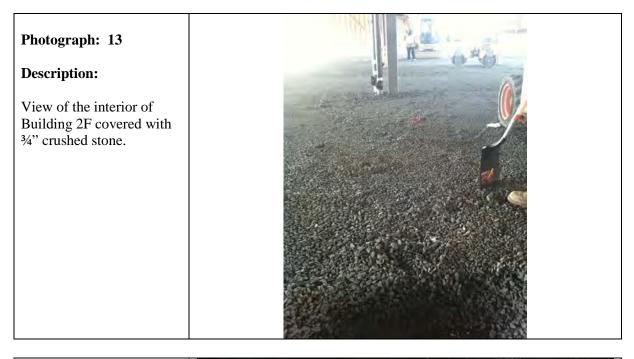
Photograph: 12

Description:

View of the western portion of the interior of Building 2F covered with ³/₄" crushed stone. The hole represents one of the screened PVC sections; the segment runs left to right.







Photograph: 14

Description:

View of the interior of Building 2F covered with ³⁄₄" crushed stone. The picture depicts the central, northern, and eastern portions of the building.

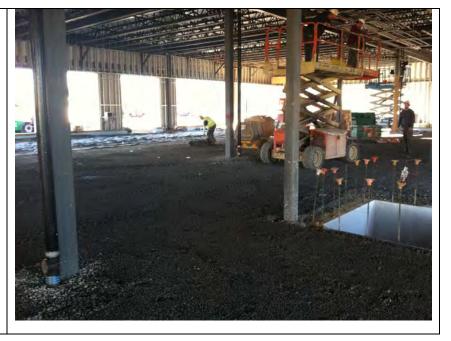


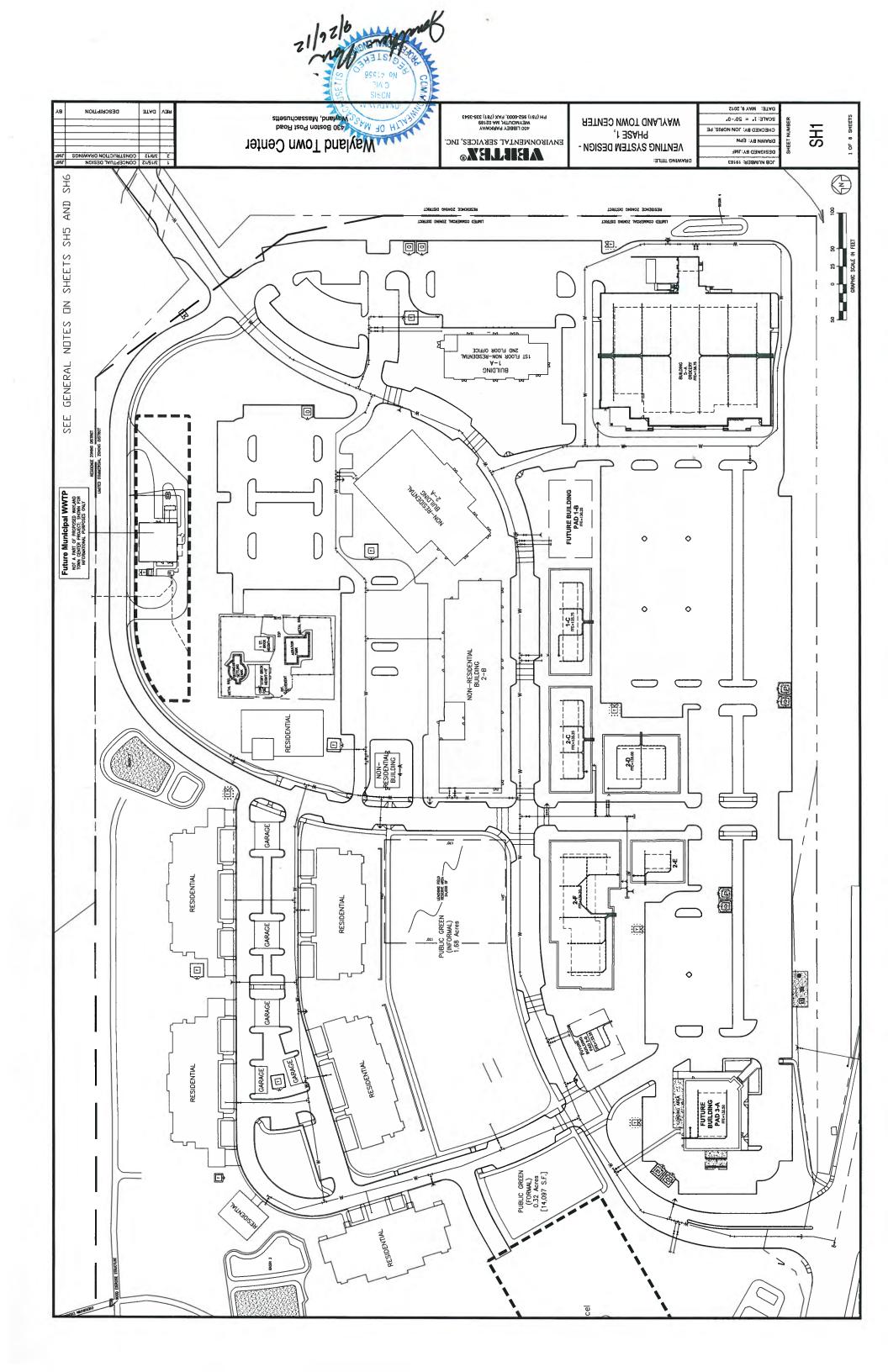


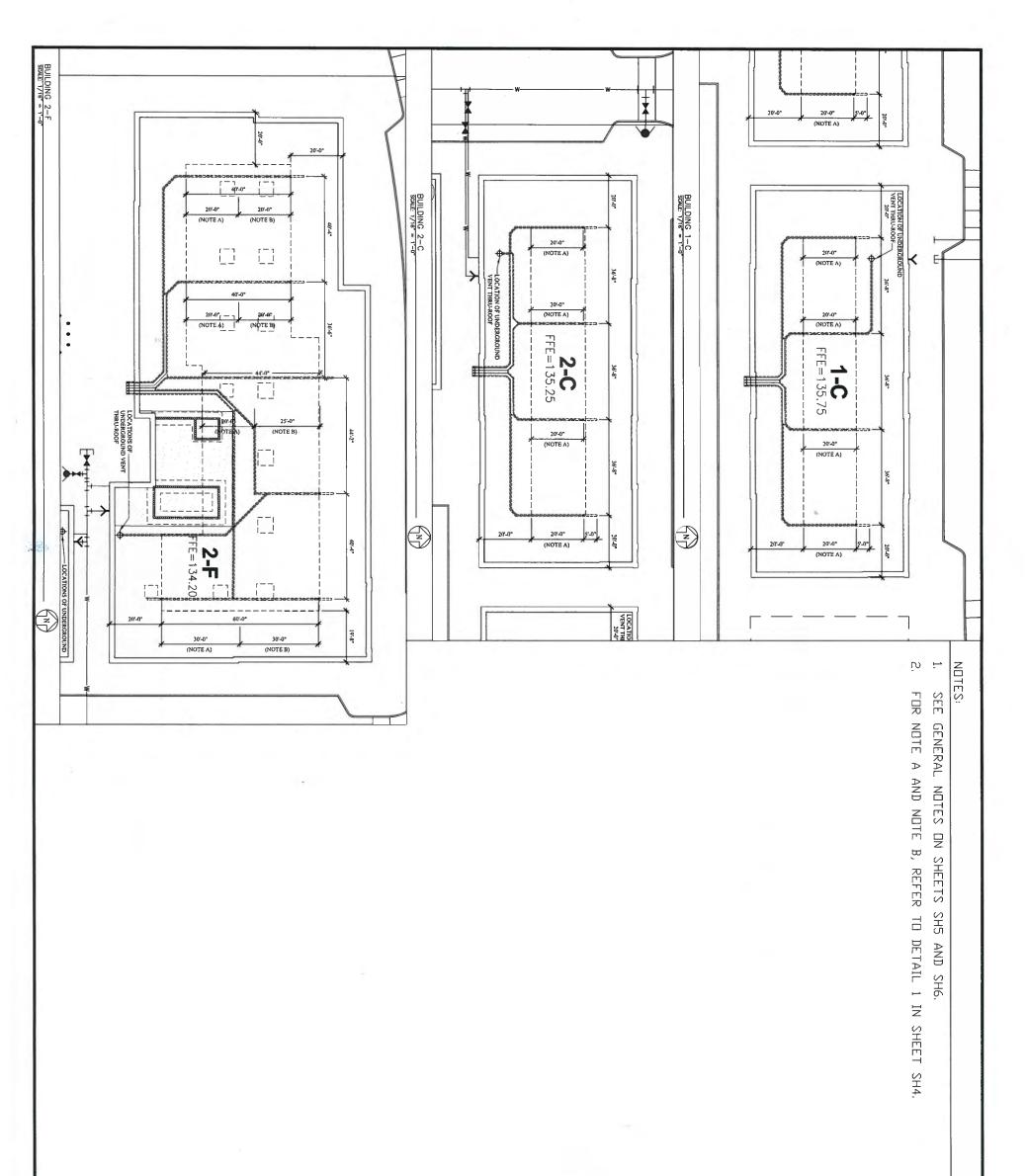
Photograph: 15

Description:

View of the interior of Building 2F covered with ³⁄4" crushed stone. The elevator pit is located at the right of the photo. The picture depicts the northern portion of the building.







					JONATHAN M. NORIS CIVIL No. 41556 SISTERS MARKAN MARKAN NO. 41556 SISTERS MARKAN SISTERS MARKAN SISTERS SISTERS MARKAN SISTERS	2				
3 OF 8 SHEETS	SH3	똶	JOB NUMBER: 19163 DESIGNED BY: JMF DRAWN BY: EPN CHECKED BY: JON NORIS, PE SCALE: 1/16" = 1'-0" DATE: MAY 9, 2012	DRAWING TITLE: VENTING SYSTEM DESIGN - PHASE 1, WAYLAND TOWN CENTER	WEBRITEN® ENVIRONMENTAL SERVICES, INC. 400 LIBBEY PARKWAY WEYMOUTH, MA 02189 PH (781) 952-6000, FAX (781) 335-3543	Wayland Town Center	1	3/15/12 3/9/12	CONCEPTUAL DESIGN CONSTRUCTION DRAWINGS	JMF S JMF
	ಹ	ER P				430 Boston Post Road Wayland, Massachusetts	REV	/ DATE	DESCRIPTION	BY



Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Construction Services, Inc. Vertex International Services Vertex Air Quality Services, LLC Vertex Ingenieros Consultores, S. de R.L. de C.V. Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

December 10, 2012

Twenty Wayland, LLC 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Re: Building 2G Venting System Visual Inspection 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163

Dear Mr. Dougherty:

Vertex Environmental Services, Inc. (VERTEX) is pleased to present this letter summarizing the visual inspection(s) of the vapor venting sub-slab piping for Building 2G currently being constructed at the above referenced property (the site). At the request of Twenty Wayland, LLC, (Twenty Wayland), VERTEX provided stamped construction plans for the construction of a venting system to be installed below the concrete slab of Building 2G. The stamped plans (last revision as of this letter November 21, 2012) were incorporated into the overall construction documentation by the site architect for use by the site contractor(s) to install and construct the venting system piping. A copy of the November 21, 2012, stamped plans associated with the revision that show the venting system pipe locations are attached.

As part of the venting system design and installation, Twenty Wayland requested that VERTEX conduct visual inspections during piping installation by the contractor to confirm that the piping was being installed in general accordance with the VERTEX design plans prior to the installation of the concrete slab. In addition, VERTEX collected photographic documentation of the venting system piping which is attached for reference.

The inspection was performed on December 4, 2012. The inspections performed were visual-only observations of the venting system piping, trenching and gravel layers. The venting system piping appears to have been installed in general accordance with the November 21, 2012 stamped plans, architectural construction documents and VERTEX design specifications, with the exception that the location of the roof vent was moved approximately forty feet to the south, along the west wall. The locations of the screen segments, solid PVC termination points, and the solid PVC riser to the roof vent were not altered.







Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

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Jesse Freeman Senior Project Manager

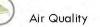
Jonethan Nois

Jon Noris, PE, LSP Engineer of Record

Encl: Photographs



ii





Photograph: 1

Description:

View of the two solid PVC section entering the building from the south side of Building 2G.



Photograph: 2

Description:

View of a screened section covered with ³/₄" crushed stone.





Photograph: 3

Description:

View of the screened segment and the roof vent. The roof vent runs along the north corner and runs back south along the roof to vent towards the southern end of Building 2G.



Photograph: 4

Description:

View of a solid PVC section in the northern portion of Building 2G.





Photograph: 5

Description:

View of a roof vent coming up out of the ground entering a iron pipe to be vented out of the roof of Building 2G.





Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Construction Services, Inc. Vertex International Services Vertex Air Quality Services, LLC Vertex Ingenieros Consultores, S. de R.L. de C.V. Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

December 10, 2012

Twenty Wayland, LLC 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Re: Building 3A Venting System Visual Inspection 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163

Dear Mr. Dougherty:

Vertex Environmental Services, Inc. (VERTEX) is pleased to present this letter summarizing the visual inspection(s) of the vapor venting sub-slab piping for Building 3A currently being constructed at the above referenced property (the site). At the request of Twenty Wayland, LLC, (Twenty Wayland), VERTEX provided stamped construction plans for the construction of a venting system to be installed below the concrete slab of Building 3A. The stamped plans (last revision as of this letter November 21, 2012) were incorporated into the overall construction documentation by the site architect for use by the site contractor(s) to install and construct the venting system piping. A copy of the November 21, 2012, stamped plans associated with the revision that show the venting system pipe locations are attached..

As part of the venting system design and installation, Twenty Wayland requested that VERTEX conduct visual inspections during piping installation by the contractor to confirm that the piping was being installed in general accordance with the VERTEX design plans prior to the installation of the concrete slab. In addition, VERTEX collected photographic documentation of the venting system piping which is attached for reference.

The inspection was performed on December 4, 2012. The inspections performed were visual-only observations of the venting system piping and gravel layers. The venting system piping appears to have been installed in general accordance with the November 21, 2012 stamped plans, architectural construction documents and VERTEX design specifications, with the exception that the location of the roof vent was moved approximately ten feet to the west.. The locations of the screen segments, solid PVC termination points, and the solid PVC riser to the roof vent were not altered.







Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

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Jesse Freeman Senior Project Manager

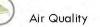
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Jon Noris, PE, LSP Engineer of Record

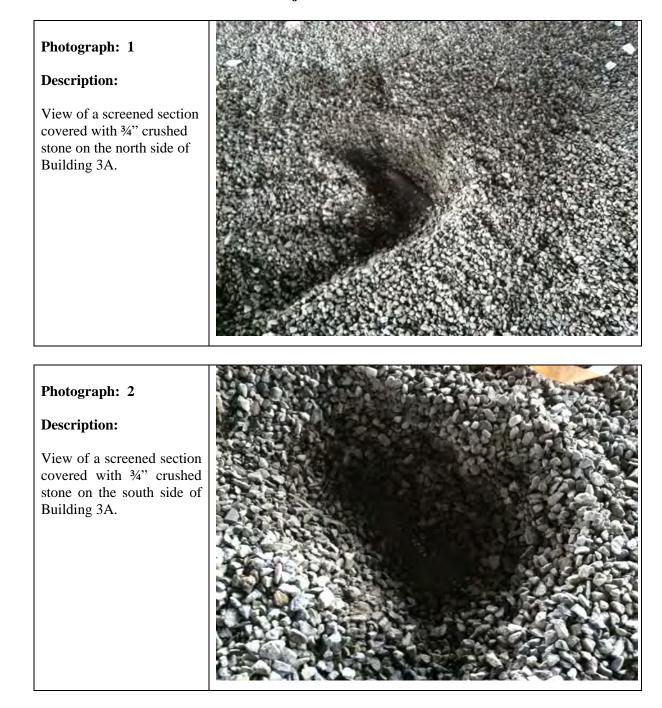
Encl: Photographs



ii









Photograph: 3

Description:

View of a screened section covered with ³/₄" crushed stone on the south side of Building 3A.



Photograph: 4

Description:

View of the roof vent coming up through the crushed stone in the north east corner of Building 3A.





Photograph: 5

Description:

View of the interior of Building 2F covered with ³/₄" crushed stone. The picture depicts the interior of the building.



Photograph: 13

Description:

View of the interior of Building 2F covered with ³/₄" crushed stone.





Vertex Environmental Services, Inc. Vertex Environmental Insurance Services, Inc. Vertex Construction Services, Inc. Vertex International Services Vertex Air Quality Services, LLC Vertex Ingenieros Consultores, S. de R.L. de C.V. Corporate Headquarters 400 Libbey Parkway Weymouth, MA 02189 www.vertexeng.com p: 781.952.6000 f: 781.335.3543

July 13, 2012

Twenty Wayland, LLC 10 Memorial Boulevard Suite 901 Providence, RI 02903 Attention: Mr. Frank Dougherty

Re: Stop and Shop Venting System Visual Inspection 430 Boston Post Road Wayland, Massachusetts VERTEX Project No. 19163

Dear Mr. Dougherty:

Vertex Environmental Services, Inc. (VERTEX) is pleased to present this letter summarizing the visual inspection(s) of the vapor venting sub-slab piping for the Stop and Shop building currently being constructed at the above referenced property (the site). At the request of Twenty Wayland, LLC, (Twenty Wayland), VERTEX provided stamped construction plans for the construction of a venting system to be installed below the concrete slab of the proposed Stop and Shop building. The stamped plans (last revision as of this letter June 20, 2012) were incorporated into the overall construction documentation by the site architect for use by the site contractor(s) to install and construct the venting system piping.

As part of the venting system design and installation, Twenty Wayland requested that VERTEX conduct visual inspections during piping installation by the contractor to confirm that the piping was being installed in general accordance with the VERTEX design plans prior to the installation of the concrete slab. In addition, VERTEX collected photographic documentation of the venting system piping which is attached for reference.

Because of the size of the Stop and Shop building, three inspections were required to conduct a 100-percent inspection of the vapor venting piping. The inspections were conducted as follows (percentages are approximate):

- June 21, 2012 20-percent;
- June 27, 2012 60-percent; and
- July 2, 2012 100-percent.

The inspections performed were visual only observations of the venting system piping, trenching and gravel layers. Based upon the visual inspection, the venting system piping appears to have







been installed in general accordance with the architectural construction documents and VERTEX design specifications.

Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

Vertex Environmental Services, Inc.

Jesse Freeman Senior Project Manager

Inethan Nons

Jon Norris, PE, LSP Engineer of Record

Encl: Photographs

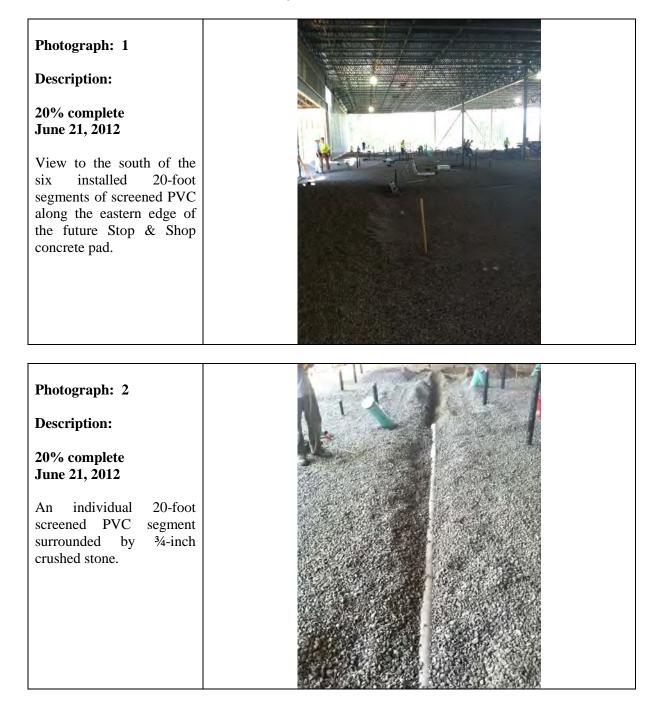
Jessica Fox, PE Division Manager



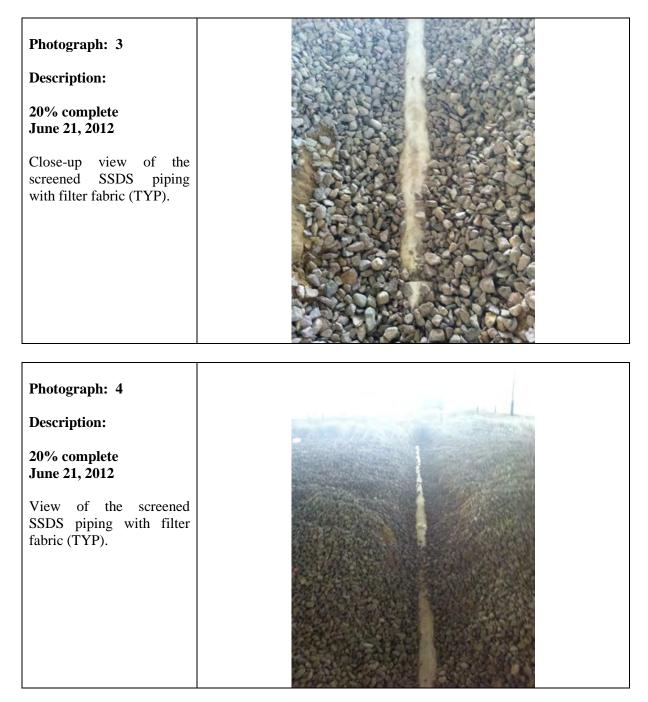


ii









VERTEX Environmental Services, Inc.

VERTEXSM

Photographic Documentation 430 Boston Post Road Wayland, Massachusetts Project No. 19163

Photograph: 5

Description:

20% complete June 21, 2012

The northeastern corner of the future Stop & Shop concrete pad with gravel layer.



Photograph: 6

Description:

20% complete June 21, 2012

View to the north of the six installed segments of screened PVC along the eastern edge of the future Stop & Shop concrete pad and gravel layer.



Photograph: 7

Description:

20% complete June 21, 2012

View to the southwest of the future Stop & Shop concrete pad.



Photograph: 8

Description:

60% complete June 27, 2012

View to the north of the northern half of the SSDS main line solid lines sloped for drainage.

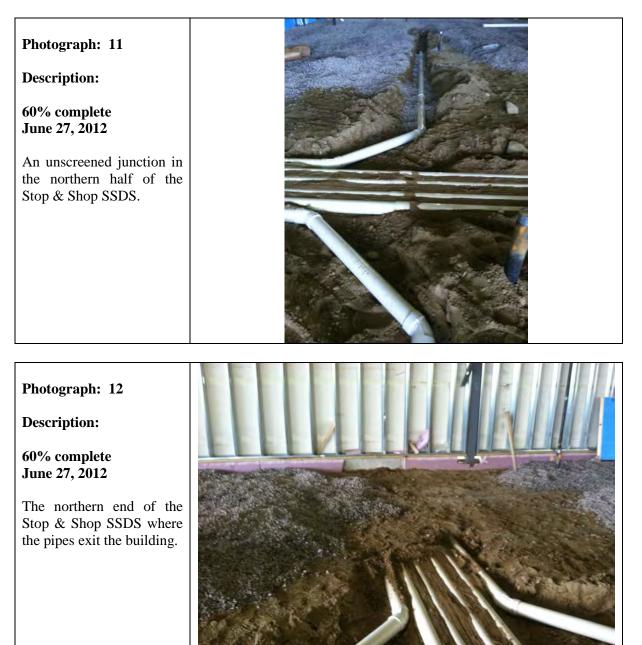




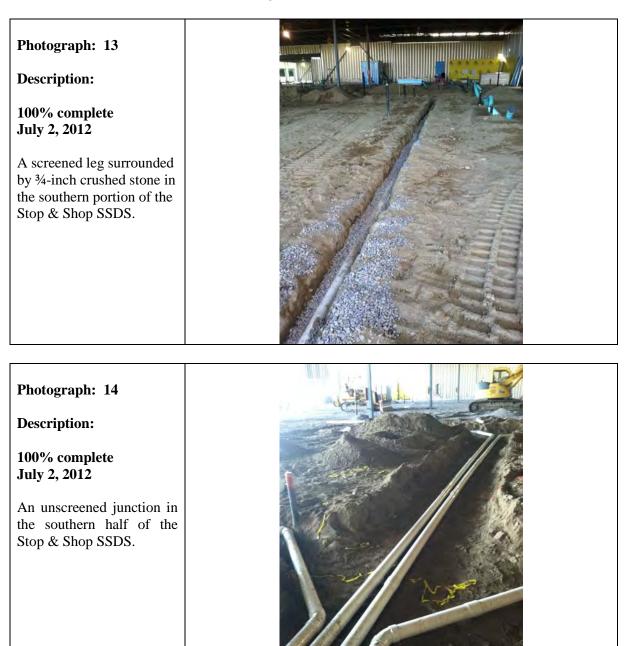


VERTEX Environmental Services, Inc.





VERTEX Environmental Services, Inc.



VERTEXSM

Photographic Documentation 430 Boston Post Road Wayland, Massachusetts Project No. 19163

Photograph: 15

Description:

100% complete July 2, 2012

A screened leg surrounded by ³/₄-inch crushed stone in the southern portion of the Stop & Shop SSDS.



Photograph: 16

Description:

100% complete July 2, 2012

View of the southern portion of the Stop & Shop SSDS.

