Interim Remedial Investigation Data Report
TECT Aerospace Leasehold
Snohomish County Airport/Paine Field
Everett, Washington

December 31, 2019

Prepared for

Snohomish County Airport
Everett, Washington

LANDAU ASSOCIATES

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Quality Reviewer

Date:	December 31, 2019
Project No.:	0222057.010
File path:	P:\222\057 (TECT RI-FS)\R\RI Report
Project Coordinator:	Christopher C. Young

LANDAU ASSOCIATES

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TABLE OF CONTENTS

FIGURES

TABLES

APPENDIX

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LIST OF ABBREVIATIONS AND ACRONYMS

Airport	Snohomish County Airport/Paine Field
ALS	ALS Environmental
bgs	below ground surface
ft	feet
LAI	Landau Associates, Inc.
PCB	polychlorinated biphenyl
PID	photoionization detector
RI	remedial investigation
TOC	total organic carbon
VOCs	volatile organic compounds

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1.0 INTRODUCTION

At the request of Snohomish County Airport, Landau Associates, Inc. (LAI) prepared this report, which presents field and laboratory data collected through December 2019 as part of implementing the September 19, 2018 Remedial Investigation/Feasibility Study Work Plan (LAI 2018) and the August 20, 2019 addendum (Addendum No. 1; LAI 2019) to the above-referenced work plan for the Paine Field TECT Aerospace Leasehold in Everett, Washington. Collectively, these two documents are referred to as the Work Plan in this document. The Work Plan included objectives, approach, and methods for conducting a remedial investigation (RI) of Snohomish County Airport (Airport) property formerly leased to TECT Aerospace and of property referred to as the former East Fuel Farm property. These areas of the Airport, collectively referred to as the Site, are located in the southeastern portion of Sector 5 of the Airport in Everett, Washington (Figure 1). The Site includes existing Buildings C-19, C-20, C-21, C-22, C-23 and the C-23 Annex, as well as former Building C-29 and the former East Fuel Farm (Figure 2).

Field work for implementation of the RI was conducted in two phases referred to as Phase I and Phase II. Implementation of Phase I began in November 2018 and was completed by April 2019. Phase II field work was conducted between August 2019 and September 2019. Additional field activities were conducted at the Site in early December 2019.

Upon completion of the Phase II RI, LAI and Snohomish County concluded that additional data gaps existed with respect to characterizing the nature and extent of contamination at the Site and that further Site characterization would be needed. Due to the volume of data collected, the amount of time that had elapsed since implementing Phase I of the RI, and the uncertainty in the schedule for completing the RI, it was decided that it would be appropriate to summarize data collected to date as part of this interim RI data report. Information provided in this data report will be referenced when implementation of the RI resumes. In addition, information in this interim report will form the basis for a final RI report, complete with data interpretations and conclusions, to be presented at the conclusion of the RI phase of the project.

2.0 SCOPE OF WORK

Five main investigation areas were identified in the Work Plan; these areas are shown on Figure 3and consist of Building C-19; the Building C-20, C-21, C-22 Complex; Building C-23 and the C-23 Annex; Former Building C-29/Former East Fuel Farm; and the Deep Aquifer. All five areas were investigated during the Phase I and Phase II RI. Investigation area Figures 4a, 5a, 6a, 7a, and 9 show exploration locations within each of the five areas and the media (i.e., soil, groundwater, and/or soil gas) sampled at each location during the RI. Note that some RI explorations were located beyond the boundaries of the areas identified on Figure 3 to assist in delineating the extent of contamination detected within the area boundaries.

2.1 Phase I Investigation

The first phase (Phase I) of the field investigation consisted of drilling 55 shallow borings where soil, groundwater, and/or soil gas samples were collected in general accordance with methods described in the Work Plan. Three new, deep aquifer groundwater monitoring wells (RIDW-1 through RIDW-3) and one shallow monitoring well (RIGW-55 within the Building C-19 footprint) were also drilled and installed during the Phase I Investigation. At the beginning of Phase I in early November 2018, 11 existing, shallow monitoring wells were rehabilitated and sampled.

A detailed description of the Phase I RI by investigation area is provided below.

- **Building C-19 (Figure 4a):** A total of 13 soil borings (RISB-01 through RISB-11, RISB-54 and RIGW-55) were drilled in the Building C-19 investigation area. Soil samples were collected from all 13 soil borings, 9 groundwater samples (8 grab samples and one monitoring well sample from RIGW-55), and four soil gas samples were collected from below Building C-19. Three existing monitoring wells (SCPWD-2 through SCPWD-4) were also sampled.
- **Building C-20, C-21, C-22 Complex (Figure 5a):** 19 soil borings (RISB-12 through RISB-28, RISB-49 and RISB-50) were drilled in the C-20, C-21, C-22 Complex investigation area during the Phase I. Soil samples were collected from all of the borings; 16 groundwater grab samples and three soil gas samples were also collected from the area. There were no existing, permanent monitoring wells installed within this area prior to the RI and none were installed during the Phase I RI.
- **Building C-23 and C-23 Annex (Figure 6a):** A total of 15 soil borings (RISB-29 through RISB-40, and RISB-51 through RISB-53) were drilled in the Building C-23 and C-23 Annex area during Phase I of the RI. Soil was sampled from all of the 14 borings; nine groundwater grab samples and three soil gas samples were also collected. There were no existing, permanent monitoring wells installed within this area prior to the RI and none were installed during the Phase I RI.
- **Former C-29/Former East Fuel Farm (Figure 7a):** Eight soil borings (RISB-41 through RISB-48) were drilled in the Former C-29/Former East Fuel Farm area and eight, existing shallow groundwater monitoring wells (MW-1 through MW-4, HMB1, SCPWD-1, C29-MW1 and C-29-MW2) were sampled during the Phase I investigation. Soil and groundwater samples were collected from all of the eight soil borings and one soil gas sample was also collected.

- **Deep Aquifer (Figure 9):** The Phase I Deep Aquifer investigation included sampling three existing deep wells (DW1 through DW3), followed by installation, development and sampling of three, new deep wells (RIDW-1 through RIDW-3). Soil samples were collected during installation of new deep wells.

2.2 Phase II Investigation

The second phase (Phase II) of the field investigation consisted of drilling 13 shallow borings (RISB-56 through RISB-68) where soil and/or groundwater samples were collected according to the Work Plan. One new, deep aquifer groundwater monitoring well (RIDW-4) was also installed during the Phase II investigation. No soil gas samples were collected during Phase II drilling activities.

- **Building C-19 (Figure 4a):** Three soil borings (RISB-56 through RISB-58) were drilled during the Phase II RI in the Building C-19 area. Soil and groundwater were collected from all three boring locations. Shallow groundwater monitoring wells in this area were sampled again during the Phase II RI.
- **Building C-20, C-21, C-22 Complex (Figure 5a):** Two soil borings (RISB-59 and RISB-60) were drilled in the Building C-20, -21, -22 Complex area and soil samples were collected from both locations. A groundwater sample was collected from RISB-60 only.
- **Building C-23 and C-23 Annex (Figure 6a):** Three soil borings (RISB-61 through RISB-63) were drilled in the Building C-23 and C-23 Annex area during the Phase II investigation.
- **Former C-29/Former East Fuel Farm (Figure 7a):** A total of five soil borings were drilled in the Former C-29/Former East Fuel Farm area and soil samples were collected from all locations. Four groundwater grab samples were collected and the eight existing shallow monitoring wells were sampled.
- **Deep Aquifer (Figure 9):** One, additional deep well (RIDW-4) was installed, developed and sampled during the Phase II investigation of the Deep Aquifer area. Soil samples were collected during installation of RIDW-4. A second groundwater monitoring event (water elevation survey and sampling) was conducted during the Phase II RI.

2.3 Additional Soil Gas Investigation

In December 2019, three soil gas samples were collected below the concrete floor (i.e., subslab soil vapor samples) of the southeast corner of the Hangar 1 building located adjacent to the Former C-29/Former East Fuel Farm area. The sampling locations (RISG-100 through RISG-102) are shown on Figure 7h.

3.0 FIELD METHODS

Drilling, soil screening and sampling, groundwater grab sampling, and monitoring well installation, development and sampling were conducted in general accordance with methods described in the Work Plan. However, some minor adjustments were made to accommodate Site conditions such as accessibility of planned drilling locations, tenant activities, and discontinuous and unpredictable shallow groundwater conditions. Soil boring logs and monitoring well installation details are provided in Appendix A.

All soil and groundwater samples were submitted to ALS Environmental (ALS) in Everett, Washington and soil gas samples were submitted to ALS in Simi Valley, California for analysis.

3.1 Drilling and Soil Sampling

As discussed in the Work Plan, multiple drilling technologies were expected to be implemented at the Site. The Phase I RI used both direct-push and rotosonic drilling technologies. Direct-push drilling was used to allow for access inside of buildings where the larger rotosonic machine could not achieve limited clearances. The Phase II RI drilling was conducted using rotosonic technology only, as this was the preferred method due to the very dense nature of the glacial till at the Site and the ability of the machine to recover soil from the borings more easily.

Soil cores were screened for the presence of potential contamination according to the Work Plan during both phases of the RI. In general, soil and groundwater samples were collected from intervals yielding the greatest potential for contamination. Field-screening techniques included visual and olfactory observations, and the potential presence of volatile organic compounds (VOCs) was assessed using a photoionization detector (PID) equipped with the capability of detecting VOCs in the parts per billion range. Screening observations and PID readings are noted on the boring logs (Appendix A).

Soil samples were collected from all of the borings to be analyzed for VOCs and samples collected from selected locations were analyzed for additional parameters such as metals, petroleum hydrocarbons, polychlorinated biphenyls (PCBs), total organic carbon (TOC) and/or total grain size.

3.2 Monitoring Well Installation and Groundwater Sampling

Monitoring wells installed as part of the Deep Aquifer investigation area were completed using rotosonic drilling methods in accordance with the Work Plan. One shallow aquifer well (RIGW-55) was installed using a small-diameter casing and protective monument to help minimize the footprint left behind inside Building C-19. Well construction details for the five wells installed during both phases of the RI are included on the boring logs (Appendix A).

In general, low flow groundwater sampling methods were used. Sampling and laboratory analysis were conducted in accordance with the Work Plan. Water levels were highly variable across the Site throughout both phases of the investigation. During the Phase I RI, shallow groundwater in temporary

soil borings varied between 2 and 24 feet (ft) below ground surface (bgs) and between 11 and 24 ft bgs during the Phase II investigation.

All of the groundwater samples were analyzed for VOCs and samples collected from selected locations had additional volume submitted to ALS analyzed for metals, petroleum hydrocarbons, PCBs, TOC, dissolved gases (ethane, ethane, and acetylene), nitrate and sulfate.

3.3 Soil Gas Probe Methods

As mentioned in Section 2.0, soil gas samples were collected during the Phase I RI, but not during Phase II. A focused soil gas sampling event was also conducted at the Site in early December 2019 at Hangar 1. Per the Work Plan, soil gas sample probes were installed as implants or as sub-slab vapor pins. Indoor soil gas probes, including those at RISG-100, RISG-101, and RISG-102, were constructed using stainless steel vapor pins and installed just below the concrete slabs between 0.7 and 0.9 ft bgs. Outdoor soil gas probes were installed to depths ranging from 2.5 ft to 4.5 ft bgs, and constructed using a stainless steel screen with Teflon® tubing, a sand pack, and a concrete surface seal. Soil gas probe installation details are provided in Appendix A except for the vapor pin probes.

4.0 RESULTS

The results of the Phase I and II RI are summarized in Figures 4a through 12 and in Tables 1 through 11 as follows:

- Figures 4a through 4h (Building C-19)
- Figures 5a through 5h (Building C-20, C-21, C-22 Complex)
- Figures 6a through 6h (Building C-23 and C-23 Annex)
- Figures 7a through 7h (Former Building C-29/Fuel Farm)
- Figure 8 (Sitewide trichloroethene concentrations in shallow groundwater)
- Figure 10 (Sitewide deep aquifer groundwater elevation contours)
- Figure 11 (Sitewide deep aquifer VOC concentrations in groundwater)
- Figure 12 (Sitewide deep aquifer 1,1,1-trichloroethane and 1,4-dioxane concentrations in groundwater)
- Tables 1 and 2 (Building C-19 soil and groundwater analytical results)
- Tables 3 and 4 (Building C-20, C-21, C-22 Complex soil and groundwater analytical results)
- Tables 5 and 6 (Building C-23 and C-23 Annex soil and groundwater analytical results)
- Tables 7 and 8 (Former Building C-29/Former Fuel Farm soil and groundwater analytical results)
- Tables 9 and 10 (Deep Aquifer soil and groundwater analytical results)
- Table 11 (Sitewide soil gas analytical results).

Soil boring logs and well completion diagrams for the Phase I and II RI soil borings and monitoring wells are presented in Appendix A. Laboratory reports for data presented in this report will be maintained in LAI's project files.

Soil, groundwater, and soil gas sampling locations from investigations conducted prior to the RI are also shown on the area-specific figures listed above along with locations of previously installed groundwater monitoring wells. Pre-RI soil, groundwater, and soil gas data were previously reported in figures and tables in the Work Plan.

5.0 REMAINING DATA GAPS

Several data gaps with respect to characterizing the nature and extent of contamination at the Site were identified at the conclusion of the Phase II RI. These data gaps are summarized below:

- The extent of VOC contamination in shallow groundwater and soil in the area to the west and south of Former Building C-27 has not been delineated.
- The extent of VOC contamination in shallow groundwater and soil in the area to the east of Building C-19 has not been delineated.
- The extent of VOC contamination in shallow groundwater in the area to the northeast of the Former Fuel Farm has not been fully delineated.
- Potential impacts to indoor air from VOC-contaminated soil, groundwater, and soil gas located beneath Building C-19 and Hangar 1 have not been investigated.
- Seasonal variations in VOC concentrations were noted in deep aquifer groundwater, in particular at well DW2. Additional characterization of these seasonal variations in VOC concentrations (including 1,1,1-trichloroethane and 1,4-dioxane) is needed as well as additional delineation of the extent of VOCs in deep aquifer groundwater at the north end of the Site.

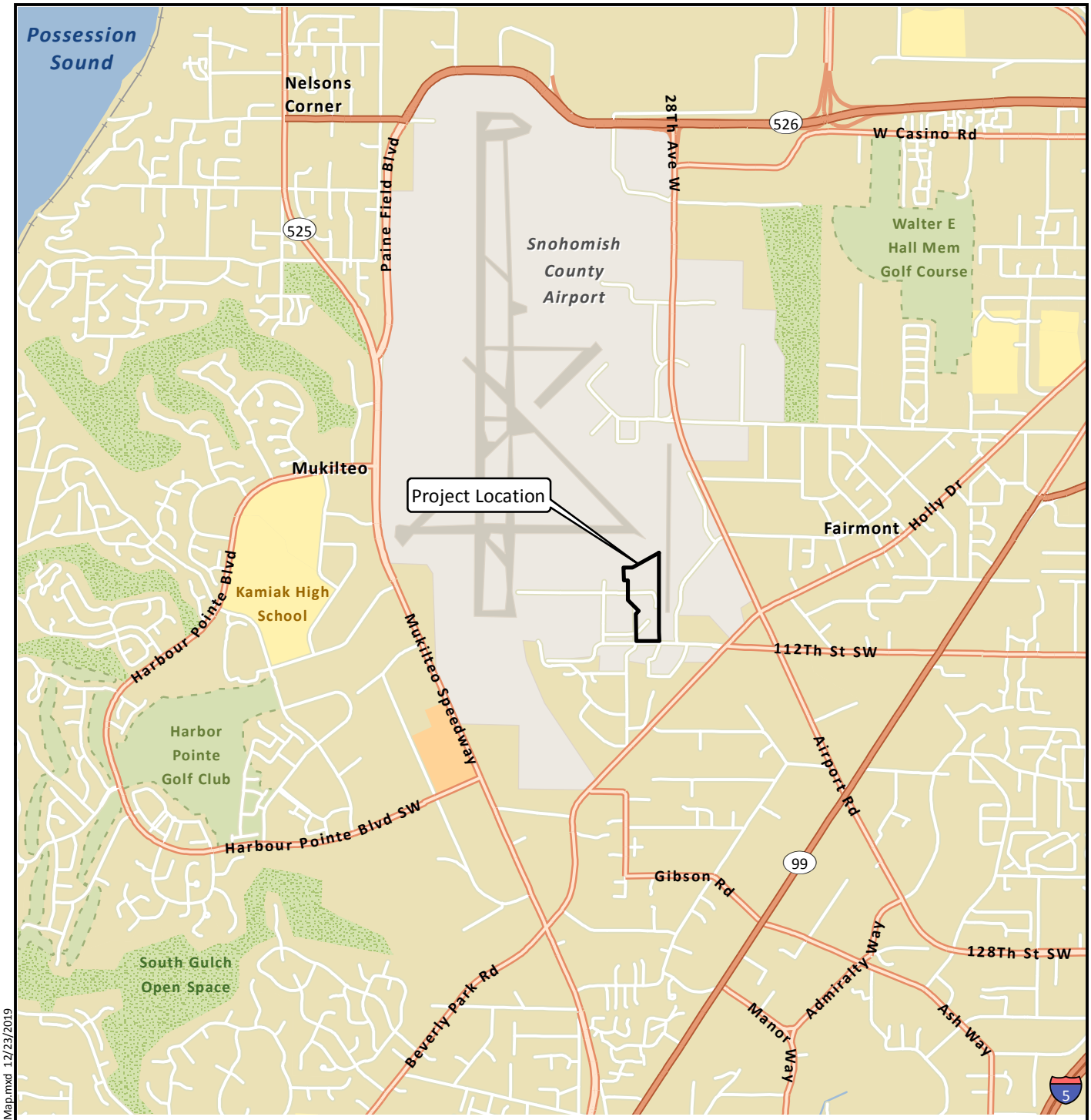
6.0 USE OF THIS REPORT

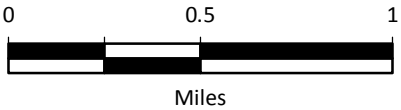
This report has been prepared on behalf of the Snohomish County Airport (Paine Field) for specific application to the TECT Aerospace Leasehold Site remedial investigation. No other party is entitled to rely on the information, conclusions, and recommendations included in this document without the express written consent of LAI. Further, the reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and authorization by LAI, shall be at the user's sole risk. LAI warrants that within the limitations of scope, schedule, and budget, these services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. LAI makes no other warranty, either express or implied.

7.0 REFERENCES

LAI. 2018. Remedial Investigation/Feasibility Study Work Plan, Paine Field TECT Aerospace Leasehold, Everett, Washington. Landau Associates, Inc. September 19.

LAI. 2019. Technical Memorandum: Addendum No. 1 - Phase II Remedial Investigation/Feasibility Study Work Plan, TECT Aerospace Leasehold Site, Snohomish County Airport/Paine Field, Everett, Washington. Landau Associates, Inc. August 20.





Data Source: Esri 2012

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TECT Aerospace Leasehold Everett, Washington	**Vicinity Map**	Figure 1

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Legend

Approximate Site Boundary

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

0 150 300

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Esri World Imagery.

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TECT Aerospace Leasehold Everett, Washington	**Site Plan**	Figure 2

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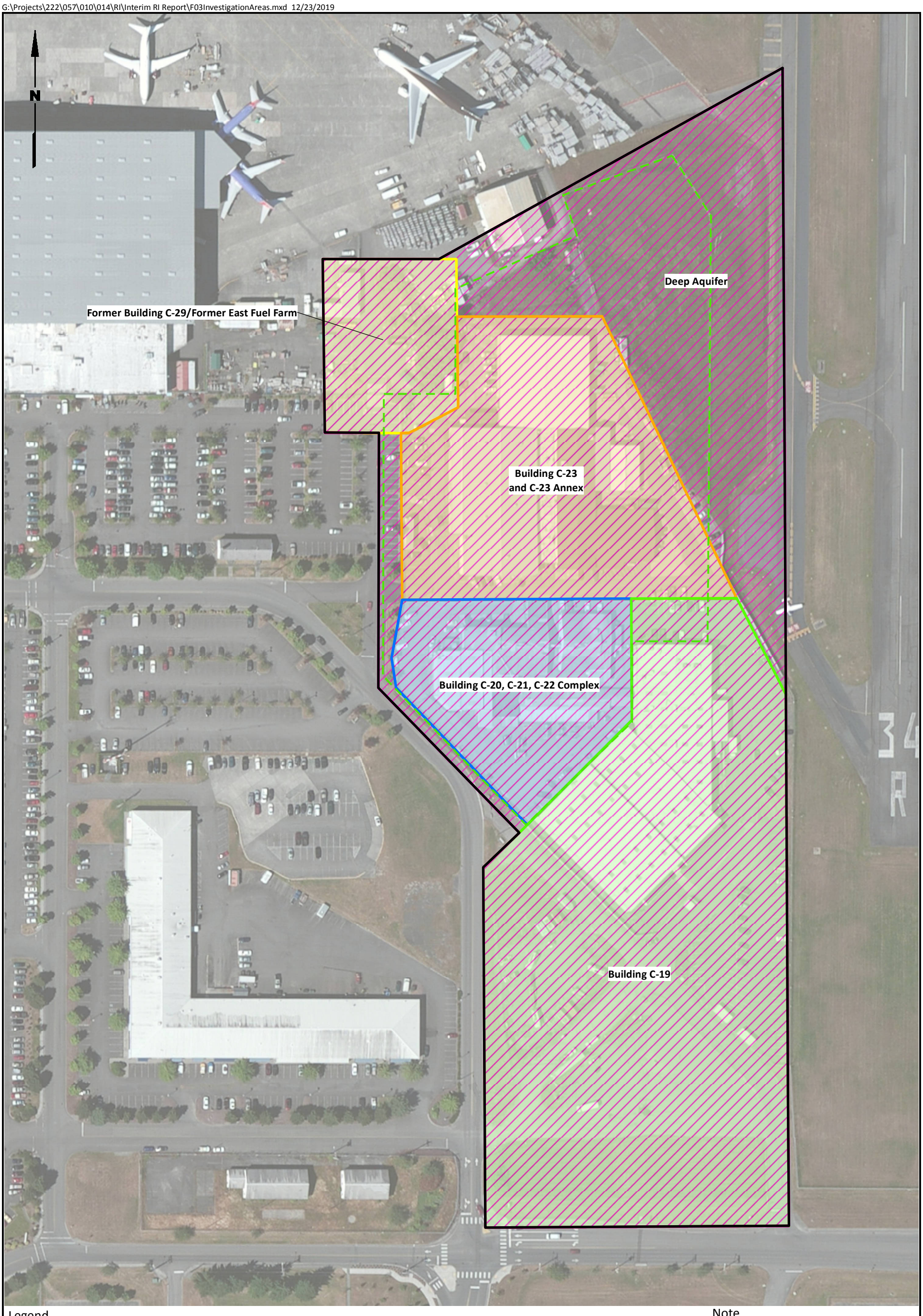

Legend

Approximate Site Boundary

TECT Lease Area

Investigation Areas

Deep Aquifer

Building C-19

Building C-20, C-21, C-22 Complex

Building C-23 and C-23 Annex

Former Building C-29/ Former East Fuel Farm

0 125 250

Scale in Feet

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Esri World Imagery.

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TECT Aerospace Leasehold Everett, Washington	**Investigation Areas**	Figure 3

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N

LAI-05
RISB-59
RISB-60
DW3
RISB-15
RISB-14
RISB-16
RIDW-3
LAI-08
LAI-21
RISB-12
LAI-12
LAI-22
RISB-17
C-21
LAI-19
RISB-27
LAI-18
RISB-28
LAI-24
C-22
RISB-49
RISB-26
RISB-13
LAI-20
LAI-10
LAI-27
LAI-09
RISB-18
LAI-17
LAI-11
RISB-50
RISB-24
RISB-25
RISB-19
LAI-25
C-20
RISB-21
RISB-23
LAI-26
RISB-20
RISB-22
RISB-07
C-19
Excavation Area 4
Excavation Area 5
RISB-58
RISB-06
Excavation Area 1
Excavation Area 3
RISB-05
RISB-57
Excavation Area 6
Excavation Area 2
RISB-04
RISB-11
RISB-03
RIDW-2
GP2
GP1
RISB-54
RIGW-55
Former Degreaser Pit and Sump
C19-TP2
GP17
GP13
GP20
SCPWD-2
RISB-08
RISB-56
SCPWD-4
See Inset Below
DW1
SCPWD-3
GP15
GP3
GP12
GP19
GP4
GP18
RISB-02
GP5
RISB-09
RISB-10
GP14
RISB-01
GP16
GP11
GP6
GP7
GP10
RIDW-1
GP8
GP9

0 4 8
Scale in Feet
Former Degreaser Pit
SU2-NE-0.8
SU-NW-0.5
SU-NE-1.0
SU2-NW-0.8
C19-TP1
SU-NW-1.0
SU-FL-0.5
SU2-NE-W
SU-NE-0.4
SU-FL-W
SU-FL-1.0
SU2-FL-0.8
Former Sump Pump Area
SU-SW-1.0
SU-SE-0.5
SW-1.0-W
SU-SE-1.1
SU-SW-0.5
Building C-19 Wall

Legend

RI Sampling Location
- RI Soil Sampling Location
- RI Soil and Groundwater Sampling Location
- RI Soil and Soil Gas Sampling Location
- RI Soil, Soil Gas, and Groundwater Sampling Location
- RI Monitoring Well Location

Pre-RI Sampling Location
- Soil Boring Location
- Indoor Air Sampling Location
- Monitoring Well Location (Sampled During RI)
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

- Building C-19 Investigation Area
- Previous Remedial Action Areas

Note
1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 70 140
Scale in Feet

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Everett, Washington

Building C-19
RI Exploration Locations

Figure
4a

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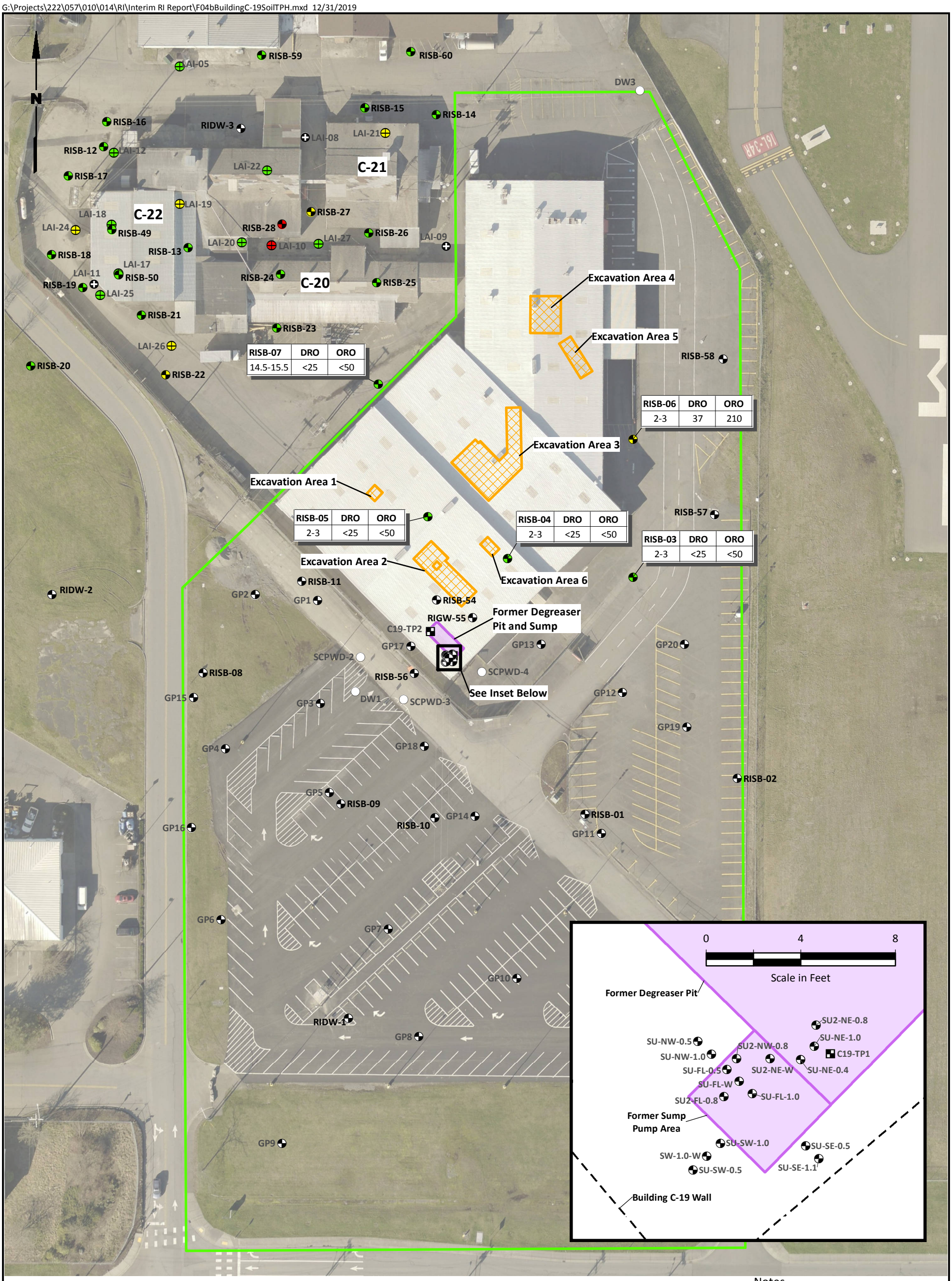

Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Analysis was not Conducted at this Location

Sampling Locations

- Ambient Air Sampling Location
- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

- Building C-19 Investigation Area
- **RISB-44** = RI Location
- **C29-MW2** = Pre-RI Location

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 70 140

Scale in Feet

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Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	DRO (mg/kg)	ORO (mg/kg)
Sample Depth (ft)	2,000	2,000

TECT Aerospace Leasehold
Everett, Washington

Building C-19
TPH in Soil

Figure
4b

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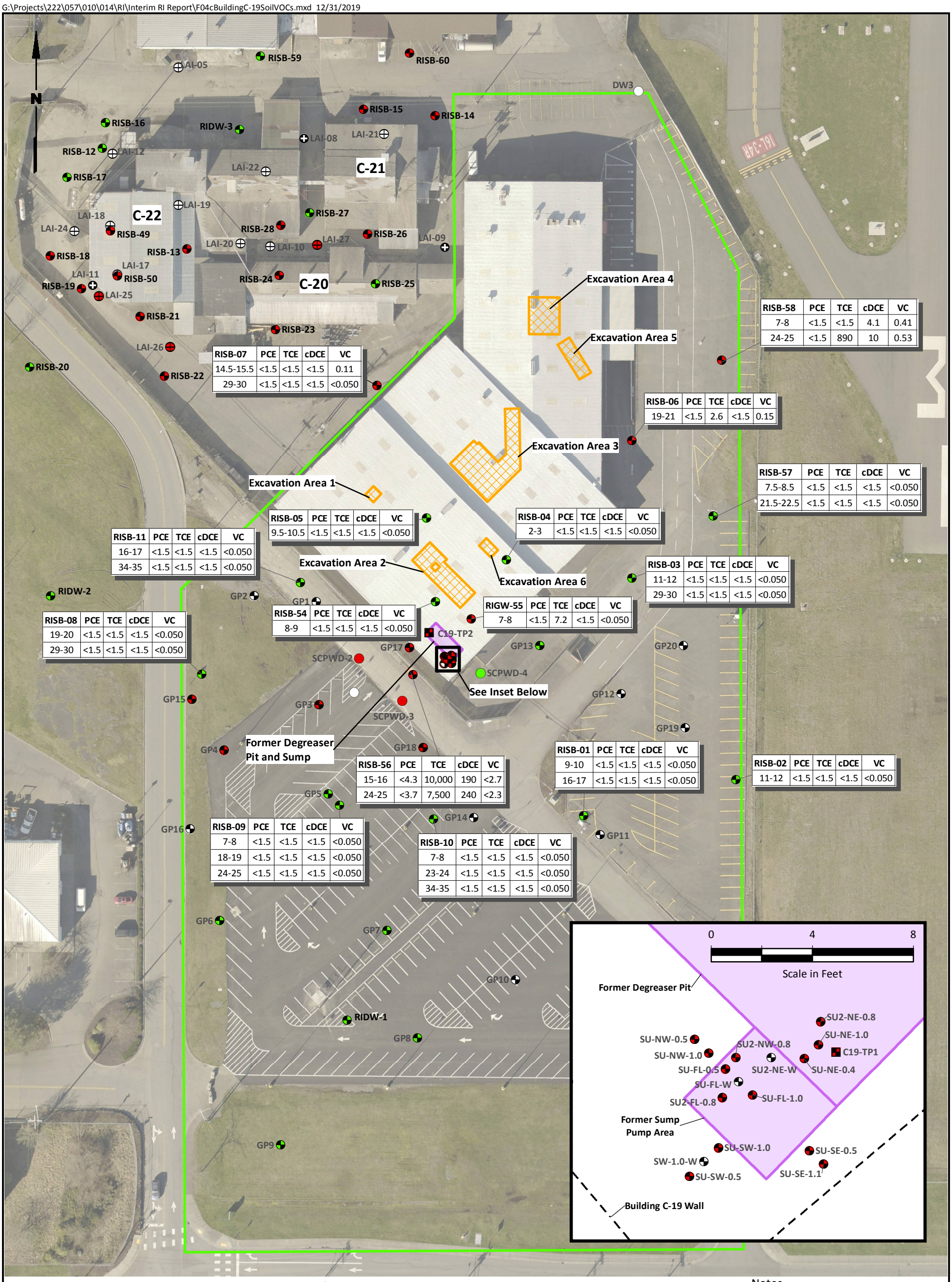

RISB-07	PCE	TCE	cDCE	VC
14.5-15.5	<1.5	<1.5	<1.5	0.11
29-30	<1.5	<1.5	<1.5	<0.050

RISB-58	PCE	TCE	cDCE	VC
7-8	<1.5	<1.5	4.1	0.41
24-25	<1.5	890	10	0.53

RISB-06	PCE	TCE	cDCE	VC
19-21	<1.5	2.6	<1.5	0.15

RISB-57	PCE	TCE	cDCE	VC
7.5-8.5	<1.5	<1.5	<1.5	<0.050
21.5-22.5	<1.5	<1.5	<1.5	<0.050

RISB-05	PCE	TCE	cDCE	VC
9.5-10.5	<1.5	<1.5	<1.5	<0.050

RISB-04	PCE	TCE	cDCE	VC
2-3	<1.5	<1.5	<1.5	<0.050

RISB-11	PCE	TCE	cDCE	VC
16-17	<1.5	<1.5	<1.5	<0.050
34-35	<1.5	<1.5	<1.5	<0.050

RISB-03	PCE	TCE	cDCE	VC
11-12	<1.5	<1.5	<1.5	<0.050
29-30	<1.5	<1.5	<1.5	<0.050

RISB-54	PCE	TCE	cDCE	VC
8-9	<1.5	<1.5	<1.5	<0.050

RIGW-55	PCE	TCE	cDCE	VC
7-8	<1.5	7.2	<1.5	<0.050

RISB-08	PCE	TCE	cDCE	VC
19-20	<1.5	<1.5	<1.5	<0.050
29-30	<1.5	<1.5	<1.5	<0.050

RISB-01	PCE	TCE	cDCE	VC
9-10	<1.5	<1.5	<1.5	<0.050
16-17	<1.5	<1.5	<1.5	<0.050

RISB-02	PCE	TCE	cDCE	VC
11-12	<1.5	<1.5	<1.5	<0.050

RISB-56	PCE	TCE	cDCE	VC
15-16	<4.3	10,000	190	<2.7
24-25	<3.7	7,500	240	<2.3

RISB-09	PCE	TCE	cDCE	VC
7-8	<1.5	<1.5	<1.5	<0.050
18-19	<1.5	<1.5	<1.5	<0.050
24-25	<1.5	<1.5	<1.5	<0.050

RISB-10	PCE	TCE	cDCE	VC
7-8	<1.5	<1.5	<1.5	<0.050
23-24	<1.5	<1.5	<1.5	<0.050
34-35	<1.5	<1.5	<1.5	<0.050

Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Analysis was not Conducted at this Location

Sampling Locations

- Ambient Air Sampling Location
- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

- Building C-19 Investigation Area
- **RISB-44** = RI Location
- **C29-MW2** = Pre-RI Location

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 70 140
Scale in Feet

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	PCE (µg/kg)	TCE (µg/kg)	cDCE (µg/kg)	VC (µg/kg)
Sample Depth (ft)	2.76	0.206	5.15	0.0089

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Everett, Washington

Building C-19
VOCs in Soil

Figure
4c

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N

LAI-05 RISB-59 RISB-60 DW3 RISB-15 RISB-14 RISB-16 RIDW-3 LAI-08 LAI-21 RISB-12 LAI-12 LAI-22 C-21 RISB-17 LAI-19 RISB-27 LAI-18 C-22 LAI-24 RISB-49 RISB-28 RISB-26 LAI-09 LAI-20 LAI-10 LAI-27 RISB-18 RISB-13 LAI-17 LAI-11 RISB-50 RISB-24 C-20 RISB-25 RISB-19 LAI-25 RISB-21 RISB-23 LAI-26 RISB-20 RISB-22 RISB-07 RISB-58

Excavation Area 4

Excavation Area 5

RISB-06	Arsenic	Total Chromium
2-3	3.9	34

Excavation Area 3

Excavation Area 1

RISB-05	Arsenic	Total Chromium
2-3	3.6	30

RISB-04	Arsenic	Total Chromium
2-3	3.9	33

RISB-57

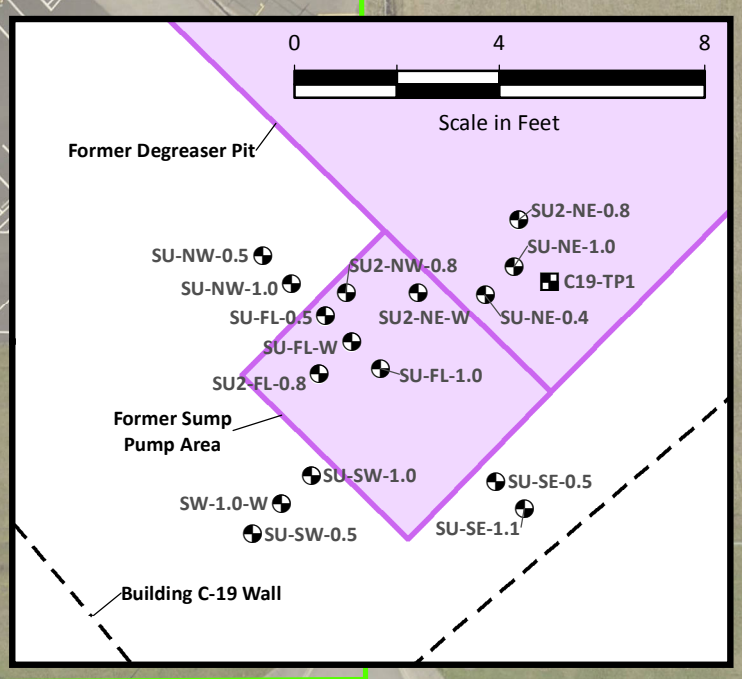
RISB-11	Arsenic	Total Chromium
2-3	3.5	30

Excavation Area 2

Excavation Area 6

RISB-03	Arsenic	Total Chromium
2-3	4.0	36

RIDW-2 GP2 GP1 RISB-54 RIGW-55 Former Degreaser Pit and Sump C19-TP2 GP17 GP13 GP20 SCPWD-2 RISB-08 RISB-56 SCPWD-4 DW-2 See Inset Below GP15 GP3 SCPWD-3 GP12 GP19 GP4 GP18 RISB-02 GP5 RISB-09 GP14 RISB-01 GP16 RISB-10 GP11 GP6 GP7 GP10 RIDW-1 GP8 GP9



Legend

Color Coding Key

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Sampling Locations

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- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

- Building C-19 Investigation Area
- **RISB-44** = RI Location
- **C29-MW2** = Pre-RI Location

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 70 140
Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-19
Metals in Soil

Figure
4d

Notes
1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	Arsenic (mg/kg)	Total Chromium (mg/kg)
Sample Depth (ft)	7	42

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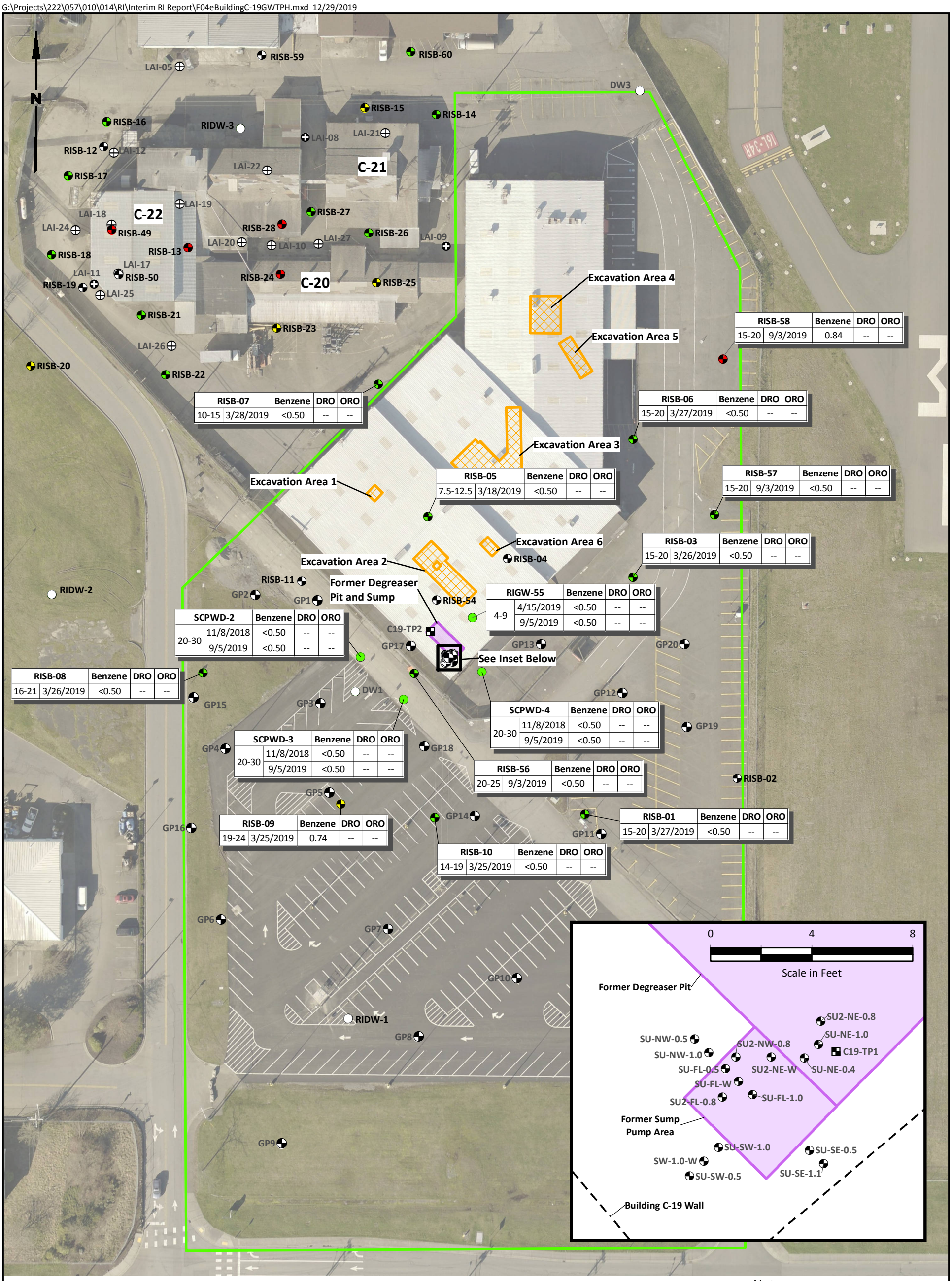

RISB-58		Benzene	DRO	ORO
15-20	9/3/2019	0.84	--	--

RISB-07		Benzene	DRO	ORO
10-15	3/28/2019	<0.50	--	--

RISB-06		Benzene	DRO	ORO
15-20	3/27/2019	<0.50	--	--

RISB-05		Benzene	DRO	ORO
7.5-12.5	3/18/2019	<0.50	--	--

RISB-57		Benzene	DRO	ORO
15-20	9/3/2019	<0.50	--	--

RISB-03		Benzene	DRO	ORO
15-20	3/26/2019	<0.50	--	--

RIGW-55		Benzene	DRO	ORO
4-9	4/15/2019	<0.50	--	--
	9/5/2019	<0.50	--	--

SCPWD-2		Benzene	DRO	ORO
20-30	11/8/2018	<0.50	--	--
	9/5/2019	<0.50	--	--

RISB-08		Benzene	DRO	ORO
16-21	3/26/2019	<0.50	--	--

SCPWD-4		Benzene	DRO	ORO
20-30	11/8/2018	<0.50	--	--
	9/5/2019	<0.50	--	--

SCPWD-3		Benzene	DRO	ORO
20-30	11/8/2018	<0.50	--	--
	9/5/2019	<0.50	--	--

RISB-56		Benzene	DRO	ORO
20-25	9/3/2019	<0.50	--	--

RISB-09		Benzene	DRO	ORO
19-24	3/25/2019	0.74	--	--

RISB-01		Benzene	DRO	ORO
15-20	3/27/2019	<0.50	--	--

RISB-10		Benzene	DRO	ORO
14-19	3/25/2019	<0.50	--	--

Legend

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Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		Benzene	DRO	ORO
Screen	Date	(µg/L)	(µg/L)	(µg/L)
Depth (ft)		0.795	500	500

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 70 140
Scale in Feet

LANDAU ASSOCIATES

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Everett, Washington

Building C-19
TPH and Benzene in Groundwater

Figure
4e

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N

RISB-59 RISB-60 LAI-05 DW3 RISB-15 RISB-14 RISB-16 RIDW-3 LAI-08 LAI-21 RISB-12 LAI-12 C-21 LAI-22 RISB-17 LAI-19 LAI-18 C-22 RISB-27 LAI-24 RISB-28 RISB-49 RISB-26 LAI-09 LAI-20 LAI-10 LAI-27 RISB-13 RISB-18 LAI-17 LAI-11 RISB-50 RISB-24 C-20 RISB-25 RISB-19 LAI-25 RISB-21 RISB-23 LAI-26 RISB-20 RISB-22 Excavation Area 4 Excavation Area 5 Excavation Area 3 Excavation Area 1 Excavation Area 6 Excavation Area 2 RISB-04 RISB-11 RIDW-2 GP2 GP1 Former Degreaser Pit and Sump RISB-54 C19-TP2 GP17 GP13 GP20 See Inset Below GP15 DW1 GP3 GP12 GP19 GP4 GP18 RISB-02 GP5 GP14 GP16 GP11 GP6 GP7 GP10 RIDW-1 GP8 GP9

RISB-07		PCE	TCE	cDCE	VC
10-15	3/28/2019	<2.0	110	23	0.46

RISB-58		PCE	TCE	cDCE	VC
15-20	9/3/2019	<2.0	890	340	37

RISB-06		PCE	TCE	cDCE	VC
15-20	3/27/2019	<2.0	94	31	1.2

RISB-57		PCE	TCE	cDCE	VC
15-20	9/3/2019	<2.0	1.9	5.8	0.15

RISB-05		PCE	TCE	cDCE	VC
7.5-12.5	3/18/2019	<2.0	<0.50	<2.0	<0.020

RISB-03		PCE	TCE	cDCE	VC
15-20	3/26/2019	<2.0	1.2	5.9	0.67

RIGW-55		PCE	TCE	cDCE	VC
4-9	4/15/2019	<2.0	59	5	<0.020
	9/5/2019	<2.0	61	3.9	<0.020

SCPWD-2		PCE	TCE	cDCE	VC
20-30	11/8/2018	<2.0	940	110	0.73
	9/5/2019	<2.0	520	44	0.16

SCPWD-4		PCE	TCE	cDCE	VC
20-30	11/8/2018	<2.0	670	60	8.1
	9/5/2019	<2.0	990	54	1.4

RISB-56		PCE	TCE	cDCE	VC
20-25	9/3/2019	<2.0	4,800	590	8

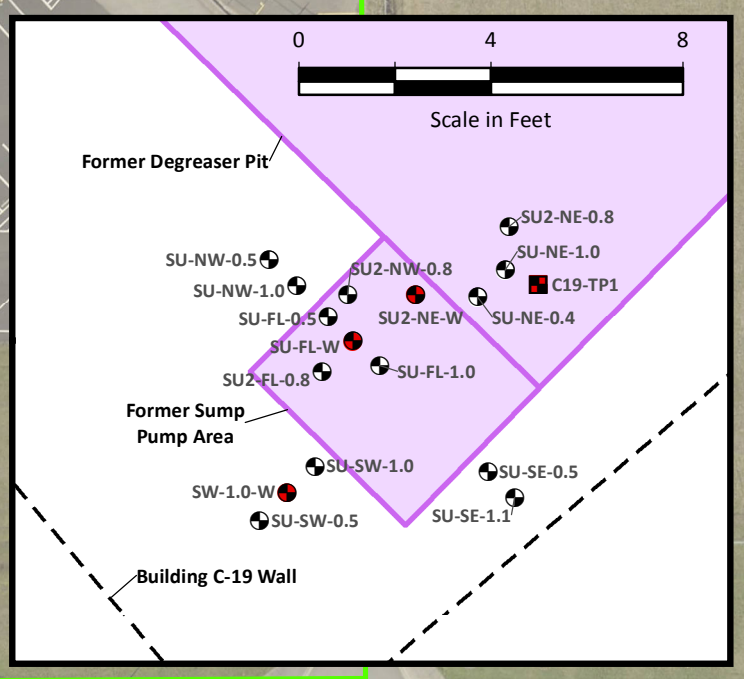
RISB-08		PCE	TCE	cDCE	VC
16-21	3/26/2019	<2.0	<0.50	<2.0	<0.020

SCPWD-3		PCE	TCE	cDCE	VC
20-30	11/8/2018	<2.0	14,000	840	9.1
	9/5/2019	<2.0	18,000	1,000	11

RISB-09		PCE	TCE	cDCE	VC
19-24	3/25/2019	<2.0	5.4	<2.0	<0.020

RISB-01		PCE	TCE	cDCE	VC
15-20	3/27/2019	<2.0	1.3	<2.0	<0.020

RISB-10		PCE	TCE	cDCE	VC
14-19	3/25/2019	<2.0	<0.50	<2.0	<0.020



Legend

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Building C-19 Investigation Area

RISB-44 = RI Location

C29-MW2 = Pre-RI Location

Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	VC (µg/L)
Screen Depth (ft)	Date	5	0.54	16	0.029

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 70 140

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-19
VOCs in Groundwater

Figure
4f

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N

LAI-05 RISB-59 RISB-60 DW3 RISB-15 RISB-14 RISB-16 RIDW-3 LAI-08 LAI-21 RISB-12 LAI-12 LAI-22 C-21 RISB-17 LAI-19 RISB-27 LAI-18 C-22 LAI-24 RISB-28 RISB-49 LAI-20 LAI-10 LAI-27 RISB-26 LAI-09 RISB-18 RISB-13 LAI-17 LAI-11 RISB-50 RISB-24 C-20 RISB-25 RISB-19 LAI-25 RISB-21 RISB-23 LAI-26 RISB-20 RISB-22 RISB-58

Excavation Area 4

Excavation Area 5

RISB-07		Arsenic	Total Chromium
10-15	3/28/2019	<1.0	<2.0

RISB-06		Arsenic	Total Chromium
15-20	3/27/2019	1.8	2.5

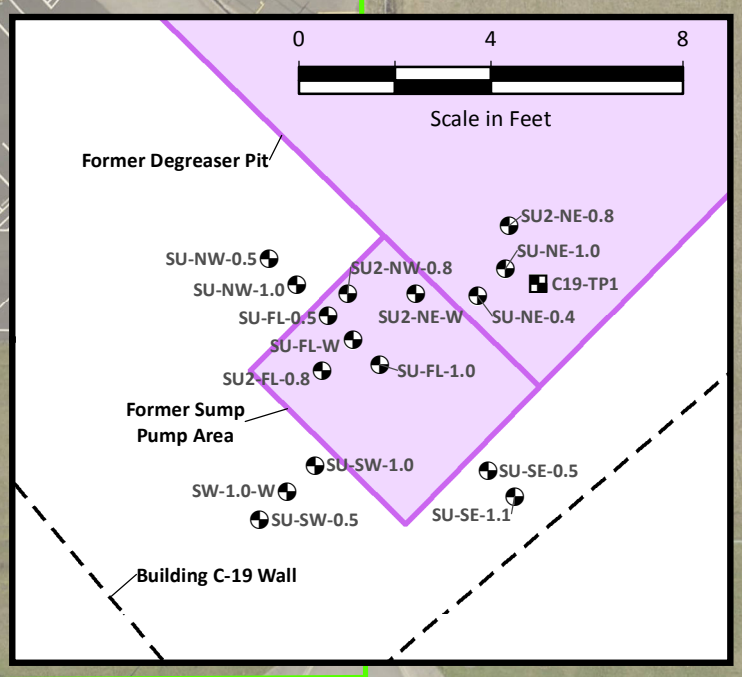
Excavation Area 3

Excavation Area 1

RISB-05		Arsenic	Total Chromium
7.5-12.5	3/18/2019	1.8	2.5

Excavation Area 6

RISB-04 RISB-57 RISB-03 RIDW-2 GP2 GP1 Excavation Area 2 RISB-11 Former Degreaser Pit and Sump RISB-54 RIGW-55 C19-TP2 GP17 GP13 GP20 SCPWD-2 RISB-08 RISB-56 SCPWD-4 See Inset Below DW1 GP15 GP3 SCPWD-3 GP12 GP19 GP4 GP18 RISB-02 GP5 RISB-09 RISB-10 GP14 RISB-01 GP16 GP11 GP6 GP7 GP10 RIDW-1 GP8 GP9



Legend

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		Arsenic	Total Chromium
Screen	Date	(µg/L)	(µg/L)
Depth (ft)		5	100

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 70 140

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-19
Metals in Groundwater

Figure
4g

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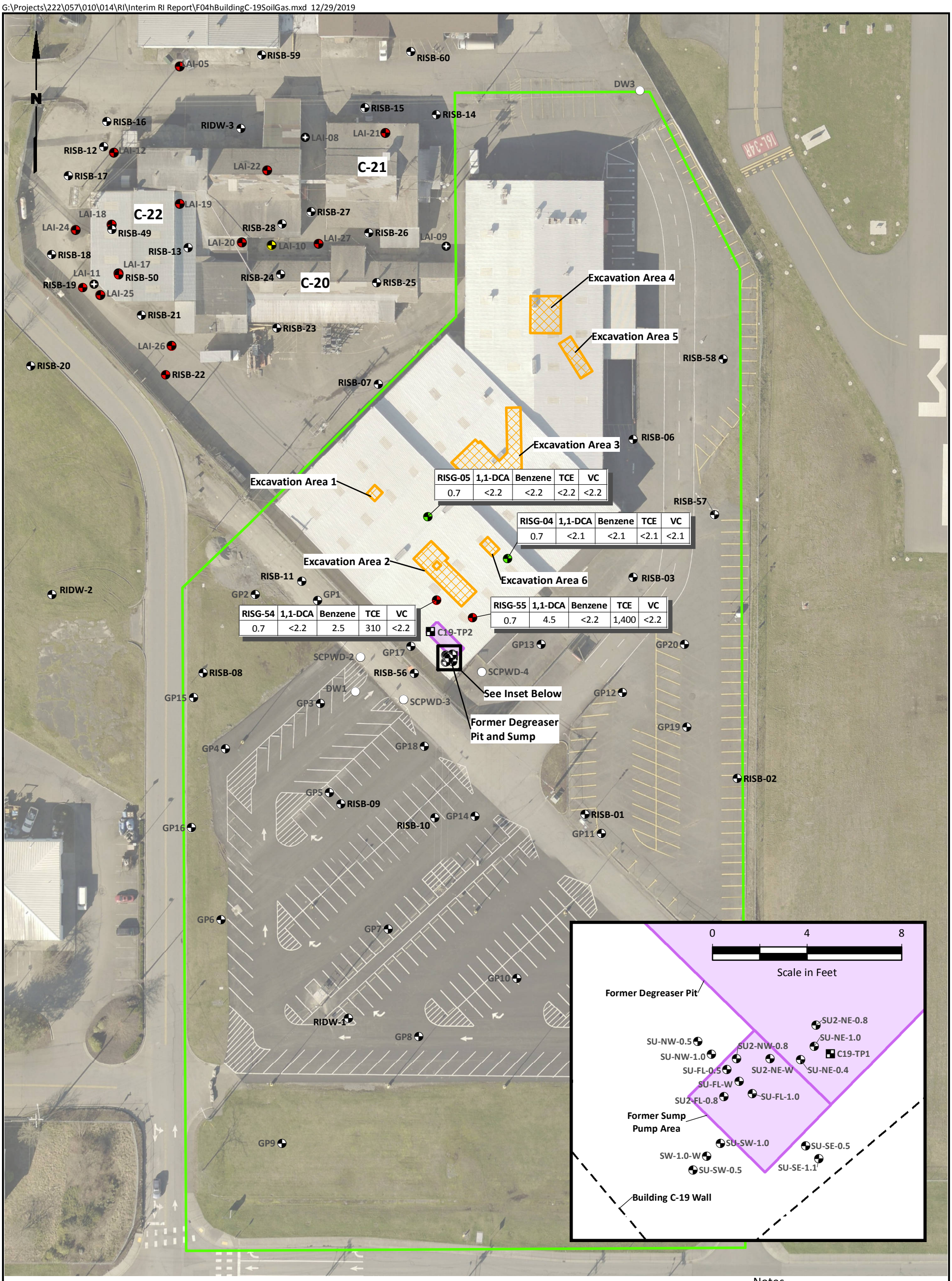

Legend

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Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 70 140
Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-19
Soil Gas

Figure
4h

Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	1,1-DCA	Benzene	TCE	VC
	µg/m3	µg/m3	µg/m3	µg/m3
Sample Depth (ft)	52.1	10.7	12.3	9.33

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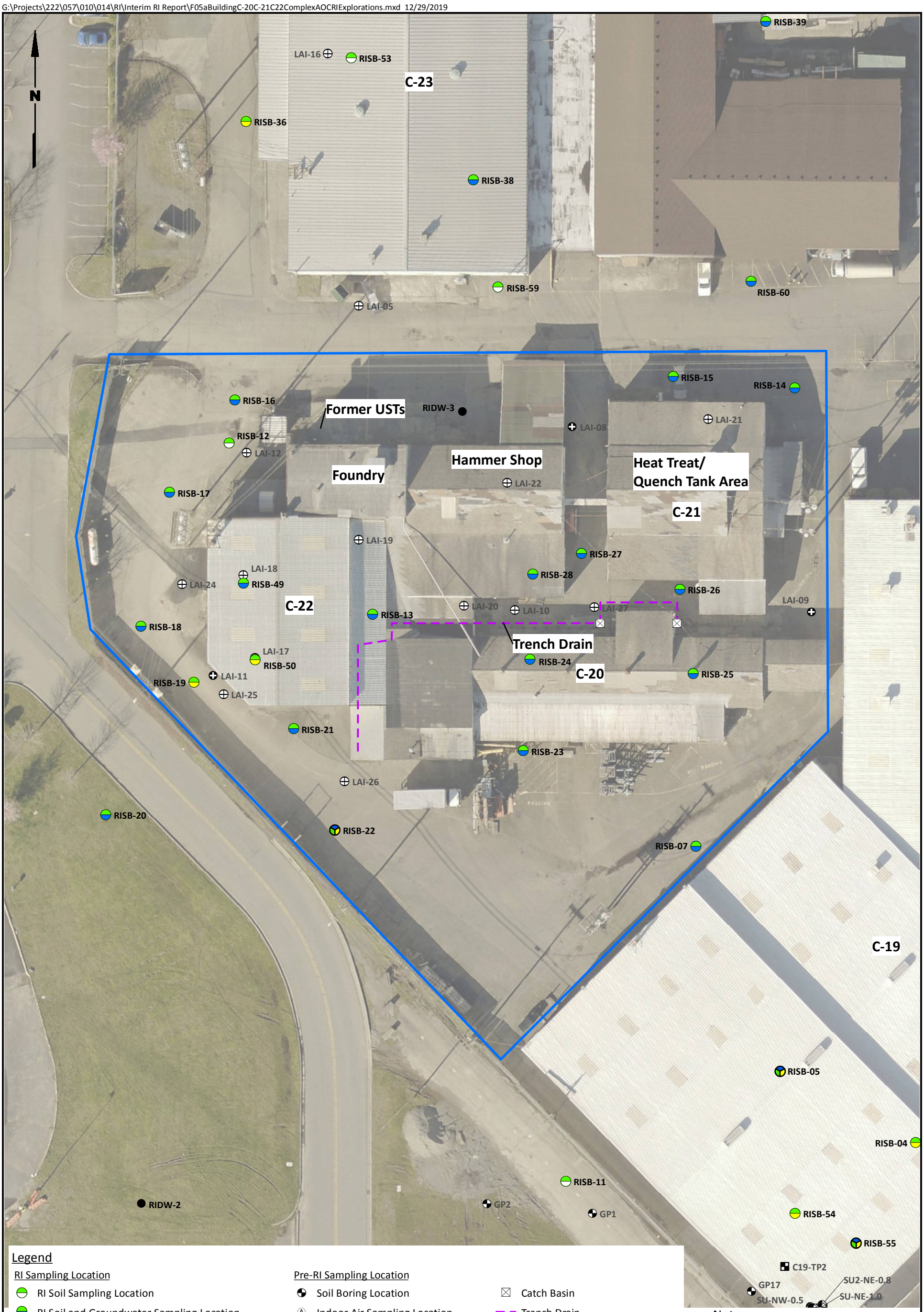

Legend

RI Sampling Location

- RI Soil Sampling Location
- RI Soil and Groundwater Sampling Location
- RI Soil and Soil Gas Sampling Location
- RI Soil, Soil Gas, and Groundwater Sampling Location
- RI Monitoring Well Location

Pre-RI Sampling Location

- Soil Boring Location
- Indoor Air Sampling Location
- Monitoring Well (Sampled During RI)
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit
- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex Investigation Area

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

Note

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0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-20, C-21, C-22 Complex RI Exploration Locations

Figure 5a

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N

C-23

C-22

C-21

C-20

C-19

Former USTs

Foundry

Hammer Shop

Heat Treat/
Quench Tank Area

Trench Drain

RISB-39

LAI-16

RISB-53

RISB-36

RISB-38

RISB-59	Benzene	GRO	DRO	ORO
12.5-13.5	<1.5	<3.0	<25	<50
19-20	<1.5	<3.0	<25	<50

RISB-60	Benzene	GRO	DRO	ORO
6.5-7.5	<1.5	<3.0	<25	<50
24-25	<1.5	--	--	--

LAI-05

RISB-16	Benzene	GRO	DRO	ORO
4-5	<1.5	--	--	--
19-20	<1.5	--	--	--

RISB-15	Benzene	GRO	DRO	ORO
9-10	<1.5	--	--	--
13-14	--	--	<25	<50
17-18	<1.5	--	--	--
34-35	<1.5	--	--	--

RISB-12	Benzene	GRO	DRO	ORO
10-10.5	--	--	<25	<50
19-20	<1.5	--	--	--
24-25	<1.5	--	--	--
41.5-42.5	<1.5	--	--	--

RIDW-3

LAI-08

LAI-21

RISB-14	Benzene	GRO	DRO	ORO
9-10	<1.5	--	--	--
19-20	<1.5	--	--	--
44-45	<1.5	--	--	--

LAI-12

RISB-17	Benzene	GRO	DRO	ORO
18-19	<1.5	--	--	--
34-35	<1.5	--	--	--
44-45	<1.5	--	--	--

LAI-22

RISB-27	Benzene	GRO	DRO	ORO
2-3	--	--	<25	100
39-40	<1.5	--	--	--
44-45	<1.5	--	--	--

RISB-49	Benzene	GRO	DRO	ORO
6-7	<1.5	--	<25	<50
24-25	<1.5	--	<25	<50

LAI-19

RISB-28	Benzene	GRO	DRO	ORO
0.7-1.7	<1.5	4.2	<250	7,300
11-12	<1.5	<3.0	<25	<50

RISB-26	Benzene	GRO	DRO	ORO
2-3	--	--	<25	<50
6-7	<1.5	--	--	--
24-25	<1.5	--	--	--

LAI-18

LAI-24

RISB-13	Benzene	GRO	DRO	ORO
10-11	<1.5	--	<25	<50
12.5-13	<1.5	--	<25	<50

LAI-20

LAI-10

LAI-27

LAI-09

RISB-18	Benzene	GRO	DRO	ORO
2.5-3.5	<1.5	--	--	--
9-10	<1.5	--	--	--
19-20	<1.5	--	--	--

LAI-17

RISB-50	Benzene	GRO	DRO	ORO
13.5-14.5	<1.5	--	<25	<50
24-25	<1.5	--	<25	<50

LAI-11

LAI-25

RISB-24	Benzene	GRO	DRO	ORO
2-3	<1.5	--	<25	<50

RISB-25	Benzene	GRO	DRO	ORO
2-3	<1.5	--	<25	<50

RISB-19	Benzene	GRO	DRO	ORO
1.5-2	<2.9	--	--	--
8.5-9.5	<1.5	--	--	--
14-15	<1.5	--	--	--

RISB-21	Benzene	GRO	DRO	ORO
12.5-13.5	<1.5	--	--	--
19-20	<1.5	--	--	--

RISB-23	Benzene	GRO	DRO	ORO
14-15	<1.5	--	--	--
19-20	<1.5	--	--	--

LAI-26

RISB-07	Benzene	GRO	DRO	ORO
14.5-15.5	<1.5	--	<25	<50
29-30	<1.5	--	--	--

RISB-20	Benzene	GRO	DRO	ORO
6.5-7.5	<1.5	--	--	--

RISB-22	Benzene	GRO	DRO	ORO
1-2	--	--	1,400	1,900
6.5-7.5	<1.5	--	<25	<50
19-20	<1.5	--	--	--

RISB-05

RISB-04

RISB-11

RIDW-2

GP2

GP1

RISB-54

Legend

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	Benzene	GRO	DRO	ORO
	(µg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Sample Depth (ft)	0.277	30 with benzene	2,000	2,000
		100 without benzene		

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-20, C-21, C-22 Complex
TPH and Benzene in Soil

Figure
5b

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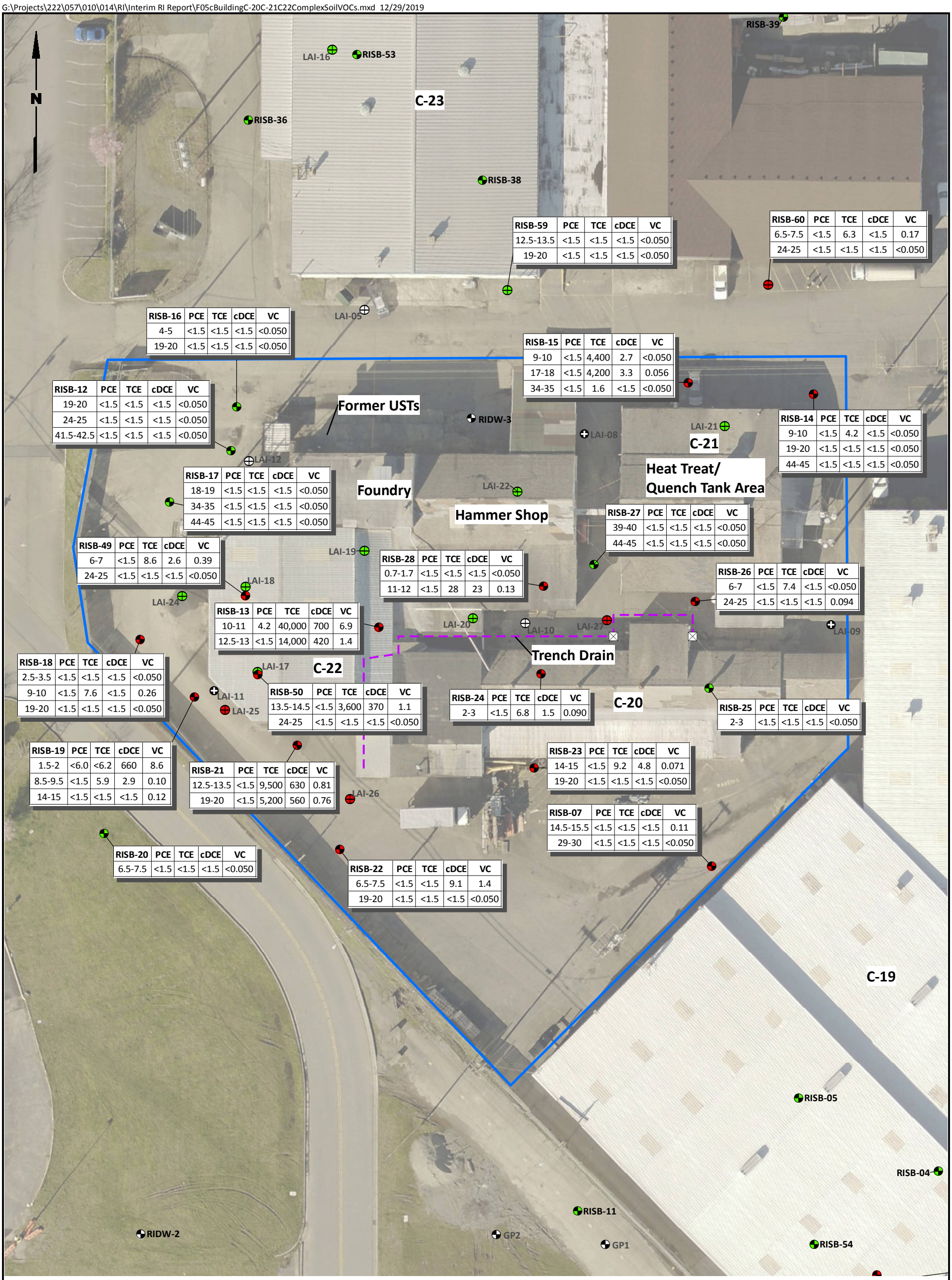

RISB-59	PCE	TCE	cDCE	VC
12.5-13.5	<1.5	<1.5	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	<0.050

RISB-60	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	6.3	<1.5	0.17
24-25	<1.5	<1.5	<1.5	<0.050

RISB-16	PCE	TCE	cDCE	VC
4-5	<1.5	<1.5	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	<0.050

RISB-15	PCE	TCE	cDCE	VC
9-10	<1.5	4,400	2.7	<0.050
17-18	<1.5	4,200	3.3	0.056
34-35	<1.5	1.6	<1.5	<0.050

RISB-12	PCE	TCE	cDCE	VC
19-20	<1.5	<1.5	<1.5	<0.050
24-25	<1.5	<1.5	<1.5	<0.050
41.5-42.5	<1.5	<1.5	<1.5	<0.050

RISB-14	PCE	TCE	cDCE	VC
9-10	<1.5	4.2	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	<0.050
44-45	<1.5	<1.5	<1.5	<0.050

RISB-17	PCE	TCE	cDCE	VC
18-19	<1.5	<1.5	<1.5	<0.050
34-35	<1.5	<1.5	<1.5	<0.050
44-45	<1.5	<1.5	<1.5	<0.050

RISB-27	PCE	TCE	cDCE	VC
39-40	<1.5	<1.5	<1.5	<0.050
44-45	<1.5	<1.5	<1.5	<0.050

RISB-49	PCE	TCE	cDCE	VC
6-7	<1.5	8.6	2.6	0.39
24-25	<1.5	<1.5	<1.5	<0.050

RISB-28	PCE	TCE	cDCE	VC
0.7-1.7	<1.5	<1.5	<1.5	<0.050
11-12	<1.5	28	23	0.13

RISB-26	PCE	TCE	cDCE	VC
6-7	<1.5	7.4	<1.5	<0.050
24-25	<1.5	<1.5	<1.5	0.094

RISB-13	PCE	TCE	cDCE	VC
10-11	4.2	40,000	700	6.9
12.5-13	<1.5	14,000	420	1.4

RISB-18	PCE	TCE	cDCE	VC
2.5-3.5	<1.5	<1.5	<1.5	<0.050
9-10	<1.5	7.6	<1.5	0.26
19-20	<1.5	<1.5	<1.5	<0.050

RISB-50	PCE	TCE	cDCE	VC
13.5-14.5	<1.5	3,600	370	1.1
24-25	<1.5	<1.5	<1.5	<0.050

RISB-24	PCE	TCE	cDCE	VC
2-3	<1.5	6.8	1.5	0.090

RISB-25	PCE	TCE	cDCE	VC
2-3	<1.5	<1.5	<1.5	<0.050

RISB-19	PCE	TCE	cDCE	VC
1.5-2	<6.0	<6.2	660	8.6
8.5-9.5	<1.5	5.9	2.9	0.10
14-15	<1.5	<1.5	<1.5	0.12

RISB-21	PCE	TCE	cDCE	VC
12.5-13.5	<1.5	9,500	630	0.81
19-20	<1.5	5,200	560	0.76

RISB-23	PCE	TCE	cDCE	VC
14-15	<1.5	9.2	4.8	0.071
19-20	<1.5	<1.5	<1.5	<0.050

RISB-07	PCE	TCE	cDCE	VC
14.5-15.5	<1.5	<1.5	<1.5	0.11
29-30	<1.5	<1.5	<1.5	<0.050

RISB-20	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	<1.5	<1.5	<0.050

RISB-22	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	<1.5	9.1	1.4
19-20	<1.5	<1.5	<1.5	<0.050

Legend

Color Coding Key

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- Soil Boring Location
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- Soil Gas Sampling Location
- Test Pit
- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex
- **RISB-44** = RI Location
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Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	PCE (µg/kg)	TCE (µg/kg)	cDCE (µg/kg)	VC (µg/kg)
Sample Depth (ft)	2.76	0.206	5.15	0.0089

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-20, C-21, C-22 Complex VOCs in Soil

Figure 5c

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N

C-23

C-21

C-22

C-20

C-19

Former USTs

Trench Drain

Foundry

Hammer Shop

Heat Treat/
Quench Tank Area

RISB-27	Arsenic	Total Chromium
2-3	3.2	39

RISB-28	Arsenic	Total Chromium
0.7-1.7	2.7	32
11-12	2.8	37

RISB-26	Arsenic	Total Chromium
2-3	3.2	31

RISB-13	Arsenic	Total Chromium
10-11	2.8	34
12.5-13	2.2	43

RISB-24	Arsenic	Total Chromium
2-3	3.2	28

RISB-39, RISB-53, LAI-16, RISB-36, RISB-38, RISB-59, RISB-60, LAI-05, RISB-15, RISB-14, RISB-16, RIDW-3, LAI-21, LAI-08, RISB-12, LAI-12, RISB-17, LAI-22, LAI-19, LAI-18, RISB-49, LAI-24, LAI-20, LAI-10, LAI-27, LAI-09, RISB-18, LAI-17, RISB-50, RISB-19, LAI-11, LAI-25, RISB-25, RISB-21, RISB-23, LAI-26, RISB-20, RISB-22, RISB-07, RISB-05, RISB-04, RISB-11, RIDW-2, GP2, GP1, RISB-54

Legend

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- Soil Gas Sampling Location
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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	Arsenic (mg/kg)	Total Chromium (mg/kg)
Sample Depth (ft)	7	42

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-20, C-21, C-22 Complex Metals in Soil

Figure 5d

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N

C-23

RISB-60		Benzene	DRO	ORO
20-25	8/27/2019	<0.50	--	--

RISB-16		Benzene	DRO	ORO
10-15	4/1/2019	<0.50	--	--

RISB-15		Benzene	DRO	ORO
15-20	3/21/2019	<0.50	250	410

RISB-14		Benzene	DRO	ORO
20-25	4/1/2019	<0.50	--	--

Former USTs

RIDW-3

LAI-08

LAI-21

RISB-12

LAI-12

Foundry

LAI-22

Hammer Shop

Heat Treat/
Quench Tank Area

C-21

RISB-17		Benzene	DRO	ORO
20-25	3/29/2019	<0.50	--	--

RISB-27		Benzene	DRO	ORO
20-25	4/2/2019	<0.50	--	--

RISB-49		Benzene	DRO	ORO
4-9	3/20/2019	<0.50	<130	1,300

LAI-19

RISB-28		Benzene	DRO	ORO
9-12	3/19/2019	<0.50	<650	6,000

LAI-18

LAI-24

RISB-26		Benzene	DRO	ORO
15-20	4/2/2019	<0.50	--	--

RISB-13		Benzene	DRO	ORO
9-12	3/19/2019	<0.50	<130	850

LAI-20

LAI-10

LAI-27

LAI-09

Trench Drain

RISB-18		Benzene	DRO	ORO
15-20	3/29/2019	<0.50	--	--

LAI-17

RISB-50

C-22

RISB-24		Benzene	DRO	ORO
1-4	3/20/2019	<0.50	<130	860

C-20

RISB-25		Benzene	DRO	ORO
1.5-4.5	3/20/2019	<0.50	210	410

RISB-19

LAI-11

LAI-25

RISB-21		Benzene	DRO	ORO
4-4.5	4/2/2019	<0.50	--	--

RISB-23		Benzene	DRO	ORO
10-15	3/28/2019	<0.50	270	430

LAI-26

RISB-07		Benzene	DRO	ORO
10-15	3/28/2019	<0.50	280	340

RISB-20		Benzene	DRO	ORO
10-15	3/27/2019	0.68	--	--

RISB-22		Benzene	DRO	ORO
4-4.5	4/2/2019	<0.50	--	--

C-19

RISB-39

RISB-53

LAI-16

RISB-36

RISB-38

RISB-59

LAI-05

RISB-05

RISB-04

RISB-11

GP2

GP1

RISB-54

RIDW-2

Legend

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- Soil Gas Sampling Location
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- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex
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Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		Benzene	DRO	ORO
Screen	Date	(µg/L)	(µg/L)	(µg/L)
Depth (ft)		0.795	500	500

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-20, C-21, C-22 Complex
TPH and Benzene in Groundwater

Figure
5e

G:\Projects\222\057\010\014\RI\Interim RI Report\F05fBuildingC-20C-21C22ComplexGWVOCs.mxd 12/29/2019

N

C-23

C-22

C-21

C-20

C-19

Former USTs

Trench Drain

Foundry

Hammer Shop

Heat Treat/
Quench Tank Area

RISB-60		PCE	TCE	cDCE	VC
20-25	8/27/2019	<2.0	14	4.5	1.6

RISB-14		PCE	TCE	cDCE	VC
20-25	4/1/2019	<2.0	2.6	<2.0	<0.020

RISB-15		PCE	TCE	cDCE	VC
15-20	3/21/2019	<2.0	2,000	71	0.79

RISB-16		PCE	TCE	cDCE	VC
10-15	4/1/2019	<2.0	<0.50	<2.0	<0.020

RISB-17		PCE	TCE	cDCE	VC
20-25	3/29/2019	<2.0	<0.50	<2.0	<0.020

RISB-49		PCE	TCE	cDCE	VC
4-9	3/20/2019	<2.0	430	150	7.4

RISB-28		PCE	TCE	cDCE	VC
9-12	3/19/2019	<2.0	310	68	2

RISB-27		PCE	TCE	cDCE	VC
20-25	4/2/2019	<2.0	220	77	2.7

RISB-26		PCE	TCE	cDCE	VC
15-20	4/2/2019	<2.0	24	18	0.6

RISB-13		PCE	TCE	cDCE	VC
9-12	3/19/2019	<2.0	2,100	780	240

RISB-18		PCE	TCE	cDCE	VC
15-20	3/29/2019	<2.0	1.3	<2.0	1.3

RISB-24		PCE	TCE	cDCE	VC
1-4	3/20/2019	<2.0	330	13	1.2

RISB-25		PCE	TCE	cDCE	VC
1.5-4.5	3/20/2019	<2.0	12	5.9	0.22

RISB-21		PCE	TCE	cDCE	VC
4-4.5	4/2/2019	<2.0	190	45	0.54

RISB-23		PCE	TCE	cDCE	VC
10-15	3/28/2019	<2.0	63	15	0.62

RISB-07		PCE	TCE	cDCE	VC
10-15	3/28/2019	<2.0	110	23	0.46

RISB-20		PCE	TCE	cDCE	VC
10-15	3/27/2019	<2.0	<0.50	<2.0	0.071

RISB-22		PCE	TCE	cDCE	VC
4-4.5	4/2/2019	<2.0	3.9	24	90

RISB-39
LAI-16
RISB-53
RISB-36
RISB-38
RISB-59
LAI-05
LAI-08
LAI-21
RIDW-3
RISB-12
LAI-12
LAI-22
LAI-19
LAI-18
LAI-24
LAI-20
LAI-10
LAI-27
LAI-09
LAI-17
RISB-50
LAI-11
RISB-19
LAI-25
LAI-26
RISB-05
RISB-04
RISB-11
RIDW-2
GP2
GP1
RISB-54

Legend

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- Building C-20, C-21, C-22 Complex
- **RISB-44** = RI Location
- **C29-MW2** = Pre-RI Location

Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	VC (µg/L)
Screen Depth (ft)	Date	5	0.54	16	0.029

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-20, C-21, C-22 Complex
VOCs in Groundwater

Figure
5f

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N

LAI-16 RISB-53 RISB-39

C-23

RISB-36

RISB-38

RISB-59 RISB-60

LAI-05

RISB-15 RISB-14

RISB-16

Former USTs

RIDW-3

LAI-08 LAI-21

RISB-12 LAI-12

Foundry

LAI-22

Heat Treat/
Quench Tank Area

RISB-17

Hammer Shop

C-21

RISB-27		Arsenic	Total Chromium
20-25	4/2/2019	3.5	<2.0

RISB-49		Arsenic	Total Chromium
4-9	3/20/2019	14	2.4

LAI-19

RISB-28		Arsenic	Total Chromium
9-12	3/19/2019	1.0	<2.0

LAI-18

LAI-24

RISB-26		Arsenic	Total Chromium
15-20	4/2/2019	2.3	<2.0

RISB-13		Arsenic	Total Chromium
9-12	3/19/2019	2.1	18

LAI-20 LAI-10 LAI-27 LAI-09

RISB-18

Trench Drain

LAI-17
RISB-50

C-22

RISB-24

RISB-25

LAI-11

RISB-19

C-20

LAI-25

RISB-21

RISB-23

LAI-26

RISB-07		Arsenic	Total Chromium
10-15	3/28/2019	<1.0	<2.0

RISB-20

RISB-22

C-19

RISB-5

RISB-4

RISB-11

RIDW-2

GP2

GP1

RISB-54

Legend

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Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		Arsenic	Total Chromium
Screen Depth	Date	(µg/L)	(µg/L)
(ft)		5	100

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

**Building C-20, C-21, C-22 Complex
Metals in Groundwater**

Figure
5g

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N

LAI-16 RISB-53 RISB-39

C-23

RISB-36

RISB-38

RISB-59 RISB-60

LAI-05

Former USTs

RISB-16 RIDW-3 RISB-15 RISB-14

LAI-21

LAI-08

C-21

RISB-12 LAI-12

Heat Treat/
Quench Tank Area

Foundry

LAI-22

RISB-17

Hammer Shop

LAI-19

RISB-27

LAI-18

RISB-28

LAI-24 RISB-49

RISB-26

RISB-13

LAI-20 LAI-10 LAI-27 LAI-09

RISB-18

Trench Drain

LAI-17

C-22

RISB-24

RISB-25

LAI-11 LAI-25

C-20

RISG-50	Benzene	PCE	TCE	VC
0.7	2.2	18	1,700	<2.3

RISG-19	Benzene	PCE	TCE	VC
4-4.5	46	6.9	690	25,000

RISB-21

RISB-23

LAI-26

RISB-20

RISG-22	Benzene	PCE	TCE	VC
4-4.5	<20	<21	36	2,600

RISB-07

C-19

RISB-05

RISB-04

RISB-11

RIDW-2 GP2 GP1 RISB-54

Legend

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Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	Benzene	PCE	TCE	VC
	µg/m3	µg/m3	µg/m3	µg/m3
Sample Depth (ft)	10.7	321	12.3	9.33

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Everett, Washington

Building C-20, C-21, C-22 Complex Soil Gas

Figure
5h

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Legend

RI Sampling Location

- RI Soil Sampling Location
- RI Soil and Groundwater Sampling Location
- RI Soil and Soil Gas Sampling Location
- RI Soil, Soil Gas, and Groundwater Sampling Location
- RI Monitoring Well Location

Pre-RI Sampling Location

- Ambient Air Sampling Location
- Soil Boring Location
- Indoor Air Sampling Location
- Monitoring Well Location (Sampled During RI)
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Building C-23 and C-23 Annex Investigation Area

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-23 and C-23 Annex
RI Exploration Locations

Figure
6a

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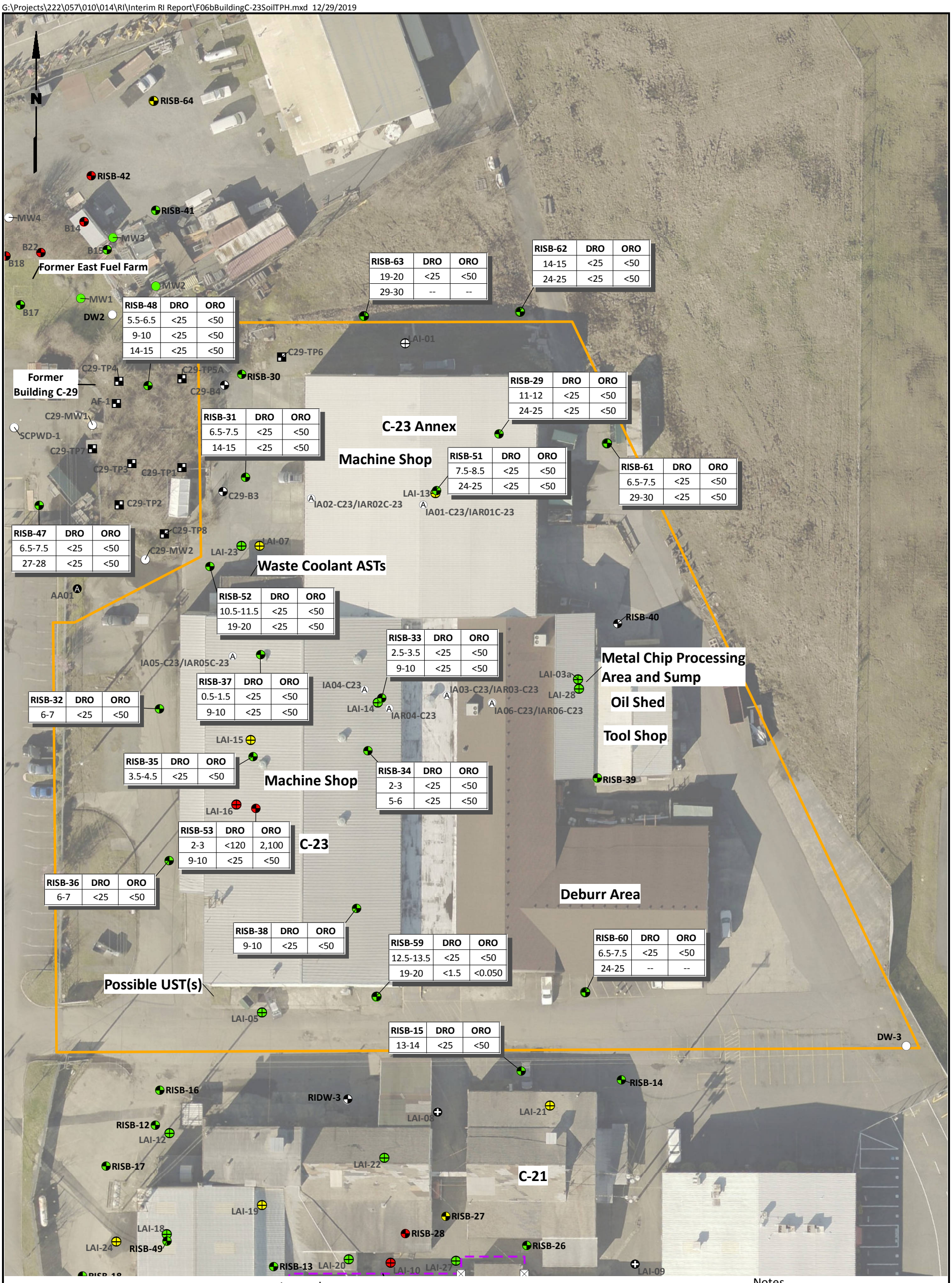

Legend

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- Building C-23 and C-23 Annex
- **RISB-44** = RI Location
- **C29-MW2** = Pre-RI Location

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	DRO (mg/kg)	ORO (mg/kg)
Sample Depth (ft)	2,000	2,000

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100

Scale in Feet

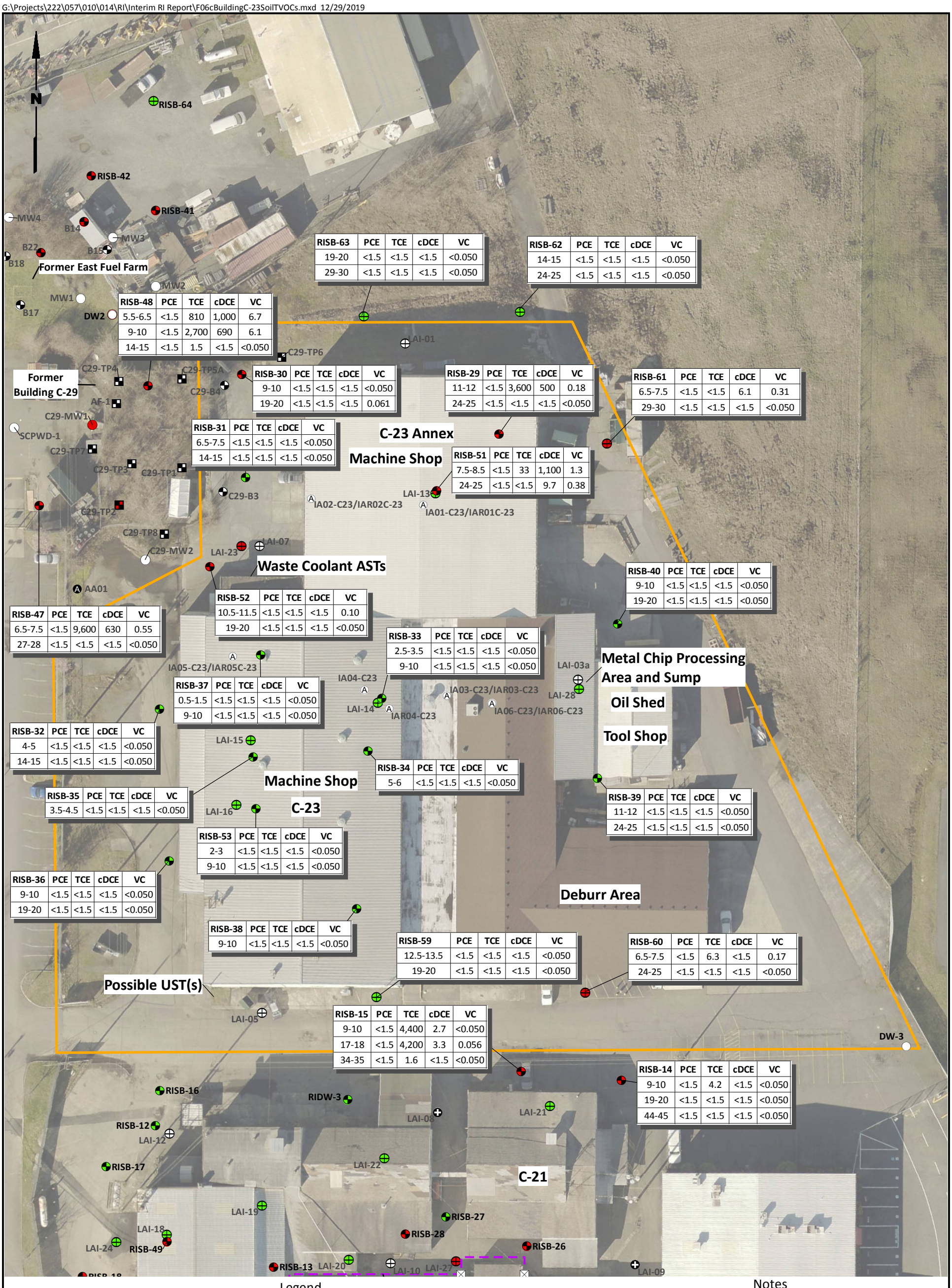
LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-23 and C-23 Annex
TPH in Soil

Figure
6b

G:\Projects\222\057\010\014\RI\Interim RI Report\F06cBuildingC-23SoilTVOCs.mxd 12/29/2019



RISB-63	PCE	TCE	cDCE	VC
19-20	<1.5	<1.5	<1.5	<0.050
29-30	<1.5	<1.5	<1.5	<0.050

RISB-62	PCE	TCE	cDCE	VC
14-15	<1.5	<1.5	<1.5	<0.050
24-25	<1.5	<1.5	<1.5	<0.050

RISB-48	PCE	TCE	cDCE	VC
5.5-6.5	<1.5	810	1,000	6.7
9-10	<1.5	2,700	690	6.1
14-15	<1.5	1.5	<1.5	<0.050

RISB-30	PCE	TCE	cDCE	VC
9-10	<1.5	<1.5	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	0.061

RISB-29	PCE	TCE	cDCE	VC
11-12	<1.5	3,600	500	0.18
24-25	<1.5	<1.5	<1.5	<0.050

RISB-61	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	<1.5	6.1	0.31
29-30	<1.5	<1.5	<1.5	<0.050

RISB-31	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	<1.5	<1.5	<0.050
14-15	<1.5	<1.5	<1.5	<0.050

RISB-51	PCE	TCE	cDCE	VC
7.5-8.5	<1.5	33	1,100	1.3
24-25	<1.5	<1.5	9.7	0.38

RISB-40	PCE	TCE	cDCE	VC
9-10	<1.5	<1.5	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	<0.050

RISB-47	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	9,600	630	0.55
27-28	<1.5	<1.5	<1.5	<0.050

RISB-52	PCE	TCE	cDCE	VC
10.5-11.5	<1.5	<1.5	<1.5	0.10
19-20	<1.5	<1.5	<1.5	<0.050

RISB-33	PCE	TCE	cDCE	VC
2.5-3.5	<1.5	<1.5	<1.5	<0.050
9-10	<1.5	<1.5	<1.5	<0.050

RISB-37	PCE	TCE	cDCE	VC
0.5-1.5	<1.5	<1.5	<1.5	<0.050
9-10	<1.5	<1.5	<1.5	<0.050

RISB-32	PCE	TCE	cDCE	VC
4-5	<1.5	<1.5	<1.5	<0.050
14-15	<1.5	<1.5	<1.5	<0.050

RISB-34	PCE	TCE	cDCE	VC
5-6	<1.5	<1.5	<1.5	<0.050

RISB-35	PCE	TCE	cDCE	VC
3.5-4.5	<1.5	<1.5	<1.5	<0.050

RISB-39	PCE	TCE	cDCE	VC
11-12	<1.5	<1.5	<1.5	<0.050
24-25	<1.5	<1.5	<1.5	<0.050

RISB-53	PCE	TCE	cDCE	VC
2-3	<1.5	<1.5	<1.5	<0.050
9-10	<1.5	<1.5	<1.5	<0.050

RISB-36	PCE	TCE	cDCE	VC
9-10	<1.5	<1.5	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	<0.050

RISB-38	PCE	TCE	cDCE	VC
9-10	<1.5	<1.5	<1.5	<0.050

RISB-59	PCE	TCE	cDCE	VC
12.5-13.5	<1.5	<1.5	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	<0.050

RISB-60	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	6.3	<1.5	0.17
24-25	<1.5	<1.5	<1.5	<0.050

RISB-15	PCE	TCE	cDCE	VC
9-10	<1.5	4,400	2.7	<0.050
17-18	<1.5	4,200	3.3	0.056
34-35	<1.5	1.6	<1.5	<0.050

RISB-14	PCE	TCE	cDCE	VC
9-10	<1.5	4.2	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	<0.050
44-45	<1.5	<1.5	<1.5	<0.050

Legend

Color Coding Key

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- Analysis was not Conducted at this Location

Sampling Locations

- Ⓐ Ambient Air Sampling Location
- Ⓐ Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit
- Catch Basin
- Trench Drain
- Building C-23 and C-23 Annex
- **RISB-44** = RI Location
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Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	PCE (µg/kg)	TCE (µg/kg)	cDCE (µg/kg)	VC (µg/kg)
Sample Depth (ft)	2.76	0.206	5.15	0.0089

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-23 and C-23 Annex VOCs in Soil

Figure 6c

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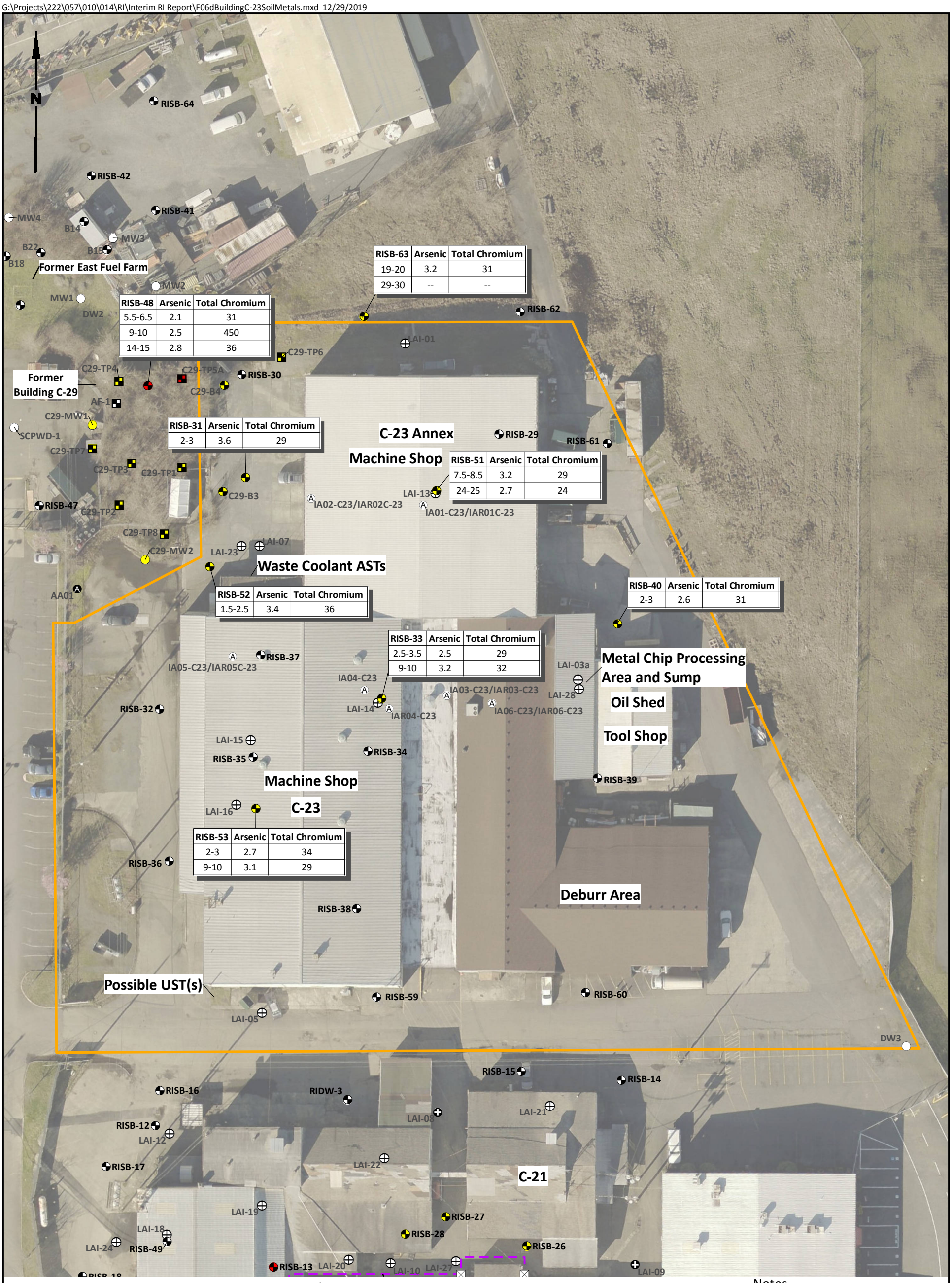

Legend

Color Coding Key

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- One or More Analytes were Detected, but did not Exceed Site Screening Levels
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Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100

Scale in Feet

Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	Arsenic (mg/kg)	Total Chromium (mg/kg)
Sample Depth (ft)	7	42

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Building C-23 and C-23 Annex Metals in Soil

Figure 6d

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N

RISB-63		Benzene	GRO	DRO	ORO
25-30	8/28/2019	<0.50	--	--	--

RISB-62		Benzene	GRO	DRO	ORO
20-25	8/28/2019	<0.50	--	<130	<250

RISB-48		Benzene	GRO	DRO	ORO
9-11.5	4/5/2019	4.0	<50	3,400	6,500

RISB-30		Benzene	GRO	DRO	ORO
15-20	3/22/2019	<0.50	--	270	<250

RISB-29		Benzene	GRO	DRO	ORO
20-25	3/19/2019	<0.50	--	<130	2,100

RISB-31		Benzene	GRO	DRO	ORO
15-20	3/22/2019	<0.50	--	--	--

RISB-61		Benzene	GRO	DRO	ORO
25-30	8/28/2019	<0.50	<50	430	<250

RISB-51		Benzene	GRO	DRO	ORO
20-25	3/19/2019	<0.50	--	1,100	910

RISB-52		Benzene	GRO	DRO	ORO
10-15	3/22/2019	0.66	--	220	350

RISB-40		Benzene	GRO	DRO	ORO
2.5-3.0	4/1/2019	<0.50	--	--	--

C29-MW2		Benzene	GRO	DRO	ORO
--	11/8/2018	<0.50	<50	160	<250
	9/5/2019	<0.50	<50	<130	<250

RISB-47		Benzene	GRO	DRO	ORO
7-12	4/5/2019	2.0	69	460	380

RISB-32		Benzene	GRO	DRO	ORO
8.5-13.5	3/22/2019	<0.50	--	130	<250

RISB-39		Benzene	GRO	DRO	ORO
3.0-3.05	4/9/2019	<0.50	--	--	--

RISB-38		Benzene	GRO	DRO	ORO
6-10	3/13/2019	<0.50	--	--	--

RISB-60		Benzene	GRO	DRO	ORO
20-25	8/27/2019	<0.50	--	--	--

RISB-15		Benzene	GRO	DRO	ORO
15-20	3/21/2019	<0.50	--	250	410

RISB-14		Benzene	GRO	DRO	ORO
20-25	4/1/2019	<0.50	--	--	--

RISB-64
RISB-42
RISB-41
MW4
B14
MW3
B22
B15
B18
Former East Fuel Farm
MW1
MW2
B17
DW2
LAI-01
C29-TP6
C29-TP4
C29-TP5A
Former Building C-29
C29-B4
AF-1
C29-MW1
SCPWD-1
C29-TP7
C29-TP3
C29-TP1
C-23 Annex
Machine Shop
C29-B3
IA02-C23/IAR02C-23
LAI-13
IA01-C23/IAR01C-23
C29-TP2
C29-TP8
LAI-07
LAI-23
Waste Coolant ASTs
AA01
RISB-37
IA05-C23/IAR05C-23
IA04-C23
RISB-33
IA03-C23/IAR03-C23
LAI-14
IAR04-C23
IA06-C23/IAR06-C23
LAI-03a
LAI-28
Metal Chip Processing Area and Sump
Oil Shed
Tool Shop
LAI-15
RISB-35
RISB-34
Machine Shop
LAI-16
RISB-53
C-23
RISB-36
Deburr Area
Possible UST(s)
RISB-59
LAI-05
DW3
RISB-16
RIDW-3
LAI-08
LAI-21
RISB-12
LAI-12
RISB-17
LAI-22
C-21
LAI-19
RISB-27
LAI-18
RISB-28
LAI-24
RISB-49
RISB-26
LAI-20
LAI-10
LAI-27
LAI-09
RISB-13
RISB-18

Legend

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Sampling Locations

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Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only					
Location		Benzene	GRO	DRO	ORO
Screen	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Depth (ft)		0.795	800	500	500

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100

Scale in Feet

LANDAU ASSOCIATES

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Everett, Washington

Building C-23 and C-23 Annex
TPH and Benzene in Groundwater

Figure
6e

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N

RISB-64

RISB-42

RISB-41

MW4

B14

MW3

B22

B15

B18

Former East Fuel Farm

MW1

MW2

B17

DW2

RISB-63		PCE	TCE	cDCE	VC
25-30	8/28/2019	<2.0	<0.50	<2.0	<0.020

RISB-62		PCE	TCE	cDCE	VC
20-25	8/28/2019	<2.0	<0.50	<2.0	<0.020

RISB-48		PCE	TCE	cDCE	VC
9-11.5	4/5/2019	<2.0	2,300	3,600	480

LAI-01

C29-TP6

C29-TP4

C29-TP5A

Former Building C-29

C29-B4

RISB-30		PCE	TCE	cDCE	VC
15-20	3/22/2019	<2.0	<0.50	2.7	0.19

RISB-29		PCE	TCE	cDCE	VC
20-25	3/19/2019	<2.0	110	140	1.6

AF-1

C29-MW1

SCPWD-1

RISB-31		PCE	TCE	cDCE	VC
4-4.5	4/9/2019	<2.0	<0.50	<2.0	0.089

C-23 Annex

RISB-61		PCE	TCE	cDCE	VC
25-30	8/28/2019	<2.0	<0.50	<2.0	0.31

C29-TP7

C29-TP3

C29-TP1

Machine Shop

RISB-51		PCE	TCE	cDCE	VC
20-25	3/19/2019	<2.0	20	390	8.4

C29-B3

IA02-C23/IAR02C-23

LAI-13

IA01-C23/IAR01C-23

C29-TP2

RISB-52		PCE	TCE	cDCE	VC
10-15	3/22/2019	<2.0	85	81	4.4

C29-TP8

LAI-07

LAI-23

Waste Coolant ASTs

AA01

C29-MW2		PCE	TCE	cDCE	VC
--	11/8/2018	<2.0	85	99	0.24
	9/5/2019	<2.0	250	230	0.27

RISB-40		PCE	TCE	cDCE	VC
2.5-3	4/1/2019	<2.0	<0.50	<2.0	<0.020

RISB-47		PCE	TCE	cDCE	VC
7-12	4/5/2019	5.5	24,000	2,200	52

RISB-37

IA05-C23/IAR05C-23

IA04-C23

RISB-33

IA03-C23/IAR03-C23

LAI-03a

LAI-28

Metal Chip Processing Area and Sump

LAI-14

IAR04-C23

IA06-C23/IAR06-C23

Oil Shed

Tool Shop

RISB-32		PCE	TCE	cDCE	VC
8.5-13.5	3/22/2019	<2.0	0.87	<2.0	0.099

LAI-15

RISB-34

RISB-35

Machine Shop

RISB-39		PCE	TCE	cDCE	VC
3-3.5	4/9/2019	<2.0	<0.50	<2.0	<0.020

LAI-16

RISB-53

C-23

RISB-36

Deburr Area

RISB-38		PCE	TCE	cDCE	VC
6-10	3/13/2019	<2.0	0.79	<2.0	<0.020

RISB-60		PCE	TCE	cDCE	VC
20-25	8/27/2019	<2.0	14	4.5	1.6

Possible UST(s)

RISB-59

LAI-05

RISB-15		PCE	TCE	cDCE	VC
15-20	3/21/2019	<2.0	2000	71	0.79

DW3

RISB-14		PCE	TCE	cDCE	VC
20-25	4/1/2019	<2.0	2.6	<2.0	<0.020

RISB-16

RIDW-3

LAI-08

LAI-21

RISB-12

LAI-12

RISB-17

LAI-22

C-21

LAI-19

RISB-27

LAI-18

RISB-28

RISB-26

LAI-24

RISB-49

RISB-13

LAI-20

LAI-10

LAI-27

LAI-09

Legend

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- Soil Gas Sampling Location
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- Trench Drain
- Building C-23 and C-23 Annex

RISB-44 = RI Location

C29-MW2 = Pre-RI Location

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	VC (µg/L)
Screen Depth (ft)	Date	5	0.54	16	0.029

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-23 and C-23 Annex
VOCs in Groundwater

Figure
6f

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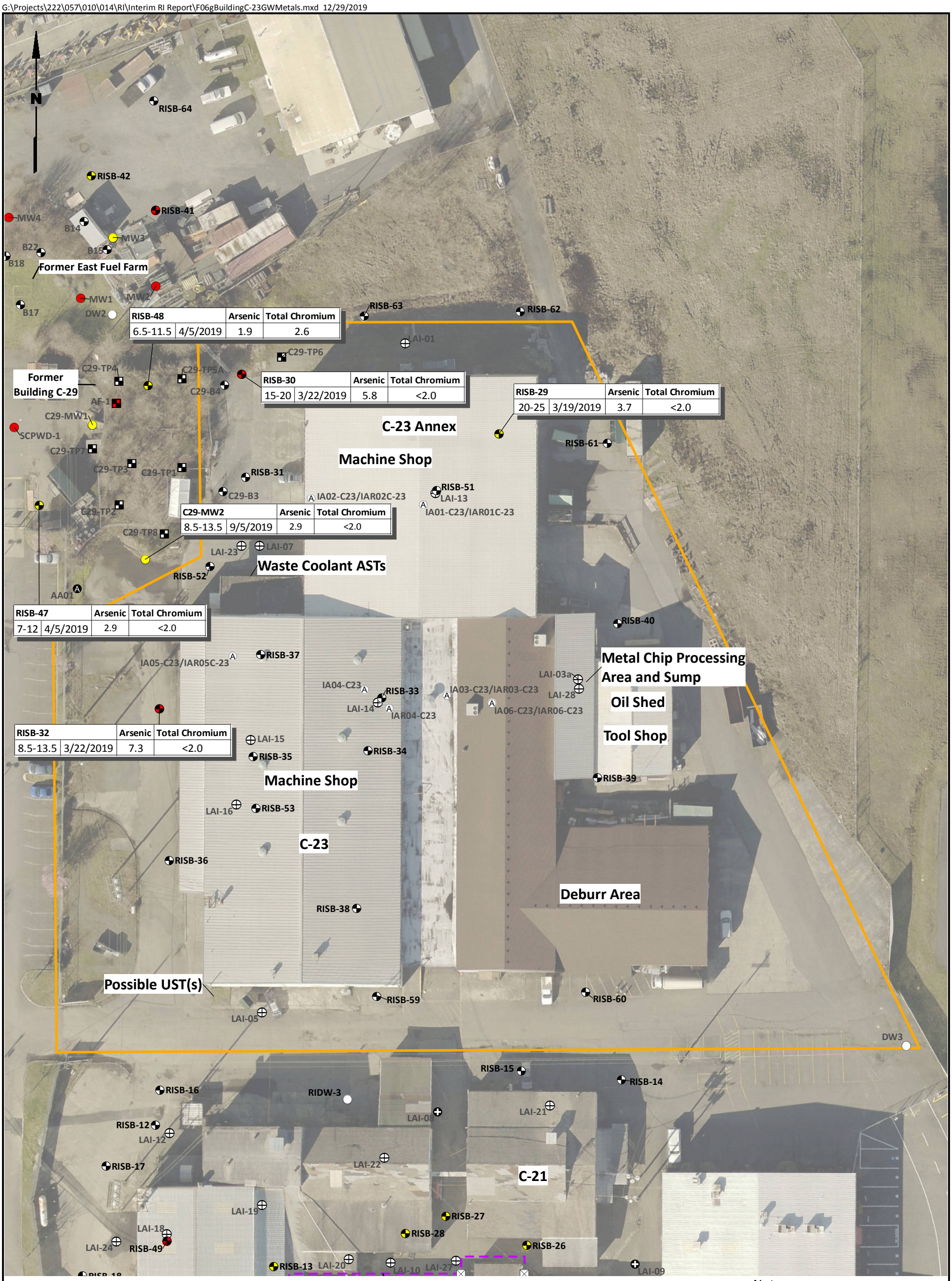

Legend

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- Soil Gas Sampling Location
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- ☒ Catch Basin
- Trench Drain
- Building C-23 and C-23 Annex
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Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		Arsenic	Total Chromium
Screen Depth	Date	(µg/L)	(µg/L)
(ft)		5	100

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100
Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Building C-23 and C-23 Annex
Metals in Groundwater

Figure
6g

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Legend

Color Coding Key

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- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
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- Catch Basin
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- Building C-23 and C-23 Annex
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Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100

Scale in Feet

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	PCE	TCE	VC
	µg/m3	µg/m3	µg/m3
Sample Depth (ft)	321	12.3	9.33

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Everett, Washington

Building C-23 and C-23 Annex Soil Gas

Figure 6h

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N

RISB-43
RISB-64
RISB-42
RISB-41
HMB1
B19
MW4
B14
Former Pump Island
MW3
Existing UST (25,000 gallons)
B15
B18
B22
Possible UST
Existing UST (unknown size)
MW2
RISB-65
RIDW-4
MW1
B17
Former Fuel Farm
DW2
Removed 12,000 gallon UST
C29-TP6
RISB-30
C29-TP4
C29-TP5A
C29-B4
RISB-44
Former Building C-29
RISB-48
AF-1
RISB-45
RISB-66
SCPWD-1
C29-MW1
TC-2
C29-TP7
C29-TP3
C29-TP1
RISB-31
Former Building C-27
C29-B3
IA02-C23/IAR02C-23
RISB-47
C29-TP2
C29-TP8
LAI-23
LAI-07
TC-3
C29-MW2
RISB-67
RISB-52
AA01
RISB-46
RISB-37
IA05-C23/IAR05C-23
Building C-23
RISB-32
LAI-15
RISB-35
RISB-68
LAI-16
RISB-53
C-23
RISB-36

Legend

RI Sampling Location
- RI Soil Sampling Location
- RI Soil and Groundwater Sampling Location
- RI Soil and Soil Gas Sampling Location
- RI Soil, Soil Gas, and Groundwater Sampling Location
- RI Monitoring Well Location

Pre-RI Sampling Location
- Ambient Air Sampling Location
- Soil Boring Location
- Indoor Air Sampling Location
- Monitoring Well Location (Sampled During RI)
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Former Building C-29/Former East Fuel Farm Investigation Area

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80
Scale in Feet

LANDAU ASSOCIATES

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Everett, Washington

Former Building C-29/Former Fuel Farm RI Exploration Locations

Figure 7a

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N

RISB-43	Benzene	GRO	DRO	ORO
3-4	--	<3.0	<25	<50
6-7	<1.5	--	--	--
14-15	<1.5	--	--	--

RISB-64	Benzene	GRO	DRO	ORO
10-11	<1.5	<3.0	<25	180
24-25	<1.5	<3.0	<25	<50

RISB-42	Benzene	GRO	DRO	ORO
6.5-7.5	<1.5	--	--	--
11.5-12.5	2.0	<3.0	<25	<50
19-20	<1.5	--	--	--

RISB-41	Benzene	GRO	DRO	ORO
1-2	--	<3.0	<25	<50
5.5-6.5	<1.5	--	<25	<50
19-20	<1.5	--	<25	<50

RISB-65	Benzene	GRO	DRO	ORO
5-6	<1.5	<3.0	<25	<50
19-20	<1.5	<3.0	<25	<50

RISB-48	Benzene	GRO	DRO	ORO
5.5-6.5	<1.5	<3.0	<25	<50
9-10	<1.5	<3.0	<25	<50
14-15	<1.5	--	<25	<50

RISB-66	Benzene	GRO	DRO	ORO
9-10	<1.5	<3.0	<25	<50
44-45	<1.5	<3.0	<25	<50

RISB-44	Benzene	GRO	DRO	ORO
5-6	<1.5	<3.0	<25	71
10.5-11.5	<1.5	<3.0	<25	<50
19-20	<1.5	--	<25	<50

RISB-31	Benzene	GRO	DRO	ORO
6.5-7.5	<1.5	--	<25	<50
14-15	<1.5	--	<25	<50

RISB-45	Benzene	GRO	DRO	ORO
1.5-2	--	<3.0	<25	<50
14-15	<1.5	32	120	290
34-35	<1.5	--	--	--

RISB-47	Benzene	GRO	DRO	ORO
6.5-7.5	<1.5	<3.0	<25	<50
27-28	<1.5	<3.0	<25	<50

RISB-67	Benzene	GRO	DRO	ORO
14-15	<1.5	<3.0	<25	<50
54-55	<1.5	<3.0	<25	<50

RISB-52	Benzene	GRO	DRO	ORO
10.5-11.5	<1.5	--	<25	<50
19-20	<1.5	--	<25	<50

RISB-46	Benzene	GRO	DRO	ORO
3-4	--	<3.0	<25	<50
7.5-8.5	<1.5	--	--	--
29.5-30.5	<1.5	--	--	--
39-40	<1.5	--	--	--

RISB-68	Benzene	GRO	DRO	ORO
26.5-27.5	<1.5	<3.0	<25	<50
49-50	<1.5	<3.0	<25	<50

HMB1, B19, MW4, B14, MW3, B15, B18, B22, MW2, MW1, B17, DW2, RIDW-4, TC-2, SCPWD-1, C29-MW1, C29-TP4, C29-TP5A, C29-TP6, C29-B4, RISB-30, AF-1, C29-TP7, C29-TP3, C29-TP1, C29-B3, C29-TP2, IA02-C23/IAR02C-23, C29-TP8, LAI-23, LAI-07, C29-MW2, AA01, TC-3, IA05-C23/IAR05C-23, RISB-37, RISB-32, LAI-15, RISB-35, LAI-16, RISB-53

Existing UST (25,000 gallons)
Former Pump Island
Existing UST (unknown size)
Possible UST
Former Fuel Farm
Removed 12,000 gallon UST
Former Building C-29
Former Building C-27
Building C-23

Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Analysis was not Conducted at this Location

Sampling Locations

- Ambient Air Sampling Location
- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Former Building C-29/Former East Fuel Farm Investigation Area

- **RISB-44** = RI Location
- **C29-MW2** = Pre-RI Location

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	Benzene (µg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)
Sample Depth (ft)	0.277	30 with benzene	2,000	2,000
		100 without benzene		

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

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Everett, Washington

Former Building C-29/Former Fuel Farm TPH & Benzene in Soil

Figure 7b

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N

RISB-43	PCE	TCE	cDCE	VC
6-7	<1.5	3.4	<1.5	<0.050
14-15	<1.5	1.8	<1.5	<0.050

RISB-64	PCE	TCE	cDCE	VC
10-11	<1.5	<1.5	<1.5	<0.050
24-25	<1.5	<1.5	<1.5	<0.050

RISB-42	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	<1.5	34	13
11.5-12.5	<1.5	9.8	820	10
19-20	<1.5	<1.5	<1.5	0.13

RISB-41	PCE	TCE	cDCE	VC
5.5-6.5	<1.5	4.2	<1.5	<0.050
19-20	<1.5	2.4	<1.5	<0.050

RISB-65	PCE	TCE	cDCE	VC
5-6	<1.5	1.7	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	<0.050

RISB-48	PCE	TCE	cDCE	VC
5.5-6.5	<1.5	810	1,000	6.7
9-10	<1.5	2,700	690	6.1
14-15	<1.5	1.5	<1.5	<0.050

RISB-66	PCE	TCE	cDCE	VC
9-10	3	3,900	480	0.58
44-45	<1.5	6.8	<1.5	<0.050

RISB-44	PCE	TCE	cDCE	VC
10.5-11.5	<1.5	7,000	1,400	4
19-20	<1.5	11	13	1

RISB-30	PCE	TCE	cDCE	VC
9-10	<1.5	<1.5	<1.5	<0.050
19-20	<1.5	<1.5	<1.5	0.061

RISB-45	PCE	TCE	cDCE	VC
14-15	54,000	230,000	26	0.25
34-35	2.1	17	<1.5	<0.050

RISB-47	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	9,600	630	0.55
27-28	<1.5	<1.5	<1.5	<0.050

RISB-31	PCE	TCE	cDCE	VC
6.5-7.5	<1.5	<1.5	<1.5	<0.050
14-15	<1.5	<1.5	<1.5	<0.050

RISB-67	PCE	TCE	cDCE	VC
14-15	1.7	7,900	160	1.2
54-55	<1.5	9.8	2.7	<0.050

RISB-52	PCE	TCE	cDCE	VC
10.5-11.5	<1.5	<1.5	<1.5	0.10
19-20	<1.5	<1.5	<1.5	<0.050

RISB-46	PCE	TCE	cDCE	VC
7.5-8.5	10	3,500	460	0.75
29.5-30.5	<1.5	20	22	0.52
39-40	<1.5	<1.5	<1.5	0.12

RISB-68	PCE	TCE	cDCE	VC
26.5-27.5	4.3	7,900	34	0.1
49-50	<1.5	<1.5	<1.5	<0.050

HMB1
B19
MW4
B14
MW3
B15
B18
B22
B17
MW1
MW2
DW2
RIDW-4
Existing UST (25,000 gallons)
Former Pump Island
Existing UST (unknown size)
Possible UST
Former Fuel Farm
Removed 12,000 gallon UST
Former Building C-29
C29-TP4
C29-TP5A
C29-TP6
C29-B4
AF-1
C29-MW1
SCPWD-1
TC-2
C29-TP7
C29-TP3
C29-TP1
C29-B3
IA02-C23/IAR02C-23
C29-TP2
C29-TP8
LAI-23
LAI-07
C29-MW2
TC-3
Former Building C-27
AA01
IA05-C23/IAR05C-23
RISB-37
RISB-32
Building C-23
LAI-15
RISB-35
LAI-16
RISB-53

Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Analysis was not Conducted at this Location

Sampling Locations

- Ambient Air Sampling Location
- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Former Building C-29/Former East Fuel Farm Investigation Area

RISB-44 = RI Location

C29-MW2 = Pre-RI Location

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	PCE (µg/kg)	TCE (µg/kg)	cDCE (µg/kg)	VC (µg/kg)
Sample Depth (ft)	2.76	0.206	5.15	0.0089

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Former Building C-29/Former Fuel Farm VOCs in Soil

Figure 7c

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N

RISB-64
RISB-43
RISB-42
HMB1
B19
MW4
B14
RISB-41
Existing UST (25,000 gallons)
MW3
Former Pump Island
B15
B18
B22
Existing UST (unknown size)
Possible UST
MW2
RISB-65
RIDW-4
MW1
B17
DW2
Former Fuel Farm

RISB-48	Arsenic	Total Chromium
5.5-6.5	2.1	31
9-10	2.5	450
14-15	2.8	36

Removed 12,000 gallon UST
Former Building C-29
C29-TP6
RISB-30
C29-TP5A
C29-B4
RISB-44
C29-TP4
AF-1
RISB-66
RISB-45
SCPWD-1
C29-MW1
TC-2

RISB-31	Arsenic	Total Chromium
2-3	3.6	29

C29-TP7
C29-TP3
C29-TP1
Former Building C-27
C29-B3
RISB-47
C29-TP2
IA02-C23/IAR02C-23
C29-TP8
LAI-23
LAI-07
RISB-67
TC-3
C29-MW2
AA01

RISB-52	Arsenic	Total Chromium
1.5-2.5	3.4	36

RISB-46
IA05-C23/IAR05C-23
RISB-37
Building C-23
RISB-32
LAI-15
RISB-35
C-23
LAI-16
RISB-53
RISB-68

Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Analysis was not Conducted at this Location

Sampling Locations

- Ambient Air Sampling Location
- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Former Building C-29/Former East Fuel Farm Investigation Area

RISB-44 = RI Location

C29-MW2 = Pre-RI Location

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	Arsenic (mg/kg)	Total Chromium (mg/kg)
Sample Depth (ft)	7	42

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

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Everett, Washington

Former Building C-29/Former Fuel Farm Metals in Soil

Figure 7d

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N

RISB-43		Benzene	GRO	DRO	ORO
8-13	4/4/2019	<0.50	<50	<130	<250

RISB-64		Benzene	GRO	DRO	ORO
15-20	8/30/2019	<0.50	<50	240	<250

RISB-42		Benzene	GRO	DRO	ORO
10-15	4/3/2019	15	110	<260	1,900

MW3		Benzene	GRO	DRO	ORO
12.5-17.5	11/5/2018	21	820	270	<250
	8/30/2019	16	950	140	300

HMB1		Benzene	GRO	DRO	ORO
--	11/8/2018	<0.50	<50	230	<250
	8/29/2019	<0.50	<50	150	390

MW4		Benzene	GRO	DRO	ORO
7-17	11/7/2018	3.3	270	490	<250
	8/30/2019	8.5	690	800	350

RISB-41		Benzene	GRO	DRO	ORO
15-20	4/4/2019	<0.50	<50	150	<250

B19 B14 B15 B18 B22 B17

Existing UST (25,000 gallons)

Former Pump Island

Existing UST (unknown size)

Possible UST

Former Fuel Farm

RISB-65		Benzene	GRO	DRO	ORO
14-19	8/29/2019	<0.50	<50	140	<250

RIDW-4

MW2		Benzene	GRO	DRO	ORO
12-17	11/5/2018	2.8	<50	<130	<250
	8/30/2019	3.2	<50	<130	<250

MW1		Benzene	GRO	DRO	ORO
14.5-24.5	11/5/2018	42	<50	270	<250
	8/30/2019	36	<50	<130	360

DW2

RISB-48		Benzene	GRO	DRO	ORO
9-11.5	4/5/2019	4	<50	3,400	6,500

RISB-44		Benzene	GRO	DRO	ORO
12-17	4/5/2019	<0.50	<50	260	<250

Former Building C-29

C29-TP6 C29-TP4 C29-TP5A C29-B4 AF-1

C29-MW1		Benzene	GRO	DRO	ORO
15-20	11/8/2018	3.4	160	1,400	450
	8/29/2019	9.1	170	720	600

RISB-30		Benzene	GRO	DRO	ORO
15-20	3/22/2019	<0.50	--	270	<250

RISB-66		Benzene	GRO	DRO	ORO
15-20	8/29/2019	<5.0	500	600	530

TC-2

SCPWD-1		Benzene	GRO	DRO	ORO
15-20	11/8/2018	3.7	<50	390	510
	8/29/2019	4.7	<50	260	<250

C29-TP7 C29-TP3 C29-TP1 C29-B3

RISB-45		Benzene	GRO	DRO	ORO
15-20	4/4/2019	1.1	6,800	2,200	5,000

IA02-C23/IAR02C-23 Ⓐ

RISB-47		Benzene	GRO	DRO	ORO
7-12	4/5/2019	2	69	460	380

C29-TP2

RISB-31		Benzene	GRO	DRO	ORO
4-4.5	4/9/2019	<0.50	--	--	--

C29-TP8

C29-MW2		Benzene	GRO	DRO	ORO
--	11/8/2018	<0.50	<50	160	<250
	9/5/2019	<0.50	<50	<130	<250

TC-3

LAI-23 LAI-07

RISB-67		Benzene	GRO	DRO	ORO
10-15	8/30/2019	0.65	96	250	<250

Ⓐ AA01

RISB-52		Benzene	GRO	DRO	ORO
10-15	3/22/2019	0.66	--	220	350

Former Building C-27

IA05-C23/IAR05C-23 Ⓐ RISB-37

RISB-46		Benzene	GRO	DRO	ORO
10-15	4/3/2019	0.51	140	690	1,500

Building C-23

RISB-32		Benzene	GRO	DRO	ORO
8.5-13.5	3/22/2019	<0.50	--	130	<250

LAI-15 RISB-35

RISB-68 LAI-16 RISB-53

Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Analysis was not Conducted at this Location

Sampling Locations

- Ⓐ Ambient Air Sampling Location
- Ⓐ Indoor Air Sampling Location
- ○ Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Former Building C-29/Former East Fuel Farm Investigation Area

RISB-44 = RI Location

C29-MW2 = Pre-RI Location

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only					
Location		Benzene	GRO	DRO	ORO
Screen	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Depth (ft)		0.795	800	500	500

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Former Building C-29/Former Fuel Farm TPH in Groundwater

Figure 7e

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N

RISB-43		PCE	TCE	cDCE	VC
8-13	4/4/2019	<2.0	<0.50	<2.0	<0.020

RISB-64		PCE	TCE	cDCE	VC
15-20	8/30/2019	<2.0	18	<2.0	0.058

RISB-42		PCE	TCE	cDCE	VC
10-15	4/3/2019	<2.0	19	1,100	590

MW3		PCE	TCE	cDCE	VC
12.5-17.5	11/5/2018	<2.0	150	1,300	1,400
	8/30/2019	<2.0	890	2,300	1,500

HMB1		PCE	TCE	cDCE	VC
--	11/8/2018	<2.0	<0.50	<2.0	0.030
	8/29/2019	<2.0	0.72	<2.0	<0.020

MW4		PCE	TCE	cDCE	VC
7-17	11/7/2018	<2.0	<0.50	<2.0	0.16
	8/30/2019	<2.0	2.6	<2.0	0.50

RISB-41		PCE	TCE	cDCE	VC
15-20	4/4/2019	<2.0	<0.50	<2.0	0.11

RISB-65		PCE	TCE	cDCE	VC
14-19	8/29/2019	<2.0	160	26	1.8

MW2		PCE	TCE	cDCE	VC
12-17	11/5/2018	<2.0	36	330	66
	8/30/2019	<2.0	22	230	53

MW1		PCE	TCE	cDCE	VC
14.5-24.5	11/5/2018	<2.0	3,000	5,500	160
	8/30/2019	<2.0	3,900	5,300	120

RISB-48		PCE	TCE	cDCE	VC
9-11.5	4/5/2019	<2.0	2,300	3,600	480

RISB-44		PCE	TCE	cDCE	VC
12-17	4/5/2019	<2.0	1,100	1,700	73

C29-MW1		PCE	TCE	cDCE	VC
15-20	11/8/2018	<2.0	12,000	8,300	1,300
	8/29/2019	<2.0	15,000	11,000	940

RISB-66		PCE	TCE	cDCE	VC
15-20	8/29/2019	210	71,000	13,000	270

RISB-30		PCE	TCE	cDCE	VC
15-20	3/22/2019	<2.0	<0.50	2.7	0.19

RISB-45		PCE	TCE	cDCE	VC
15-20	4/4/2019	9,700	340,000	2,600	110

SCPWD-1		PCE	TCE	cDCE	VC
15-20	11/8/2018	<2.0	6,600	7,300	1,500
	8/29/2019	<2.0	10,000	9,600	1,600

RISB-47		PCE	TCE	cDCE	VC
7-12	4/5/2019	5.5	24,000	2,200	52

RISB-31		PCE	TCE	cDCE	VC
4-4.5	4/9/2019	<2.0	<0.50	<2.0	0.089

C29-MW2		PCE	TCE	cDCE	VC
--	11/8/2018	<2.0	85	99	0.24
	9/5/2019	<2.0	250	230	0.27

RISB-67		PCE	TCE	cDCE	VC
10-15	8/30/2019	36	49,000	4,300	200

RISB-52		PCE	TCE	cDCE	VC
10-15	3/22/2019	<2.0	85	81	4.4

RISB-46		PCE	TCE	cDCE	VC
10-15	4/3/2019	250	17,000	5,100	85

RISB-32		PCE	TCE	cDCE	VC
10.01	8.5-13.5	<2.0	0.87	<2.0	0.099

Existing UST (25,000 gallons)
Former Pump Island
Existing UST (unknown size)
Possible UST
Former Fuel Farm
Former Building C-29
Former Building C-27
Building C-23
B19
B14
B15
B18
B22
B17
RIDW-4
DW2
TC-2
TC-3
AA01
C29-TP6
C29-TP4
C29-TP5A
C29-B4
AF-1
C29-TP7
C29-TP3
C29-TP1
C29-B3
C29-TP2
C29-TP8
IA02-C23/IAR02C-23
IA05-C23/IAR05C-23
LAI-23
LAI-07
LAI-15
LAI-16
RISB-37
RISB-35
RISB-53
RISB-68

Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Analysis was not Conducted at this Location

Sampling Locations

- Ambient Air Sampling Location
- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Former Building C-29/Former East Fuel Farm Investigation Area

RISB-44 = RI Location

C29-MW2 = Pre-RI Location

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	VC (µg/L)
Screen Depth (ft)	Date	5	0.54	16	0.029

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Former Building C-29/Former Fuel Farm VOCs in Groundwater

Figure 7f

G:\Projects\222\057\010\014\RI\Interim RI Report\F07gFormerBuildingC-29GWMetals.mxd 12/29/2019

N

RISB-43		Arsenic	Total Chromium
8-13	4/4/2019	7.8	<2.0

RISB-64

RISB-42		Arsenic	Total Chromium
10-15	4/3/2019	1.3	<2.0

MW3		Arsenic	Total Chromium
12.5-17.5	11/5/2018	2.7	<2.0
	8/30/2019	2.5	<2.0

MW4		Arsenic	Total Chromium
7-17	11/7/2018	6.9	<2.0
	8/30/2019	2.8	<2.0

RISB-41		Arsenic	Total Chromium
15-20	4/4/2019	6.0	<2.0

HMB1		Arsenic	Total Chromium
--	11/8/2018	25	<2.0
	8/29/2019	17	<2.0

B19 B14 B15 B18 B22

Possible UST

Existing UST (unknown size)

Former Pump Island

Existing UST (25,000 gallons)

Former Fuel Farm

RISB-65

RIDW-4

B17

DW2

MW1		Arsenic	Total Chromium
14.5-24.5	11/5/2018	14	<2.0
	8/30/2019	--	--

MW2		Arsenic	Total Chromium
12-17	11/5/2018	12	<2.0
	8/30/2019	7.5	<2.0

C29-TP6

C29-TP5A

C29-B4

Former Building C-29

C29-TP4

AF-1

RISB-44		Arsenic	Total Chromium
12-17	4/5/2019	5.7	<2.0

C29-MW1		Arsenic	Total Chromium
1.46	--	4.2	2.1

RISB-30		Arsenic	Total Chromium
15-20	3/22/2019	5.8	<2.0

RISB-48		Arsenic	Total Chromium
9-11.5	4/5/2019	1.9	2.6

RISB-66

RISB-45		Arsenic	Total Chromium
15-20	4/4/2019	2.9	<2.0

TC-2

C29-TP7

SCPWD-1		Arsenic	Total Chromium
15-20	11/8/2018	7.7	<2.0
	8/29/2019	7.6	<2.0

C29-TP3

C29-TP1

RISB-31

C29-B3

IA02-C23/IAR02C-23

C29-TP2

RISB-47		Arsenic	Total Chromium
7-12	4/5/2019	2.9	<2.0

C29-TP8

LAI-23

LAI-07

Former Building C-27

TC-3

RISB-67

RISB-52

AA01

C29-MW2		Arsenic	Total Chromium
--	11/8/2018	2.9	<2.0
	9/5/2019	2.9	<2.0

RISB-37

IA05-C23/IAR05C-23

RISB-46		Arsenic	Total Chromium
10-15	4/3/2019	<1.0	<2.0

Building C-23

RISB-32		Arsenic	Total Chromium
8.5-13.5	3/22/2019	7.3	<2.0

LAI-15

RISB-35

C-23

LAI-16

RISB-53

RISB-68

Legend

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Former Building C-29/Former East Fuel Farm Investigation Area

RISB-44 = RI Location

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Notes

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Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		Arsenic	Total Chromium
Screen Depth	Date	(µg/L)	(µg/L)
(ft)		5	100

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 40 80

Scale in Feet

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Former Building C-29/Former Fuel Farm Metals in Groundwater

Figure 7g

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N

RISG-42	1,1-DCA	Benzene	TCE	VC
4-4.5	<77	<77	<79	2,000

RISG-100	1,1-DCA	Benzene	TCE	VC
0.70	<1.9	3.2	9.1	<1.8

RISG-102	1,1-DCA	Benzene	TCE	VC
0.80	<3.3	5.7	10	210

RISG-101	1,1-DCA	Benzene	TCE	VC
0.70	<2.5	<2.4	<2.4	<2.4

RISB-64
RISB-43
HMB1
B19
MW4
B14
RISB-41
Former Pump Island
Existing UST (25,000 gallons)
MW3
B15
B18
B22
Possible UST
RISB-65
RIDW-4
Former Fuel Farm
MW2
MW1
B17
DW2
Existing UST (unknown size)
Removed 12,000 gallon UST
Former Building C-29
C29-TP4
C29-TP5A
RISB-48
C29-B4
RISB-44
AF-1
RISB-66
RISB-45
SCPWD-1
C29-MW1
TC-2
C29-TP7
C29-TP3
C29-TP1
Former Building C-27
RISB-47
C29-TP2
C29-B3
C29-TP8
TC-3
LAI-23
C29-MW2
RISB-67
RISB-52
AA01
RISB-46
IA05-C23/IAR05C-23
RISB-32
Buil
RISB-68
LAI-16
RISB-36

Legend

Color Coding Key

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- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Former Building C-29/Former East Fuel Farm Investigation Area

RISB-44 = RI Location

C29-MW2 = Pre-RI Location

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 50 100

Scale in Feet

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location	1,1-DCA	Benzene	TCE	VC
	µg/m3	µg/m3	µg/m3	µg/m3
Sample Depth (ft)	52.1	10.7	12.3	9.33

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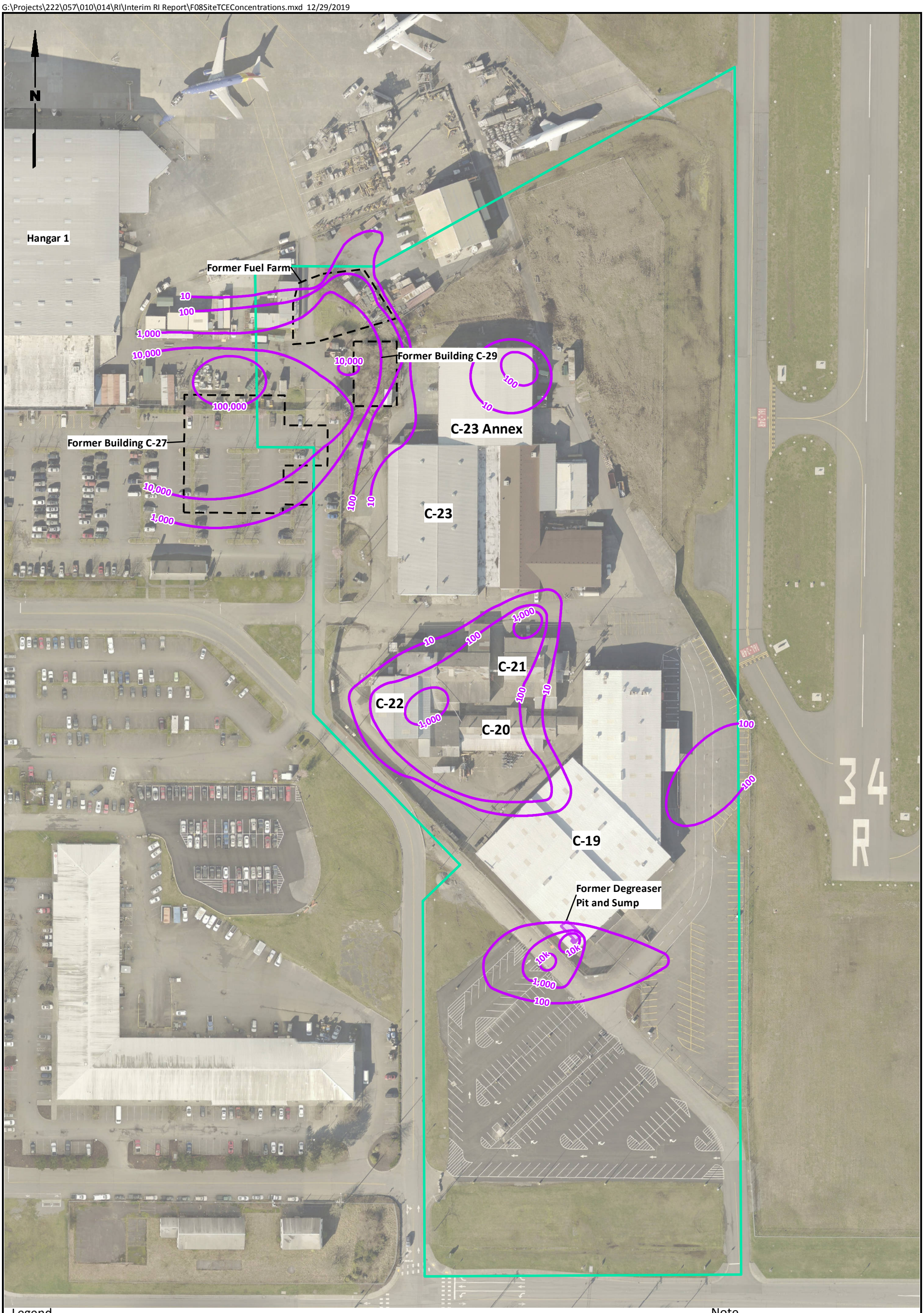
TECT Aerospace Leasehold
Everett, Washington

Former Building C-29/Former Fuel Farm Soil Gas

Figure
7h

G:\Projects\222\057\010\014\RI\Interim RI Report\F08SiteTCEConcentrations.mxd 12/29/2019



Legend

- Estimated TCE Concentrations (µg/L) in Groundwater
- Approximate Site Boundary

0 120 240

Scale in Feet

Note

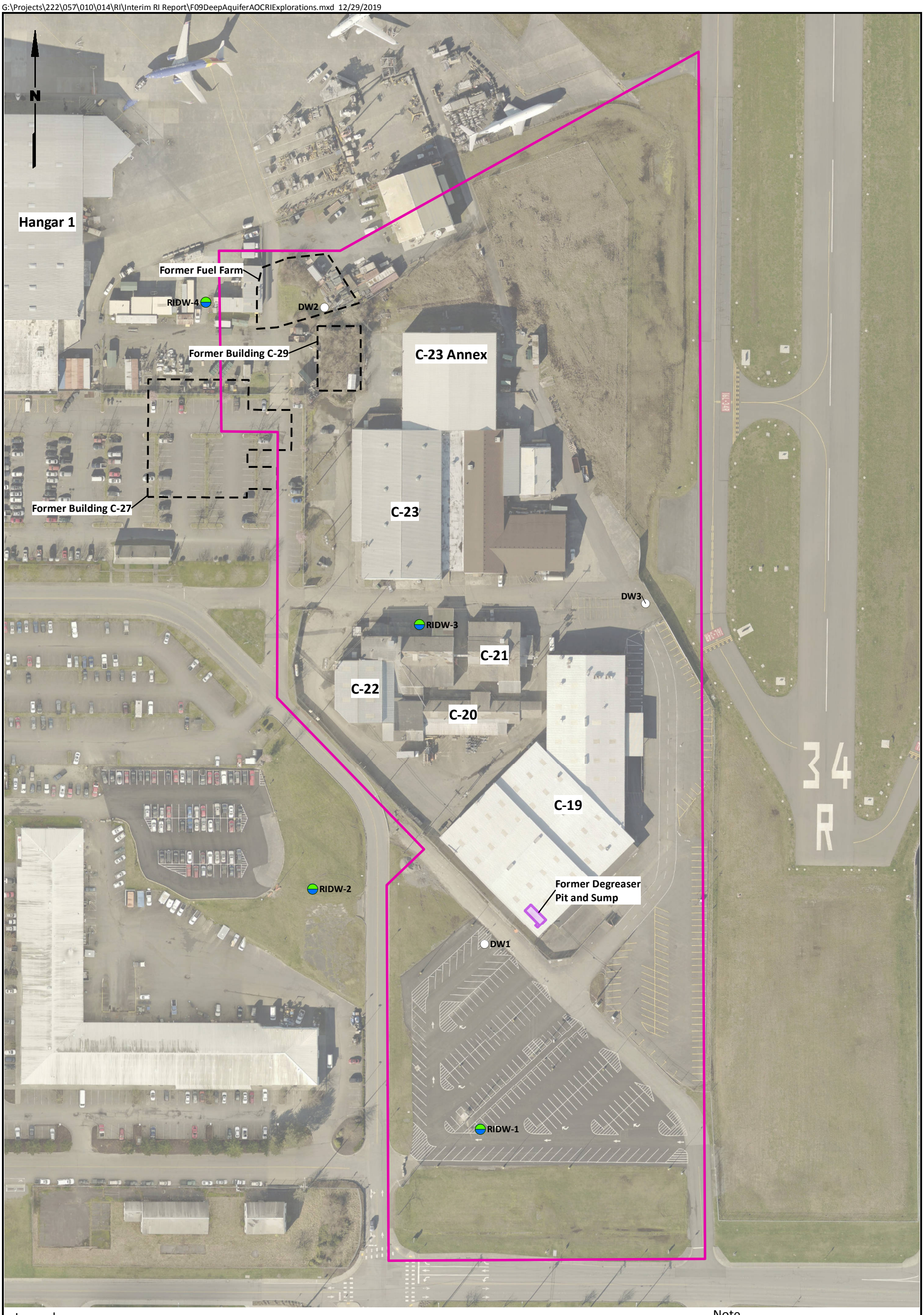
1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

LANDAU ASSOCIATES

TECT Aerospace Leasehold Everett, Washington	**TCE Concentration Contours in Shallow Groundwater**	Figure 8

G:\Projects\222\057\010\014\RI\Interim RI Report\F09DeepAquiferAOCRIExplorations.mxd 12/29/2019



Legend

- RI Soil and Groundwater Sampling Location
- Pre-RI Monitoring Well Location (Sampled During RI)
- Deep Aquifer Investigation Area

0 120 240

Scale in Feet

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

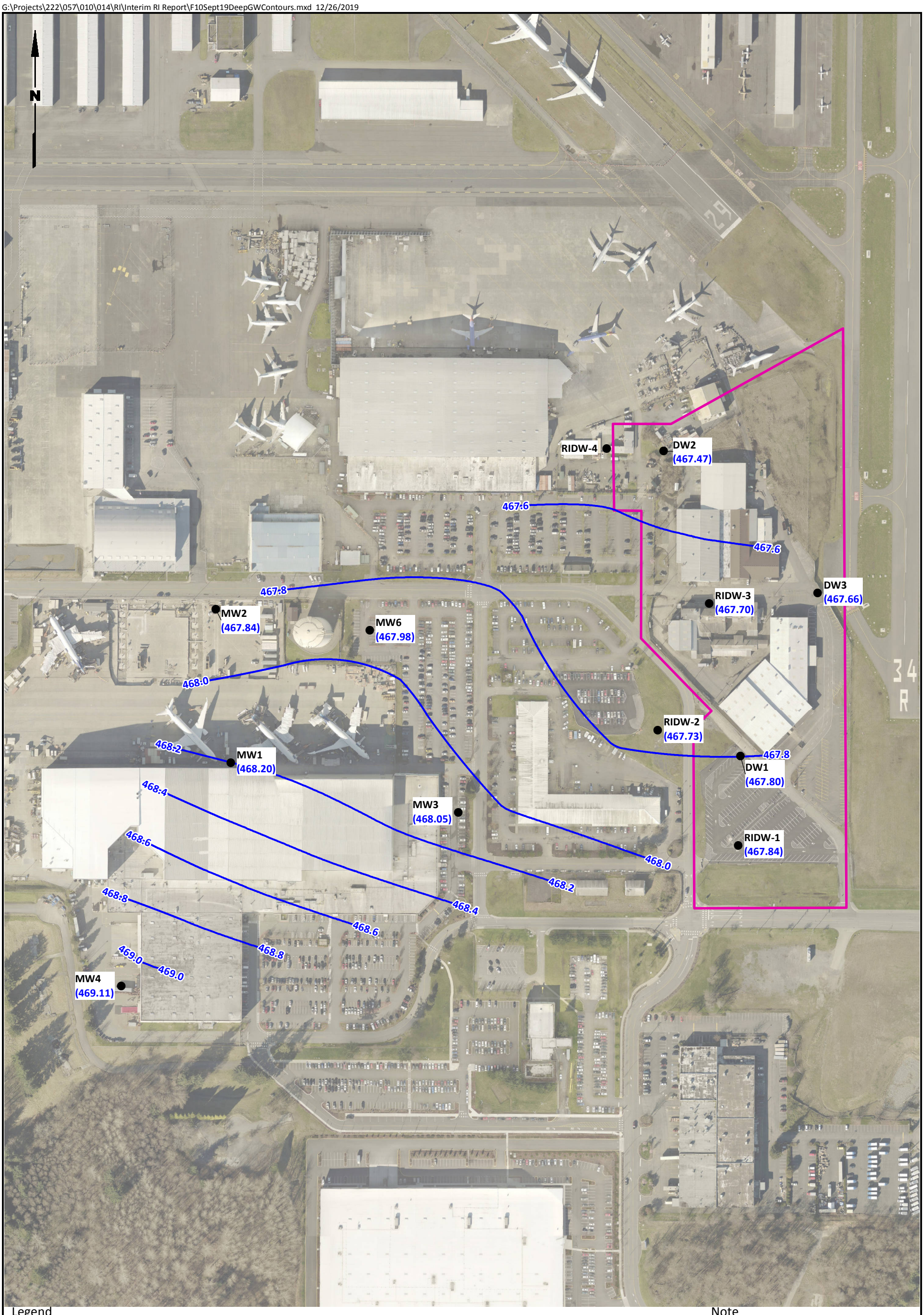
LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Deep Aquifer
RI Exploration Locations

Figure
9

G:\Projects\222\057\010\014\RI\Interim RI Report\F10Sept19DeepGWContours.mxd 12/26/2019



Legend

- Deep Aquifer Monitoring Well
- Groundwater Contours
- Deep Aquifer Investigation Area

0 250 500

Scale in Feet

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

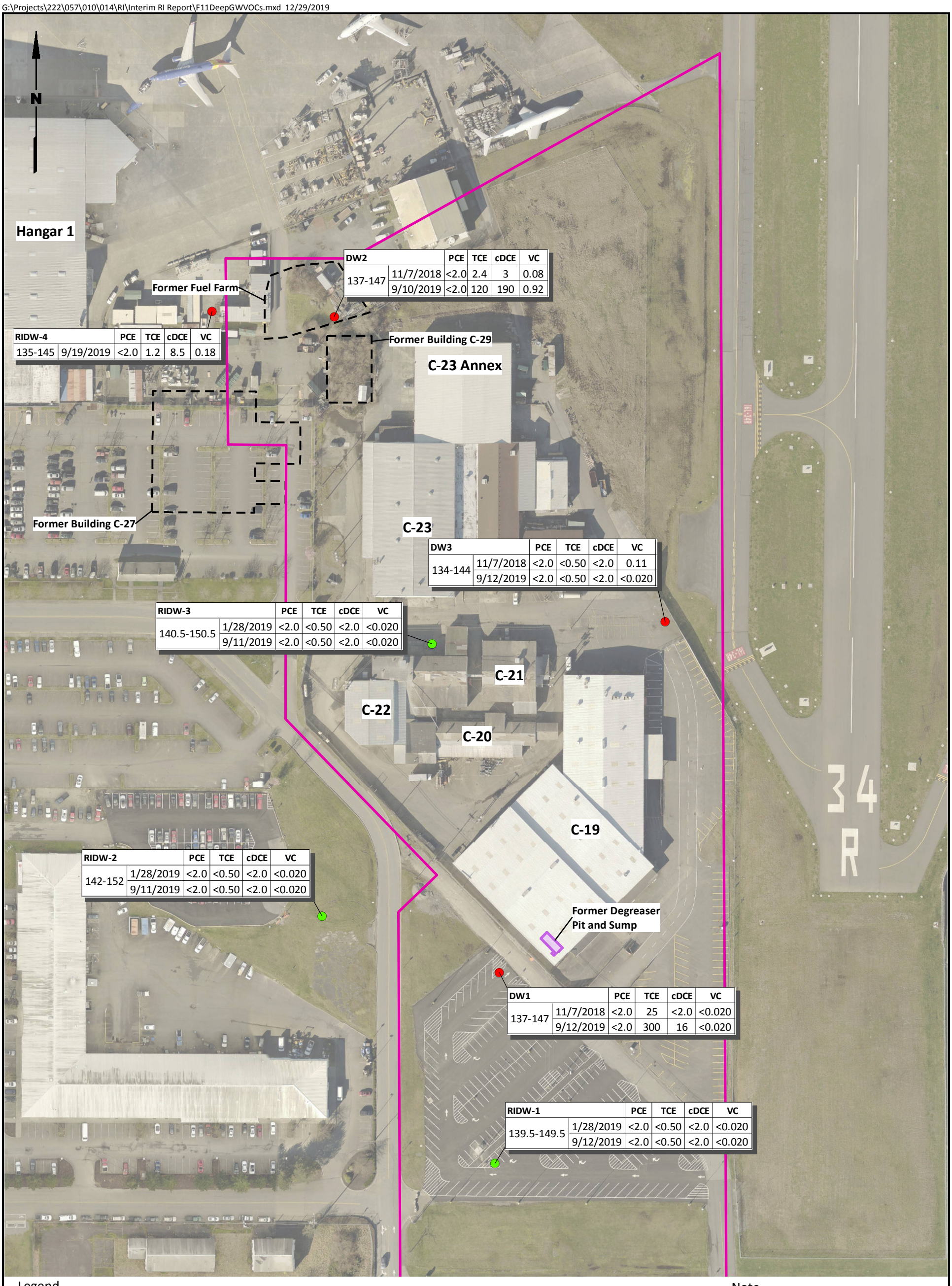
LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

September 2019
Groundwater Contours - Deep Aquifer

Figure
10

G:\Projects\222\057\010\014\RI\Interim RI Report\F11DeepGWVOCs.mxd 12/29/2019



DW2		PCE	TCE	cDCE	VC
137-147	11/7/2018	<2.0	2.4	3	0.08
	9/10/2019	<2.0	120	190	0.92

RIDW-4		PCE	TCE	cDCE	VC
135-145	9/19/2019	<2.0	1.2	8.5	0.18

DW3		PCE	TCE	cDCE	VC
134-144	11/7/2018	<2.0	<0.50	<2.0	0.11
	9/12/2019	<2.0	<0.50	<2.0	<0.020

RIDW-3		PCE	TCE	cDCE	VC
140.5-150.5	1/28/2019	<2.0	<0.50	<2.0	<0.020
	9/11/2019	<2.0	<0.50	<2.0	<0.020

RIDW-2		PCE	TCE	cDCE	VC
142-152	1/28/2019	<2.0	<0.50	<2.0	<0.020
	9/11/2019	<2.0	<0.50	<2.0	<0.020

DW1		PCE	TCE	cDCE	VC
137-147	11/7/2018	<2.0	25	<2.0	<0.020
	9/12/2019	<2.0	300	16	<0.020

RIDW-1		PCE	TCE	cDCE	VC
139.5-149.5	1/28/2019	<2.0	<0.50	<2.0	<0.020
	9/12/2019	<2.0	<0.50	<2.0	<0.020

Legend

Color Coding Key

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- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Analysis was not Conducted at this Location

- Monitoring Well
- Deep Aquifer Investigation Area

0 120 240

Scale in Feet

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only

Location		PCE (µg/L)	TCE (µg/L)	cDCE (µg/L)	VC (µg/L)
Screen Depth (ft)	Date	5	0.54	16	0.029

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

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TECT Aerospace Leasehold
Everett, Washington

Deep Aquifer VOCs in Groundwater

Figure 11

G:\Projects\222\057\010\014\RI\Interim RI Report\F12SitewideGWDioxaneTCA.mxd 12/29/2019

Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
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- Analysis was not Conducted at this Location

Sampling Locations

- Ambient Air Sampling Location
- Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Screening Levels (SLs) and Data Box Key for RI Locations Only			
Location		1,1,1-TCA (µg/L)	1,4-Dioxane (µg/L)
Screen Depth (ft)	Date		
		200	0.44

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

0 120 240

Scale in Feet

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TECT Aerospace Leasehold
Everett, Washington

1,1,1-TCA and 1,4-Dioxane in Groundwater

Figure 12

Table 1
Building C-19 Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)									General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)					
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene
				Screening Level:	7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3	0.277
RISB-01	9-10	3/27/2019	N	EV19030179-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-01	16-17	3/27/2019	N	EV19030179-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-02	11-12	3/26/2019	N	EV19030173-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-03	2-3	3/26/2019	N	EV19030173-04	**4.0**	0.50 U	**36**	--	--	**13**	**0.028**	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--
RISB-03	11-12	3/26/2019	N	EV19030173-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-03	29-30	3/26/2019	N	EV19030173-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-04	2-3	3/18/2019	N	EV19030110-04	**3.9**	0.50 U	**33**	--	--	**5.3**	**0.026**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-05	2-3	3/18/2019	N	EV19030110-01	**3.6**	0.50 U	**30**	--	--	**2.5**	**0.026**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	--	--	--	--	--	--
RISB-05	9.5-10.5	3/18/2019	N	EV19030110-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-06	2-3	3/27/2019	N	EV19030179-05	**3.9**	0.50 U	**34**	--	--	**5.5**	**0.029**	--	--	--	--	--	--	--	--	--	--	--	**37**	**210**	--	--	--	--	--	--
RISB-06	19-21	3/27/2019	N	EV19030179-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**2.6**	1.5 U	**0.15**	10 U	1.5 U
RISB-06	19-21	3/27/2019	FD	EV19030179-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**4.7**	1.5 U	0.050 U	10 U	1.5 U
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.12**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	**0.11**	10 U	1.5 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.11**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	**0.081**	10 U	1.5 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.16**	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-08	19-20	3/26/2019	N	EV19030173-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-08	29-30	3/26/2019	N	EV19030173-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-09	7-8	3/25/2019	N	EV19030160-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-09	18-19	3/25/2019	N	EV19030160-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-09	24-25	3/25/2019	N	EV19030160-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-10	7-8	3/25/2019	N	EV19030160-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-10	23-24	3/25/2019	N	EV19030160-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-10	34-34	3/25/2019	N	EV19030160-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-11	2-3	3/25/2019	N	EV19030166-01	**3.5**	0.50 U	**30**	--	--	**2.5**	**0.021**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-11	16-17	3/25/2019	N	EV19030166-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.12**	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-11	34-35	3/25/2019	N	EV19030166-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.12**	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-54	8-9	3/18/2019	N	EV19030110-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-55	7-8	3/18/2019	N	EV19030110-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**7.2**	1.5 U	0.050 U	10 U	1.5 U
RISB-56	15-16	9/3/2019	N	EV19090010-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	**10,000**	**190**	2.7 U	58 U	2.1 U
RISB-56	24-25	9/3/2019	N	EV19090010-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.7 U	**7,500**	**240**	2.3 U	49 U	1.8 U
RISB-57	7.5-8.5	9/3/2019	N	EV19090010-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-57	21.5-22.5	9/3/2019	N	EV19090010-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-58	7-8	9/3/2019	N	EV19090010-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	**4.1**	**0.41**	10 U	1.5 U
RISB-58	24-25	9/3/2019	N	EV19090010-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**890**	**10**	**0.53**	10 U	1.5 U

Table 1
Building C-19 Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																					
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzen e	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone
				Screening Level:	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000
RISB-01	9-10	3/27/2019	N	EV19030179-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-01	16-17	3/27/2019	N	EV19030179-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-02	11-12	3/26/2019	N	EV19030173-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-03	2-3	3/26/2019	N	EV19030173-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-03	11-12	3/26/2019	N	EV19030173-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-03	29-30	3/26/2019	N	EV19030173-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-04	2-3	3/18/2019	N	EV19030110-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-05	2-3	3/18/2019	N	EV19030110-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-05	9.5-10.5	3/18/2019	N	EV19030110-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-06	2-3	3/27/2019	N	EV19030179-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-06	19-21	3/27/2019	N	EV19030179-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-06	19-21	3/27/2019	FD	EV19030179-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-08	19-20	3/26/2019	N	EV19030173-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-08	29-30	3/26/2019	N	EV19030173-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-09	7-8	3/25/2019	N	EV19030160-14	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-09	18-19	3/25/2019	N	EV19030160-16	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-09	24-25	3/25/2019	N	EV19030160-15	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-10	7-8	3/25/2019	N	EV19030160-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-10	23-24	3/25/2019	N	EV19030160-12	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-10	34-34	3/25/2019	N	EV19030160-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-11	2-3	3/25/2019	N	EV19030166-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-11	16-17	3/25/2019	N	EV19030166-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-11	34-35	3/25/2019	N	EV19030166-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-54	8-9	3/18/2019	N	EV19030110-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-55	7-8	3/18/2019	N	EV19030110-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-56	15-16	9/3/2019	N	EV19090010-02	66 U	68 U	58 U	54 U	71 U	69 U	63 U	2.8 U	56 U	5.0 U	1.6 U	58 U	52 U	50 U	50 U	64 U	120 U	64 U	65 U	62 U	64 U	57 U	92 U
RISB-56	24-25	9/3/2019	N	EV19090010-03	57 U	58 U	50 U	46 U	61 U	59 U	53 U	2.4 U	48 U	5.0 U	1.5 U	49 U	44 U	50 U	42 U	54 U	100 U	54 U	56 U	53 U	55 U	48 U	78 U
RISB-57	7.5-8.5	9/3/2019	N	EV19090010-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-57	21.5-22.5	9/3/2019	N	EV19090010-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-58	7-8	9/3/2019	N	EV19090010-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-58	24-25	9/3/2019	N	EV19090010-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	**2.0**	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U

Table 1
Building C-19 Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)					
					Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
				Screening Level:	1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-01	9-10	3/27/2019	N	EV19030179-02	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-01	16-17	3/27/2019	N	EV19030179-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-02	11-12	3/26/2019	N	EV19030173-08	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-03	2-3	3/26/2019	N	EV19030173-04	--	--	--	--	--	--
RISB-03	11-12	3/26/2019	N	EV19030173-06	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-03	29-30	3/26/2019	N	EV19030173-05	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-04	2-3	3/18/2019	N	EV19030110-04	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-05	2-3	3/18/2019	N	EV19030110-01	--	--	--	--	--	--
RISB-05	9.5-10.5	3/18/2019	N	EV19030110-08	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-06	2-3	3/27/2019	N	EV19030179-05	--	--	--	--	--	--
RISB-06	19-21	3/27/2019	N	EV19030179-07	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-06	19-21	3/27/2019	FD	EV19030179-06	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-08	19-20	3/26/2019	N	EV19030173-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-08	29-30	3/26/2019	N	EV19030173-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-09	7-8	3/25/2019	N	EV19030160-14	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-09	18-19	3/25/2019	N	EV19030160-16	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-09	24-25	3/25/2019	N	EV19030160-15	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-10	7-8	3/25/2019	N	EV19030160-10	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-10	23-24	3/25/2019	N	EV19030160-12	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-10	34-34	3/25/2019	N	EV19030160-11	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-11	2-3	3/25/2019	N	EV19030166-01	--	--	--	--	--	--
RISB-11	16-17	3/25/2019	N	EV19030166-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-11	34-35	3/25/2019	N	EV19030166-02	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-54	8-9	3/18/2019	N	EV19030110-05	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-55	7-8	3/18/2019	N	EV19030110-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-56	15-16	9/3/2019	N	EV19090010-02	130 U	65 U	71 U	69 U	61 U	62 U
RISB-56	24-25	9/3/2019	N	EV19090010-03	110 U	55 U	61 U	59 U	52 U	53 U
RISB-57	7.5-8.5	9/3/2019	N	EV19090010-04	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-57	21.5-22.5	9/3/2019	N	EV19090010-05	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-58	7-8	9/3/2019	N	EV19090010-08	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-58	24-25	9/3/2019	N	EV19090010-07	1.6 U	1.5 U	10 U	10 U	10 U	10 U

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
mg/kg = milligrams per kilogram
N = primary sample
N/A = not applicable
PCBs = polychlorinated biphenyls
U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

Table 2
Building C-19 Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)							Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)			Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)						
				Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO_3)	Sulfate	GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene
			Screening Level:	5	5	100	48	100	15	2	N/A	N/A	N/A	N/A	10,000	10,000	N/A	800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795
DW1	11/7/2018	N	EV18110052-05	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	--	**1,300**	**11,000**	--	--	--	--	--	2.0 U	**25**	2.0 U	0.020 U	0.40 U	2.0 U	0.50 U
DW1	9/12/2019	N	EV19090083-02	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	**1,200**	--	**11,000**	--	--	--	--	--	2.0 U	**300**	**16**	0.020 U	--	2.0 U	0.50 U
RIGW-55	4/15/2019	N	EV19040107-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**59**	**5.0**	0.020 U	--	2.0 U	0.50 U
RIGW-55	9/5/2019	N	EV19090027-03	--	--	--	--	--	--	--	10 U	10 U	10 U	--	**5,800**	--	**7,400**	--	--	--	--	--	2.0 U	**61**	**3.9**	0.020 U	--	2.0 U	0.50 U
RISB-01	3/27/2019	N	EV19030179-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**1.3**	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-03	3/26/2019	N	EV19030173-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**1.2**	**5.9**	**0.67**	--	2.0 U	0.50 U
RISB-05	3/18/2019	N	EV19030110-03	**1.8**	1.0 U	**2.5**	10 U	**2.5**	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-06	3/27/2019	N	EV19030179-04	**1.3**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**94**	**31**	**1.2**	--	2.0 U	0.50 U
RISB-07	3/28/2019	N	EV19030195-01	1.0 U	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	**280**	**340**	--	--	2.0 U	**110**	**23**	**0.46**	--	2.0 U	0.50 U
RISB-08	3/26/2019	N	EV19030173-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-09	3/25/2019	N	EV19030160-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**5.4**	2.0 U	0.020 U	--	2.0 U	**0.74**
RISB-10	3/25/2019	N	EV19030160-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-56	9/3/2019	N	EV19090010-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**4,800**	**590**	**8.0**	--	2.0 U	0.50 U
RISB-57	9/3/2019	N	EV19090010-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**1.9**	**5.8**	**0.15**	--	2.0 U	0.50 U
RISB-58	9/3/2019	N	EV19090010-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**890**	**340**	**37**	--	**8.5**	**0.84**
SCPWD-2	11/8/2018	N	EV18110063-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**940**	**110**	**0.73**	--	2.0 U	0.50 U
SCPWD-2	9/5/2019	N	EV19090027-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**520**	**44**	**0.16**	--	2.0 U	0.50 U
SCPWD-3	11/8/2018	N	EV18110063-06	--	--	--	--	--	--	--	10 U	10 U	**30**	**3,600**	--	150 U	**12,000**	--	--	--	--	--	2.0 U	**14,000**	**840**	**9.1**	**0.44 J**	2.0 U	0.50 U
SCPWD-3	9/5/2019	N	EV19090027-01	--	--	--	--	--	--	--	10 U	10 U	**20**	**3,600**	150 U	--	**10,000**	--	--	--	--	--	2.0 U	**18,000**	**1,000**	**11**	**0.94**	2.0 U	0.50 U
SCPWD-4	11/8/2018	N	EV18110063-05	--	--	--	--	--	--	--	10 U	10 U	**20**	**2,600**	--	**440**	**10,000**	--	--	--	--	--	2.0 U	**670**	**60**	**8.1**	0.40 UJ	2.0 U	0.50 U
SCPWD-4	9/5/2019	N	EV19090027-04	--	--	--	--	--	--	--	10 U	10 U	10 U	**1,500**	**2,100**	--	**7,600**	--	--	--	--	--	2.0 U	**990**	**54**	**1.4**	--	2.0 U	0.50 U

Table 2
Building C-19 Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																												
				Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
			Screening Level:	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
DW1	11/7/2018	N	EV18110052-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	**40**	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
DW1	9/12/2019	N	EV19090083-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.3**
RIGW-55	4/15/2019	N	EV19040107-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIGW-55	9/5/2019	N	EV19090027-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-01	3/27/2019	N	EV19030179-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-03	3/26/2019	N	EV19030173-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-05	3/18/2019	N	EV19030110-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-06	3/27/2019	N	EV19030179-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-07	3/28/2019	N	EV19030195-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-08	3/26/2019	N	EV19030173-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-09	3/25/2019	N	EV19030160-13	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-10	3/25/2019	N	EV19030160-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-56	9/3/2019	N	EV19090010-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**17**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**39**
RISB-57	9/3/2019	N	EV19090010-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-58	9/3/2019	N	EV19090010-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	**9.3**	**17**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.9**
SCPWD-2	11/8/2018	N	EV18110063-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
SCPWD-2	9/5/2019	N	EV19090027-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
SCPWD-3	11/8/2018	N	EV18110063-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**33**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**54**
SCPWD-3	9/5/2019	N	EV19090027-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**34**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**53**
SCPWD-4	11/8/2018	N	EV18110063-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**3.1**	2.0 U	0.010 U	**0.14**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**20**
SCPWD-4	9/5/2019	N	EV19090027-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**2.1**	2.0 U	0.010 U	**0.031**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**7.6**

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

-- = not analyzed
µg/L = micrograms per liter
EPA = US Environmental Protection Agency
N = primary sample
N/A = not applicable
SGC = silica gel cleanup
SIM = selected ion monitoring
U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Table 3
Building C-20, C-21, C-22 Complex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)									General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)					
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene
				Screening Level:	7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3	0.277
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.12**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	**0.11**	10 U	1.5 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.11**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	**0.081**	10 U	1.5 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.16**	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-12	10-10.5	3/29/2019	N	EV19040002-01	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	--	--	--	--	--	--
RISB-12	19-20	3/29/2019	N	EV19040002-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-12	24-25	3/29/2019	N	EV19040002-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-12	41.5-42.5	4/1/2019	N	EV19040010-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-13	10-11	3/19/2019	N	EV19030128-03	**2.8**	0.50 U	**34**	--	--	**2.6**	**0.026**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	**4.2**	**40,000**	**700**	**6.9**	10 U	1.5 U
RISB-13	12.5-13	3/20/2019	N	EV19030129-04	**2.2**	0.50 U	**43**	--	--	**1.9**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	**14,000**	**420**	**1.4**	10 U	1.5 U
RISB-14	4-5	4/1/2019	FD	EV19040010-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**4.2**	1.5 U	0.050 U	10 U	1.5 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**4,400**	**2.7**	0.050 U	10 U	1.5 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**4,200**	**3.3**	**0.056**	10 U	1.5 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**1.6**	1.5 U	0.050 U	10 U	1.5 U
RISB-16	4-5	4/1/2019	N	EV19040010-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-16	19-20	4/1/2019	N	EV19040010-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-17	18-19	3/29/2019	N	EV19040002-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-17	34-35	3/29/2019	N	EV19040002-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-17	44-45	3/29/2019	N	EV19040002-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-18	2.5-3.5	3/29/2019	N	EV19030195-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-18	9-10	3/29/2019	N	EV19030195-17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**7.6**	1.5 U	**0.26**	10 U	1.5 U
RISB-18	19-20	3/29/2019	N	EV19040130-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-19	1.5-2	3/29/2019	N	EV19030195-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.0 U	6.2 U	**660**	**8.6**	80 U	2.9 U
RISB-19	8.5-9.5	3/29/2019	N	EV19030195-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.13**	--	--	--	1.5 U	**5.9**	**2.9**	**0.10**	10 U	1.5 U
RISB-19	14-15	3/29/2019	N	EV19030195-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.096**	--	--	--	1.5 U	1.5 U	1.5 U	**0.12**	10 U	1.5 U
RISB-20	6.5-7.5	3/27/2019	N	EV19030179-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-21	12.5-13.5	3/28/2019	N	EV19030195-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**9,500**	**630**	**0.81**	10 U	1.5 U
RISB-21	19-20	3/28/2019	N	EV19030195-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**5,200**	**560**	**0.76**	10 U	1.5 U
RISB-22	1-2	3/28/2019	N	EV19030195-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,400**	**1,900**	--	--	--	--	--	--
RISB-22	6.5-7.5	3/28/2019	N	EV19030195-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	**9.1**	**1.4**	10 U	1.5 U
RISB-22	19-20	3/28/2019	N	EV19030195-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U

Table 3
Building C-20, C-21, C-22 Complex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)									General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)					
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene
				Screening Level:	7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3	0.277
RISB-23	14-15	3/28/2019	N	EV19030195-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**9.2**	**4.8**	**0.071**	10 U	1.5 U
RISB-23	19-20	3/28/2019	N	EV19030195-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-24	2-3	3/20/2019	N	EV19030129-05	**3.2**	0.50 U	**28**	--	--	**2.2**	**0.026**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	**6.8**	**1.5**	**0.090**	10 U	1.5 U
RISB-25	2-3	3/20/2019	N	EV19030129-01	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-26	2-3	4/2/2019	N	EV19040019-02	**3.2**	0.50 U	**31**	--	--	**2.1**	**0.021**	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--
RISB-26	6-7	4/2/2019	N	EV19040019-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**7.4**	1.5 U	0.050 U	10 U	1.5 U
RISB-26	24-25	4/2/2019	N	EV19040019-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	**0.094**	10 U	1.5 U
RISB-27	2-3	4/2/2019	N	EV19040019-07	**3.2**	0.50 U	**39**	--	--	**3.8**	**0.027**	--	--	--	--	--	--	--	--	--	--	--	25 U	**100**	--	--	--	--	--	--
RISB-27	39-40	4/2/2019	N	EV19040019-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.11**	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-27	44-45	4/2/2019	N	EV19040019-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.11**	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-28	0.7-1.7	3/19/2019	N	EV19030128-11	**2.7**	0.50 U	**32**	--	--	**3.5**	**0.021**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	**4.2**	250 U	**7,300**	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-28	11-12	3/19/2019	N	EV19030128-06	**2.8**	0.50 U	**37**	--	--	**2.9**	**0.021**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	3.0 U	25 U	50 U	1.5 U	**28**	**23**	**0.13**	10 U	1.5 U
RISB-49	6-7	3/20/2019	N	EV19030129-03	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	**8.6**	**2.6**	**0.39**	10 U	1.5 U
RISB-49	24-25	3/20/2019	N	EV19030129-08	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-50	13.5-14.5	3/18/2019	N	EV19030110-06	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	**3,600**	**370**	**1.1**	10 U	1.5 U
RISB-50	24-25	3/18/2019	N	EV19030110-07	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**6.3**	1.5 U	**0.17**	10 U	1.5 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U

Table 3
Building C-20, C-21, C-22 Complex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																						
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride
				Screening Level:	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000	1.48
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-12	10-10.5	3/29/2019	N	EV19040002-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-12	19-20	3/29/2019	N	EV19040002-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-12	24-25	3/29/2019	N	EV19040002-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-12	41.5-42.5	4/1/2019	N	EV19040010-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-13	10-11	3/19/2019	N	EV19030128-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-13	12.5-13	3/20/2019	N	EV19030129-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	**16**	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-14	4-5	4/1/2019	FD	EV19040010-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-16	4-5	4/1/2019	N	EV19040010-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-16	19-20	4/1/2019	N	EV19040010-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-17	18-19	3/29/2019	N	EV19040002-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-17	34-35	3/29/2019	N	EV19040002-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-17	44-45	3/29/2019	N	EV19040002-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-18	2.5-3.5	3/29/2019	N	EV19030195-16	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-18	9-10	3/29/2019	N	EV19030195-17	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-18	19-20	3/29/2019	N	EV19040130-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-19	1.5-2	3/29/2019	N	EV19030195-13	92 U	94 U	81 U	74 U	99 U	96 U	87 U	3.9 U	77 U	5.0 U	2.3 U	80 U	72 U	62 U	69 U	89 U	170 U	88 U	91 U	86 U	89 U	79 U	130 U	180 U
RISB-19	8.5-9.5	3/29/2019	N	EV19030195-14	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-19	14-15	3/29/2019	N	EV19030195-15	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-20	6.5-7.5	3/27/2019	N	EV19030179-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-21	12.5-13.5	3/28/2019	N	EV19030195-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-21	19-20	3/28/2019	N	EV19030195-12	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-22	1-2	3/28/2019	N	EV19030195-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-22	6.5-7.5	3/28/2019	N	EV19030195-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-22	19-20	3/28/2019	N	EV19030195-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U

Table 3
Building C-20, C-21, C-22 Complex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																						
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride
				Screening Level:	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000	1.48
RISB-23	14-15	3/28/2019	N	EV19030195-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-23	19-20	3/28/2019	N	EV19030195-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-24	2-3	3/20/2019	N	EV19030129-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-25	2-3	3/20/2019	N	EV19030129-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-26	2-3	4/2/2019	N	EV19040019-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-26	6-7	4/2/2019	N	EV19040019-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-26	24-25	4/2/2019	N	EV19040019-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-27	2-3	4/2/2019	N	EV19040019-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-27	39-40	4/2/2019	N	EV19040019-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-27	44-45	4/2/2019	N	EV19040019-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-28	0.7-1.7	3/19/2019	N	EV19030128-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-28	11-12	3/19/2019	N	EV19030128-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-49	6-7	3/20/2019	N	EV19030129-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-49	24-25	3/20/2019	N	EV19030129-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-50	13.5-14.5	3/18/2019	N	EV19030110-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-50	24-25	3/18/2019	N	EV19030110-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U

Table 3
Building C-20, C-21, C-22 Complex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)				
					Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
				Screening Level:	7.23	236	8,000,000	8,000,000	32.5
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	1.5 U	10 U	10 U	10 U	10 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	1.5 U	10 U	10 U	10 U	10 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	1.5 U	10 U	10 U	10 U	10 U
RISB-12	10-10.5	3/29/2019	N	EV19040002-01	--	--	--	--	--
RISB-12	19-20	3/29/2019	N	EV19040002-02	1.5 U	10 U	10 U	10 U	10 U
RISB-12	24-25	3/29/2019	N	EV19040002-03	1.5 U	10 U	10 U	10 U	10 U
RISB-12	41.5-42.5	4/1/2019	N	EV19040010-01	1.5 U	10 U	10 U	10 U	10 U
RISB-13	10-11	3/19/2019	N	EV19030128-03	1.5 U	10 U	10 U	10 U	10 U
RISB-13	12.5-13	3/20/2019	N	EV19030129-04	1.5 U	10 U	10 U	10 U	10 U
RISB-14	4-5	4/1/2019	FD	EV19040010-04	1.5 U	10 U	10 U	10 U	10 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	1.5 U	10 U	10 U	10 U	10 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	1.5 U	10 U	10 U	10 U	10 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	1.5 U	10 U	10 U	10 U	10 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	1.5 U	10 U	10 U	10 U	10 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	1.5 U	10 U	10 U	10 U	10 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	1.5 U	10 U	10 U	10 U	10 U
RISB-16	4-5	4/1/2019	N	EV19040010-06	1.5 U	10 U	10 U	10 U	10 U
RISB-16	19-20	4/1/2019	N	EV19040010-07	1.5 U	10 U	10 U	10 U	10 U
RISB-17	18-19	3/29/2019	N	EV19040002-05	1.5 U	10 U	10 U	10 U	10 U
RISB-17	34-35	3/29/2019	N	EV19040002-06	1.5 U	10 U	10 U	10 U	10 U
RISB-17	44-45	3/29/2019	N	EV19040002-04	1.5 U	10 U	10 U	10 U	10 U
RISB-18	2.5-3.5	3/29/2019	N	EV19030195-16	1.5 U	10 U	10 U	10 U	10 U
RISB-18	9-10	3/29/2019	N	EV19030195-17	1.5 U	10 U	10 U	10 U	10 U
RISB-18	19-20	3/29/2019	N	EV19040130-01	1.5 U	10 U	10 U	10 U	10 U
RISB-19	1.5-2	3/29/2019	N	EV19030195-13	90 U	99 U	96 U	84 U	86 U
RISB-19	8.5-9.5	3/29/2019	N	EV19030195-14	1.5 U	10 U	10 U	10 U	10 U
RISB-19	14-15	3/29/2019	N	EV19030195-15	1.5 U	10 U	10 U	10 U	10 U
RISB-20	6.5-7.5	3/27/2019	N	EV19030179-10	1.5 U	10 U	10 U	10 U	10 U
RISB-21	12.5-13.5	3/28/2019	N	EV19030195-11	1.5 U	10 U	10 U	10 U	10 U
RISB-21	19-20	3/28/2019	N	EV19030195-12	1.5 U	10 U	10 U	10 U	10 U
RISB-22	1-2	3/28/2019	N	EV19030195-06	--	--	--	--	--
RISB-22	6.5-7.5	3/28/2019	N	EV19030195-07	1.5 U	10 U	10 U	10 U	10 U
RISB-22	19-20	3/28/2019	N	EV19030195-08	1.5 U	10 U	10 U	10 U	10 U

Table 3
Building C-20, C-21, C-22 Complex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)				
					Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
				Screening Level:	7.23	236	8,000,000	8,000,000	32.5
RISB-23	14-15	3/28/2019	N	EV19030195-09	1.5 U	10 U	10 U	10 U	10 U
RISB-23	19-20	3/28/2019	N	EV19030195-10	1.5 U	10 U	10 U	10 U	10 U
RISB-24	2-3	3/20/2019	N	EV19030129-05	1.5 U	10 U	10 U	10 U	10 U
RISB-25	2-3	3/20/2019	N	EV19030129-01	1.5 U	10 U	10 U	10 U	10 U
RISB-26	2-3	4/2/2019	N	EV19040019-02	--	--	--	--	--
RISB-26	6-7	4/2/2019	N	EV19040019-03	1.5 U	10 U	10 U	10 U	10 U
RISB-26	24-25	4/2/2019	N	EV19040019-05	1.5 U	10 U	10 U	10 U	10 U
RISB-27	2-3	4/2/2019	N	EV19040019-07	--	--	--	--	--
RISB-27	39-40	4/2/2019	N	EV19040019-10	1.5 U	10 U	10 U	10 U	10 U
RISB-27	44-45	4/2/2019	N	EV19040019-11	1.5 U	10 U	10 U	10 U	10 U
RISB-28	0.7-1.7	3/19/2019	N	EV19030128-11	1.5 U	10 U	10 U	10 U	10 U
RISB-28	11-12	3/19/2019	N	EV19030128-06	1.5 U	10 U	10 U	10 U	10 U
RISB-49	6-7	3/20/2019	N	EV19030129-03	1.5 U	10 U	10 U	10 U	10 U
RISB-49	24-25	3/20/2019	N	EV19030129-08	1.5 U	10 U	10 U	10 U	10 U
RISB-50	13.5-14.5	3/18/2019	N	EV19030110-06	1.5 U	10 U	10 U	10 U	10 U
RISB-50	24-25	3/18/2019	N	EV19030110-07	1.5 U	10 U	10 U	10 U	10 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	1.5 U	10 U	10 U	10 U	10 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	1.5 U	10 U	10 U	10 U	10 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	1.5 U	10 U	10 U	10 U	10 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	1.5 U	10 U	10 U	10 U	10 U

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

-- = not analyzed

µg/kg = micrograms per kilogram

FD = field duplicate

mg/kg = milligrams per kilogram

N = primary sample

N/A = not applicable

PCBs = polychlorinated biphenyls

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

Table 4
Building C-20, C-21, C-22 Complex Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

				Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)							Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)			Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)						
Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO_3)	Sulfate	GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene
			Screening Level:	5	5	100	48	100	15	2	N/A	N/A	N/A	N/A	10,000	10,000	N/A	800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795
RISB-07	3/28/2019	N	EV19030195-01	1.0 U	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	**280**	**340**	--	--	2.0 U	**110**	**23**	**0.46**	--	2.0 U	0.50 U
RISB-13	3/19/2019	N	EV19030128-04	**2.1**	1.0 U	**18**	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	130 U	**850**	--	--	2.0 U	**2,100**	**780**	**240**	--	2.0 U	0.50 U
RISB-14	4/1/2019	N	EV19040010-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**2.6**	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-14	4/1/2019	FD	EV19040010-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**2.7**	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-15	3/21/2019	N	EV19030147-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**250 J**	**410 J**	--	--	2.0 U	**2,000**	**71**	**0.79**	--	2.0 U	0.50 U
RISB-16	4/1/2019	N	EV19040010-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-17	3/29/2019	N	EV19030195-21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-18	3/29/2019	N	EV19030195-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**1.3**	2.0 U	**1.3**	--	2.0 U	0.50 U
RISB-20	3/27/2019	N	EV19030179-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	**0.071**	--	2.0 U	**0.68**
RISB-20	3/27/2019	FD	EV19030179-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	**0.073**	--	2.0 U	**0.71**
RISB-21	4/2/2019	N	EV19040019-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**190**	**45**	**0.54**	--	2.0 U	0.50 U
RISB-22	4/2/2019	N	EV19040019-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**3.9**	**24**	**90**	--	2.0 U	0.50 U
RISB-23	3/28/2019	N	EV19030195-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**270**	**430**	--	--	2.0 U	**63**	**15**	**0.62**	--	2.0 U	0.50 U
RISB-24	3/20/2019	N	EV19030129-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 U	**860**	--	--	2.0 U	**330**	**13**	**1.2**	--	2.0 U	0.50 U
RISB-25	3/20/2019	N	EV19030129-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**210 J**	**410**	--	--	2.0 U	**12**	**5.9**	**0.22**	--	2.0 U	0.50 U
RISB-26	4/2/2019	N	EV19040019-01	**2.3**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**24**	**18**	**0.60**	--	2.0 U	0.50 U
RISB-27	4/2/2019	N	EV19040019-06	**3.5**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**220**	**77**	**2.7**	--	2.0 U	0.50 U
RISB-28	3/19/2019	N	EV19030128-02	**1.0**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	650 U	**6,000**	--	--	2.0 U	**310**	**68**	**2.0**	--	2.0 U	0.50 U
RISB-49	3/20/2019	N	EV19030129-06	**14**	1.0 U	**2.4**	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	130 U	**1,300**	--	--	2.0 U	**430**	**150**	**7.4**	--	2.0 U	0.50 U
RISB-60	8/27/2019	N	EV19080183-03	--	--	--	--	--	--	--	10 U	10 U	**30**	**2,400**	150 U	--	**7,600**	--	--	--	--	--	2.0 U	**14**	**4.5**	**1.6**	--	2.0 U	0.50 U

Table 4
Building C-20, C-21, C-22 Complex Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																											
				Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
			Screening Level:	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
RISB-07	3/28/2019	N	EV19030195-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-13	3/19/2019	N	EV19030128-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**2.7**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	**15**	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**45**
RISB-14	4/1/2019	N	EV19040010-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-14	4/1/2019	FD	EV19040010-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-15	3/21/2019	N	EV19030147-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**2.2**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-16	4/1/2019	N	EV19040010-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	**0.81**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	**21**	2.0 U	2.0 U	2.0 U	2.0 U
RISB-17	3/29/2019	N	EV19030195-21	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	**2.9**	2.0 U	2.0 U	2.0 U	2.0 U
RISB-18	3/29/2019	N	EV19030195-19	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	**0.086**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-20	3/27/2019	N	EV19030179-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-20	3/27/2019	FD	EV19030179-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-21	4/2/2019	N	EV19040019-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	**23**	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**4.0**
RISB-22	4/2/2019	N	EV19040019-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-23	3/28/2019	N	EV19030195-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-24	3/20/2019	N	EV19030129-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-25	3/20/2019	N	EV19030129-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-26	4/2/2019	N	EV19040019-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-27	4/2/2019	N	EV19040019-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-28	3/19/2019	N	EV19030128-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**2.9**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-49	3/20/2019	N	EV19030129-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**3.4**
RISB-60	8/27/2019	N	EV19080183-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	**0.018**	**0.27**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

-- = not analyzed

µg/L = micrograms per liter

EPA = US Environmental Protection Agency

FD = field duplicate

N = primary sample

N/A = not applicable

SGC = silica gel cleanup

SIM = selected ion monitoring

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample

Table 5
Building C-23 and C-23 Annex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)									General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)				
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane
				Screening Level:	7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3
RISB-14	4-5	4/1/2019	FD	EV19040010-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**4.2**	1.5 U	0.050 U	10 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**4,400**	**2.7**	0.050 U	10 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**4,200**	**3.3**	**0.056**	10 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**1.6**	1.5 U	0.050 U	10 U
RISB-29	11-12	3/19/2019	N	EV19030128-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	**3,600**	**500**	**0.18**	10 U
RISB-29	11-12	3/19/2019	FD	EV19030128-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	**3,100**	**430**	**0.24**	10 U
RISB-29	24-25	3/19/2019	N	EV19030128-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-30	9-10	3/22/2019	N	EV19030160-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	**0.061**	10 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	**3.6**	0.50 U	**29**	--	--	**3.2**	**0.024**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.17**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.12**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.14**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-32	4-5	3/22/2019	N	EV19030150-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-32	6-7	3/22/2019	N	EV19030150-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--
RISB-32	14-15	3/22/2019	N	EV19030150-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-33	2.5-3.5	3/15/2019	N	EV19030106-10	**2.5**	0.50 U	**29**	--	--	**2.8**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-33	9-10	3/15/2019	N	EV19030106-11	**3.2**	0.50 U	**32**	--	--	**2.6**	**0.020**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-34	2-3	3/15/2019	N	EV19030106-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--
RISB-34	5-6	3/15/2019	N	EV19030106-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-35	3.5-4.5	3/14/2019	N	EV19030106-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-36	6-7	3/21/2019	N	EV19030147-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--
RISB-36	9-10	3/21/2019	N	EV19030147-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-36	19-20	3/21/2019	N	EV19030147-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-37	0.5-1.5	3/15/2019	N	EV19030106-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-37	9-10	3/15/2019	N	EV19030106-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-38	9-10	3/13/2019	N	EV19030106-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-39	11-12	3/20/2019	N	EV19030129-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-39	24-25	3/20/2019	N	EV19030129-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U

Table 5
Building C-23 and C-23 Annex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)									General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)				
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane
				Screening Level:	7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3
RISB-40	2-3	3/21/2019	N	EV19030147-03	**2.6**	0.50 U	**31**	--	--	**2.9**	**0.024**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-40	9-10	3/21/2019	N	EV19030147-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-40	19-20	3/21/2019	N	EV19030147-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**9,600**	**630**	**0.55**	10 U
RISB-47	27-28	4/5/2019	N	EV19040051-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	**2.1**	0.50 U	**31**	--	--	**1.7**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	**0.064**	3.0 U	25 U	50 U	1.5 U	**810**	**1,000**	**6.7**	10 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	**2.5**	0.50 U	**450**	--	--	**1.8**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	3.0 U	25 U	50 U	1.5 U	**2,700**	**690**	**6.1**	10 U
RISB-48	14-15	4/5/2019	N	EV19040051-10	**2.8**	0.50 U	**36**	--	--	**2.2**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	**0.092**	--	25 U	50 U	1.5 U	**1.5**	1.5 U	0.050 U	10 U
RISB-51	7.5-8.5	3/19/2019	N	EV19030128-08	**3.2**	0.50 U	**29**	--	--	**2.3**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	**0.11**	--	25 U	50 U	1.5 U	**33**	**1,100**	**1.3**	10 U
RISB-51	24-25	3/19/2019	N	EV19030128-07	**2.7**	0.50 U	**24**	--	--	**1.7**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	**0.11**	--	25 U	50 U	1.5 U	1.5 U	**9.7**	**0.38**	10 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	**3.4**	0.50 U	**36**	--	--	**3.4**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	**0.10**	10 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-53	2-3	3/14/2019	N	EV19030106-03	**2.7**	0.50 U	**34**	--	--	**2.5**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	120 U	**2,100**	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-53	9-10	3/14/2019	N	EV19030106-04	**3.1**	0.50 U	**29**	--	--	**2.3**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**6.3**	1.5 U	**0.17**	10 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-61	6.5-7.5	8/27/2019	N	EV19080191-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	**6.1**	**0.31**	10 U
RISB-61	29-30	8/27/2019	N	EV19080191-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-62	14-15	8/27/2019	N	EV19080191-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-62	24-25	8/27/2019	N	EV19080191-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-63	19-20	8/27/2019	N	EV19080191-03	**3.2**	0.50 U	**31**	5.0 U	**31**	**2.7**	**0.025**	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-63	29-30	8/27/2019	N	EV19080191-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U

Table 5
Building C-23 and C-23 Annex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																				
					Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene
				Screening Level:	0.277	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000
RISB-14	4-5	4/1/2019	FD	EV19040010-04	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-29	11-12	3/19/2019	N	EV19030128-10	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-29	11-12	3/19/2019	FD	EV19030128-09	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-29	24-25	3/19/2019	N	EV19030128-12	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-30	9-10	3/22/2019	N	EV19030160-06	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-32	4-5	3/22/2019	N	EV19030150-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-32	6-7	3/22/2019	N	EV19030150-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-32	14-15	3/22/2019	N	EV19030150-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-33	2.5-3.5	3/15/2019	N	EV19030106-10	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-33	9-10	3/15/2019	N	EV19030106-11	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-34	2-3	3/15/2019	N	EV19030106-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-34	5-6	3/15/2019	N	EV19030106-08	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-35	3.5-4.5	3/14/2019	N	EV19030106-05	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-36	6-7	3/21/2019	N	EV19030147-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-36	9-10	3/21/2019	N	EV19030147-10	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-36	19-20	3/21/2019	N	EV19030147-09	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-37	0.5-1.5	3/15/2019	N	EV19030106-06	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-37	9-10	3/15/2019	N	EV19030106-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-38	9-10	3/13/2019	N	EV19030106-01	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-39	11-12	3/20/2019	N	EV19030129-09	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-39	24-25	3/20/2019	N	EV19030129-10	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U

Table 5
Building C-23 and C-23 Annex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																				
					Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene
				Screening Level:	0.277	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000
RISB-40	2-3	3/21/2019	N	EV19030147-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-40	9-10	3/21/2019	N	EV19030147-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-40	19-20	3/21/2019	N	EV19030147-01	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-47	27-28	4/5/2019	N	EV19040051-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	**10**	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-48	14-15	4/5/2019	N	EV19040051-10	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-51	7.5-8.5	3/19/2019	N	EV19030128-08	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-51	24-25	3/19/2019	N	EV19030128-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-53	2-3	3/14/2019	N	EV19030106-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-53	9-10	3/14/2019	N	EV19030106-04	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-61	6.5-7.5	8/27/2019	N	EV19080191-08	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-61	29-30	8/27/2019	N	EV19080191-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-62	14-15	8/27/2019	N	EV19080191-06	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-62	24-25	8/27/2019	N	EV19080191-05	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-63	19-20	8/27/2019	N	EV19080191-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-63	29-30	8/27/2019	N	EV19080191-04	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U

Table 5
Building C-23 and C-23 Annex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)						
					Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
				Screening Level:	48,000,000	1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-14	4-5	4/1/2019	FD	EV19040010-04	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-29	11-12	3/19/2019	N	EV19030128-10	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**24**
RISB-29	11-12	3/19/2019	FD	EV19030128-09	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**370**
RISB-29	24-25	3/19/2019	N	EV19030128-12	50 U	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-30	9-10	3/22/2019	N	EV19030160-06	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	--	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-32	4-5	3/22/2019	N	EV19030150-03	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-32	6-7	3/22/2019	N	EV19030150-04	--	--	--	--	--	--	--
RISB-32	14-15	3/22/2019	N	EV19030150-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-33	2.5-3.5	3/15/2019	N	EV19030106-10	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-33	9-10	3/15/2019	N	EV19030106-11	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-34	2-3	3/15/2019	N	EV19030106-09	--	--	--	--	--	--	--
RISB-34	5-6	3/15/2019	N	EV19030106-08	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-35	3.5-4.5	3/14/2019	N	EV19030106-05	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-36	6-7	3/21/2019	N	EV19030147-11	--	--	--	--	--	--	--
RISB-36	9-10	3/21/2019	N	EV19030147-10	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-36	19-20	3/21/2019	N	EV19030147-09	50 U	2.0 U	1.5 U	10 U	10 U	10 U	10 U
RISB-37	0.5-1.5	3/15/2019	N	EV19030106-06	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-37	9-10	3/15/2019	N	EV19030106-07	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-38	9-10	3/13/2019	N	EV19030106-01	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-39	11-12	3/20/2019	N	EV19030129-09	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-39	24-25	3/20/2019	N	EV19030129-10	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Table 5
Building C-23 and C-23 Annex Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)						
					Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
				Screening Level:	48,000,000	1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-40	2-3	3/21/2019	N	EV19030147-03	--	--	--	--	--	--	--
RISB-40	9-10	3/21/2019	N	EV19030147-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-40	19-20	3/21/2019	N	EV19030147-01	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**10**
RISB-47	27-28	4/5/2019	N	EV19040051-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	50 U	2.2 U	1.5 U	10 U	10 U	10 U	10 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**27**
RISB-48	14-15	4/5/2019	N	EV19040051-10	50 U	**4.3**	1.5 U	10 U	10 U	10 U	10 U
RISB-51	7.5-8.5	3/19/2019	N	EV19030128-08	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**11**
RISB-51	24-25	3/19/2019	N	EV19030128-07	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-53	2-3	3/14/2019	N	EV19030106-03	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-53	9-10	3/14/2019	N	EV19030106-04	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-61	6.5-7.5	8/27/2019	N	EV19080191-08	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-61	29-30	8/27/2019	N	EV19080191-07	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-62	14-15	8/27/2019	N	EV19080191-06	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-62	24-25	8/27/2019	N	EV19080191-05	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-63	19-20	8/27/2019	N	EV19080191-03	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-63	29-30	8/27/2019	N	EV19080191-04	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

-- = not analyzed
µg/kg = micrograms per kilogram
FD = field duplicate
mg/kg = milligrams per kilogram
N = primary sample
N/A = not applicable
PCBs = polychlorinated biphenyls
U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

Table 6
Building C-23 and C-23 Annex Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)							Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)			Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)						
				Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO_3)	Sulfate	GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene
			Screening Level:	5	5	100	48	100	15	2	N/A	N/A	N/A	N/A	10,000	10,000	N/A	800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795
DW3	11/7/2018	N	EV18110052-04	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	--	**3,100**	**10,000**	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
DW3	9/12/2019	N	EV19090083-01	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	**4,800**	--	**13,000**	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-14	4/1/2019	N	EV19040010-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**2.6**	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-14	4/1/2019	FD	EV19040010-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**2.7**	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-15	3/21/2019	N	EV19030147-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**250 J**	**410 J**	--	--	2.0 U	**2,000**	**71**	**0.79**	--	2.0 U	0.50 U
RISB-29	3/19/2019	N	EV19030128-05	**3.7**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	130 U	**2,100**	--	--	2.0 U	**110**	**140**	**1.6**	--	2.0 U	0.50 U
RISB-30	3/22/2019	N	EV19030160-07	**5.8**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	**270**	250 U	--	--	2.0 U	0.50 U	**2.7**	**0.19**	--	2.0 U	0.50 U
RISB-31	4/9/2019	N	EV19040076-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	**0.089**	--	2.0 U	0.50 U
RISB-32	3/22/2019	N	EV19030150-05	**7.3**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	**130**	250 U	--	--	2.0 U	**0.87**	2.0 U	**0.099**	--	2.0 U	0.50 U
RISB-32	3/22/2019	FD	EV19030150-06	**7.5**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	130 U	250 U	--	--	2.0 U	0.50 U	2.0 U	**0.095**	--	2.0 U	0.50 U
RISB-38	3/13/2019	N	EV19030106-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	**0.79**	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-39	4/9/2019	N	EV19040076-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-40	4/1/2019	N	EV19040002-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-47	4/5/2019	N	EV19040051-01	**2.9**	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	**69**	**460**	**380**	--	--	**5.5**	**24,000**	**2,200**	**52**	--	2.0 U	**2.0**
RISB-48	4/5/2019	N	EV19040051-08	**1.9**	1.0 U	**2.6**	10 U	**2.6**	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	**3,400**	**6,500**	--	--	2.0 U	**2,300**	**3,600**	**480**	--	2.0 U	**4.0**
RISB-51	3/19/2019	N	EV19030128-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,100**	**910**	--	--	2.0 U	**20**	**390**	**8.4**	--	2.0 U	0.50 U
RISB-52	3/22/2019	N	EV19030150-01	--	--	--	--	--	--	--	10 U	10 U	**20**	**3,200**	**300**	--	**21,000**	--	**220**	**350**	--	--	2.0 U	**85**	**81**	**4.4**	--	2.0 U	**0.66**
RISB-60	8/27/2019	N	EV19080183-03	--	--	--	--	--	--	--	10 U	10 U	**30**	**2,400**	150 U	--	**7,600**	--	--	--	--	--	2.0 U	**14**	**4.5**	**1.6**	--	2.0 U	0.50 U
RISB-61	8/28/2019	N	EV19080191-11	--	--	--	--	--	--	--	10 U	10 U	**30**	**8,400**	150 U	--	**10,000**	50 U	**430**	250 U	--	--	2.0 U	0.50 U	2.0 U	**0.31**	--	2.0 U	0.50 U
RISB-61	8/28/2019	FD	EV19080191-12	--	--	--	--	--	--	--	10 U	10 U	**30**	**8,600**	150 U	--	**10,000**	50 U	**440**	250 U	--	--	2.0 U	0.50 U	2.0 U	**0.29**	--	2.0 U	0.50 U
RISB-62	8/28/2019	N	EV19080191-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 U	250 U	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-63	8/28/2019	N	EV19080191-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U

Table 6
Building C-23 and C-23 Annex Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																												
				Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
		Screening Level:	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
DW3	11/7/2018	N	EV18110052-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
DW3	9/12/2019	N	EV19090083-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-14	4/1/2019	N	EV19040010-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-14	4/1/2019	FD	EV19040010-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-15	3/21/2019	N	EV19030147-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**2.2**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-29	3/19/2019	N	EV19030128-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**39**
RISB-30	3/22/2019	N	EV19030160-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-31	4/9/2019	N	EV19040076-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-32	3/22/2019	N	EV19030150-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	**0.070**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-32	3/22/2019	FD	EV19030150-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	**0.068**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-38	3/13/2019	N	EV19030106-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-39	4/9/2019	N	EV19040076-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-40	4/1/2019	N	EV19040002-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	**200**	2.0 U	0.50 U	2.0 U	**0.64**	2.0 U	**28**	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-47	4/5/2019	N	EV19040051-01	**12**	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**67**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**320**
RISB-48	4/5/2019	N	EV19040051-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**23**	2.0 U	0.010 U	**130**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**560**
RISB-51	3/19/2019	N	EV19030128-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**55**
RISB-52	3/22/2019	N	EV19030150-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**28**
RISB-60	8/27/2019	N	EV19080183-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	**0.018**	**0.27**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-61	8/28/2019	N	EV19080191-11	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-61	8/28/2019	FD	EV19080191-12	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-62	8/28/2019	N	EV19080191-10	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-63	8/28/2019	N	EV19080191-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	**0.022**	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

-- = not analyzed

µg/L = micrograms per liter

EPA = US Environmental Protection Agency

FD = field duplicate

N = primary sample

N/A = not applicable

SGC = silica gel cleanup

SIM = selected ion monitoring

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Table 7
Former Building C-29/Former Fuel Farm Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)									General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)				
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane
				Screening Level:	7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3
RISB-30	9-10	3/22/2019	N	EV19030160-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	**0.061**	10 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	**3.6**	0.50 U	**29**	--	--	**3.2**	**0.024**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.17**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.12**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.14**	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-41	1-2	4/4/2019	N	EV19040046-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--
RISB-41	5.5-6.5	4/4/2019	N	EV19040046-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	**4.2**	1.5 U	0.050 U	10 U
RISB-41	19-20	4/4/2019	N	EV19040046-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**2.4**	1.5 U	0.050 U	10 U
RISB-42	6.5-7.5	4/3/2019	N	EV19040031-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.16**	--	--	--	1.5 U	1.5 U	**34**	**13**	10 U
RISB-42	11.5-12.5	4/3/2019	N	EV19040031-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.23**	3.0 U	25 U	50 U	1.5 U	**9.8**	**820**	**10**	10 U
RISB-42	19-20	4/3/2019	N	EV19040031-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.15**	--	--	--	1.5 U	1.5 U	1.5 U	**0.13**	10 U
RISB-43	3-4	4/4/2019	N	EV19040046-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--
RISB-43	6-7	4/4/2019	N	EV19040046-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**3.4**	1.5 U	0.050 U	10 U
RISB-43	14-15	4/4/2019	N	EV19040046-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**1.8**	1.5 U	0.050 U	10 U
RISB-44	5-6	4/5/2019	N	EV19040051-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	**71**	--	--	--	--	--
RISB-44	10.5-11.5	4/5/2019	N	EV19040051-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**7,000**	**1,400**	**4.0**	10 U
RISB-44	10.5-11.5	4/5/2019	FD	EV19040051-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**5,200**	**1,000**	**11**	10 U
RISB-44	19-20	4/5/2019	N	EV19040051-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	**11**	**13**	**0.50**	10 U
RISB-45	1.5-2	4/4/2019	N	EV19040046-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--
RISB-45	14-15	4/4/2019	N	EV19040046-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**32**	**120**	**290**	**54,000**	**230,000**	**26**	**0.25**	10 U
RISB-45	34-35	4/4/2019	N	EV19040046-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2.1**	**17**	1.5 U	0.050 U	10 U
RISB-46	3-4	4/3/2019	N	EV19040031-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--
RISB-46	7.5-8.5	4/3/2019	N	EV19040031-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10**	**3,500**	**460**	**0.75**	10 U
RISB-46	29.5-30.5	4/3/2019	N	EV19040031-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	**20**	**22**	**0.52**	10 U
RISB-46	39-40	4/3/2019	N	EV19040031-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	**0.12**	10 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**9,600**	**630**	**0.55**	10 U
RISB-47	27-28	4/5/2019	N	EV19040051-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	**2.1**	0.50 U	**31**	--	--	**1.7**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	**0.064**	3.0 U	25 U	50 U	1.5 U	**810**	**1,000**	**6.7**	10 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	**2.5**	0.50 U	**450**	--	--	**1.8**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	3.0 U	25 U	50 U	1.5 U	**2,700**	**690**	**6.1**	10 U
RISB-48	14-15	4/5/2019	N	EV19040051-10	**2.8**	0.50 U	**36**	--	--	**2.2**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	**0.092**	--	25 U	50 U	1.5 U	**1.5**	1.5 U	0.050 U	10 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	**3.4**	0.50 U	**36**	--	--	**3.4**	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	**0.10**	10 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U

Table 7
Former Building C-29/Former Fuel Farm Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)									General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)				
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane
				Screening Level:	7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3
RISB-64	10-11	8/30/2019	N	EV19080215-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	**180**	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-64	24-25	8/30/2019	N	EV19080215-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-65	5-6	8/29/2019	N	EV19080215-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**1.7**	1.5 U	0.050 U	10 U
RISB-65	19-20	8/29/2019	N	EV19080215-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U
RISB-66	9-10	8/29/2019	N	EV19080215-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	**3.0**	**3,900 J**	**480 J**	**0.58**	10 U
RISB-66	9-10	8/29/2019	FD	EV19080215-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	**2.7**	**20,000 J**	**820 J**	**0.50**	10 U
RISB-66	44-45	8/29/2019	N	EV19080215-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**6.8**	1.5 U	0.050 U	10 U
RISB-67	14-15	8/30/2019	N	EV19080222-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	**1.7**	**7,900**	**160**	**1.2**	10 U
RISB-67	54-55	8/30/2019	N	EV19080222-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	**9.8**	**2.7**	0.050 U	10 U
RISB-68	26.5-27.5	8/28/2019	N	EV19080202-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	**4.3**	**7,900**	**34 J**	**0.10**	10 U
RISB-68	49-50	8/28/2019	N	EV19080202-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U

Table 7
Former Building C-29/Former Fuel Farm Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																					
					Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene
				Screening Level:	0.277	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000
RISB-30	9-10	3/22/2019	N	EV19030160-06	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-41	1-2	4/4/2019	N	EV19040046-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-41	5.5-6.5	4/4/2019	N	EV19040046-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-41	19-20	4/4/2019	N	EV19040046-04	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-42	6.5-7.5	4/3/2019	N	EV19040031-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-42	11.5-12.5	4/3/2019	N	EV19040031-09	**2.0**	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-42	19-20	4/3/2019	N	EV19040031-08	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-43	3-4	4/4/2019	N	EV19040046-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-43	6-7	4/4/2019	N	EV19040046-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-43	14-15	4/4/2019	N	EV19040046-06	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-44	5-6	4/5/2019	N	EV19040051-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-44	10.5-11.5	4/5/2019	N	EV19040051-05	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	**20**	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-44	10.5-11.5	4/5/2019	FD	EV19040051-09	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	**3.1**	10 U	5.0 U	**120**	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-44	19-20	4/5/2019	N	EV19040051-06	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-45	1.5-2	4/4/2019	N	EV19040046-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-45	14-15	4/4/2019	N	EV19040046-11	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	**1.5**	1.5 U	10 U	5.0 U	**6.4**	**1.5**	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-45	34-35	4/4/2019	N	EV19040046-12	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-46	3-4	4/3/2019	N	EV19040031-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-46	7.5-8.5	4/3/2019	N	EV19040031-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-46	29.5-30.5	4/3/2019	N	EV19040031-04	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	**1.8**	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-46	39-40	4/3/2019	N	EV19040031-05	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-47	27-28	4/5/2019	N	EV19040051-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	**10**	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-48	14-15	4/5/2019	N	EV19040051-10	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U

Table 7
Former Building C-29/Former Fuel Farm Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																					
					Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene
				Screening Level:	0.277	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000
RISB-64	10-11	8/30/2019	N	EV19080215-11	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-64	24-25	8/30/2019	N	EV19080215-10	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-65	5-6	8/29/2019	N	EV19080215-06	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-65	19-20	8/29/2019	N	EV19080215-07	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-66	9-10	8/29/2019	N	EV19080215-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	**2.8**	**2.8**	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-66	9-10	8/29/2019	FD	EV19080215-04	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	**2.1**	**2.3**	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-66	44-45	8/29/2019	N	EV19080215-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-67	14-15	8/30/2019	N	EV19080222-03	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	**1.7**	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-67	54-55	8/30/2019	N	EV19080222-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-68	26.5-27.5	8/28/2019	N	EV19080202-01	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	**2.8**	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U
RISB-68	49-50	8/28/2019	N	EV19080202-02	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U

Table 7
Former Building C-29/Former Fuel Farm Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)						
					Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
				Screening Level:	48,000,000	1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-30	9-10	3/22/2019	N	EV19030160-06	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	--	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-41	1-2	4/4/2019	N	EV19040046-01	--	--	--	--	--	--	--
RISB-41	5.5-6.5	4/4/2019	N	EV19040046-03	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-41	19-20	4/4/2019	N	EV19040046-04	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-42	6.5-7.5	4/3/2019	N	EV19040031-07	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-42	11.5-12.5	4/3/2019	N	EV19040031-09	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-42	19-20	4/3/2019	N	EV19040031-08	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-43	3-4	4/4/2019	N	EV19040046-05	--	--	--	--	--	--	--
RISB-43	6-7	4/4/2019	N	EV19040046-07	50 U	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-43	14-15	4/4/2019	N	EV19040046-06	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-44	5-6	4/5/2019	N	EV19040051-07	--	--	--	--	--	--	--
RISB-44	10.5-11.5	4/5/2019	N	EV19040051-05	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**37**
RISB-44	10.5-11.5	4/5/2019	FD	EV19040051-09	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**300**
RISB-44	19-20	4/5/2019	N	EV19040051-06	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-45	1.5-2	4/4/2019	N	EV19040046-09	--	--	--	--	--	--	--
RISB-45	14-15	4/4/2019	N	EV19040046-11	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-45	34-35	4/4/2019	N	EV19040046-12	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-46	3-4	4/3/2019	N	EV19040031-03	--	--	--	--	--	--	--
RISB-46	7.5-8.5	4/3/2019	N	EV19040031-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-46	29.5-30.5	4/3/2019	N	EV19040031-04	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-46	39-40	4/3/2019	N	EV19040031-05	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**10**
RISB-47	27-28	4/5/2019	N	EV19040051-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	50 U	2.2 U	1.5 U	10 U	10 U	10 U	10 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	50 U	1.5 U	1.5 U	10 U	10 U	10 U	**27**
RISB-48	14-15	4/5/2019	N	EV19040051-10	50 U	**4.3**	1.5 U	10 U	10 U	10 U	10 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Table 7
Former Building C-29/Former Fuel Farm Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)						
					Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
				Screening Level:	48,000,000	1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-64	10-11	8/30/2019	N	EV19080215-11	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-64	24-25	8/30/2019	N	EV19080215-10	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-65	5-6	8/29/2019	N	EV19080215-06	50 U	2.0 U	1.5 U	10 U	10 U	10 U	10 U
RISB-65	19-20	8/29/2019	N	EV19080215-07	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-66	9-10	8/29/2019	N	EV19080215-03	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-66	9-10	8/29/2019	FD	EV19080215-04	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-66	44-45	8/29/2019	N	EV19080215-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-67	14-15	8/30/2019	N	EV19080222-03	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-67	54-55	8/30/2019	N	EV19080222-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-68	26.5-27.5	8/28/2019	N	EV19080202-01	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-68	49-50	8/28/2019	N	EV19080202-02	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

-- = not analyzed

µg/kg = micrograms per kilogram

FD = field duplicate

mg/kg = milligrams per kilogram

N = primary sample

N/A = not applicable

PCBs = polychlorinated biphenyls

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

Table 8
Former Building C-29/Former Fuel Farm Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)							Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)			Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)						
				Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO_3)	Sulfate	GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene
			Screening Level:	5	5	100	48	100	15	2	N/A	N/A	N/A	N/A	10,000	10,000	N/A	800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795
C29-MW1	11/8/2018	N	EV18110063-02	**4.2**	1.0 U	**2.1**	--	--	1.0 U	0.20 U	10 U	**50**	**110**	**7,700**	--	150 U	**33,000**	**160**	**1,400**	**450 J**	--	--	2.0 U	**12,000**	**8,300**	**1,300**	--	2.0 U	**3.4**
C29-MW1	8/29/2019	N	EV19080210-02	**9.4**	1.0 U	2.0 U	10 UJ	--	1.0 U	0.20 U	10 U	**30**	**140**	**6,900**	150 UJ	--	**38,000**	**170 J**	**720**	**600**	--	--	2.0 U	**15,000**	**11,000**	**940**	--	2.0 U	**9.1**
C29-MW2	11/8/2018	N	EV18110063-04	**2.9**	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	**160**	250 U	--	--	2.0 U	**85**	**99**	**0.24**	--	2.0 U	0.50 U
C29-MW2	9/5/2019	N	EV19090027-05	**2.9**	1.0 U	2.0 U	10 U	--	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	130 U	250 U	--	--	2.0 U	**250**	**230**	**0.27**	--	2.0 U	0.50 U
DW2	11/7/2018	N	EV18110052-03	--	--	--	--	--	--	--	10 U	10 U	10 U	**1,400**	--	**1,400**	**12,000**	--	--	--	--	--	2.0 U	**2.4**	**3.0**	0.020 U	**1.8**	2.0 U	0.50 U
DW2	11/7/2018	FD	EV18110052-02	--	--	--	--	--	--	--	10 U	10 U	10 U	**1,500**	--	**1,500**	**14,000**	--	--	--	--	--	2.0 U	**2.4**	**3.1**	0.020 U	**1.6**	2.0 U	0.50 U
DW2	9/10/2019	N	EV19090062-02	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	**1,400**	--	**18,000**	--	--	--	--	--	2.0 U	**120**	**190 J**	**0.92 J**	0.40 U	2.0 U	0.50 U
DW2	9/10/2019	FD	EV19090062-01	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	**1,400**	--	**19,000**	--	--	--	--	--	2.0 U	**100**	**66 J**	**0.41 J**	0.40 U	2.0 U	0.50 U
HMB1	11/8/2018	N	EV18110063-01	**25**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	**230**	250 U	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
HMB1	8/29/2019	N	EV19080210-03	**17**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	**150**	**390**	--	--	2.0 U	**0.72**	2.0 U	0.020 U	--	2.0 U	0.50 U
MW1	11/5/2018	N	EV18110034-01	**14**	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	**270**	250 U	--	--	2.0 U	**3,000**	**5,500**	**160**	--	2.0 U	**42**
MW1	8/30/2019	N	EV19080221-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50 U	130 U	**360**	--	--	2.0 U	**3,900**	**5,300**	**120**	**190**	2.0 U	**36**
MW2	11/5/2018	N	EV18110034-02	**12**	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	10 U	**50**	**200**	**2,000**	--	150 U	**27,000**	50 U	130 U	250 U	--	--	2.0 U	**36**	**330**	**66**	--	2.0 U	**2.8**
MW2	8/30/2019	N	EV19080210-05	**7.5**	1.0 U	2.0 U	10 U	--	1.0 U	0.20 U	10 U	10 U	**230**	**1,700**	150 UJ	--	**30,000**	50 U	130 U	250 U	--	--	2.0 U	**22**	**230**	**53**	--	2.0 U	**3.2**
MW3	11/5/2018	N	EV18110034-03	**2.7**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	**820**	**270**	250 U	--	--	2.0 U	**150**	**1,300**	**1,400**	--	2.0 U	**21 J**
MW3	8/30/2019	N	EV19080221-01	**2.5**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	**950**	**140**	**300**	--	--	2.0 U	**890**	**2,300**	**1,500**	--	2.0 U	**16 J**
MW4	11/7/2018	N	EV18110052-01	**6.9**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	10 U	10 U	**540**	**4,200**	--	150 U	**40,000**	**270**	**490**	250 U	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	**3.3 J**
MW4	8/30/2019	N	EV19080210-07	**2.8**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	10 U	**20**	**1,500**	**5,700**	150 UJ	--	**4,800**	**690**	**800**	**350 J**	--	--	2.0 U	**2.6 J**	2.0 U	**0.50 J**	--	2.0 U	**8.5 J**
MW4	8/30/2019	FD	EV19080210-06	**2.8**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	10 U	10 U	**1,400**	**5,700**	150 UJ	--	**5,100**	**700**	**860**	**610 J**	--	--	2.0 U	**3.7 J**	2.0 U	**0.54 J**	--	2.0 U	**8.5 J**
RISB-30	3/22/2019	N	EV19030160-07	**5.8**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	**270**	250 U	--	--	2.0 U	0.50 U	**2.7**	**0.19**	--	2.0 U	0.50 U
RISB-31	4/9/2019	N	EV19040076-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	**0.089**	--	2.0 U	0.50 U
RISB-41	4/4/2019	N	EV19040046-02	**6.0**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	**150**	250 U	--	--	2.0 U	0.50 U	2.0 U	**0.11**	--	2.0 U	0.50 U
RISB-42	4/3/2019	N	EV19040031-06	**1.3**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	**110**	260 U	**1,900**	--	--	2.0 U	**19**	**1100**	**590**	--	2.0 U	**15**
RISB-43	4/4/2019	N	EV19040046-08	**7.8**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	130 U	250 U	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U
RISB-44	4/5/2019	N	EV19040051-04	**5.7**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	**260**	250 U	--	--	2.0 U	**1,100**	**1,700**	**73**	--	2.0 U	0.50 U
RISB-45	4/4/2019	N	EV19040046-10	**2.9**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	**6,800**	**2,200**	**5,000**	--	--	**9,700**	**340,000**	**2,600**	**110**	--	**28**	**1.1**
RISB-45	4/4/2019	FD	EV19040046-13	**2.9**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	**6,600**	**1,700**	**4,100**	--	--	**9,400**	**340,000**	**2,800**	**110**	--	**30**	0.50 U
RISB-46	4/3/2019	N	EV19040031-01	1.0 U	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	**140**	**690**	**1,500**	--	--	**250**	**17,000**	**5,100**	**85**	--	**15**	**0.51**
RISB-47	4/5/2019	N	EV19040051-01	**2.9**	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	**69**	**460**	**380**	--	--	**5.5**	**24,000**	**2,200**	**52**	--	2.0 U	**2.0**
RISB-48	4/5/2019	N	EV19040051-08	**1.9**	1.0 U	**2.6**	10 U	**2.6**	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	**3,400**	**6,500**	--	--	2.0 U	**2,300**	**3,600**	**480**	--	2.0 U	**4.0**
RISB-52	3/22/2019	N	EV19030150-01	--	--	--	--	--	--	--	10 U	10 U	**20**	**3,200**	**300**	--	**21,000**	--	**220**	**350**	--	--	2.0 U	**85**	**81**	**4.4**	--	2.0 U	**0.66**
RISB-64	8/30/2019	N	EV19080215-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50 U	**240**	250 U	--	--	2.0 U	**18**	2.0 U	**0.058**	--	2.0 U	0.50 U
RISB-65	8/29/2019	N	EV19080215-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50 U	**140**	250 U	--	--	2.0 U	**160**	**26**	**1.8**	--	2.0 U	0.50 U
RISB-66	8/29/2019	N	EV19080215-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**500 J**	**600**	**530**	--	--	**210**	**71,000**	**13,000**	**270**	--	**150**	5.0 U
RISB-67	8/30/2019	N	EV19080222-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**96 J**	**250**	250 U	--	--	**36**	**49,000**	**4,300**	**200**	--	**3.7**	**0.65**

Table 8
Former Building C-29/Former Fuel Farm Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)							Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)			Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)						
				Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO_3)	Sulfate	GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene
			Screening Level:	5	5	100	48	100	15	2	N/A	N/A	N/A	N/A	10,000	10,000	N/A	800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795
SCPWD-1	11/8/2018	N	EV18110063-03	**7.7**	**1.7**	2.0 U	--	--	1.0 U	0.20 U	10 U	**50**	**290**	**4,900**	--	150 U	**8,600**	50 U	**390 J**	**510**	130 U	**380**	2.0 U	**6,600**	**7,300**	**1,500**	--	2.0 U	**3.7**
SCPWD-1	8/29/2019	N	EV19080210-01	**7.6**	1.0 U	2.0 U	--	--	1.0 U	0.20 U	10 U	**23**	**70**	500 U	150 UJ	--	**8,800**	50 U	**260**	250 U	--	--	2.0 U	**10,000**	**9,600**	**1,600**	--	2.0 U	**4.7**

Table 8
Former Building C-29/Former Fuel Farm Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																												
				Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
			Screening Level:	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
C29-MW1	11/8/2018	N	EV18110063-02	**3.9**	2.0 U	**2.8**	0.50 U	0.50 U	0.50 U	2.0 U	**71**	2.0 U	0.010 U	**1.5**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**220**
C29-MW1	8/29/2019	N	EV19080210-02	**5.8**	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**95**	2.0 U	0.010 U	**2.3**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 UJ	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**350**
C29-MW2	11/8/2018	N	EV18110063-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**4.9**
C29-MW2	9/5/2019	N	EV19090027-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**3.3**
DW2	11/7/2018	N	EV18110052-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**15**	2.0 U	**2.0**	2.0 U	0.010 U	**6.1**	**4.6**	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	**0.67**	2.0 U	10 U	5.0 U	**2.9**	2.0 U	2.0 U	2.0 U	2.0 U
DW2	11/7/2018	FD	EV18110052-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**15**	2.0 U	2.0 U	2.0 U	0.010 U	**6.0**	**4.5**	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	**0.65**	2.0 U	10 U	5.0 U	**2.8**	2.0 U	2.0 U	2.0 U	2.0 U
DW2	9/10/2019	N	EV19090062-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**6.8 J**	2.0 U	2.0 U	2.0 U	0.010 U	**4.2 J**	**3.0 J**	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 UJ	**16**	2.0 U	2.0 U	2.0 U	**16 J**
DW2	9/10/2019	FD	EV19090062-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**3.7 J**	2.0 U	2.0 U	2.0 U	0.010 U	**2.1 J**	**1.6 J**	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 UJ	**15**	2.0 U	2.0 U	2.0 U	**5.3 J**
HMB1	11/8/2018	N	EV18110063-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
HMB1	8/29/2019	N	EV19080210-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
MW1	11/5/2018	N	EV18110034-01	**2.8**	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**24**	2.0 U	0.010 U	**8.4**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**520**
MW1	8/30/2019	N	EV19080221-02	**2.8**	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**24**	2.0 U	0.010 U	**6.8**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**430**
MW2	11/5/2018	N	EV18110034-02	2.0 U	**4.7**	**2.3**	0.50 U	0.50 U	0.50 U	2.0 U	**2.0**	2.0 U	0.010 U	**2.1**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**68**
MW2	8/30/2019	N	EV19080210-05	2.0 U	**3.9**	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	**1.1**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**24**
MW3	11/5/2018	N	EV18110034-03	**24 J**	**110**	**11 J**	0.50 U	0.50 U	0.50 U	2.0 U	**11 J**	**13 J**	0.010 U	**7.8 J**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	**25 J**	10 U	5.0 U	2.0 U	2.0 U	**5.0 J**	2.0 U	**220**
MW3	8/30/2019	N	EV19080221-01	**19 J**	**100**	**8.4 J**	0.50 U	0.50 U	0.50 U	2.0 U	**19 J**	**6.1 J**	0.010 U	**7.7 J**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	**28 J**	10 U	5.0 U	2.0 U	2.0 U	**8.0 J**	2.0 U	**230**
MW4	11/7/2018	N	EV18110052-01	2.0 U	**11 J**	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	**13 J**	10 U	5.0 U	2.0 U	**2.8 J**	**3.8 J**	2.0 U	2.0 U
MW4	8/30/2019	N	EV19080210-07	2.0 U	**39 J**	**3.1 J**	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	**0.26 J**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	**23 J**	10 U	5.0 U	2.0 U	**2.9 J**	**8.1 J**	2.0 U	2.0 U
MW4	8/30/2019	FD	EV19080210-06	2.0 U	**27 J**	**3.3 J**	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	**0.26 J**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	**24 J**	10 U	5.0 U	2.0 U	**3.1 J**	**8.4 J**	2.0 U	2.0 U
RISB-30	3/22/2019	N	EV19030160-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-31	4/9/2019	N	EV19040076-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-41	4/4/2019	N	EV19040046-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-42	4/3/2019	N	EV19040031-06	**12**	**18**	**3.1**	0.50 U	0.50 U	0.50 U	2.0 U	**3.5**	2.0 U	0.010 U	**5.2**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	**3.2**	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**110**
RISB-43	4/4/2019	N	EV19040046-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-44	4/5/2019	N	EV19040051-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**6.2**	2.0 U	0.010 U	**40**	**0.53**	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**120**
RISB-45	4/4/2019	N	EV19040046-10	**38**	**4.9**	**29**	0.50 U	0.50 U	0.50 U	**71**	**190**	**2.2**	0.010 U	**290**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	**2.3**	2.0 U	2.0 U	**82**
RISB-45	4/4/2019	FD	EV19040046-13	**40**	**5.1**	**30**	0.50 U	0.50 U	0.50 U	**72**	**200**	**2.2**	0.010 U	**290**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	**2.3**	2.0 U	2.0 U	**72**
RISB-46	4/3/2019	N	EV19040031-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	**11**	**30**	2.0 U	0.010 U	**14**	**0.78**	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**46**
RISB-47	4/5/2019	N	EV19040051-01	**12**	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**67**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**320**
RISB-48	4/5/2019	N	EV19040051-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**23**	2.0 U	0.010 U	**130**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**560**
RISB-52	3/22/2019	N	EV19030150-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**28**
RISB-64	8/30/2019	N	EV19080215-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-65	8/29/2019	N	EV19080215-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	**8.3**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-66	8/29/2019	N	EV19080215-01	20 U	20 U	20 U	5.0 U	5.0 U	5.0 U	**200**	**190**	20 U	0.10 U	**1.7**	5.0 U	20 U	100 U	20 U	100 U	250 U	20 U	5.0 U	20 U	5.0 U	20 U	100 U	50 U	20 U	20 U	20 U	20 U	**78**
RISB-67	8/30/2019	N	EV19080222-01	**2.3**	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	**190**	**97**	2.0 U	0.010 U	**0.69**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	**3.7**	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**41**

Table 8
Former Building C-29/Former Fuel Farm Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																												
				Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
			Screening Level:	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
SCPWD-1	11/8/2018	N	EV18110063-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**58**	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**180**
SCPWD-1	8/29/2019	N	EV19080210-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	**66**	2.0 U	0.010 U	**0.17**	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**180**

Notes:

Bold text indicates detected analyte

Green shading indicates detected analyte exceeds applicable cleanup level

Acronyms/Abbreviations:

-- = not analyzed
µg/L = micrograms per liter
EPA = US Environmental Protection Agency
FD = field duplicate
N = primary sample
N/A = not applicable
SGC = silica gel cleanup
SIM = selected ion monitoring
U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Table 9
Deep Aquifer Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	General Chemistry (%; ASTM D4129-05M)	Volatile Organic Compounds (µg/kg; SW-846 8260C)																				
					Total Organic Carbon	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone
				Screening Level:	N/A	2.76	0.206	5.15	0.0089	84.3	0.277	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000
RIDW-1	23-25	12/3/2018	N	EV18120030-01	--	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 U	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ
RIDW-1	49-50	12/3/2018	N	EV18120030-02	**0.11**	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 U	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ
RIDW-1	49-50	12/3/2018	FD	EV18120030-03	**0.11**	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 U	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ
RIDW-1	57.5-60	12/5/2018	N	EV18120030-04	--	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 U	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ
RIDW-1	81.5-82.5	12/5/2018	N	EV18120030-05	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-1	105-107.5	12/5/2018	N	EV18120030-06	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-1	135-137.5	12/6/2018	N	EV18120030-07	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-1	142.5-145	12/6/2018	N	EV18120030-09	**0.059**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-2	20-22.5	12/7/2018	N	EV18120035-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	37.5-40	12/7/2018	N	EV18120035-03	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	50-52	12/7/2018	N	EV18120035-02	**0.12**	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	90-92	12/8/2018	N	EV18120035-04	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	105-107.5	12/8/2018	N	EV18120038-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	125-127.5	12/10/2018	N	EV18120038-03	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	145-147.5	12/10/2018	N	EV18120038-04	0.050 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-3	12.5-15	12/11/2018	N	EV18120077-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	45-47.5	12/11/2018	N	EV18120077-02	**0.087**	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	70-72.5	12/12/2018	N	EV18120077-03	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	95-97.5	12/12/2018	N	EV18120077-04	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	110-112.5	12/12/2018	N	EV18120077-05	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	130-132.5	12/13/2018	N	EV18120077-06	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	132.5-135	12/13/2018	N	EV18120077-07	0.050 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-4	24-25	9/4/2019	N	EV19090021-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-4	66-67	9/5/2019	N	EV19090034-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-4	126-127	9/5/2019	N	EV19090034-02	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U

Table 9
Deep Aquifer Soil Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)												
					Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
				Screening Level:	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000	1.48	7.23	236	8,000,000	8,000,000	32.5
RIDW-1	23-25	12/3/2018	N	EV18120030-01	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.6 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RIDW-1	49-50	12/3/2018	N	EV18120030-02	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.5 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RIDW-1	49-50	12/3/2018	FD	EV18120030-03	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.5 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RIDW-1	57.5-60	12/5/2018	N	EV18120030-04	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.5 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RIDW-1	81.5-82.5	12/5/2018	N	EV18120030-05	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-1	105-107.5	12/5/2018	N	EV18120030-06	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-1	135-137.5	12/6/2018	N	EV18120030-07	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-1	142.5-145	12/6/2018	N	EV18120030-09	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-2	20-22.5	12/7/2018	N	EV18120035-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	37.5-40	12/7/2018	N	EV18120035-03	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	50-52	12/7/2018	N	EV18120035-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	90-92	12/8/2018	N	EV18120035-04	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	105-107.5	12/8/2018	N	EV18120038-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	125-127.5	12/10/2018	N	EV18120038-03	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	145-147.5	12/10/2018	N	EV18120038-04	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-3	12.5-15	12/11/2018	N	EV18120077-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	45-47.5	12/11/2018	N	EV18120077-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	70-72.5	12/12/2018	N	EV18120077-03	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	95-97.5	12/12/2018	N	EV18120077-04	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	2.0 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	110-112.5	12/12/2018	N	EV18120077-05	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	130-132.5	12/13/2018	N	EV18120077-06	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	132.5-135	12/13/2018	N	EV18120077-07	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-4	24-25	9/4/2019	N	EV19090021-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-4	66-67	9/5/2019	N	EV19090034-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-4	126-127	9/5/2019	N	EV19090034-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

-- = not analyzed

µg/kg = micrograms per kilogram

FD = field duplicate

N = primary sample

N/A = not applicable

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 10
Deep Aquifer Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																				
				Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO_3)	Sulfate	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone
			Screening Level:	N/A	N/A	N/A	N/A	10,000	10,000	N/A	5	0.54	16	0.029	0.44	200	0.795	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A
DW1	11/7/2018	N	EV18110052-05	10 U	10 U	10 U	1,000 U	--	**1,300**	**11,000**	2.0 U	**25**	2.0 U	0.020 U	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
DW1	9/12/2019	N	EV19090083-02	10 U	10 U	10 U	1,000 U	**1,200**	--	**11,000**	2.0 U	**300**	**16**	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
DW2	11/7/2018	N	EV18110052-03	10 U	10 U	10 U	**1,400**	--	**1,400**	**12,000**	2.0 U	**2.4**	**3.0**	0.020 U	**1.8**	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**15**	2.0 U	**2.0**	2.0 U	0.010 U	**6.1**	**4.6**	2.0 U	10 U
DW2	11/7/2018	FD	EV18110052-02	10 U	10 U	10 U	**1,500**	--	**1,500**	**14,000**	2.0 U	**2.4**	**3.1**	0.020 U	**1.6**	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**15**	2.0 U	2.0 U	2.0 U	0.010 U	**6.0**	**4.5**	2.0 U	10 U
DW2	9/10/2019	N	EV19090062-02	10 U	10 U	10 U	1,000 U	**1,400**	--	**18,000**	2.0 U	**120**	**190 J**	**0.92 J**	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**6.8 J**	2.0 U	2.0 U	2.0 U	0.010 U	**4.2 J**	**3.0 J**	2.0 U	10 U
DW2	9/10/2019	FD	EV19090062-01	10 U	10 U	10 U	1,000 U	**1,400**	--	**19,000**	2.0 U	**100**	**66 J**	**0.41 J**	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**3.7 J**	2.0 U	2.0 U	2.0 U	0.010 U	**2.1 J**	**1.6 J**	2.0 U	10 U
DW3	11/7/2018	N	EV18110052-04	10 U	10 U	10 U	1,000 U	--	**3,100**	**10,000**	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
DW3	9/12/2019	N	EV19090083-01	10 U	10 U	10 U	1,000 U	**4,800**	--	**13,000**	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RIDW-1	1/28/2019	N	EV19010151-04	10 U	10 U	10 U	**4,300**	--	150 U	**13,000**	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RIDW-1	1/28/2019	FD	EV19010151-02	10 U	10 U	10 U	**4,100**	--	150 U	**11,000**	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RIDW-1	9/12/2019	N	EV19090083-03	10 U	10 U	10 U	1,000 U	150 U	--	**7,400**	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RIDW-2	1/28/2019	N	EV19010151-03	10 U	10 U	10 U	**2,700**	--	**210**	**72,000**	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RIDW-2	9/11/2019	N	EV19090078-01	10 U	10 U	**20**	**1,600**	**210**	--	**16,000**	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RIDW-3	1/28/2019	N	EV19010151-01	10 U	10 U	10 U	**7,400**	--	150 U	**21,000**	2.0 U	0.50 U	2.0 U	0.020 U	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RIDW-3	9/11/2019	N	EV19090078-02	10 U	10 U	10 U	**1,700**	150 U	--	**4,900**	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RIDW-4	9/19/2019	N	EV19090145-01	10 U	10 U	10 U	**8,200**	150 U	--	**26,000**	2.0 U	**1.2**	**8.5**	**0.18**	**4.8**	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	**1.1**	2.0 U	2.0 U	2.0 U	0.010 U	**5.8**	**4.0**	2.0 U	10 U

Table 10
Deep Aquifer Groundwater Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)														
				4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
			Screening Level:	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
DW1	11/7/2018	N	EV18110052-05	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	**40**	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
DW1	9/12/2019	N	EV19090083-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.3**
DW2	11/7/2018	N	EV18110052-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	**0.67**	2.0 U	10 U	5.0 U	**2.9**	2.0 U	2.0 U	2.0 U	2.0 U
DW2	11/7/2018	FD	EV18110052-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	**0.65**	2.0 U	10 U	5.0 U	**2.8**	2.0 U	2.0 U	2.0 U	2.0 U
DW2	9/10/2019	N	EV19090062-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 UJ	**16**	2.0 U	2.0 U	2.0 U	**16 J**
DW2	9/10/2019	FD	EV19090062-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 UJ	**15**	2.0 U	2.0 U	2.0 U	**5.3 J**
DW3	11/7/2018	N	EV18110052-04	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
DW3	9/12/2019	N	EV19090083-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-1	1/28/2019	N	EV19010151-04	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-1	1/28/2019	FD	EV19010151-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-1	9/12/2019	N	EV19090083-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-2	1/28/2019	N	EV19010151-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-2	9/11/2019	N	EV19090078-01	2.0 U	10 U	25 U	**3.9**	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-3	1/28/2019	N	EV19010151-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-3	9/11/2019	N	EV19090078-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-4	9/19/2019	N	EV19090145-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	**3.5**	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

Bold text indicates detected analyte

Green shading indicates detected analyte exceeds applicable cleanup level

Acronyms/Abbreviations:

-- = not analyzed

µg/L = micrograms per liter

EPA = US Environmental Protection Agency

FD = field duplicate

N = primary sample

N/A = not applicable

SIM = selected ion monitoring

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Table 11
Soil Gas Analytical Results
Paine Field TECT Aerospace Leasehold Remedial Investigation
Everett, Washington

Area	Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/m^3; EPA TO-15)					
					Tetrachloroethene	Trichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	Benzene
				Screening Level:	321	12.3	9.33	76,200	52.1	10.7
Building C-20, C-21, C-22 Complex	RISG-19	4/2/2019	N	P1902039-009	**6.9**	**690**	**25,000**	2.2 U	2.1 U	**46**
Building C-20, C-21, C-22 Complex	RISG-22	4/2/2019	N	P1902039-011	21 U	**36**	**2,600**	21 U	20 U	20 U
Building C-20, C-21, C-22 Complex	RISG-50	4/9/2019	N	P1902039-008	**18**	**1,700**	2.3 U	2.3 U	2.2 U	2.2 U
Building C-23 and C-23 Annex	RISG-35	4/9/2019	N	P1902039-005	**3.8**	**2.2**	2.2 U	2.2 U	2.1 U	2.1 U
Building C-23 and C-23 Annex	RISG-36	4/9/2019	N	P1902039-007	2.1 U	**2.8**	**23**	2.1 U	2.0 U	2.0 U
Building C-23 and C-23 Annex	RISG-37	4/9/2019	N	P1902039-001	2.2 U	**360**	2.2 U	**3.4**	2.2 U	2.2 U
C-19	RISG-04	3/25/2019	N	P1902039-002	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
C-19	RISG-05	3/25/2019	N	P1902039-003	2.2 U	2.2 U	2.2 U	**2.8**	2.2 U	2.2 U
C-19	RISG-54	3/25/2019	N	P1902039-004	2.2 U	**310**	2.2 U	**33**	2.2 U	**2.5**
C-19	RISG-55	3/25/2019	N	P1902039-006	2.2 U	**1,400**	2.2 U	**89**	**4.5**	2.2 U
C-29/Former East Fuel Farm	RISG-42	4/4/2019	N	P1902039-010	79 U	79 U	**2,000**	80 U	77 U	77 U
C-29/Former East Fuel Farm	RISG-100	12/10/2019	N	P1907504-001	1.8 U	**9.1**	1.8 U	1.8 U	1.9 U	**3.2**
C-29/Former East Fuel Farm	RISG-101	12/10/2019	N	P1907504-002	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.4 U
C-29/Former East Fuel Farm	RISG-102	12/10/2019	N	P1907504-003	3.1 U	**10**	**210**	3.3 U	3.3 U	**5.7**

Notes:

Bold text indicates detected analyte.

Green shading indicates detected analyte exceeds applicable cleanup level.

Acronyms/Abbreviations:

N = primary sample

µg/m^3 = micrograms per cubic meter

EPA = US Environmental Protection Agency

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

APPENDIX A

Boring Logs

Soil Classification System

MAJOR DIVISIONS			GRAPHIC SYMBOL	USCS LETTER SYMBOL[1]	TYPICAL DESCRIPTIONS [2][3]
COARSE-GRAINED SOIL (More than 50% of material is larger than No. 200 sieve size)	GRAVEL AND GRAVELLY SOIL (More than 50% of coarse fraction retained on No. 4 sieve)	CLEAN GRAVEL (Little or no fines)		GW	Well-graded gravel; gravel/sand mixture(s); little or no fines
				GP	Poorly graded gravel; gravel/sand mixture(s); little or no fines
		GRAVEL WITH FINES (Appreciable amount of fines)		GM	Silty gravel; gravel/sand/silt mixture(s)
				GC	Clayey gravel; gravel/sand/clay mixture(s)
	SAND AND SANDY SOIL (More than 50% of coarse fraction passed through No. 4 sieve)	CLEAN SAND (Little or no fines)		SW	Well-graded sand; gravelly sand; little or no fines
				SP	Poorly graded sand; gravelly sand; little or no fines
		SAND WITH FINES (Appreciable amount of fines)		SM	Silty sand; sand/silt mixture(s)
				SC	Clayey sand; sand/clay mixture(s)
FINE-GRAINED SOIL (More than 50% of material is smaller than No. 200 sieve size)	SILT AND CLAY (Liquid limit less than 50)			ML	Inorganic silt and very fine sand; rock flour; silty or clayey fine sand or clayey silt with slight plasticity
				CL	Inorganic clay of low to medium plasticity; gravelly clay; sandy clay; silty clay; lean clay
				OL	Organic silt; organic, silty clay of low plasticity
	SILT AND CLAY (Liquid limit greater than 50)			MH	Inorganic silt; micaceous or diatomaceous fine sand
				CH	Inorganic clay of high plasticity; fat clay
				OH	Organic clay of medium to high plasticity; organic silt
	HIGHLY ORGANIC SOIL			PT	Peat; humus; swamp soil with high organic content

OTHER MATERIALS	GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
PAVEMENT		AC or PC	Asphalt concrete pavement or Portland cement pavement
ROCK		RK	Rock (See Rock Classification)
WOOD		WD	Wood, lumber, wood chips
DEBRIS		DB	Construction debris, garbage

Notes:
1. USCS letter symbols correspond to symbols used by the Unified Soil Classification System and ASTM classification methods. Dual letter symbols (e.g., SP-SM for sand or gravel) indicate soil with an estimated 5-15% fines. Multiple letter symbols (e.g., ML/CL) indicate borderline or multiple soil classifications.
2. Soil descriptions are based on the general approach presented in the Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), outlined in ASTM D 2488. Where laboratory index testing has been conducted, soil classifications are based on the Standard Test Method for Classification of Soils for Engineering Purposes, as outlined in ASTM D 2487.
3. Soil description terminology is based on visual estimates (in the absence of laboratory test data) of the percentages of each soil type and is defined as follows:

Primary Constituent:	> 50% - "GRAVEL," "SAND," "SILT," "CLAY," etc.
Secondary Constituents:	> 30% and ≤ 50% - "very gravelly," "very sandy," "very silty," etc.
	> 15% and ≤ 30% - "gravelly," "sandy," "silty," etc.
Additional Constituents:	> 5% and ≤ 15% - "with gravel," "with sand," "with silt," etc.
	≤ 5% - "with trace gravel," "with trace sand," "with trace silt," etc., or not noted.

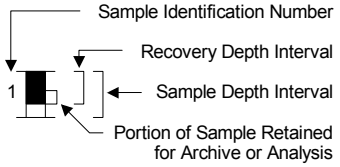
4. Soil density or consistency descriptions are based on judgement using a combination of sampler penetration blow counts, drilling or excavating conditions, field tests, and laboratory tests, as appropriate.

Drilling and Sampling Key

SAMPLER TYPE

Code	Description
a	3.25-inch O.D., 2.42-inch I.D. Split Spoon
b	2.00-inch O.D., 1.50-inch I.D. Split Spoon
c	Shelby Tube
d	Grab Sample
e	Single-Tube Core Barrel
f	Double-Tube Core Barrel
g	2.50-inch O.D., 2.00-inch I.D. WSDOT
h	3.00-inch O.D., 2.375-inch I.D. Mod. California
i	Other - See text if applicable
1	300-lb Hammer, 30-inch Drop
2	140-lb Hammer, 30-inch Drop
3	Pushed
4	Vibrocore (Rotosonic/Geoprobe)
5	Other - See text if applicable

SAMPLE NUMBER & INTERVAL



Field and Lab Test Data

Code	Description
PP = 1.0	Pocket Penetrometer, tsf
TV = 0.5	Torvane, tsf
PID = 100	Photoionization Detector VOC screening, ppm
W = 10	Moisture Content, %
D = 120	Dry Density, pcf
-200 = 60	Material smaller than No. 200 sieve, %
GS	Grain Size - See separate figure for data
AL	Atterberg Limits - See separate figure for data
GT	Other Geotechnical Testing
CA	Chemical Analysis

Groundwater

▽ Approximate water level at time of drilling (ATD)

▼ Approximate water level at time after drilling/excavation/well

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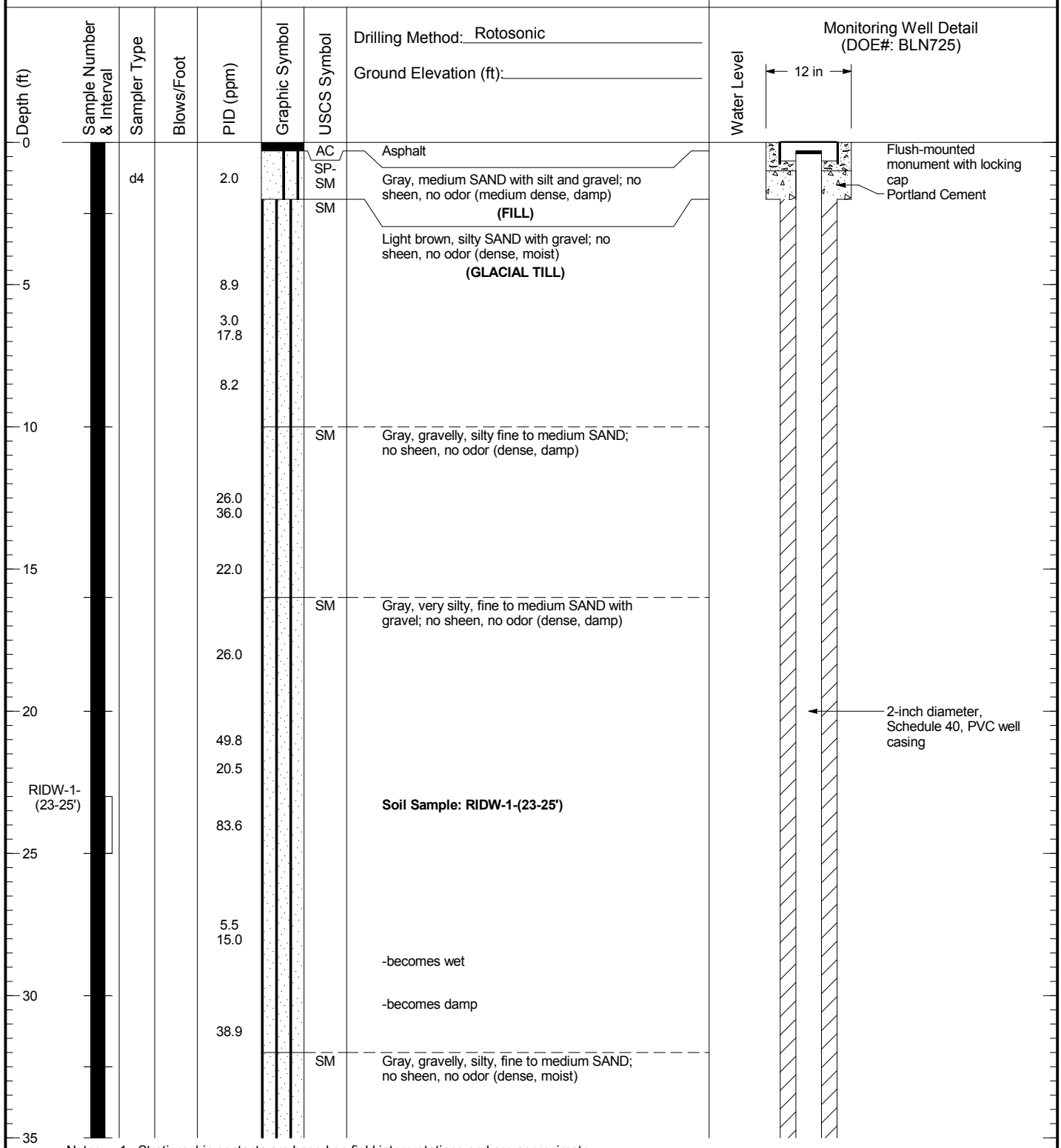
TECT Aerospace Leasehold
Everett, Washington

Soil Classification System and Key

Figure
A-1

RIDW-1



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-1

Figure
A-2
(1 of 5)

RIDW-1

SAMPLE DATA | **SOIL PROFILE** | **GROUNDWATER**

Drilling Method: Rotosonic

Ground Elevation (ft):

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Soil Profile	Water Level	Monitoring Well Detail (DOE#: BLN725)
35				33.5		SM	Gray, gravelly, silty, fine to medium SAND; no sheen, no odor (dense, moist)		
				32.5					
40									5% Bentonite grout
				40.0					
				67.3					
45				62.9					
				63.5					
	RIDW-1-(49-50')			146			**Soil Sample: RIDW-1-(49-50')**		
50				65.7					
				64.3					
				125.3					
55				90.0					
							Soil Sample: RIDW-1-(57.5-60')		
	RIDW-1-(57.5-60')			145		SP-SM	Gray, fine SAND with silt and fine gravel; no sheen, no odor (dense, damp)		
60									2-inch diameter, Schedule 40, PVC well casing
				98.9					
				33.7					
65							-becomes dense		
				70.2					
				49.4					
70									

Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-1

Figure
A-2
(2 of 5)

RIDW-1

SAMPLE DATA | **SOIL PROFILE** | **GROUNDWATER**

Drilling Method: Rotosonic

Ground Elevation (ft):

Monitoring Well Detail
(DOE#: BLN725)

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Soil Profile	Water Level
70				44.3		SP-SM	Gray, fine SAND with silt and fine gravel; no sheen, no odor (dense, damp)	
				39.8				
75				44.5				
				35.9				
80				33.0				
	RIDW-1-(81.5-82.5')			58.9			**Soil Sample: RIDW-1-(81.5-82.5')**	
				12.6				
85				31.6				
				25.8		SM	Gray, very silty fine SAND with gravel; no sheen, no odor (very dense, damp)	
90				36.6				
				11.6		SP-SM	Tan, fine to medium SAND with silt; no sheen, no odor (dense, damp) **(ADVANCE OUTWASH)**	
						SP-SM	Brown, fine to coarse SAND with gravel and silt; no sheen, no odor (dense, damp)	
95				14.3				
				12.0				
100				21.2				2-inch diameter, Schedule 40, PVC well casing
						SM	Brown, silty, fine to coarse SAND with gravel; no sheen, no odor (dense, damp)	
				91.1			-silt lens (~6 inches)	
105						SM		

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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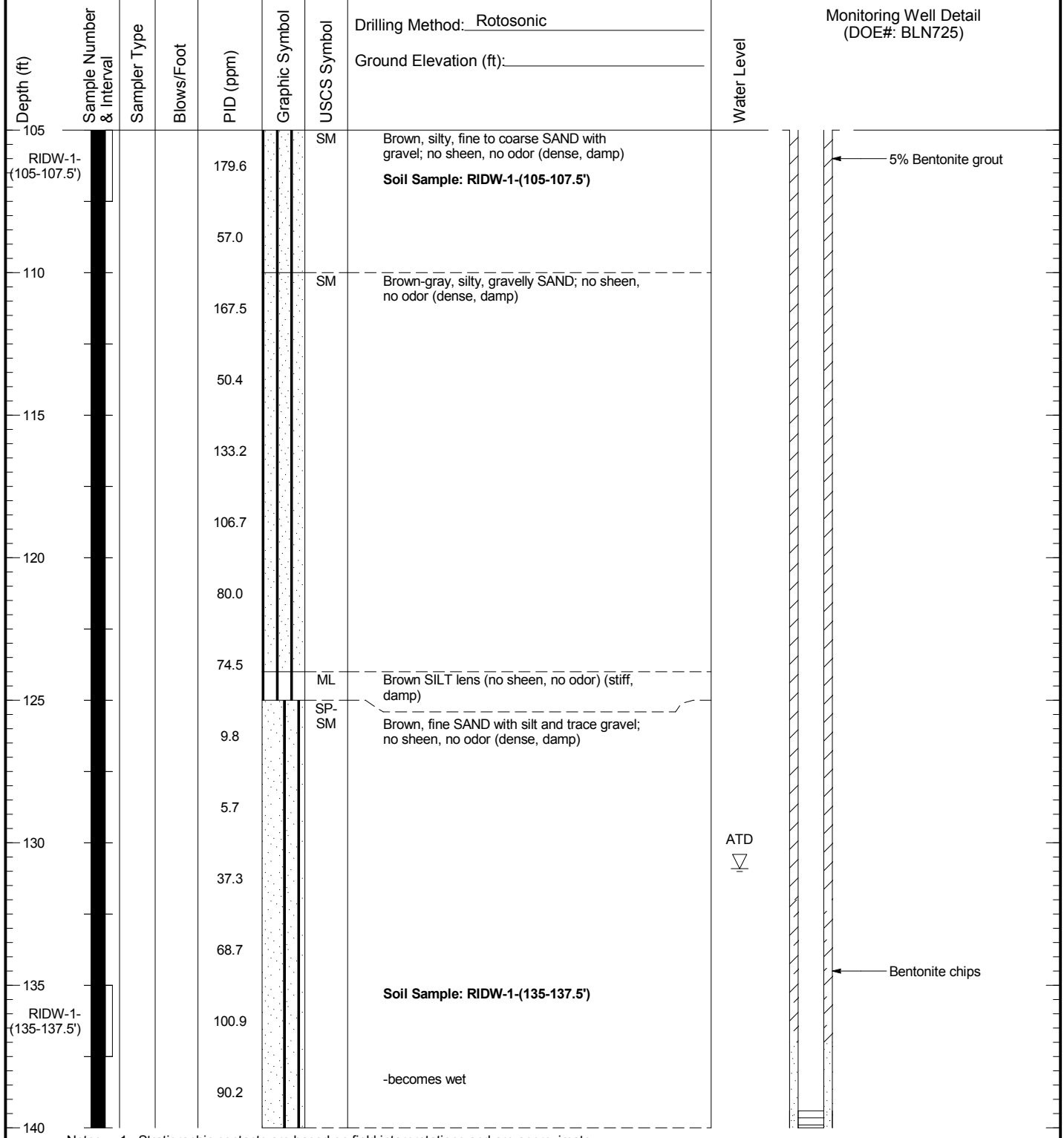
TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-1

Figure
A-2
(3 of 5)

RIDW-1



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-1

Figure
A-2
(4 of 5)

RIDW-1

SAMPLE DATA | **SOIL PROFILE** | **GROUNDWATER**

Drilling Method: Rotosonic

Ground Elevation (ft): _____

Monitoring Well Detail
(DOE#: BLN725)

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Water Level
140				7.7		SM	
	RIDW-1-(142.5-145')			5.5		SP	
145				5.0			
				6.1			
150							

Brown, silty, fine SAND with trace gravel; no sheen, no odor (dense, wet)

Gray-brown, fine to coarse SAND with gravel; no sheen, no odor (dense, wet)

Soil Sample: RIDW-1-(142.5-145')

12/20 Pioneer silica sand pack

2-inch diameter, Schedule 40, PVC screen (0.010-inch slot size)

Threaded end cap

Native Backfill

Boring Completed 12/06/18
Total Depth of Boring = 150.0 ft.

Monitoring Well Completed 12/07/18
Elevation at Top of Monitoring Well Casing = 598.88 ft.
Total Depth of Monitoring Well = 150.0 ft.

155

160

165

170

175

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Everett, Washington

Log of Monitoring Well RIDW-1

Figure
A-2
(5 of 5)

RIDW-2

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft):
0						AC	Asphalt
		d4		2.5		SM	**(ASPHALT)**
							Brown, very silty, medium SAND with gravel and coarse sand; no sheen, no odor (medium dense, damp)
				2.0			**(FILL)**
5				9.0			
				8.6		SP-SM	Gray, fine to medium SAND with silt and gravel; no sheen, no odor (dense, moist)
							(GLACIAL TILL)
10							-grades to gravelly SAND
				9.8			
				12.8			
15							-moist to wet
				24.4			
						SM	Gray, very silty, fine SAND with gravel; no sheen, no odor (dense, wet)
				13.9			
20							-grades to gravelly, very silty, fine SAND
	RIDW-2-(20-22.5')			41.6			**Soil Sample: RIDW-2-(20-22.5')**
							-grades to with gravel and becomes very dense; no sheen, no odor
				29.0			
25				18.6			
				14.3			
30				19.6			
						SM	
				5.4			
35							

Monitoring Well Detail (DOE#: BLN726)

12 in

Water Level

Flush-mounted monument with locking cap

Portland Cement

2-inch diameter, Schedule 40, PVC well casing

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-2

Figure
A-3
(1 of 5)

RIDW-2

SAMPLE DATA | **SOIL PROFILE** | **GROUNDWATER**

Drilling Method: Rotosonic

Ground Elevation (ft):

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Soil Profile	Water Level	Monitoring Well Detail (DOE#: BLN726)
35				29.1		SM	Gray, very silty, fine SAND with gravel and cobbles; no sheen, no odor (very dense, wet)		
							Soil Sample: RIDW-2-(37.5-40')		
	RIDW-2-(37.5-40')			39.0					5% Bentonite grout
40				26.6					
				5.6					
45				20.0					
				26.3					
50							**Soil Sample: RIDW-2-(50-52')**		
	RIDW-2-(50-52')			107.4					
				79.6			-no cobbles		
55									
						SM	Gray, silty, fine to coarse SAND with gravel; no sheen, no odor (dense, damp)		
60				44.5					2-inch diameter, Schedule 40, PVC well casing
				51.6					
65				22.8					
				18.8					
70									

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-2

Figure
A-3
(2 of 5)

RIDW-2

SAMPLE DATA					SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft):	Water Level	Monitoring Well Detail (DOE#: BLN726)
70				19.8		SM	Gray, silty, fine to coarse SAND with gravel; no sheen, no odor (dense, damp)		
				11.5					
75				10.5					
				35.5					
80				16.0		SM	Brown-gray, very silty SAND with gravel; no sheen, no odor (very dense, damp) **(ADVANCE OUTWASH)** -grades to gravelly and becomes dense		5% Bentonite grout
				34.0					
85				6.7					
				9.8					
90	RIDW-2-(90-92')			62.0		SM	Brown, medium to coarse SAND with silt and gravel; no sheen, no odor (dense, damp) **Soil Sample: RIDW-2-(90-92')**		
				23.1					
95				13.5					
				17.1			-grades to with cobbles		
100				54.9		SM	Gray, silty, fine to coarse SAND with gravel; no sheen, no odor (dense, damp)		2-inch diameter, Schedule 40, PVC well casing
				124.5					
105									

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-2

Figure
A-3
(3 of 5)

RIDW-2

SAMPLE DATA | **SOIL PROFILE** | **GROUNDWATER**

Drilling Method: Rotosonic

Ground Elevation (ft):

Monitoring Well Detail
(DOE#: BLN726)

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol		Water Level
105						SP	Brown to gray, gravelly, fine to coarse SAND; no sheen, no odor (dense, damp)	
	RIDW-2-(105-107.5')			168.9			**Soil Sample: RIDW-2-(105-107.5')**	
110							-with cobbles	
							Soil Sample: RIDW-2-(112.5-115')	
115						SM	Brown, silty, fine to medium SAND with gravel; no sheen, no odor (dense, moist)	
120				1.3				
125							-grades to with trace gravel (dense, moist)	
							Soil Sample: RIDW-2-(125-127.5')	
				55.4				
				35.0				
130							-with trace cobbles	
				40.7				
						SM	Gray, very silty, fine SAND with coarse sand and gravel; no sheen, no odor (dense, moist)	
				53.4				ATD
135						SM	Brown-gray, silty, fine to coarse SAND with trace gravel; no sheen, no odor (dense, wet)	
				11.7				
				17.3				
140								

5% Bentonite grout

Bentonite chips

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

LANDAU ASSOCIATES

TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-2

Figure
A-3
(4 of 5)

RIDW-2

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft):	Water Level
140				10.8		SM	Brown-gray, silty, fine to coarse SAND with trace gravel; no sheen, no odor (dense, wet)	Monitoring Well Detail (DOE#: BLN726)
				20.0				
145				33.0				12/20 Pioneer silica sand pack 2-inch diameter, Schedule 40, PVC screen (0.010-inch slot size)
				39.3				
150								Threaded end cap
155								
160								
165								
170								
175								

Boring Completed 12/10/18
Total Depth of Boring = 152.0 ft.

Monitoring Well Completed 12/11/18
Elevation at Top of Monitoring Well Casing = 603.66 ft.
Total Depth of Monitoring Well = 152.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Everett, Washington

Log of Monitoring Well RIDW-2

Figure
A-3
(5 of 5)

RIDW-3

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Water Level

Drilling Method: Rotosonic

Ground Elevation (ft):

Monitoring Well Detail
(DOE#: BLN727)

12 in

Depth (ft)	Sample Number & Interval	Sampler Type	PID (ppm)	USCS Symbol	Soil Description
0				AC	Asphalt
		d4	2.3	SM	**(ASPHALT)** Gray, very silty, fine SAND with gravel; no sheen, no odor (loose, wet)
				SM	**(FILL)**
			2.9		Tan, silty, fine SAND with gravel; no sheen, no odor (dense, moist) **(GLACIAL TILL)**
5			9.7		
				SP-SM	Gray, fine SAND with silt and gravel; no sheen, no odor (dense, moist)
			22.8		
10				SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, damp)
			13.4		
	RIDW-3-(12.5-15')		27.8		**Soil Sample: RIDW-3-(12.5-15')**
15					-grades to gravelly
			23.5		
			12.6		
20			12.6		
					-grades to with gravel
			0.7		
25			18.7		
					-becomes moist
			58.0		
30			48.3		
			53.0		
35					

Flush-mounted monument with locking cap

Portland Cement

2-inch diameter, Schedule 40, PVC well casing

5% Bentonite grout

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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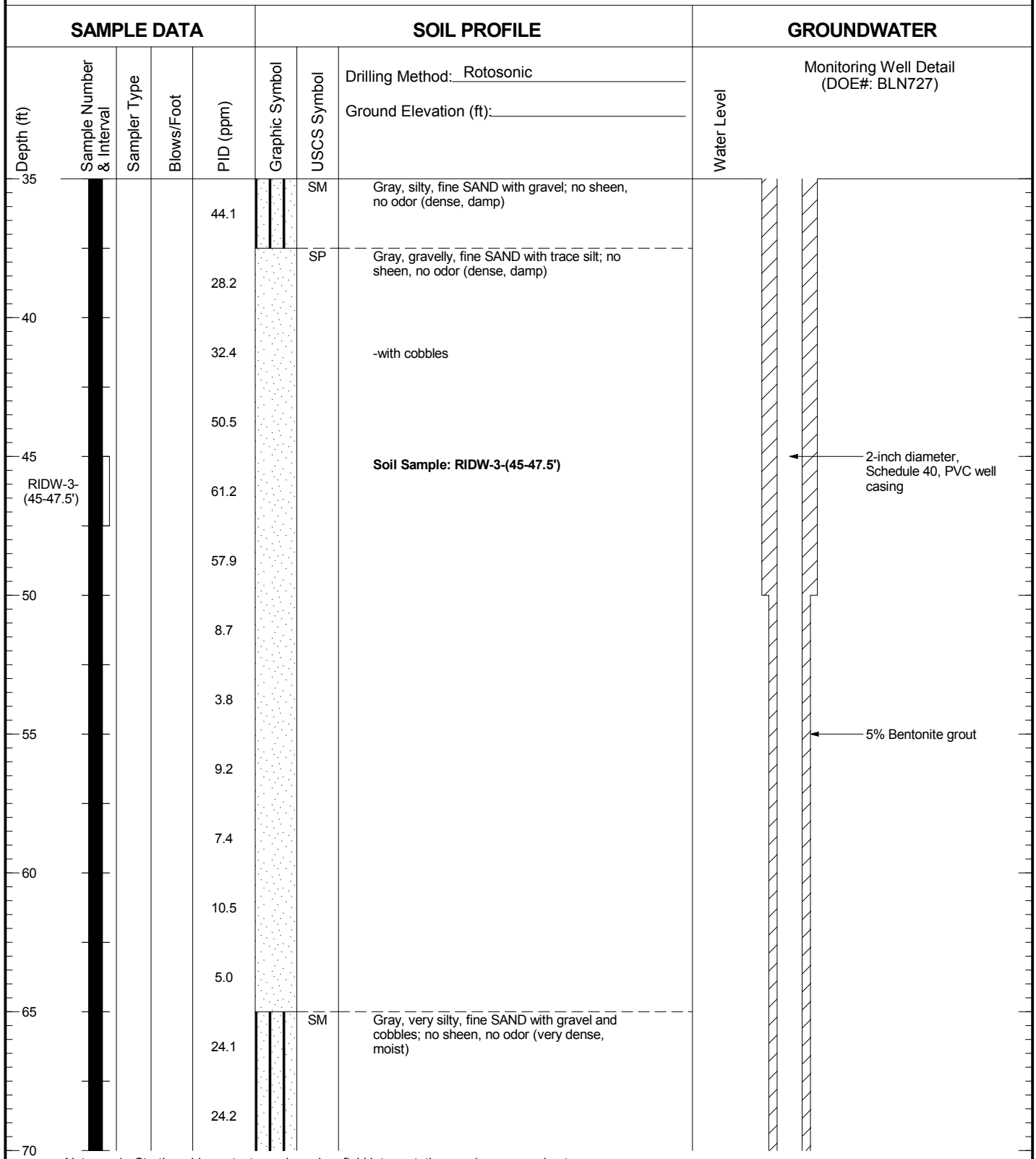
Log of Monitoring Well RIDW-3

Figure
A-4
(1 of 5)

RIDW-3



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Monitoring Well RIDW-3

Figure
A-4
(2 of 5)

RIDW-3

SAMPLE DATA					SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft):	Water Level	Monitoring Well Detail (DOE#: BLN727)
70						SM	Gray, very silty, fine SAND with gravel and cobbles; no sheen, no odor (very dense, moist)		
	RIDW-3-(70-72.5')			26.8			**Soil Sample: RIDW-3-(70-72.5')**		
				24.0					
75									
				46.0					
				28.8					
80						SP-SM	Brown, gravelly, fine SAND with silt; no sheen, no odor (dense, moist) **(ADVANCE OUTWASH)**		
				38.4					
				33.0					
85									
				41.2					
						SM	Gray-brown, silty, fine SAND with gravel; no sheen, no odor (dense, moist)		
				45.0					
90						SP-SM	Gray-brown, gravelly, fine to medium SAND with silt; no sheen, no odor (dense, damp)		5% Bentonite grout
				43.9					
						SM	Brown, silty, medium SAND with gravel; no sheen, no odor (dense, damp)		
				34.3					
95							**Soil Sample: RIDW-3-(95-97.5')**		
	RIDW-3-(95-97.5')			102.3					
				53.8					
100									2-inch diameter, Schedule 40, PVC well casing
				2.0					
				3.4					
105									

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Monitoring Well RIDW-3

Figure
A-4
(3 of 5)

RIDW-3

SAMPLE DATA | **SOIL PROFILE** | **GROUNDWATER**

Drilling Method: Rotosonic

Ground Elevation (ft):

Monitoring Well Detail
(DOE#: BLN727)

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Soil Profile	Water Level
105				9.3		SM	Brown, silty, medium SAND with gravel; no sheen, no odor (dense, damp)	
				4.4		SP-SM	Brown, fine to medium SAND with SILT and gravel; no sheen, no odor (dense, damp)	
110						SM	Gray, silty, fine SAND with gravel (dense, damp)	
	RIDW-3-(95-97.5')			53.2		SP-SM	**Soil Sample: RIDW-3-(110-112.5')**	
				7.1			Brown, fine to medium SAND with silt and trace gravel; no sheen, no odor (dense, damp)	
115				3.1				
				4.3			- lens of gray, silty, fine SAND with gravel	
120				7.0		SM	Brown, silty, SAND with trace gravel; no sheen, no odor (dense, damp)	
				2.9				
125				8.6			- decrease in gravel	
				12.8				
130							**Soil Sample: RIDW-3-(130-132.5')**	
	RIDW-3-(130-132.5')			23.4				ATD
	RIDW-3-(132.5-135')			19.0				
135								
				6.2				
140								

Monitoring Well Detail: 5% Bentonite grout; Bentonite chips

Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Everett, Washington

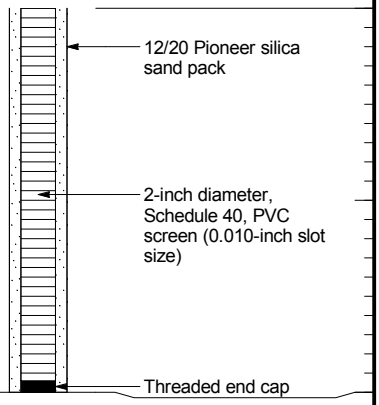
Log of Monitoring Well RIDW-3

Figure
A-4
(4 of 5)

RIDW-3

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft):	Water Level
140						SM	Brown, silty, medium SAND with gravel; no sheen, no odor (dense, damp)	
				5.3		SM		
						SM	Gray, silty, fine to medium SAND with gravel; no sheen, no odor (dense, wet)	
				4.9			**Soil Sample: RIDW-3-(132.5-135')**	
							-grades to with trace gravel	
145							-becomes brown-gray	
				4.0			Gray, silty, fine to medium SAND with gravel; no sheen, no odor (dense, wet)	
							-becomes fine to coarse SAND	
				4.2			-grades to with gravel	
150								
155								
160								
165								
170								
175								

Monitoring Well Detail
(DOE#: BLN727)



Boring Completed 12/11/18
Total Depth of Boring = 150.0 ft.

Monitoring Well Completed 12/14/18
Elevation at Top of Monitoring Well Casing = 601.47 ft.
Total Depth of Monitoring Well = 150.5 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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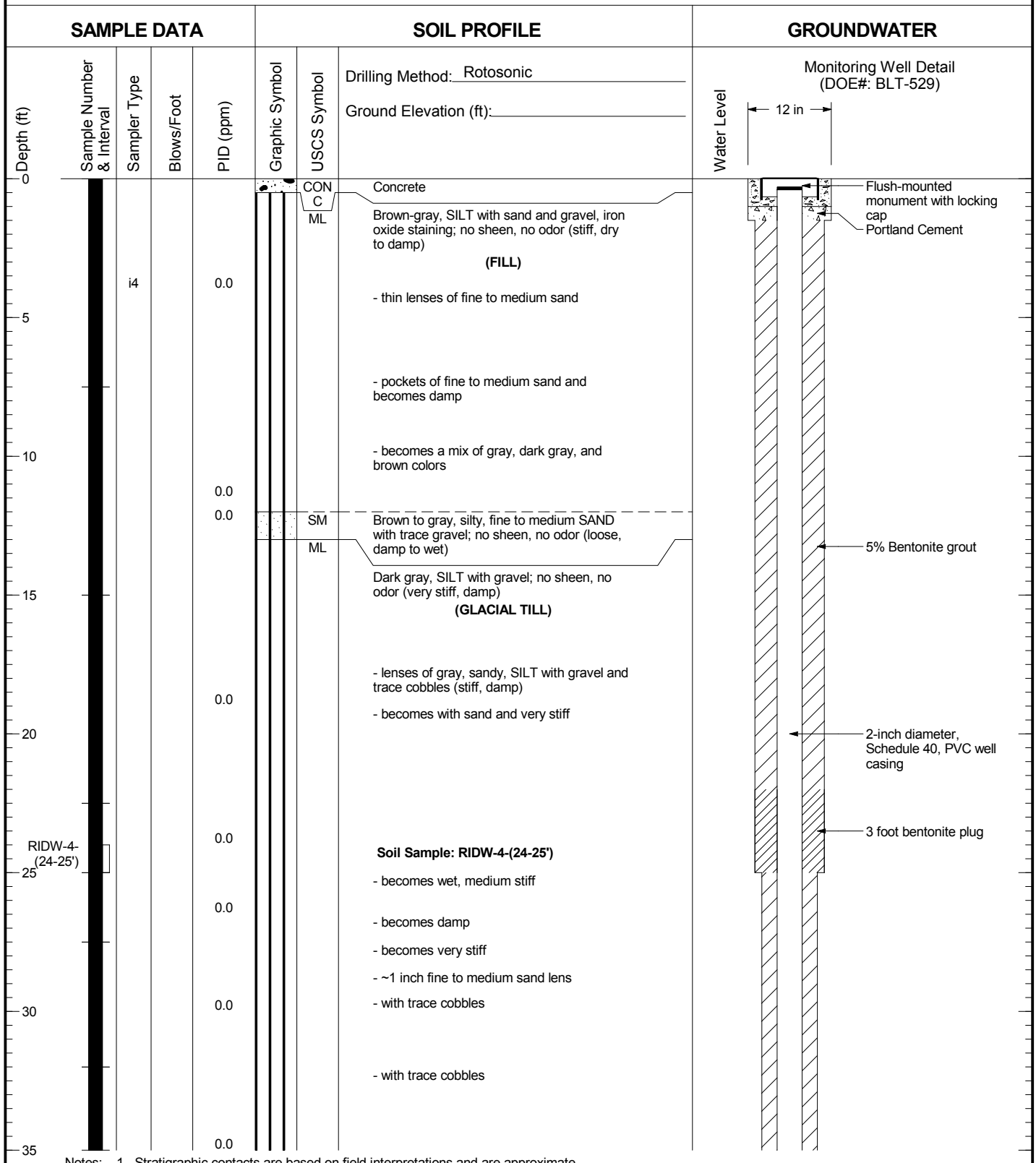
Log of Monitoring Well RIDW-3

Figure
A-4
(5 of 5)

RIDW-4



Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Monitoring Well RIDW-4

Figure
A-5
(1 of 5)

RIDW-4

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft):	Water Level

Monitoring Well Detail
(DOE#: BLT-529)

Depth (ft)	Sample Number & Interval	PID (ppm)	USCS Symbol	
35			ML	Dark gray, SILT with gravel; no sheen, no odor (very stiff, damp) **(GLACIAL TILL)**
40		0.0		
		0.0		
45				- no cobbles and decrease in gravel
		0.0.		- with pockets of fine to medium sand
50				
		0.0		
		0.0	SM	Gray, silty, fine to medium SAND; no sheen, no odor (dense, wet)
55				- increased silt content and with gravel
			ML	Dark gray, sandy, SILT with gravel and trace cobbles; no sheen, no odor (stiff, wet)
				- becomes with sand and gravel, very stiff, and damp
60				
		0.0		
		0.0		
		0.0		
65		0.0	ML	Brown, sandy, SILT with gravel and trace cobbles; no sheen, no odor (stiff, damp to moist) **(ADVANCE OUTWASH)**
	RIDW-4-(66-67')	1.8 0.0		**Soil Sample: RIDW-4-(66-67')**
70				

5% Bentonite grout

2-inch diameter, Schedule 40, PVC well casing

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Monitoring Well RIDW-4

Figure
A-5
(2 of 5)

RIDW-4

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft):	Water Level
70				0.0		ML		
				0.0		SM	Brown, silty, fine to medium SAND with trace gravel; no sheen, no odor (dense, moist)	
				1.1				
				0.6				
75						ML	Brown, gravelly, sandy, SILT; no sheen, no odor (stiff, moist)	
						SM	Brown, gravelly, silty, SAND; no sheen, no odor (dense, moist to wet)	
				0.0		SP-SM	Brown, fine to medium SAND with silt and trace gravel; no sheen, no odor (dense, damp to moist)	
80							- becomes medium to coarse SAND	
						SM	Brown, silty, medium to coarse SAND with gravel; no sheen, no odor (dense, moist)	
						SP-SM	Brown, medium to coarse SAND with silt and gravel; no sheen, no odor (dense, moist)	
						SM	Brown, silty, medium to coarse SAND with gravel and trace cobbles; no sheen, no odor (dense, moist)	
85				0.0				
90								
95				0.0				
100						ML	Brown, sandy, SILT with gravel; no sheen, no odor (stiff, moist to wet)	
						SP-SM	Brown, medium to coarse SAND with silt and gravel; no sheen, no odor (dense, moist)	
				0.0		ML	Gray, sandy, SILT with gravel; no sheen, no odor (very stiff to hard, damp)	
105								

Monitoring Well Detail (DOE#: BLT-529)

- 5% Bentonite grout
- 2-inch diameter, Schedule 40, PVC well casing

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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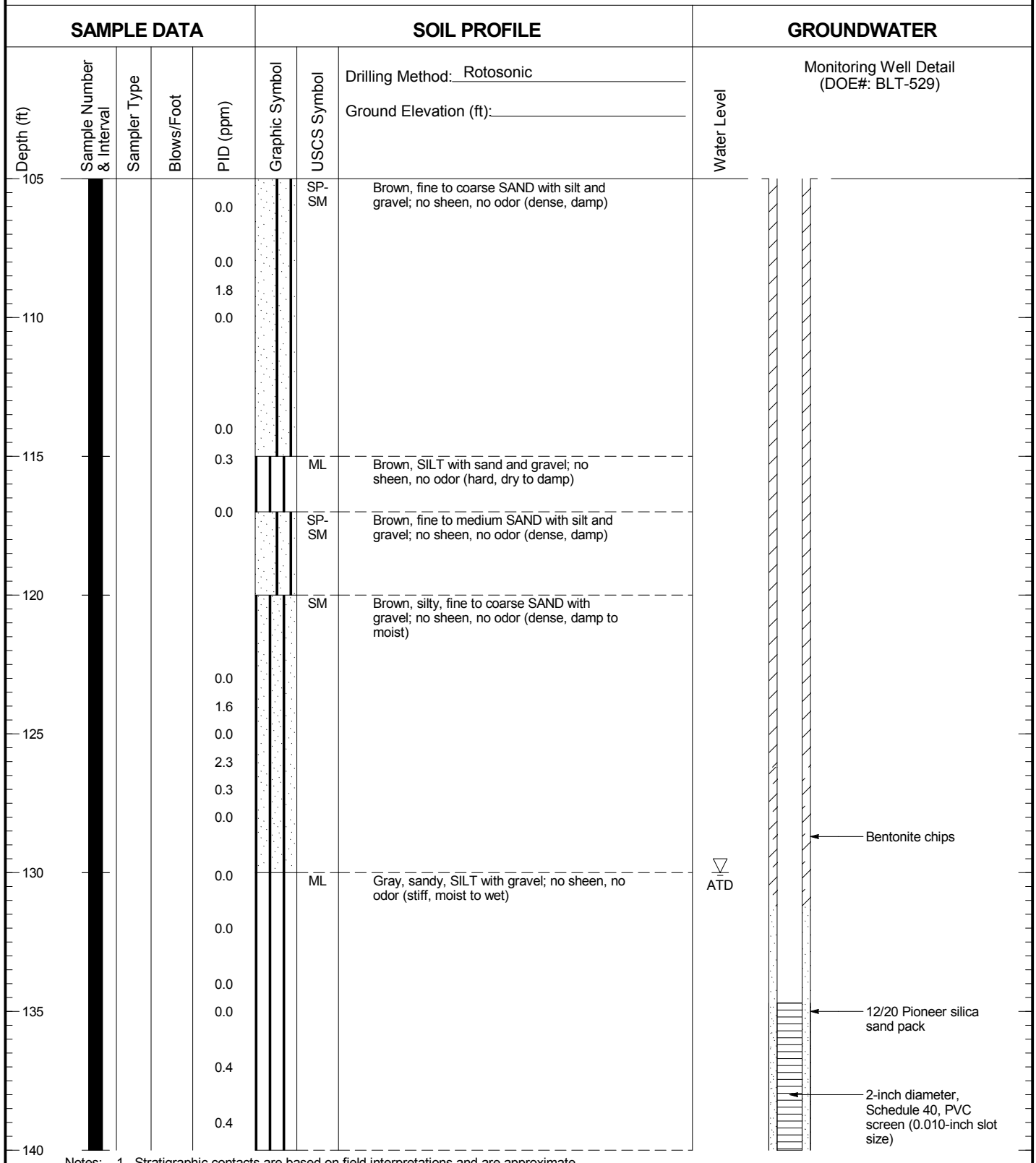
Log of Monitoring Well RIDW-4

Figure
A-5
(3 of 5)

RIDW-4



Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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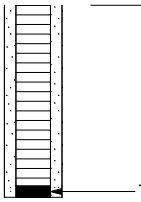
Log of Monitoring Well RIDW-4

Figure
A-5
(4 of 5)

RIDW-4

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft):	Water Level
140						SP-SM	Gray, fine to medium SAND with gravel and silt and trace cobbles; no sheen, no odor (dense, wet)	
145				0.0		GM	Gray, silty, sandy, GRAVEL with trace cobbles; no sheen, no odor (dense, wet)	
						SP-SM	Gray, medium to coarse SAND with silt and gravel and trace cobbles; no sheen, no odor (dense, wet)	
150								

Monitoring Well Detail
(DOE#: BLT-529)



Boring Completed 09/04/19
Total Depth of Boring = 150.0 ft.

Monitoring Well Completed 09/04/19
Elevation at Top of Monitoring Well Casing = 601.46 ft.
Total Depth of Monitoring Well = 145.0 ft.

155
160
165
170
175

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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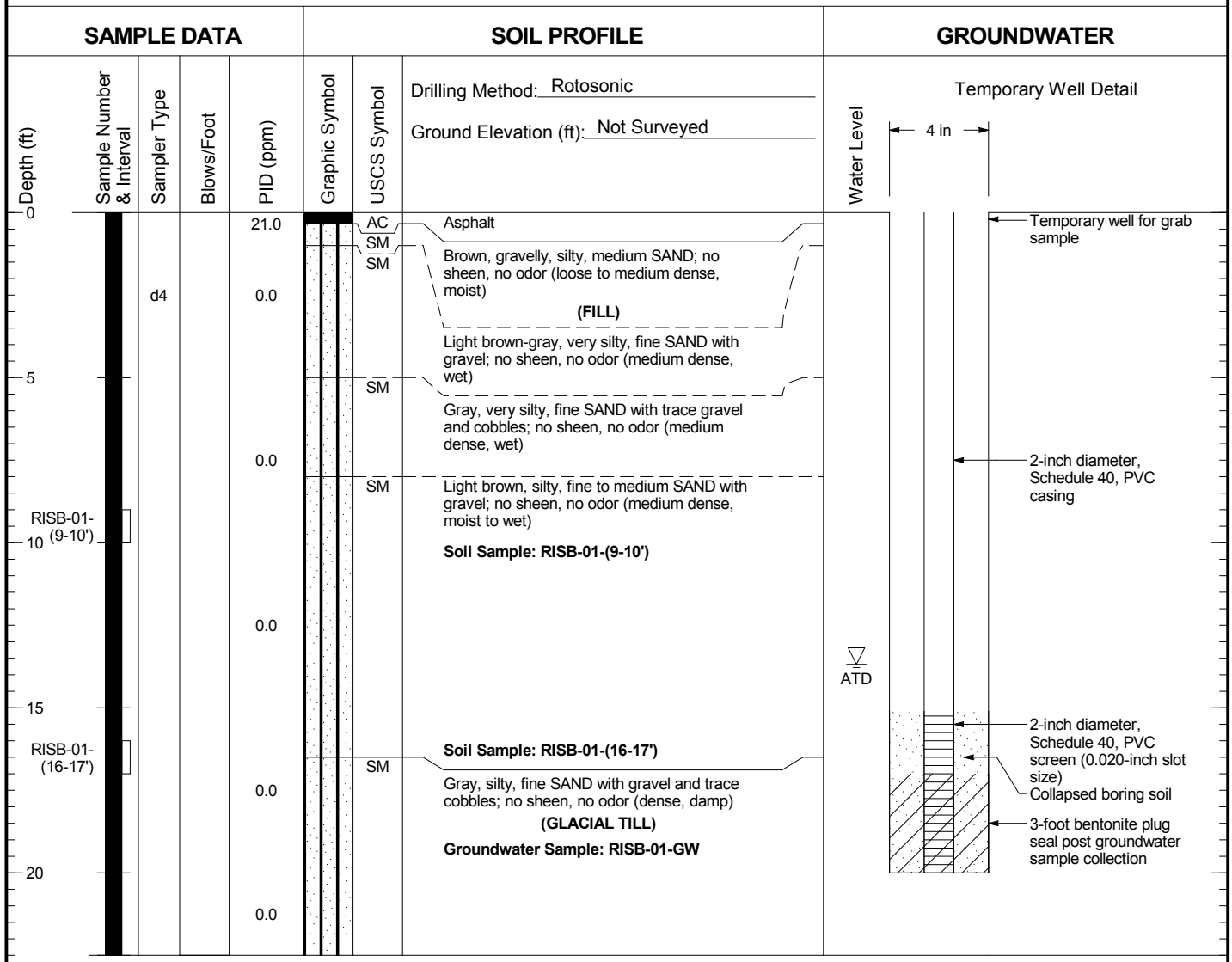
Log of Monitoring Well RIDW-4

Figure
A-5
(5 of 5)

RISB-01



Boring Completed 03/27/19
Total Depth of Boring = 22.5 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Temporary Well RISB-01

Figure
A-6

RISB-02

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	
0		d4		0.0		AC SM	Asphalt Gray, silty, fine SAND with gravel; no sheen, no odor (loose to medium dense, damp to moist)	Groundwater not encountered.
						PC SP-SM	**(FILL)** Concrete	
5				0.0			Brown-gray, fine to medium SAND with silt; no sheen, no odor (medium dense, wet) **(FILL)**	
						SM	Brown, silty, fine SAND; no sheen, no odor (medium dense, moist to wet)	
10	RISB-02-(11-12')						**Soil Sample: RISB-02-(11-12')**	
				0.0		SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, damp to moist) **(GLACIAL TILL)**	
15				0.0				
20								
25								
30								
35								

Boring Completed 03/26/19
Total Depth of Boring = 17.5 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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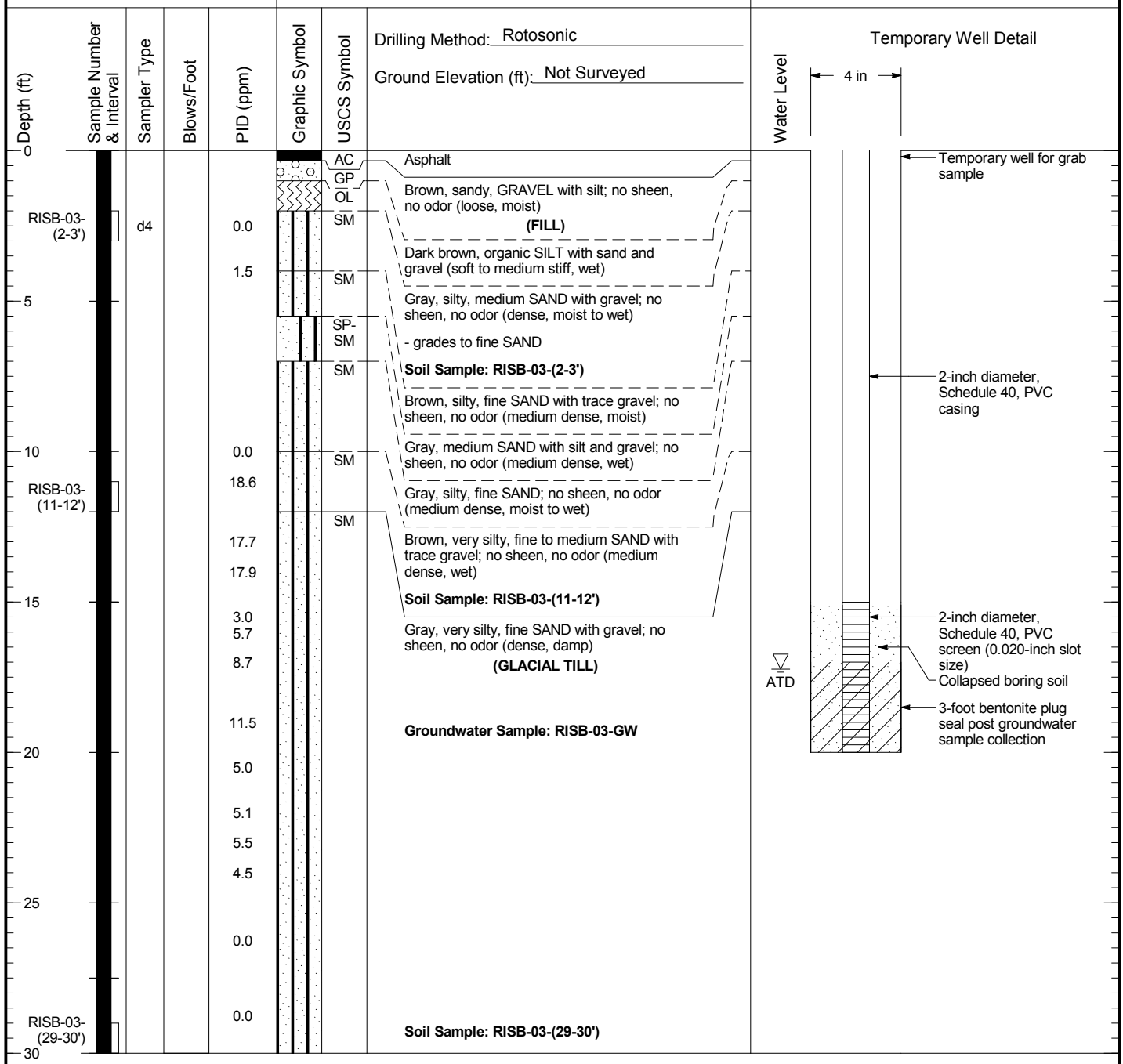
Log of Boring RISB-02

Figure
A-7

RISB-03



Boring Completed 03/26/19
Total Depth of Boring = 30.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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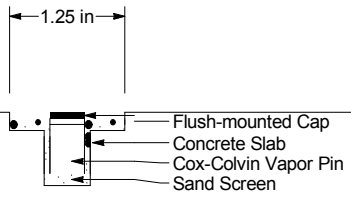
Log of Temporary Well RISB-03

Figure
A-8

RISB-04

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): Not Surveyed
0						CONC	Concrete
						SP	Brown, fine to medium SAND with trace silt and gravel; no sheen, no odor (loose, damp) **(FILL)** **Soil Gas Sample: RISG-04-190325**
2	RISB-04-(2-3')	d3		0.0		SM	Brown, silty, SAND with trace gravel; no sheen, no odor (loose, damp) - rust mottled **Soil Sample: RISB-04-(2-3')**
4							- rust mottled
6				0.0			
						SM	Brown, very silty, fine SAND with trace gravel; no sheen, no odor (loose, moist)
8							- becomes gray with slight irritant odor
10							

Vapor Well/implant Detail



Boring Completed 03/18/19
Total Depth of Boring = 8.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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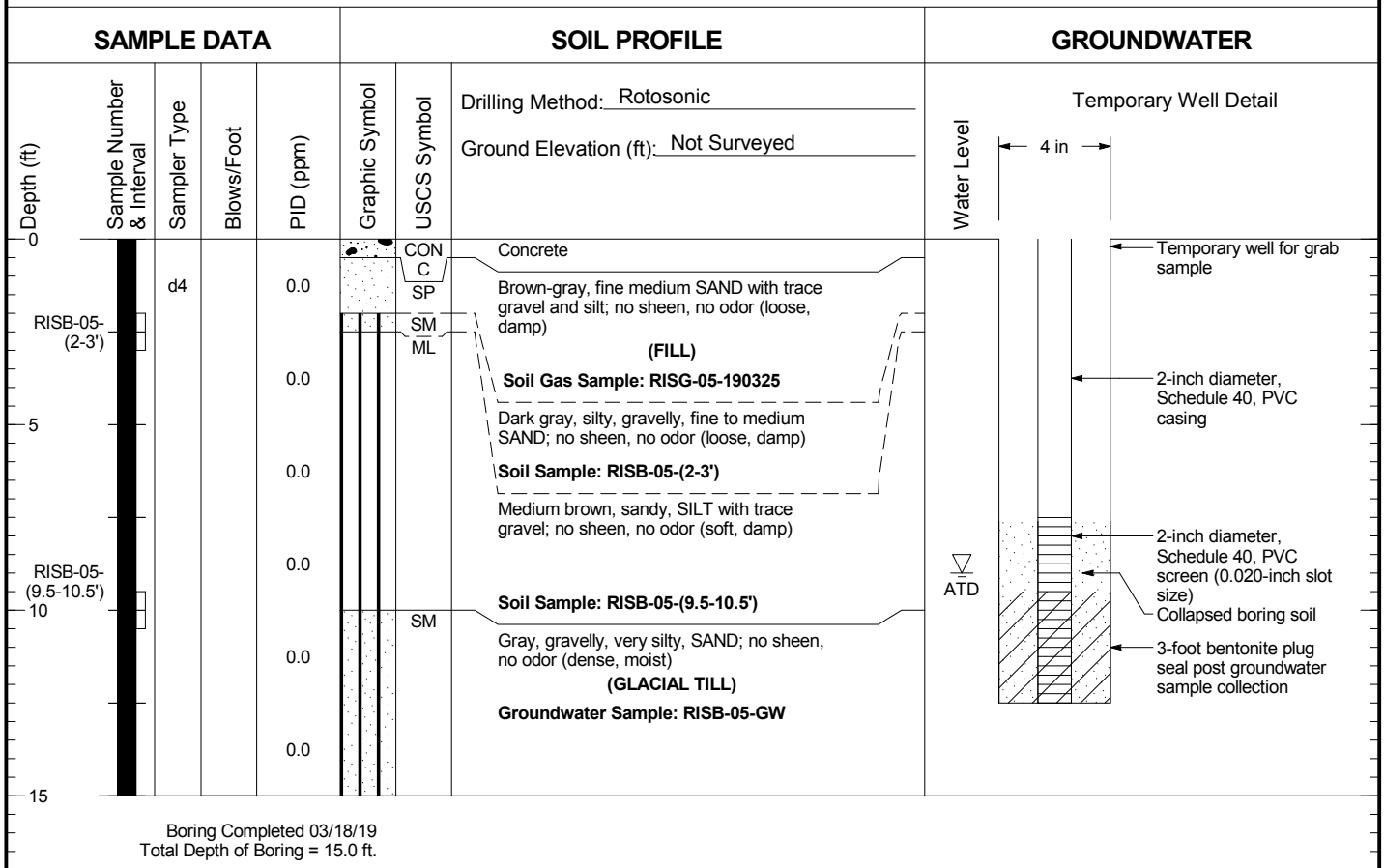
Log of Vapor Well/Implant RISB-04

Figure
A-9

RISB-05



Boring Completed 03/18/19
Total Depth of Boring = 15.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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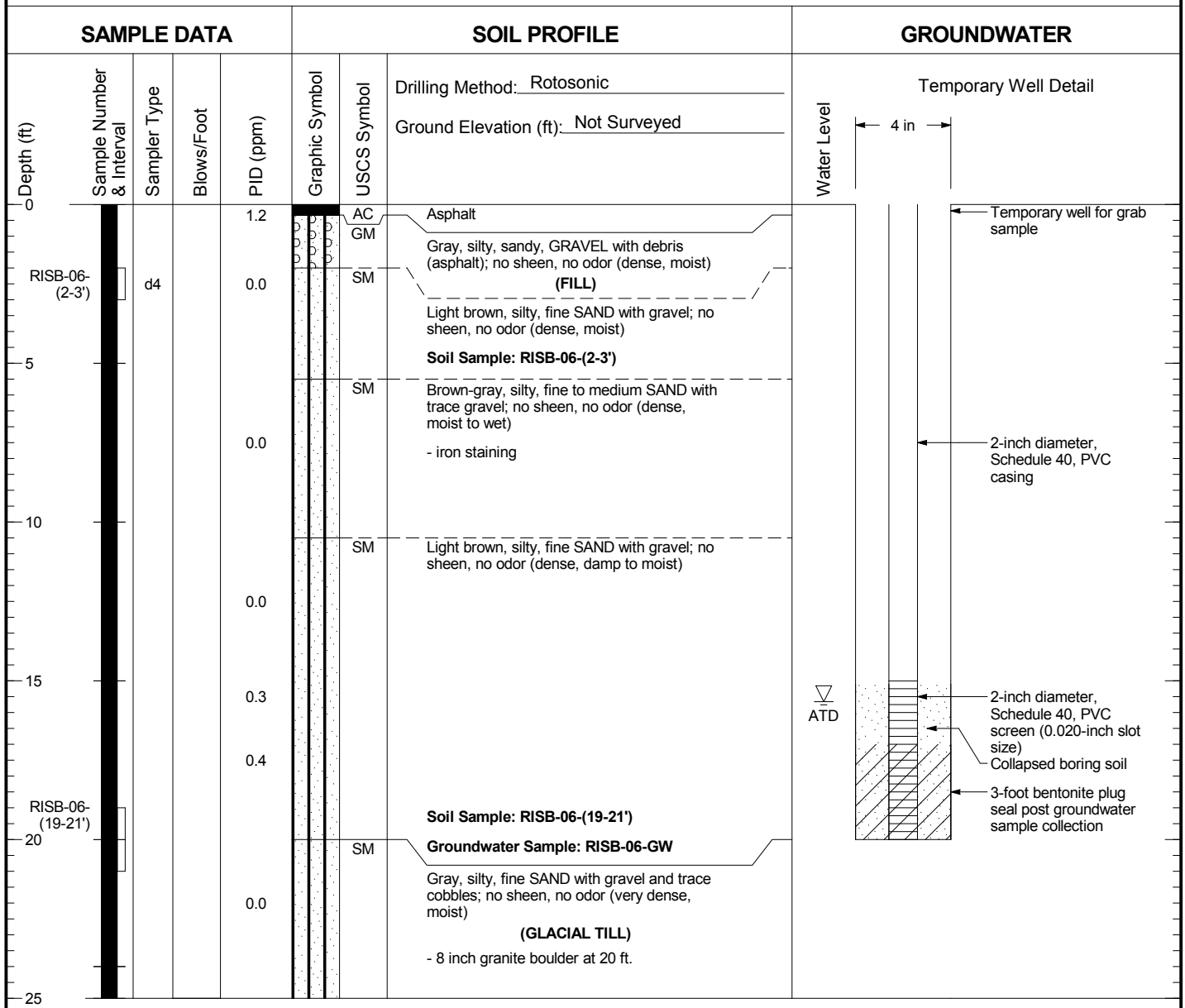
Log of Temporary Well RISB-05

Figure
A-10

RISB-06



Boring Completed 03/27/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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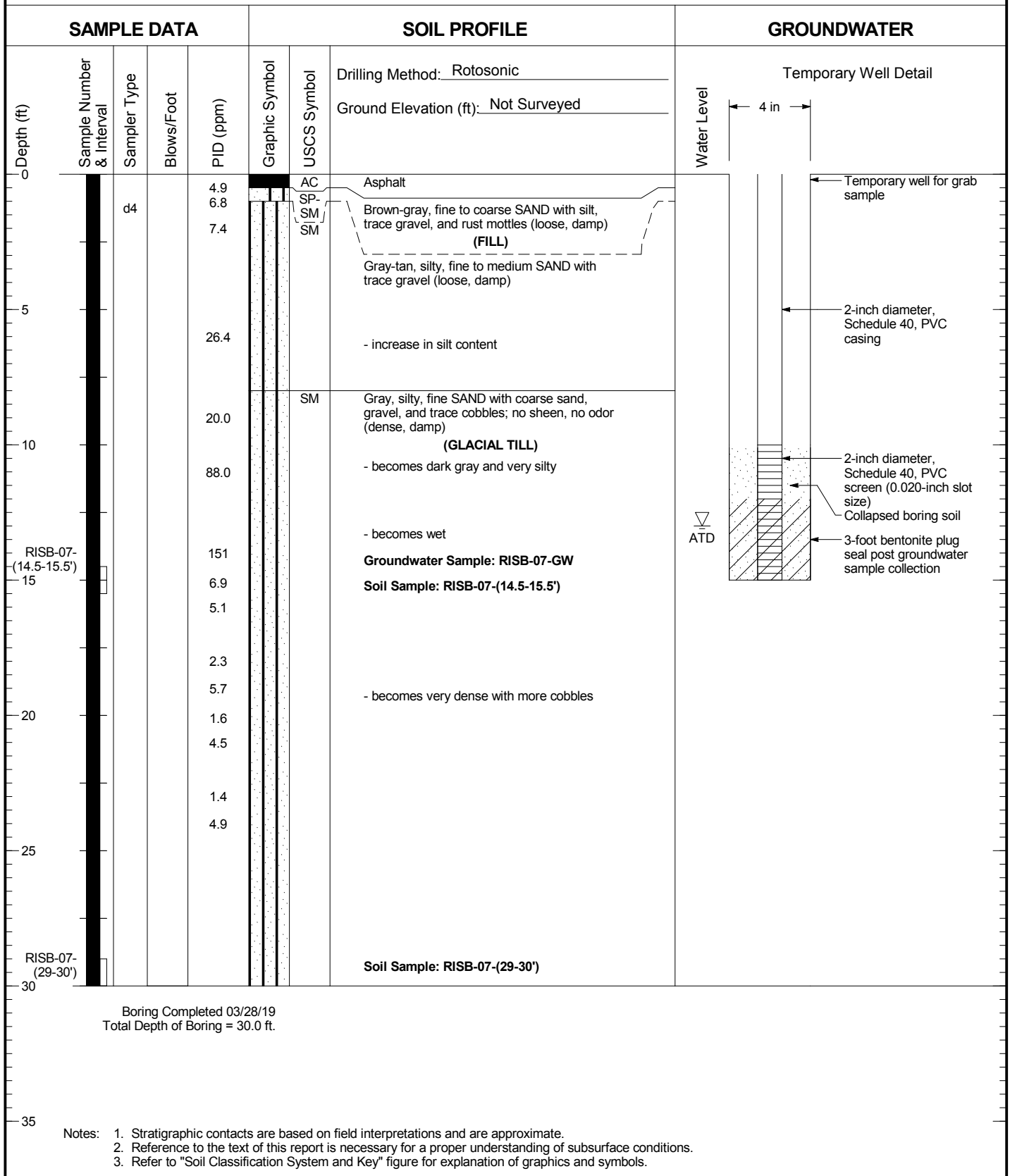
Everett, Washington

Log of Temporary Well RISB-06

Figure
A-11

RISB-07



Boring Completed 03/28/19
Total Depth of Boring = 30.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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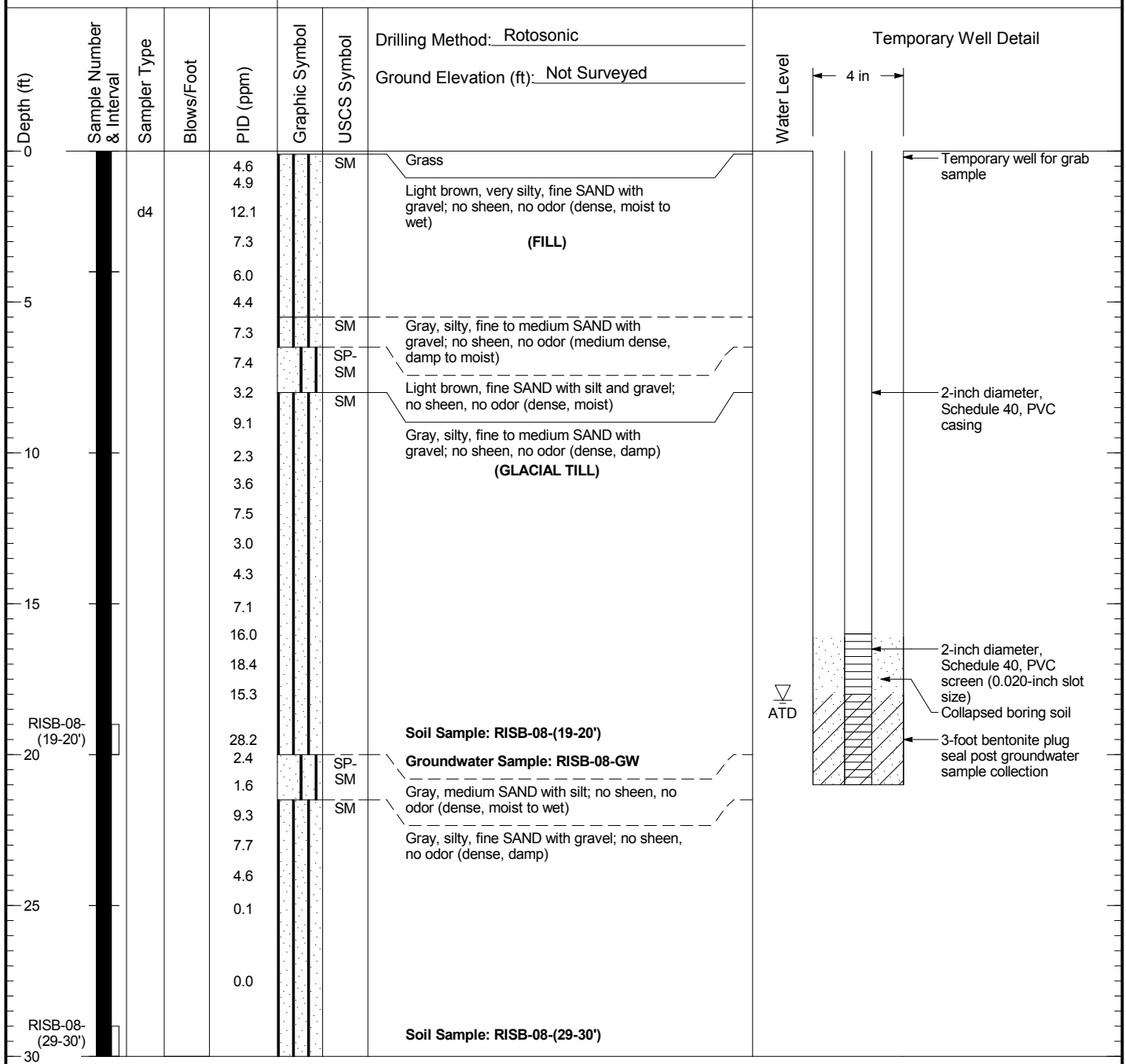
Log of Temporary Well RISB-07

Figure
A-12

RISB-08



Boring Completed 03/26/19
Total Depth of Boring = 30.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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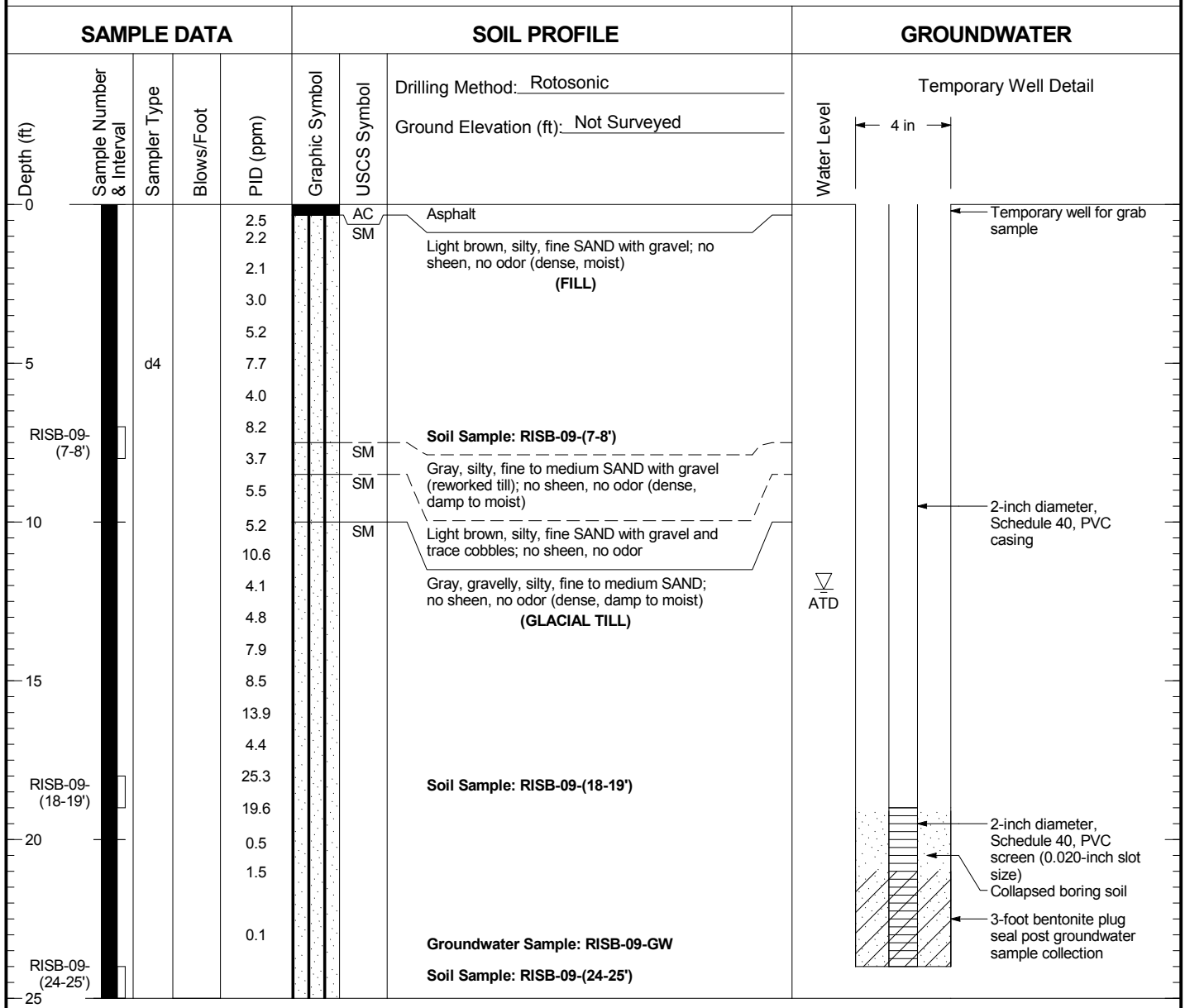
Log of Temporary Well RISB-08

Figure
A-13

RISB-09



Boring Completed 03/25/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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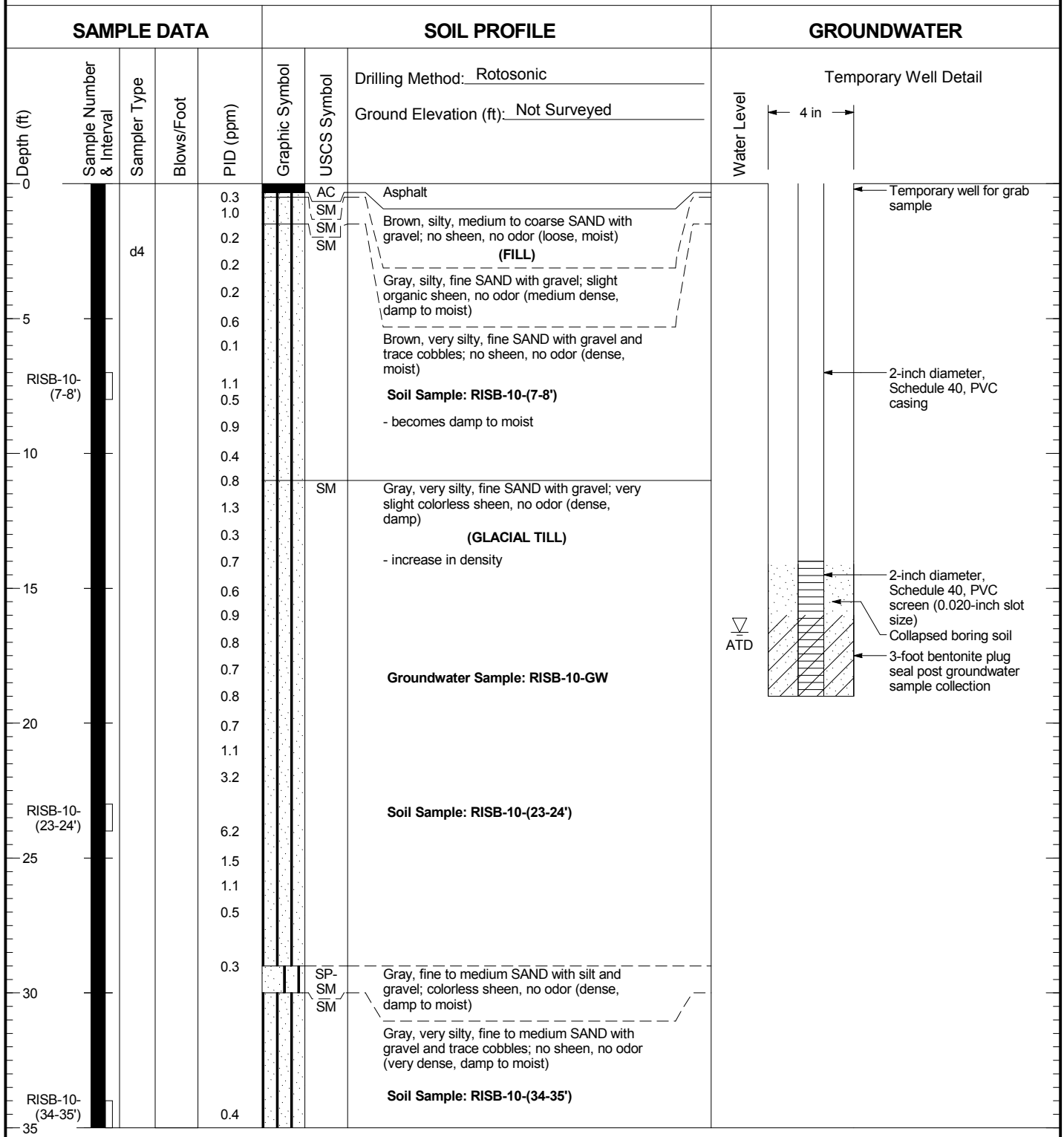
Log of Temporary Well RISB-09

Figure
A-14

RISB-10



Boring Completed 03/25/19
Total Depth of Boring = 35.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Temporary Well RISB-10

Figure
A-15

RISB-11

SAMPLE DATA					SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	
0				32.0		AC	Asphalt	
				0.9		SM	Light brown, silty, fine SAND with gravel and trace cobbles; no sheen, no odor (dense, moist)	Groundwater not encountered.
	RISB-11-(2-3')	d4		2.5			**(FILL)**	
				2.5			**Soil Sample: RISB-11-(2-3')**	
				4.8				
5				6.6				
				6.7				
				7.6				
				7.3		SM	Light brown, silty, fine SAND with gravel and trace cobbles; no sheen, no odor (loose, moist)	
				2.9		SM	**(WEATHERED GLACIAL TILL)**	
10				1.2			Gray, silty, fine to medium SAND with gravel; no sheen, no odor (dense, moist)	
				1.7			**(GLACIAL TILL)**	
				3.6				
				3.8			- becomes gravelly	
				2.4				
15				179			- becomes with gravel	
	RISB_11-(16-17')			223			**Soil Sample: RISB-11-(16-17')**	
				39.0				
				82.0				
				163				
20				4.5				
				3.1				
				3.6				
				10.8				
25				1.2				
				0.6				
				1.3				
				1.2				
				1.5				
30				0.7				
				1.1				
				0.2				
				0.6				
	RISB-11-(34-35')			0.2			**Soil Sample: RISB-11-(34-35')**	
35								

Boring Completed 03/25/19
Total Depth of Boring = 35.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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Log of Boring RISB-11

Figure
A-16

RISB-12

SAMPLE DATA					SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
0				7.2		AC	Asphalt	
		d4		5.9		SM	Gray-tan, silty, fine to medium SAND with gravel and trace cobbles (loose, damp) **(FILL)**	
				0.0			- have a slight sweet odor	
				6.1				
5				13.2				
				10.2			- becomes dense	
				7.1			- becomes medium dense	
				20.9			**Soil Sample: RISB-12-(10-10.5')**	
10	RISB-12-(10-10.5')			53.4			- 5 inch thick cobble in core	
				50.0		SM	Gray, silty, fine SAND with gravel, silt, and cobbles; no sheen, no odor (dense, moist) **(GLACIAL TILL)**	
				44.8				
15								
				103				
	RISB-12-(19-20')			306			**Soil Sample: RISB-12-(19-20')**	▽ ATD
20								
				110			- becomes very dense	
	RISB-12-(24-25')			254			**Soil Sample: RISB-12-(24-25')**	
25							Gray, silty, fine SAND with gravel, silt, and cobbles; no sheen, no odor (very dense, moist)	
				14.9			- increased sand for 1 foot	
				10.9				
				210				
30							- decrease in cobbles	
				12.3				
							- becomes dense	
				23.0				
35								

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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Log of Boring RISB-12

Figure
A-17
(1 of 2)

RISB-12

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
35				29.0 26.2 9.5			Gray, silty, fine SAND with gravel, silt, and cobbles; no sheen, no odor (very dense, moist)	
				27.3				
40				262 1.9				
	RISB-12-(41.5-42.5')						**Soil Sample: RISB-12-(41.5-42.5')**	

Boring Completed 04/01/19
Total Depth of Boring = 42.5 ft.

45

50

55

60

65

70

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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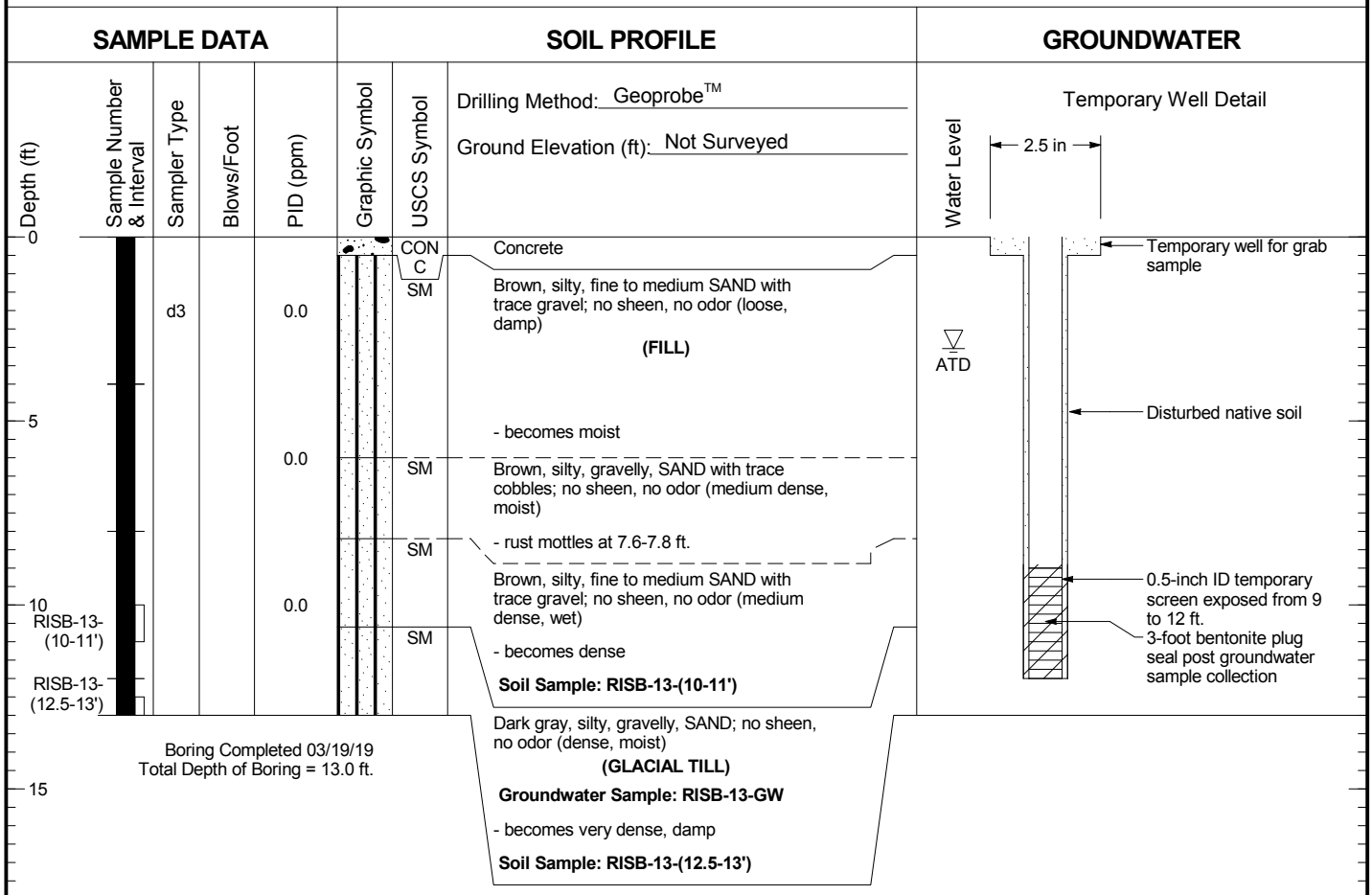
Log of Boring RISB-12

Figure
A-17
(2 of 2)

RISB-13



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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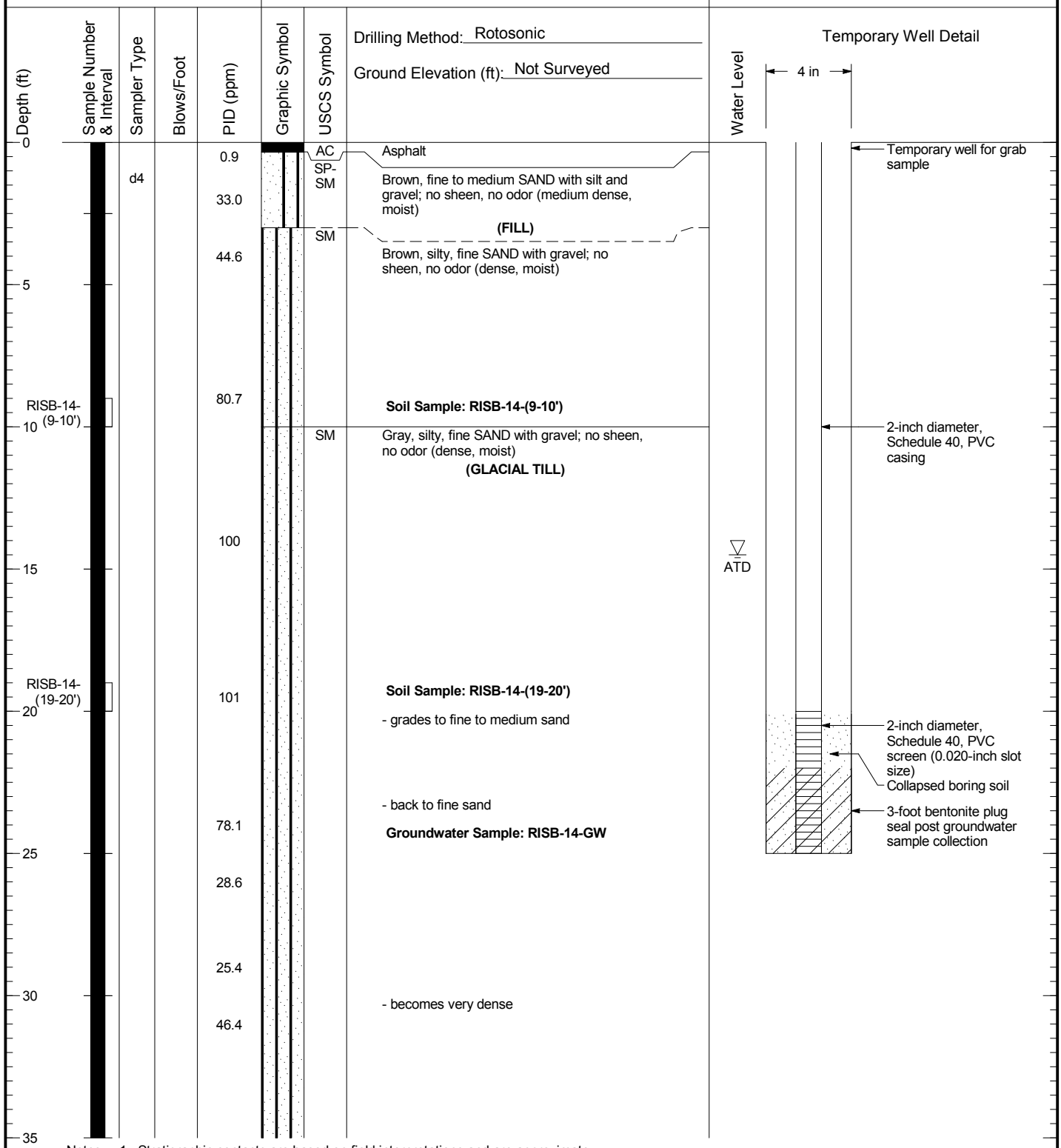
Log of Temporary Well RISB-13

Figure
A-18

RISB-14



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Temporary Well RISB-14

Figure
A-19
(1 of 2)

RISB-14

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
35				23.4		SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, moist) **(GLACIAL TILL)**	Temporary Well Detail
				83.7				
40				33.0				
	RISB-14-(44-45')			68.5			**Soil Sample: RISB-14-(44-45')**	
45								

Boring Completed 04/01/19
Total Depth of Boring = 45.0 ft.

50
55
60
65
70

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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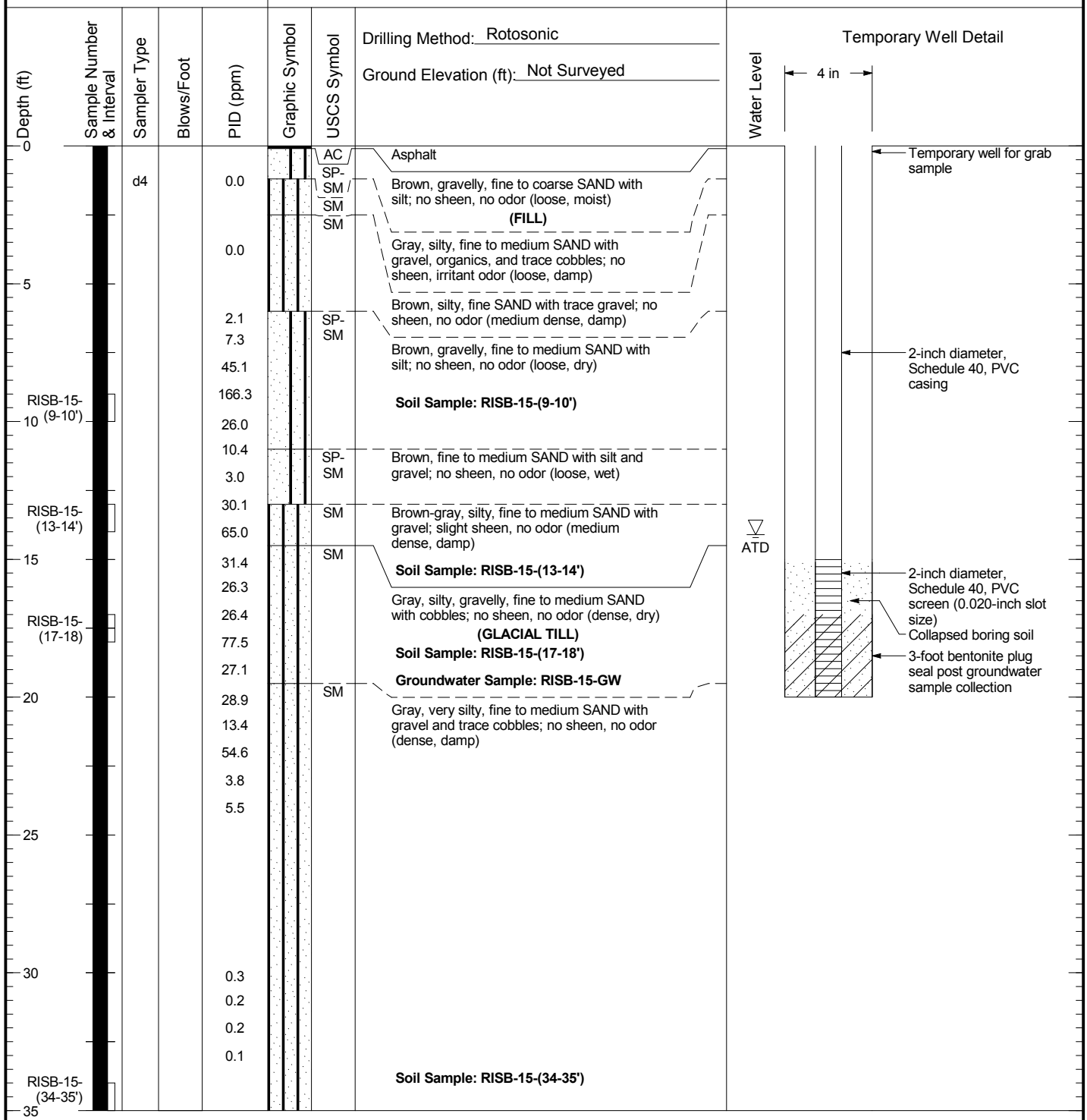
Log of Temporary Well RISB-14

Figure
A-19
(2 of 2)

RISB-15



Boring Completed 03/21/19
Total Depth of Boring = 35.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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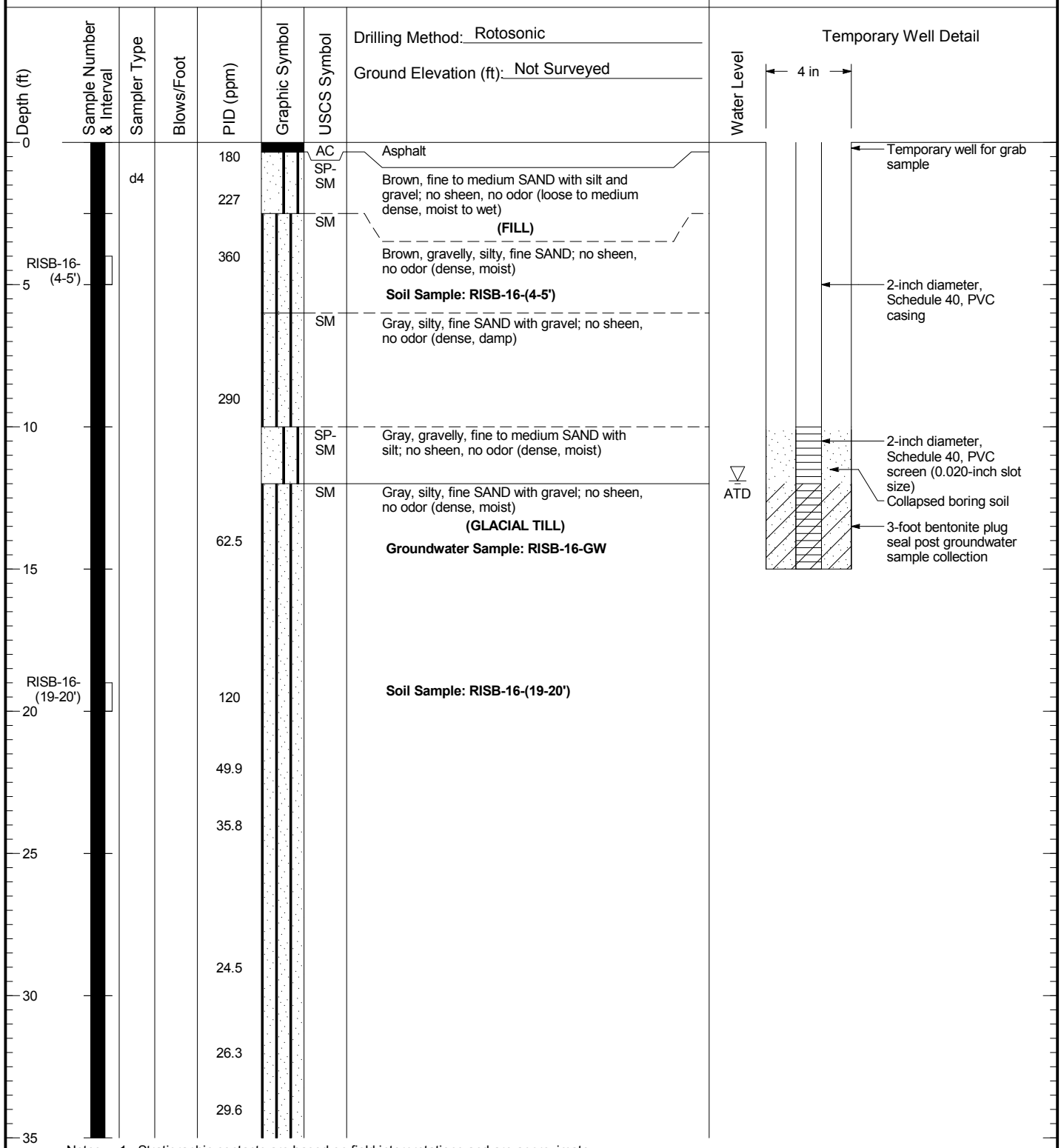
Log of Temporary Well RISB-15

Figure
A-20

RISB-16



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Temporary Well RISB-16

Figure
A-21
(1 of 2)

RISB-16

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
35						SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, moist) **(GLACIAL TILL)**	Temporary Well Detail
				24.6				
				51.4				
40								
				34.5				
	RISB-16-(44-45')							
45								

Boring Completed 04/01/19
Total Depth of Boring = 45.0 ft.

50
55
60
65
70

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Temporary Well RISB-16

Figure
A-21
(2 of 2)

RISB-17

SAMPLE DATA | **SOIL PROFILE** | **GROUNDWATER**

Drilling Method: Rotosonic

Ground Elevation (ft): Not Surveyed

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Soil Description
0				0.0		AC	Asphalt
		d4		4.2		SP-SM / SM	Black-brown, fine to coarse SAND with silt and gravel; no sheen, no odor (loose, damp) **(FILL)**
				42.3			
				8.0			Tan, silty, fine SAND with gravel; no sheen, no odor (medium dense, moist)
				11.4			
5				10.0			
				29.5		SP-SM / SM	Tan, fine SAND with silt and gravel; no sheen, no odor (dense, moist)
				20.2			Tan, silty, fine SAND with gravel; no sheen, no odor (medium dense, moist)
				21.0		SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, moist) **(GLACIAL TILL)**
10				18.5			
				15.2			
				50.0		SP	Dark gray, fine to medium SAND lens
				13.0		SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, moist)
15				182			
				395			
	RISB-17-(18-19')			880			**Soil Sample: RISB-17-(18-19')**
				470			
20				78.8			
				304		SP-SM / SM	Gray, medium to coarse SAND with gravel and silt and trace cobbles
				16.3			Gray, silty, fine SAND with gravel; no sheen, no odor (dense to very dense, moist)
25				551			**Groundwater Sample: RISB-17-GW**
				40.0			
30				136			
				287			
	RISB-17-(34-35')			1850			
35							

Temporary Well Detail

Water Level: ATD

4 in

- Temporary well for grab sample
- 2-inch diameter, Schedule 40, PVC casing
- 2-inch diameter, Schedule 40, PVC screen (0.020-inch slot size)
- Collapsed boring soil
- 3-foot bentonite plug seal post groundwater sample collection

Notes:
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Log of Temporary Well RISB-17

Figure
A-22
(1 of 2)

RISB-17

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
35						SM	**Soil Sample: RISB-17-(34-35')** Gray, silty, fine SAND with gravel; no sheen, no odor (dense to very dense, moist) - becomes very dense	Temporary Well Detail
				1084				
40						SP	Gray, medium to coarse SAND coarsening down (dense, damp)	
						SM	Gray, silty, fine SAND with gravel; no sheen, no odor (very dense, moist) - increase in cobbles	
	RISB-17-(44-45')			385			**Soil Sample: RISB-17-(44-45')**	
45								

Boring Completed 03/29/19
Total Depth of Boring = 45.0 ft.

50

55

60

65

70

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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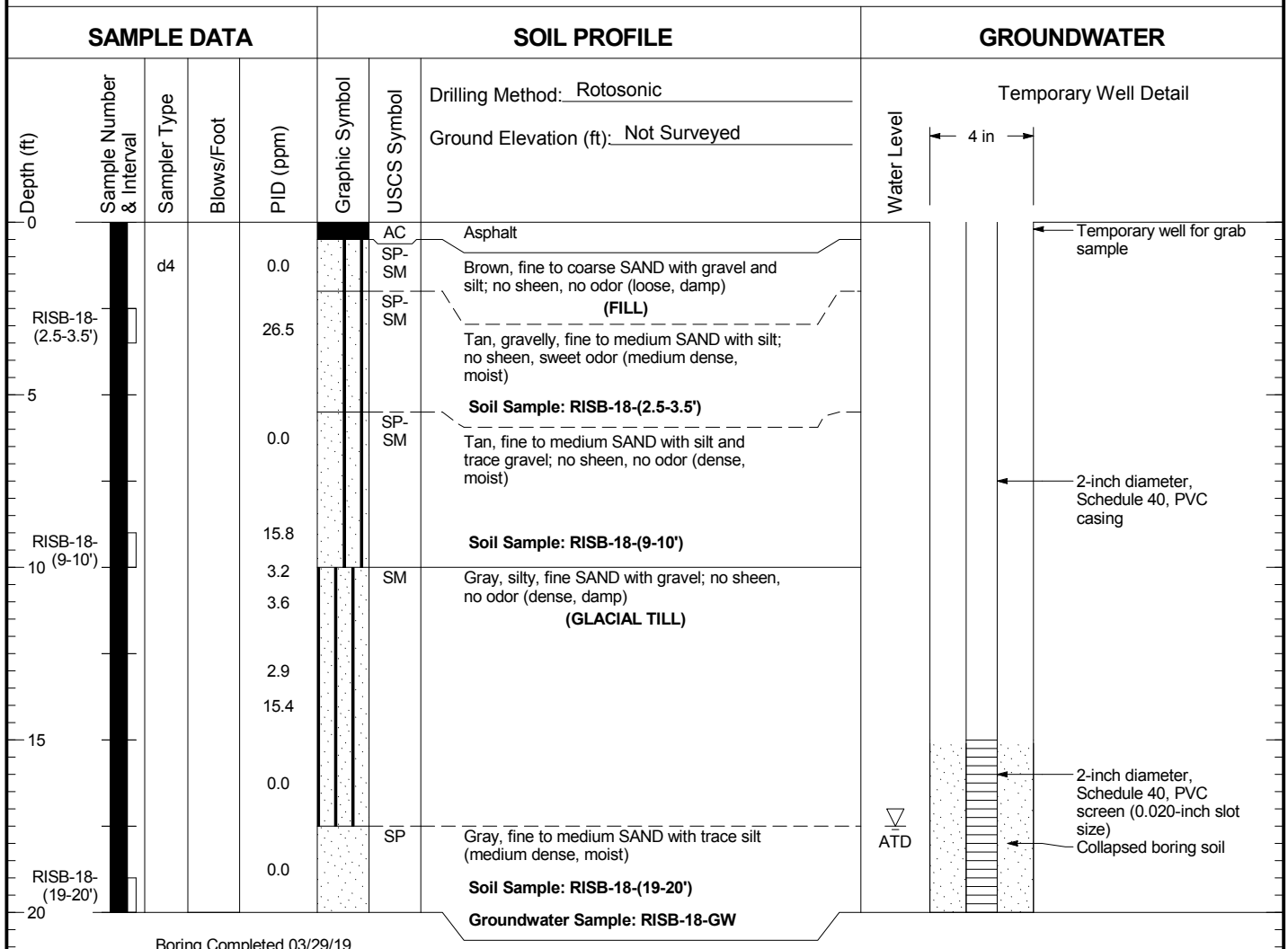
Log of Temporary Well RISB-17

Figure
A-22
(2 of 2)

RISB-18



Boring Completed 03/29/19
Total Depth of Boring = 20.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Temporary Well RISB-18

Figure
A-23

RISB-19

SAMPLE DATA					SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Temporary Well Detail
0						AC	Asphalt	4 in
				1.0		SP-SM	Brown, fine to coarse SAND with gravel and silt; no sheen, sweet odor (loose, damp) **(FILL)**	1/4" Tubing (Teflon-lined)
		d4		10.9				
	RISB-19-(1.5-2')					SP-SM	Brownish-black, SAND with silt and organics; no sheen, strong sweet odor (loose, damp)	Hydrated Bentonite Grout
2						SM	**Soil Sample: RISB-19-(1.5-2')**	
							Brown, silty, fine SAND with cobbles and wood chips; no sheen, organic odor (loose, damp)	
				5.0				Dry Granular Bentonite
						SM	Tan, silty, fine SAND with gravel and trace roots; no sheen, no odor (medium dense, moist)	2/12 Silica Sand
4				3.6			**Soil Gas Sample: RISG-19-190402**	Stainless Steel Vapor Implant screened from 4 to 4.5 feet
				5.5			- becomes very dense	
6				14.2				
8				15.8				
	RISB-19-(8.5-9.5')					SM	Gray, very silty, fine SAND with gravel; no sheen, no odor (dense, damp) **(GLACIAL TILL)**	
				36.4			**Soil Sample: RISB-19-(8.5-9.5')**	
10				0.0				

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Temporary Well RISB-19

Figure
A-24
(1 of 2)

RISB-19

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Temporary Well Detail
				1.8		SM	Gray, very silty, fine SAND with gravel; no sheen, no odor (dense, damp) **(GLACIAL TILL)**	
12				0.1				
14	RISB-19-(14-15')			0.3			**Soil Sample: RISB-19-(14-15')**	

Boring Completed 03/29/19
Total Depth of Boring = 15.0 ft.

16
18
20
22

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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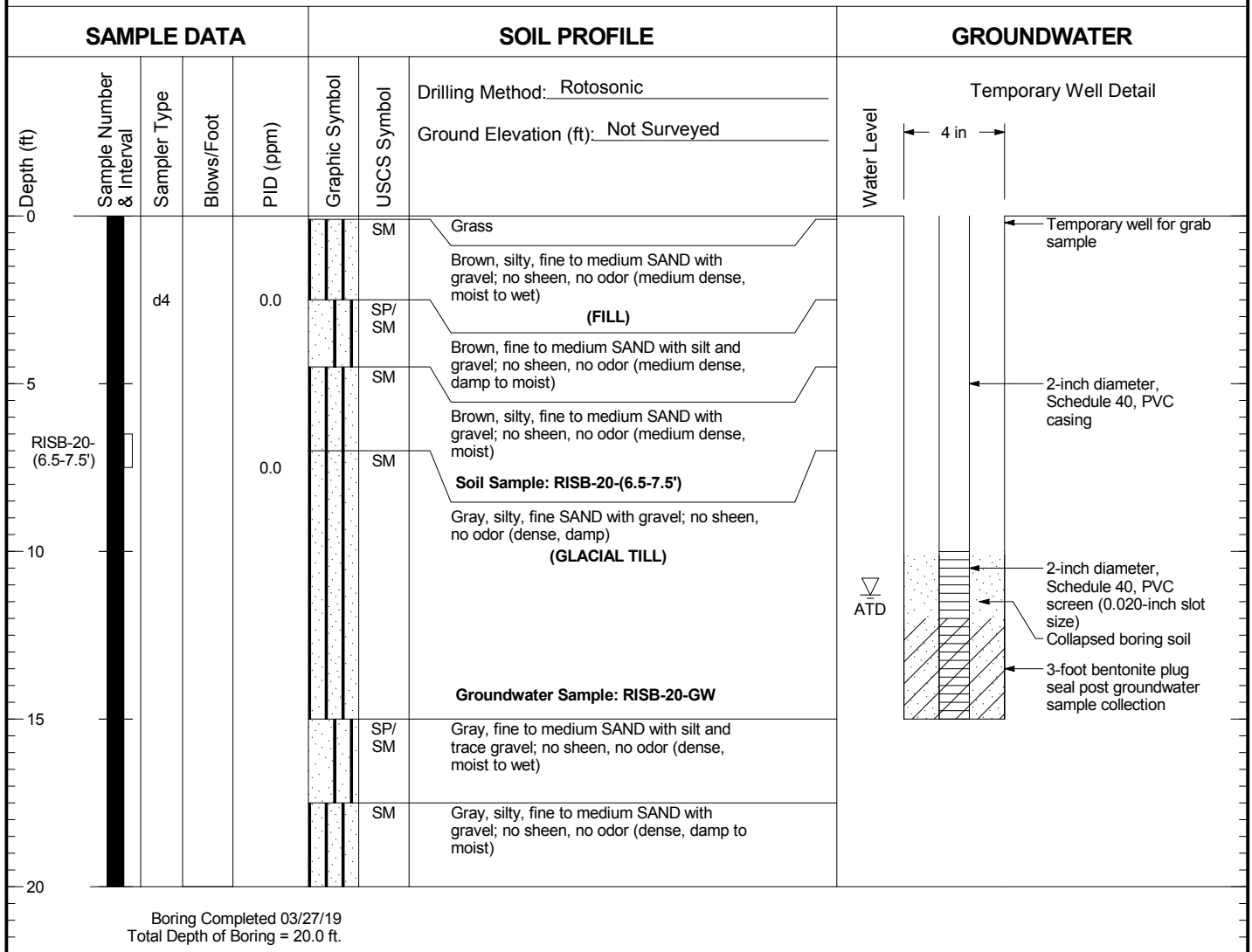
Log of Temporary Well RISB-19

Figure
A-24
(2 of 2)

RISB-20



Boring Completed 03/27/19
Total Depth of Boring = 20.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-20

Figure
A-25

RISB-21

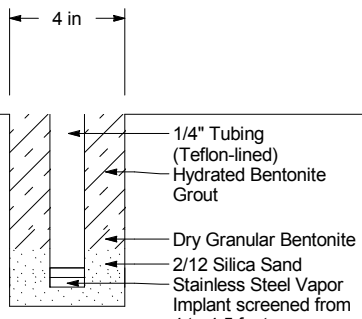
SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	
0				0.0		AC	Asphalt
		d4		0.3		SP-SM	Brown-gray, medium to coarse SAND with silt and gravel; no sheen, no odor (loose, damp)
				0.5		SM	
				0.7		SM	**(FILL)**
				0.6			Brownish-black, very silty, fine SAND with gravel; no sheen, no odor (medium dense, damp)
5				0.9			
				1.1			Tan, silty, fine SAND with gravel and rust mottled throughout; no sheen, no odor (dense, moist)
				1.4			
				12.1			**Groundwater Sample: RISB-21-GW**
10						SM	Gray, silty, fine SAND with gravel; no sheen, no odor (very dense, moist)
				3.1			**(GLACIAL TILL)**
				11.9			
	RISB-21-(12.5-13.5')			27.0			**Soil Sample: RISB-21-(12.5-13.5')**
				3.6			
15				1.2			
				4.2			
				1.0			
	RISB-21-(19-20')			0.0			**Soil Sample: RISB-21-(19-20')**
20							

Drilling Method: Rotosonic

Ground Elevation (ft): Not Surveyed

Water Level: Groundwater not encountered.

Temporary Well Detail



Boring Completed 03/28/19
Total Depth of Boring = 20.0 ft.

25
30
35

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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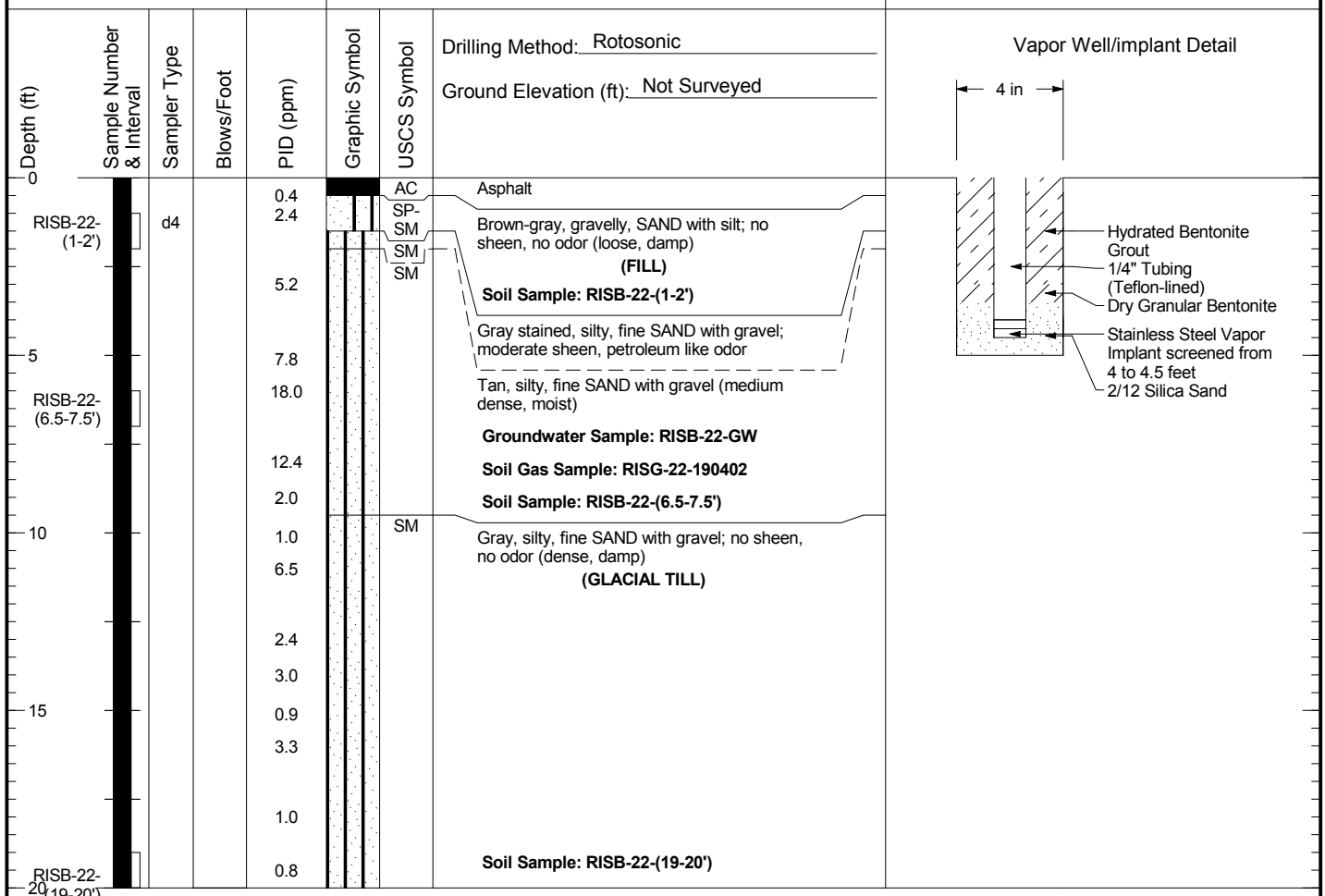
Log of Temporary Well RISB-21

Figure
A-26

RISB-22



Boring Completed 03/28/19
Total Depth of Boring = 20.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/31/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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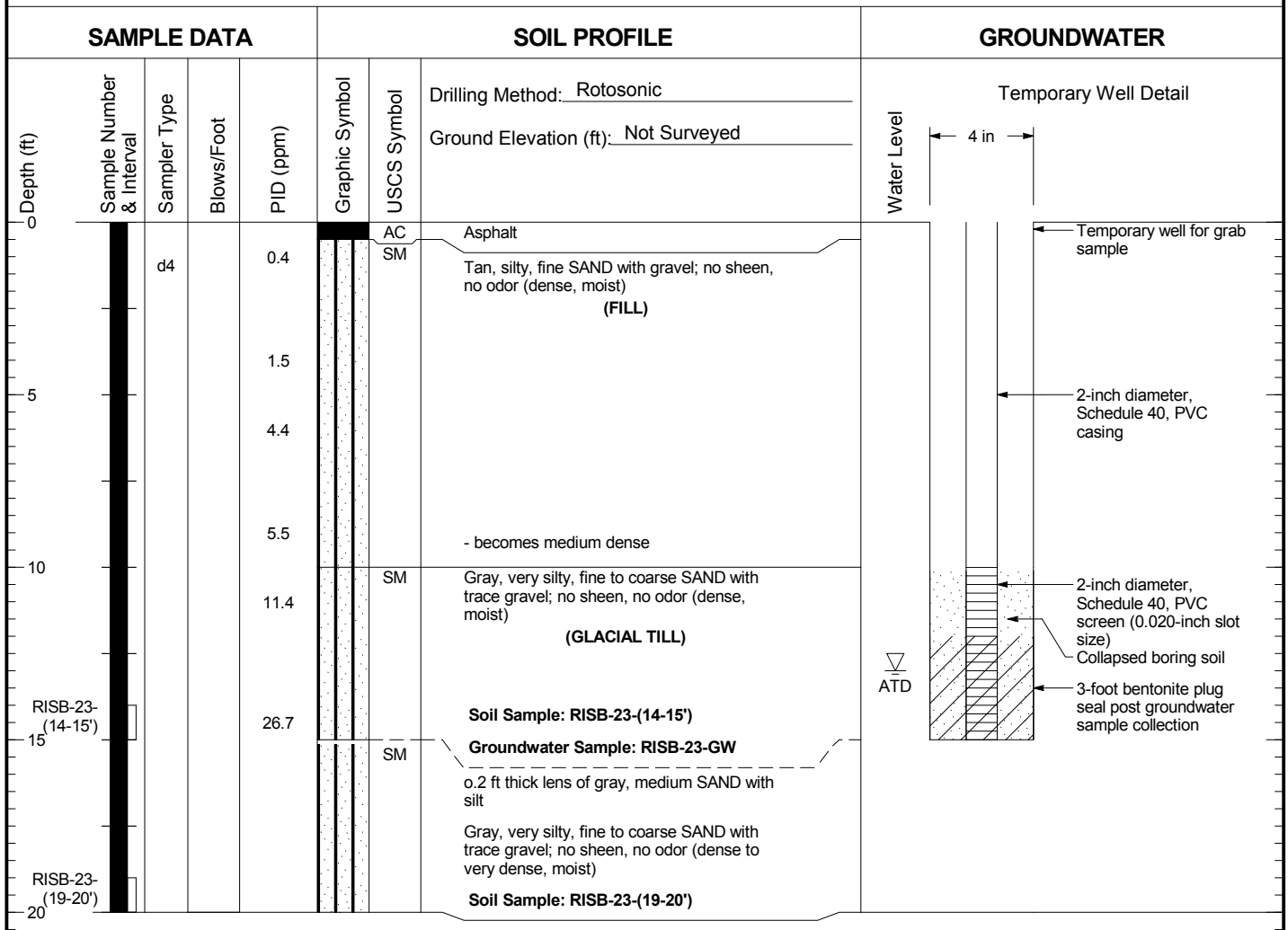
Log of Vapor Well/Implant RISB-22

Figure
A-27

RISB-23



Boring Completed 03/28/19
Total Depth of Boring = 20.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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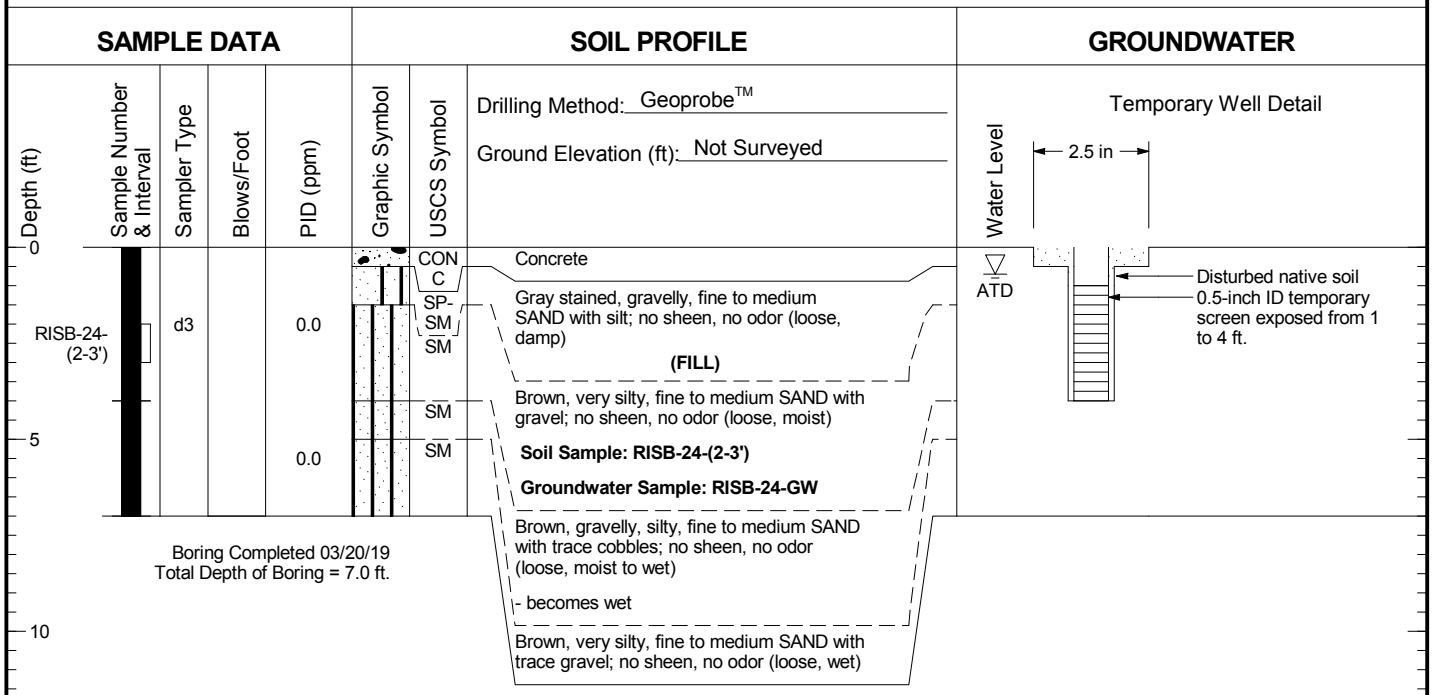
Log of Temporary Well RISB-23

Figure
A-28

RISB-24



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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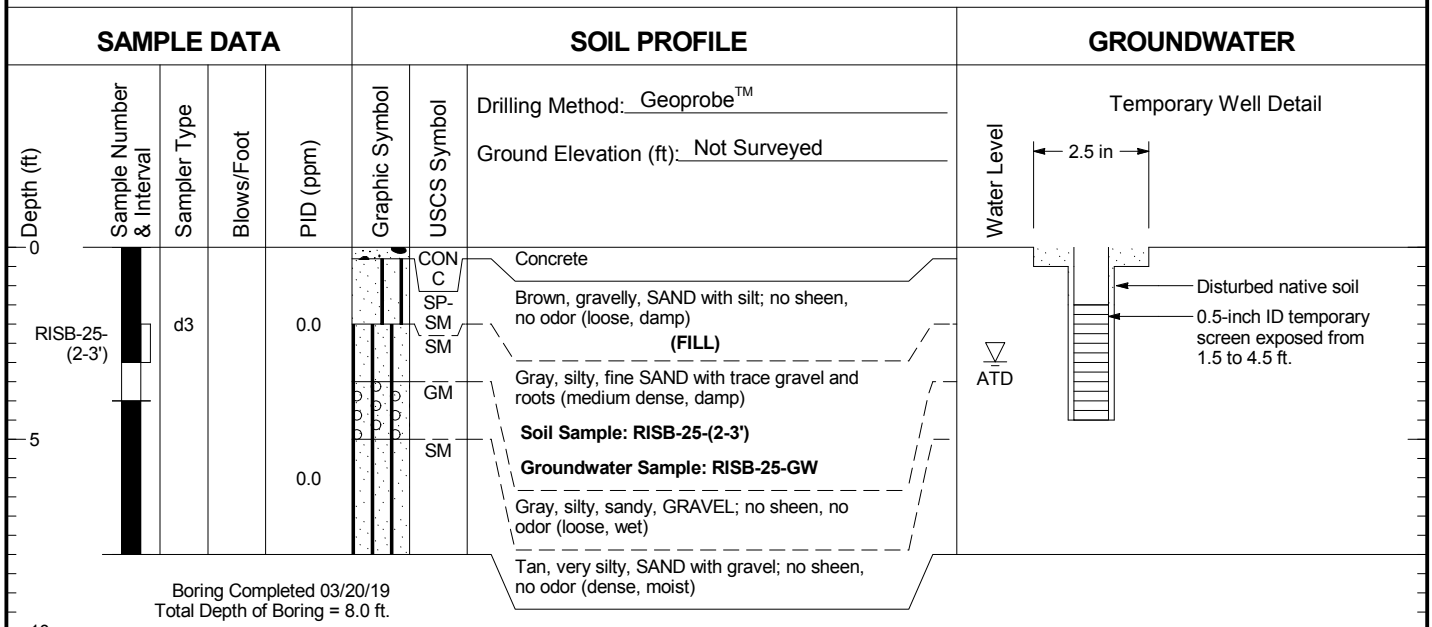
Log of Temporary Well RISB-24

Figure
A-29

RISB-25



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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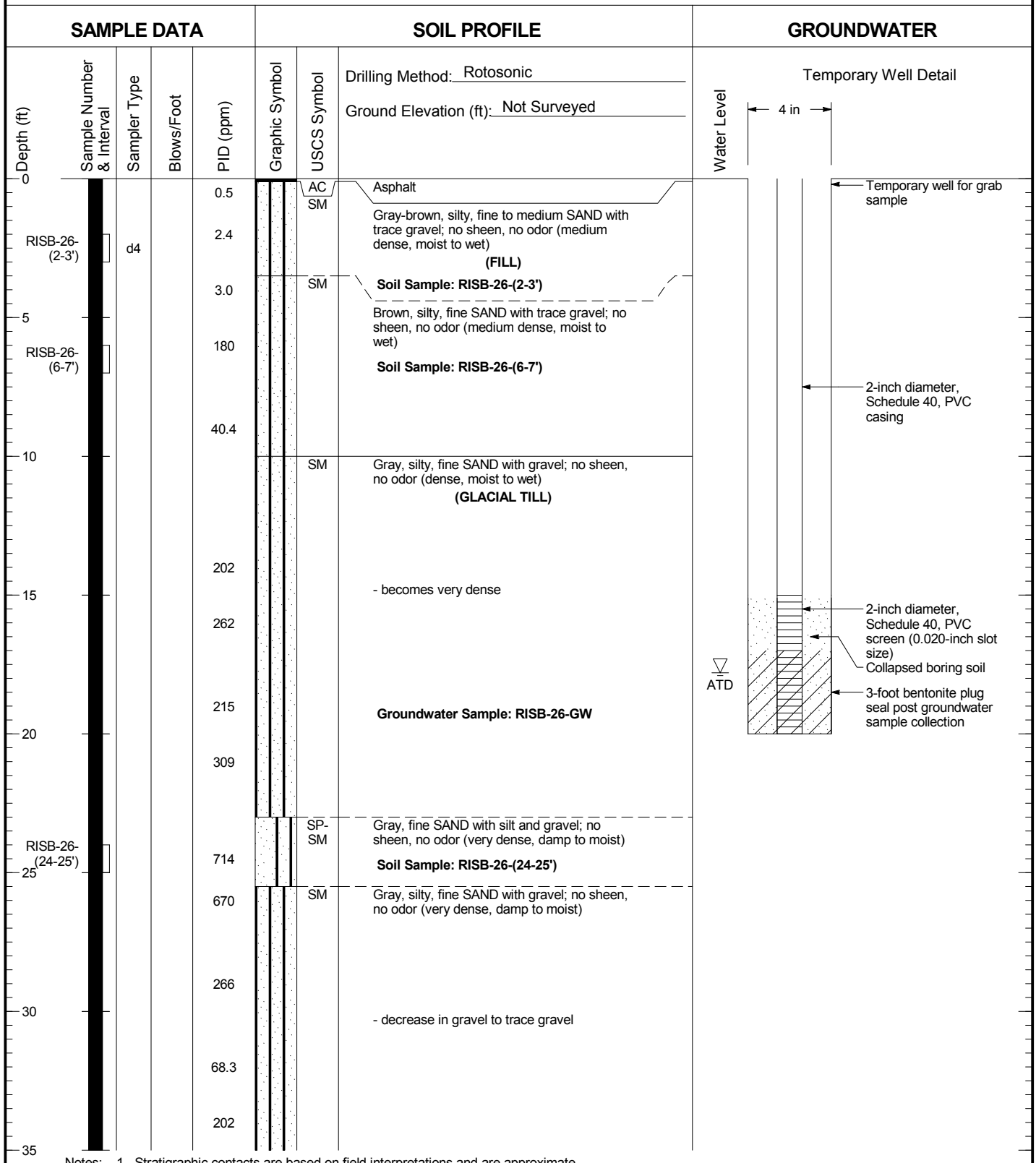
Log of Temporary Well RISB-25

Figure
A-30

RISB-26



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-26

Figure
A-31
(1 of 2)

RISB-26

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
35				14.7		SM	Gray, silty, fine SAND with gravel; no sheen, no odor (very dense, damp to moist) - with cobbles	Temporary Well Detail
40				16.7 9.6				
45	RISB-26-(44-45')			34.7				

Boring Completed 04/02/19
Total Depth of Boring = 45.0 ft.

50
55
60
65
70

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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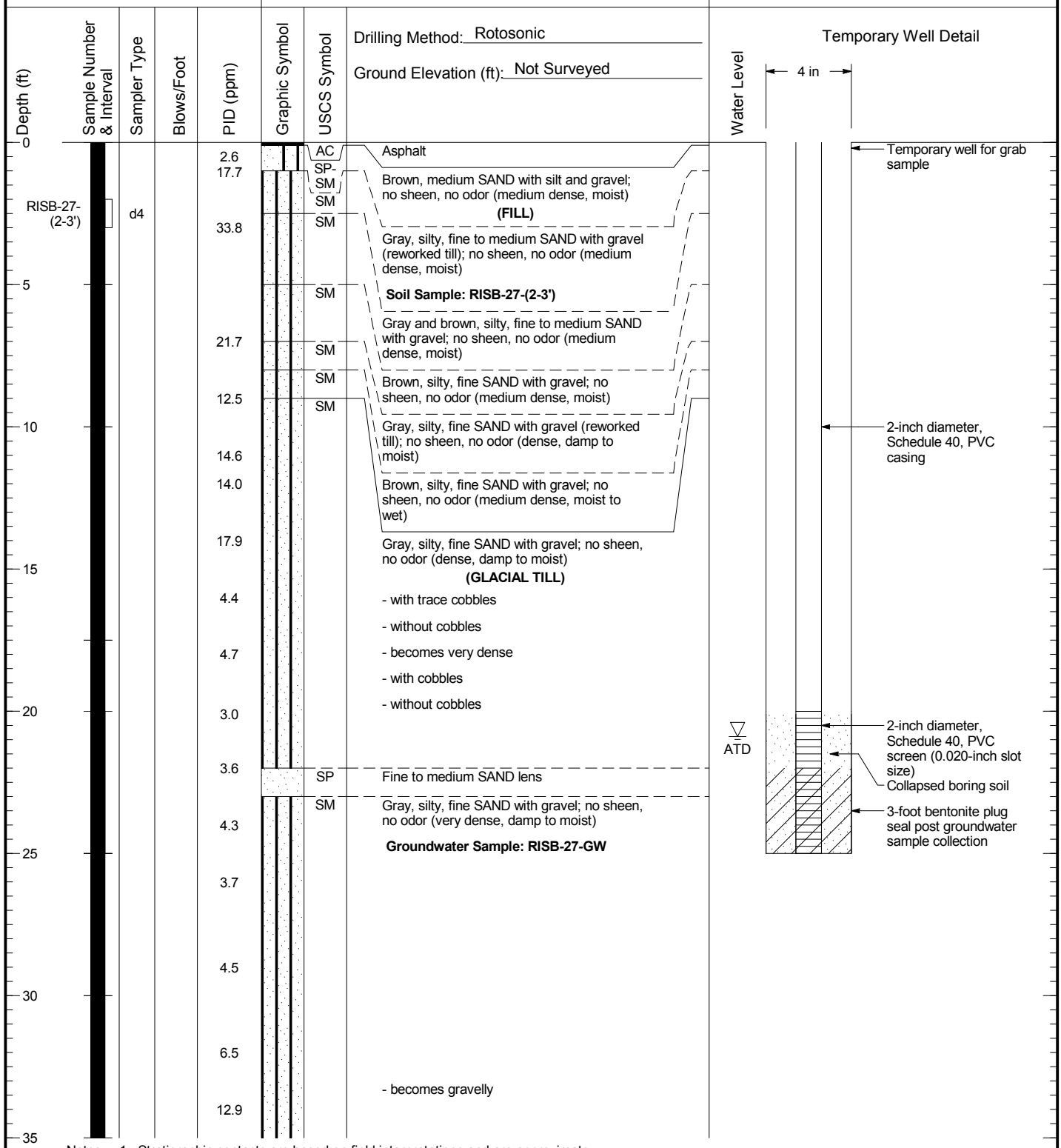
Log of Temporary Well RISB-26

Figure
A-31
(2 of 2)

RISB-27



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-27

Figure
A-32
(1 of 2)

RISB-27

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
35						SM	Gray, silty, fine SAND with gravel; no sheen, no odor (very dense, damp to moist)	Temporary Well Detail
				3.0			- with gravel	
	RISB-27-(39-40')			38.9			**Soil Sample: RISB-27-(39-40')**	
40							- becomes gravelly	
				23.8				
	RISB-27-(44-45')			30.4			**Soil Sample: RISB-27-(44-45')**	
45								

Boring Completed 04/02/19
Total Depth of Boring = 45.0 ft.

50

55

60

65

70

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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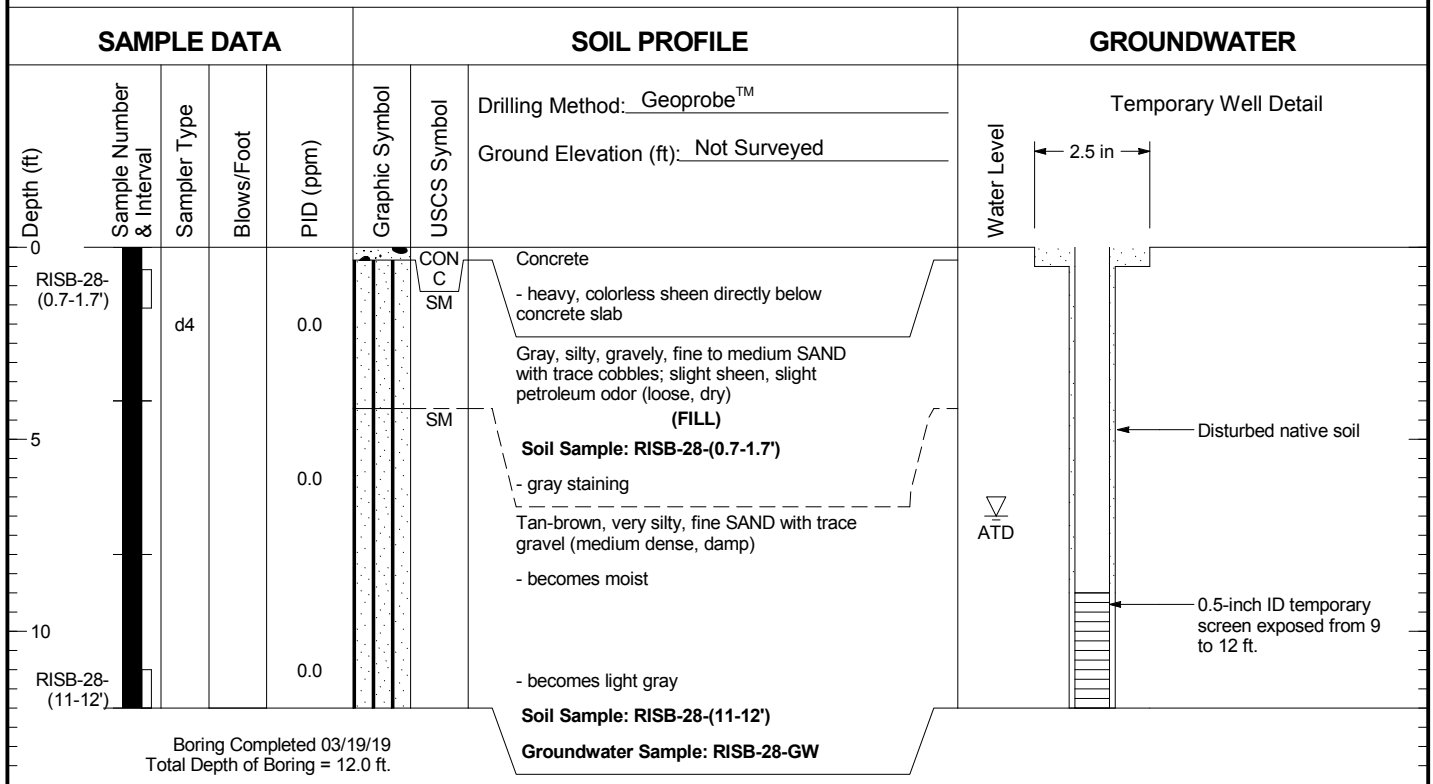
Log of Temporary Well RISB-27

Figure
A-32
(2 of 2)

RISB-28



Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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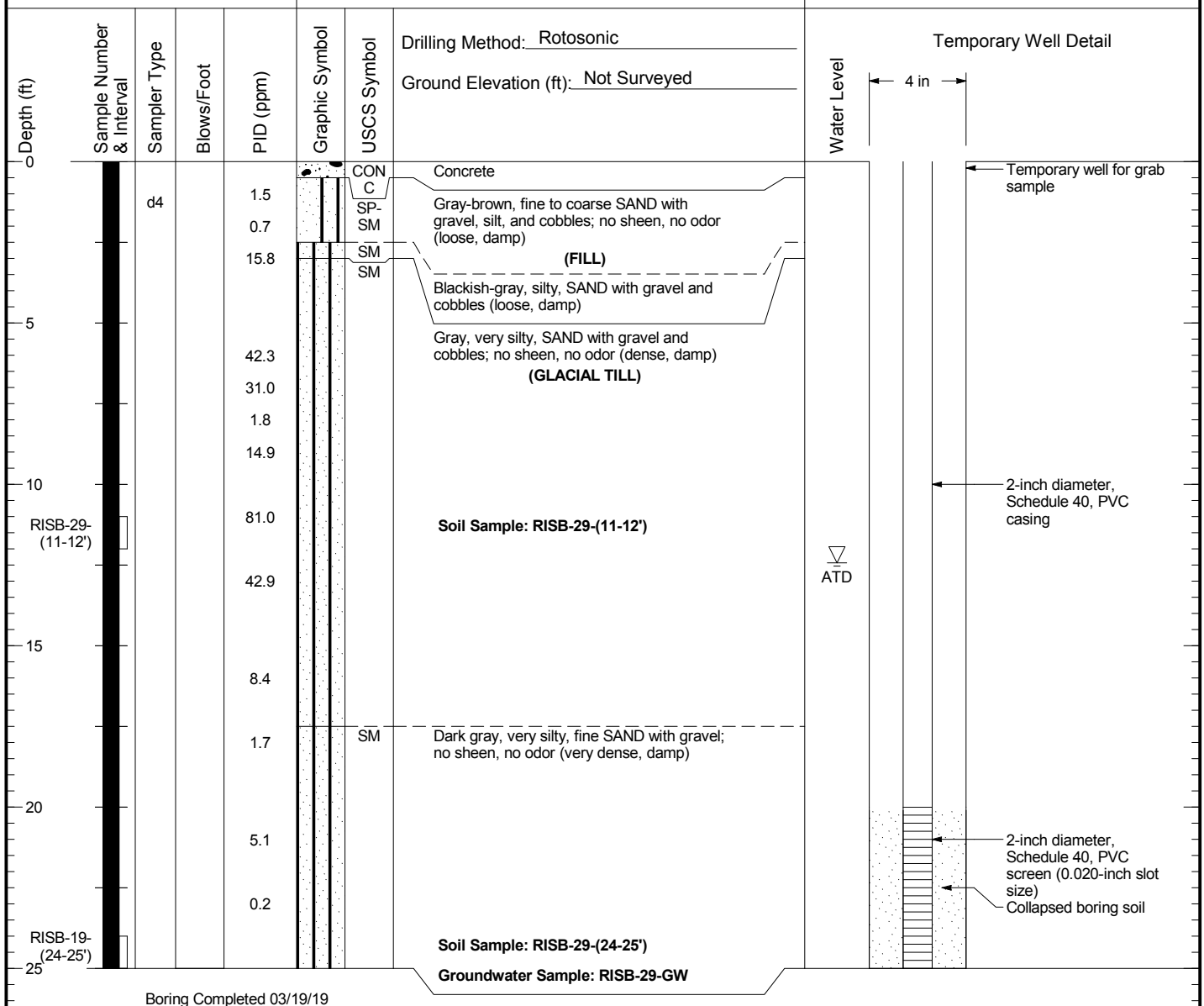
Log of Temporary Well RISB-28

Figure
A-33

RISB-29



Boring Completed 03/19/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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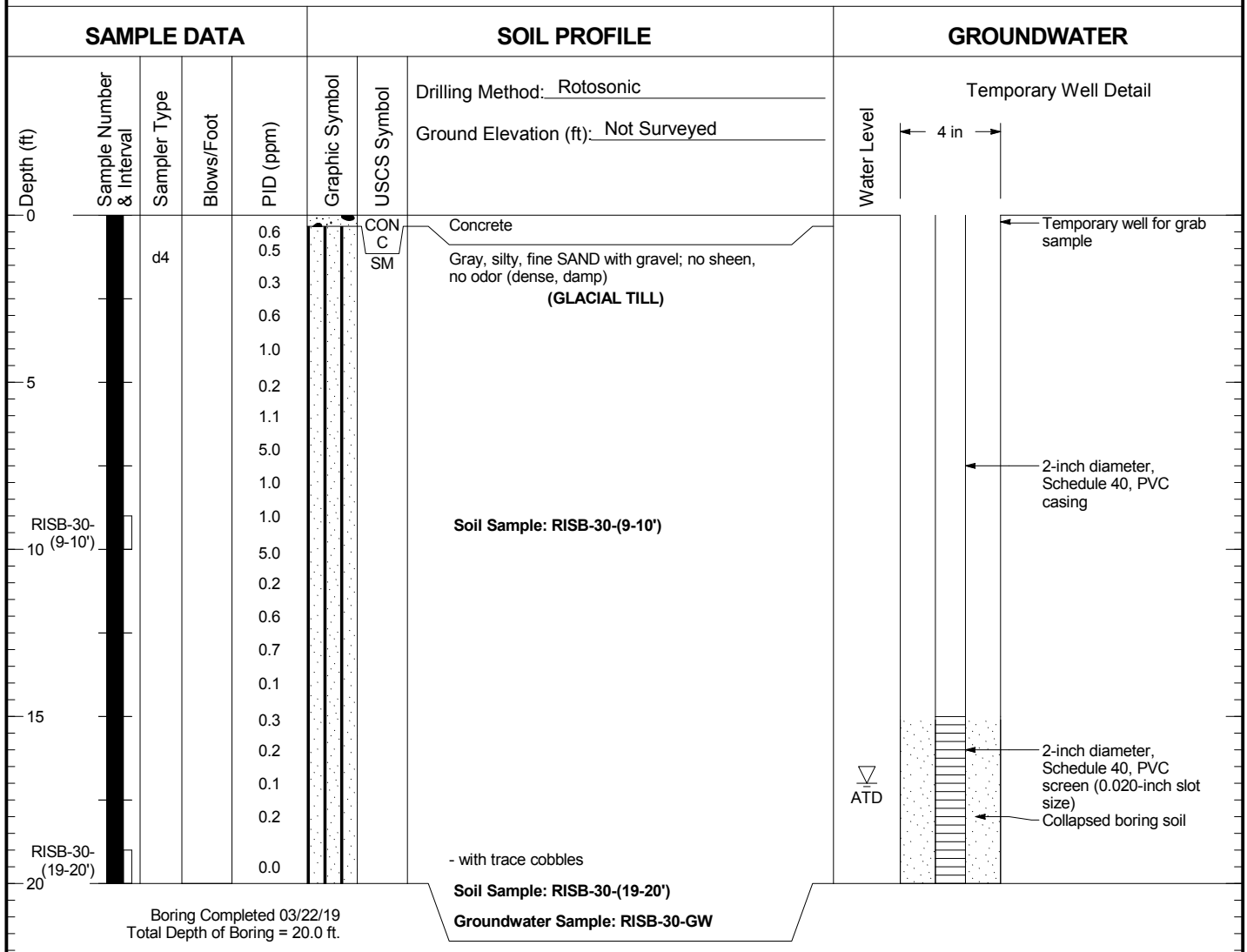
Log of Temporary Well RISB-29

Figure
A-34

RISB-30



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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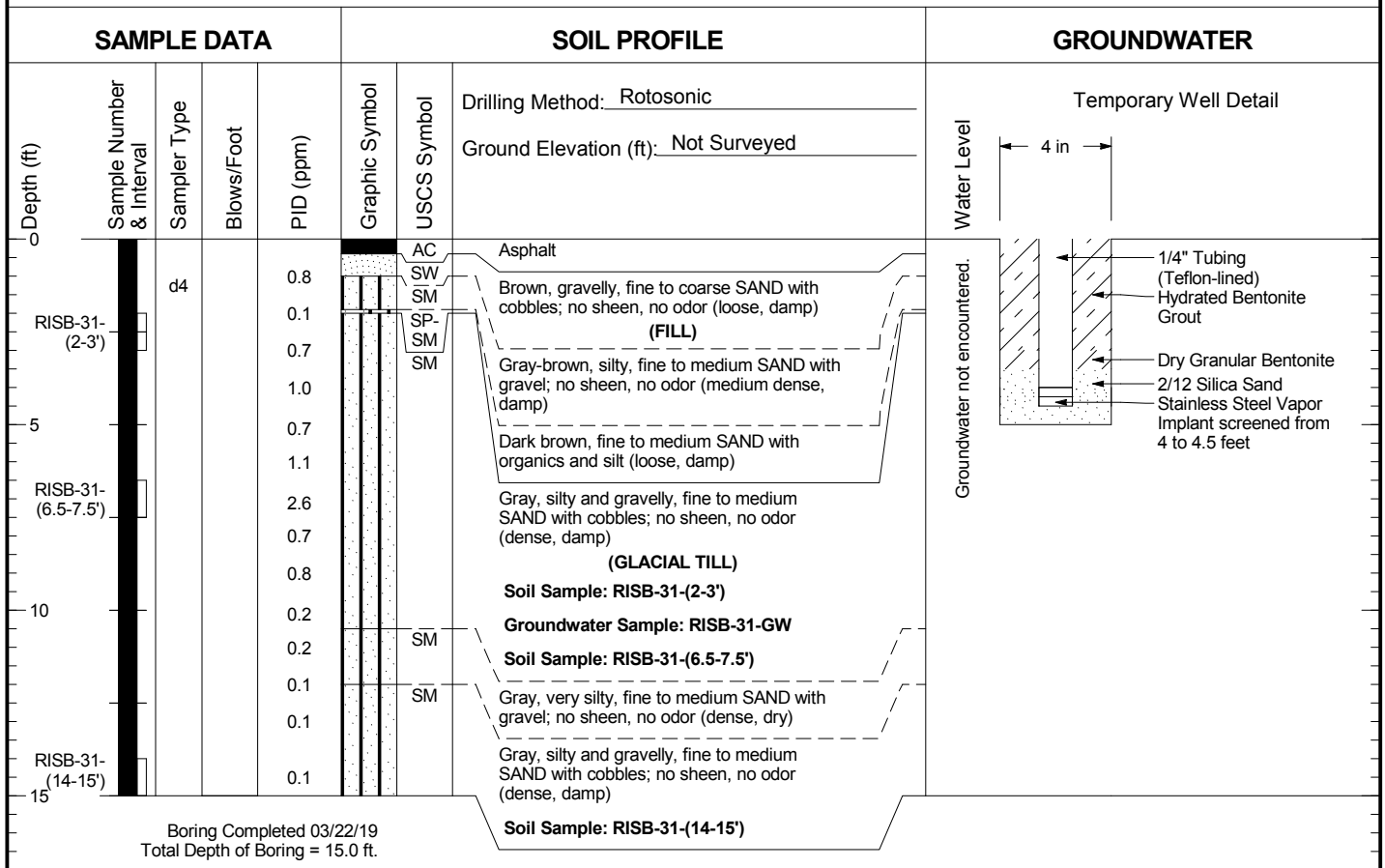
Log of Temporary Well RISB-30

Figure
A-35

RISB-31



Boring Completed 03/22/19
Total Depth of Boring = 15.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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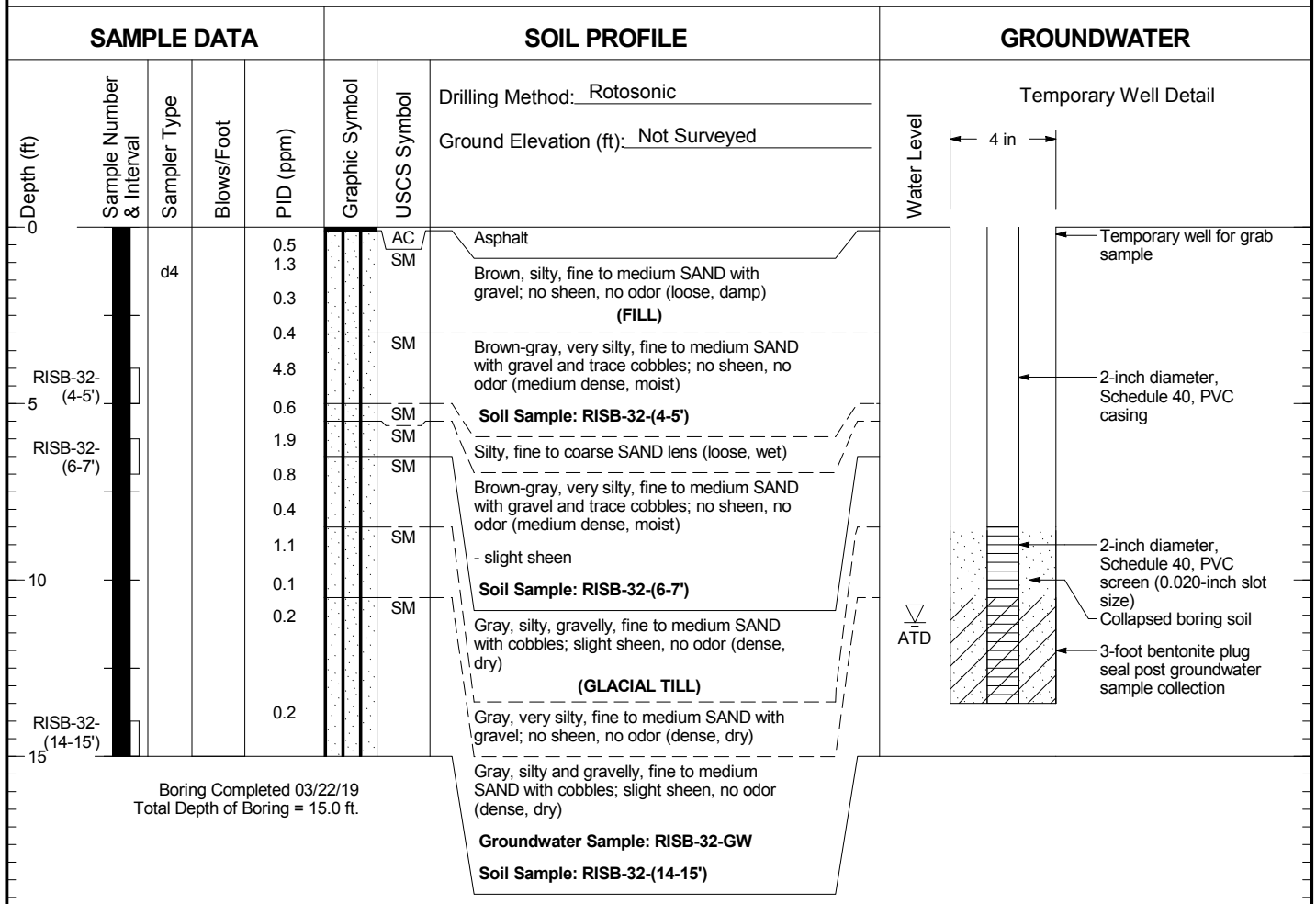
Log of Temporary Well RISB-31

Figure
A-36

RISB-32



Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-32

Figure
A-37

RISB-33

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): Not Surveyed	
0						CONC	Concrete	
	RISB-33-(2.5-3.5')	d3		0.0		SW-SM	Brown, fine to coarse SAND with silt and gravel; very slight colorless sheen, very slight petroleum like odor (medium dense, damp) **(FILL)**	Groundwater not encountered.
						SM	**Soil Sample: RISB-33-(2.5-3.5')**	
5						SM	Tan, very silty, fine SAND with trace gravel (rust mottled); no sheen, no odor (dense, damp)	
				0.0			Gray, very silty, fine SAND with gravel; no sheen, no odor (very dense, damp) **(GLACIAL TILL)**	
	RISB-33-(9-10')						**Soil Sample: RISB-33-(9-10')**	
10								

Boring Completed 03/15/19
Total Depth of Boring = 10.0 ft.

15
20
25
30
35

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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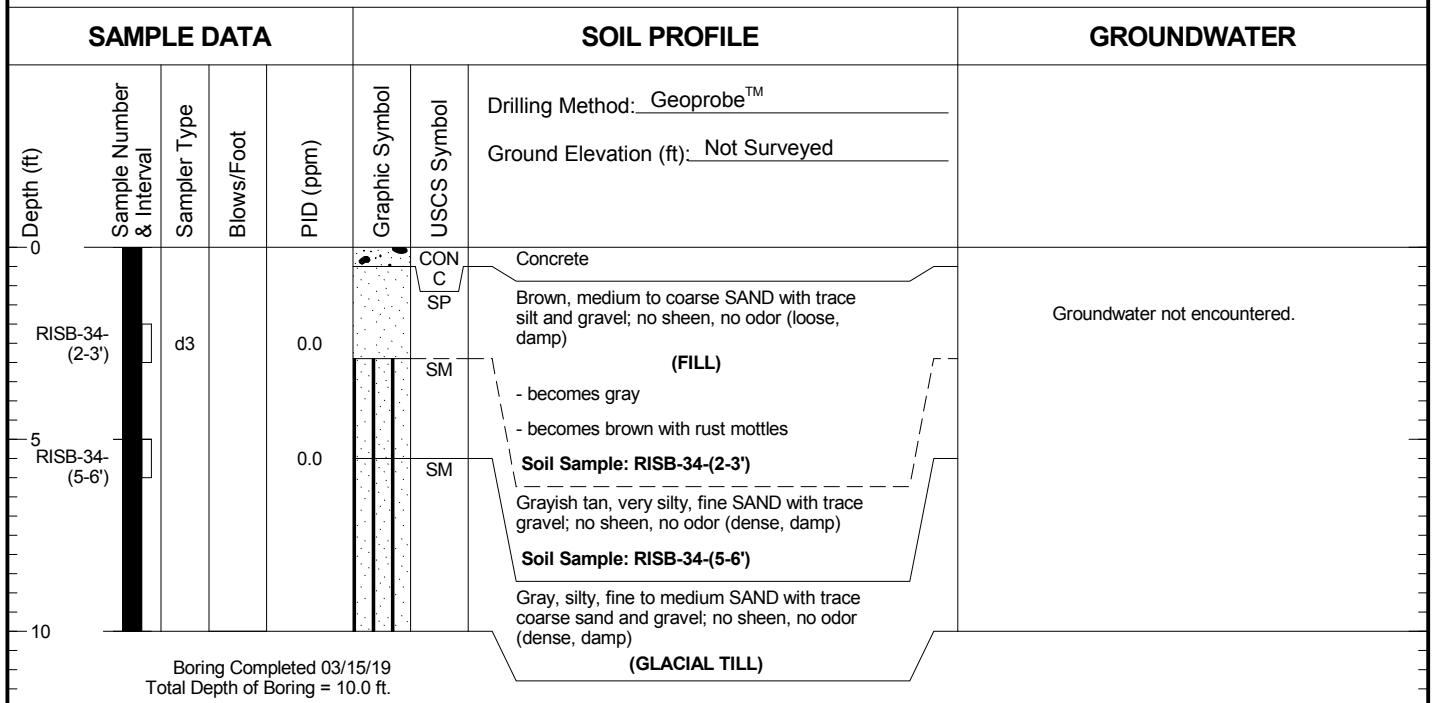
Log of Boring RISB-33

Figure
A-38

RISB-34



Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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Log of Boring RISB-34

Figure
A-39

RISB-35

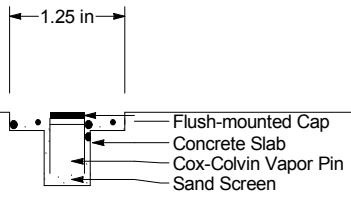
SAMPLE DATA | **SOIL PROFILE** | **SOIL GAS/VAPOR**

Drilling Method: Geoprobe™

Ground Elevation (ft): Not Surveyed

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Description
0						CONC	Concrete
						SW-SM	Brown-gray, fine to coarse SAND with silt and gravel; no sheen, no odor (loose, damp) **(FILL)** **Soil Gas Sample: RISG-35-190409**
2		d3		0.0			
	RISB-35-(3.5-4.5')						**Soil Sample: RISB-35-(3.5-4.5')**
4						SM	Gray, silty, fine SAND with trace gravel; no sheen, no odor (dense, damp) **(GLACIAL TILL)**
6				0.0			
8							
10							

Vapor Well/implant Detail



Boring Completed 03/14/19
Total Depth of Boring = 9.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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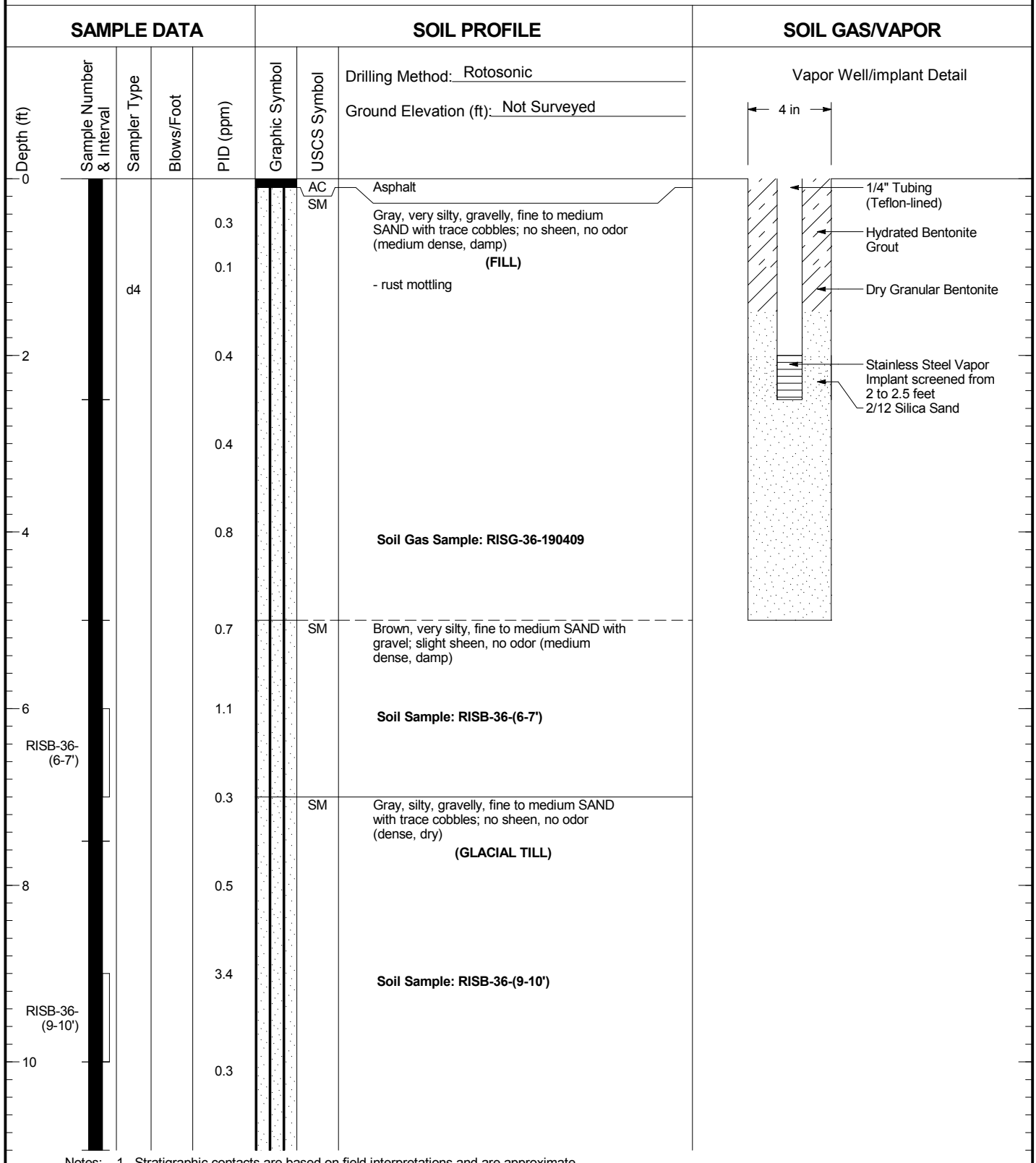
Log of Vapor Well/Implant RISB-35

Figure
A-40

RISB-36



Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISB-36

Figure
A-41
(1 of 2)

RISB-36

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Vapor Well/implant Detail
				1.1		SM	Gray, silty, gravelly, fine to medium SAND with trace cobbles; no sheen, no odor (dense, dry) **(GLACIAL TILL)**	
12				0.6				
				0.0				
14				0.4			- becomes moist	
				0.7		SM	Very silty, fine to medium SAND with gravel and trace cobbles; no sheen, no odor (dense, moist)	
16				0.3				
				0.1				
18				0.0		SM	Brown-gray, silty, fine SAND with trace gravel; no sheen, no odor (dense, moist)	
				0.1		SM	Very silty, fine to medium SAND with gravel and trace cobbles; no sheen, no odor (dense, moist)	
	RISB-36-(19-20')						**Soil Sample: RISB-36-(19-20')**	
20								

Boring Completed 03/21/19
Total Depth of Boring = 20.0 ft.

22

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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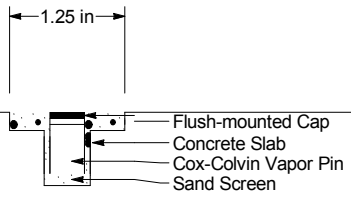
Log of Vapor Well/Implant RISB-36

Figure
A-41
(2 of 2)

RISB-37

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): Not Surveyed
0						CONC	Concrete
	RISB-37-(0.5-1.5')					SP-SM	Brown, gravelly, medium to coarse SAND with silt; no sheen, no odor (loose, damp) **(FILL)** **Soil Sample: RISB-37-(0.5-1.5')** **Soil Gas Sample: RISG-37-190409** - slight petroleum like odor, no sheen
2		d3		0.0			- rock in liner
4						SM	Gray, very silty, fine SAND with trace gravel; no sheen, no odor (dense, damp) **(GLACIAL TILL)**
6							
				0.0			
8							
	RISB-37-(9-10')						**Soil Sample: RISB-37-(9-10')**
10							

Vapor Well/implant Detail



Boring Completed 03/15/19
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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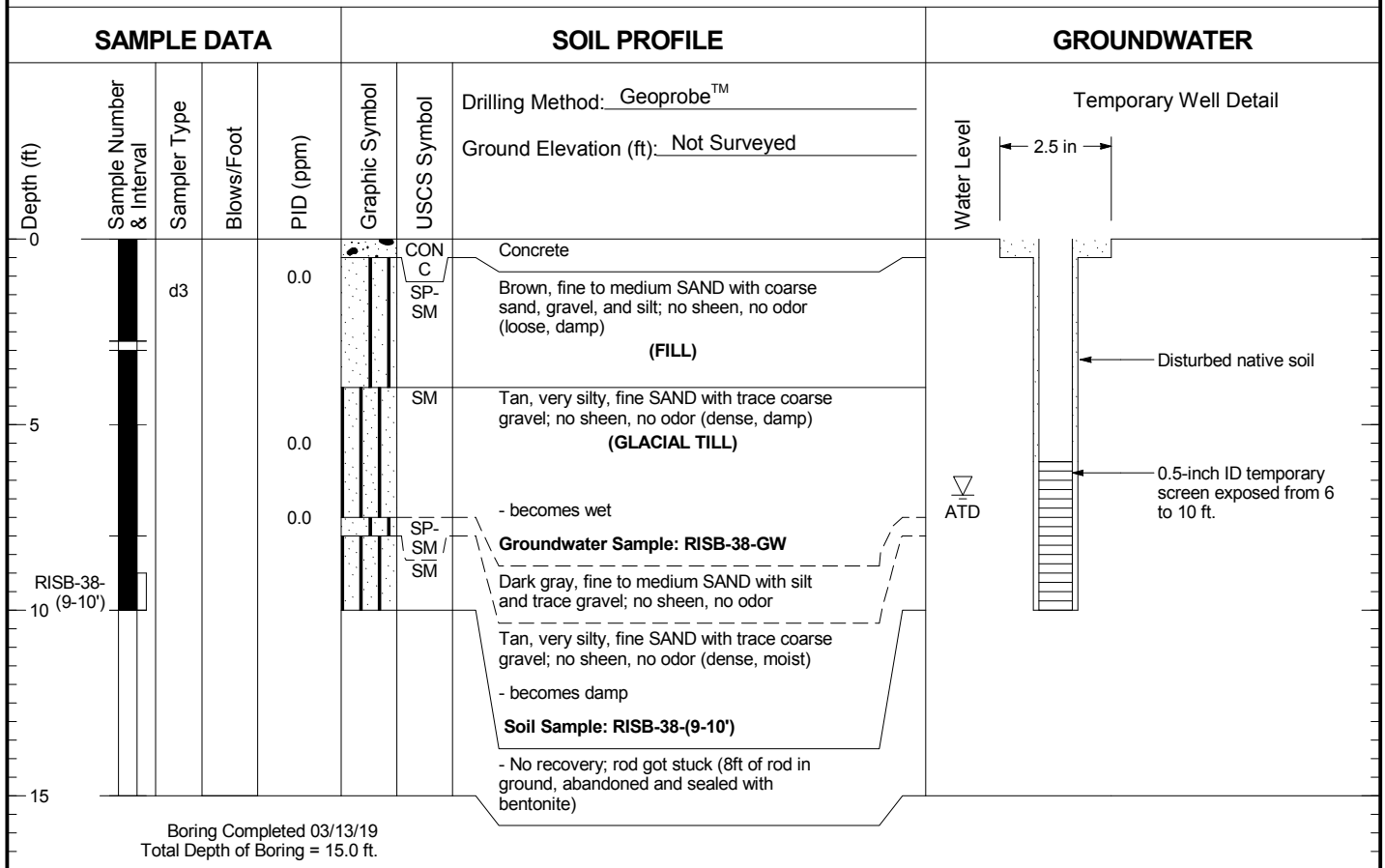
Log of Vapor Well/Implant RISB-37

Figure
A-42

RISB-38



Boring Completed 03/13/19
Total Depth of Boring = 15.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-38

Figure
A-43

RISB-39

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Soil Profile
0				1.0		AC	Asphalt
		d4		0.6		SM	Gray-brown, silty, gravelly, fine to medium SAND with trace cobbles; no sheen, no odor (loose, dry)
				0.5		SM	**(FILL)**
				1.3		SM	Gray-brown, very silty, fine to medium SAND with trace gravel; no sheen, no odor (medium dense, damp)
5				1.3			**Groundwater Sample: RISB-39-GW**
				0.6			Gray-brown, silty, gravelly, fine to medium SAND with trace cobbles; no sheen, no odor (loose, damp)
				0.4		SM	Brown, very silty, fine to medium SAND with trace gravel and cobbles; no sheen, no odor (medium dense, damp)
				0.5		SM	Gray, silty, gravelly, fine to medium SAND with trace cobbles; no sheen, no odor (dense, damp)
				1.4			**(GLACIAL TILL)**
				1.3			**Soil Sample: RISB-39-(11-12')**
10				1.6		SM	
	RISB-39-(11-12')			1.9			
				0.8			
				0.5			
				1.6			
15				1.6			
				1.2			
				0.2			
				0.6			
				0.6			
20				0.1			
				0.2		SM	Dark gray, very silty, fine SAND with gravel; no sheen, no odor (very dense, moist)
				0.5			
				0.2			
	RISB-39-(24-25')			0.4			**Soil Sample: RISB-39-(24-25')**
25							

Drilling Method: Rotosonic

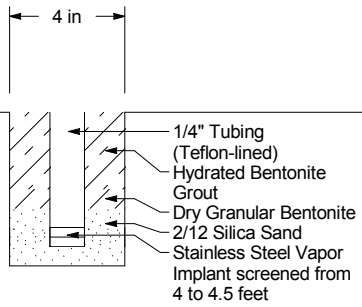
Ground Elevation (ft): Not Surveyed

GROUNDWATER

Water Level

ATD

Temporary Well Detail



Boring Completed 03/20/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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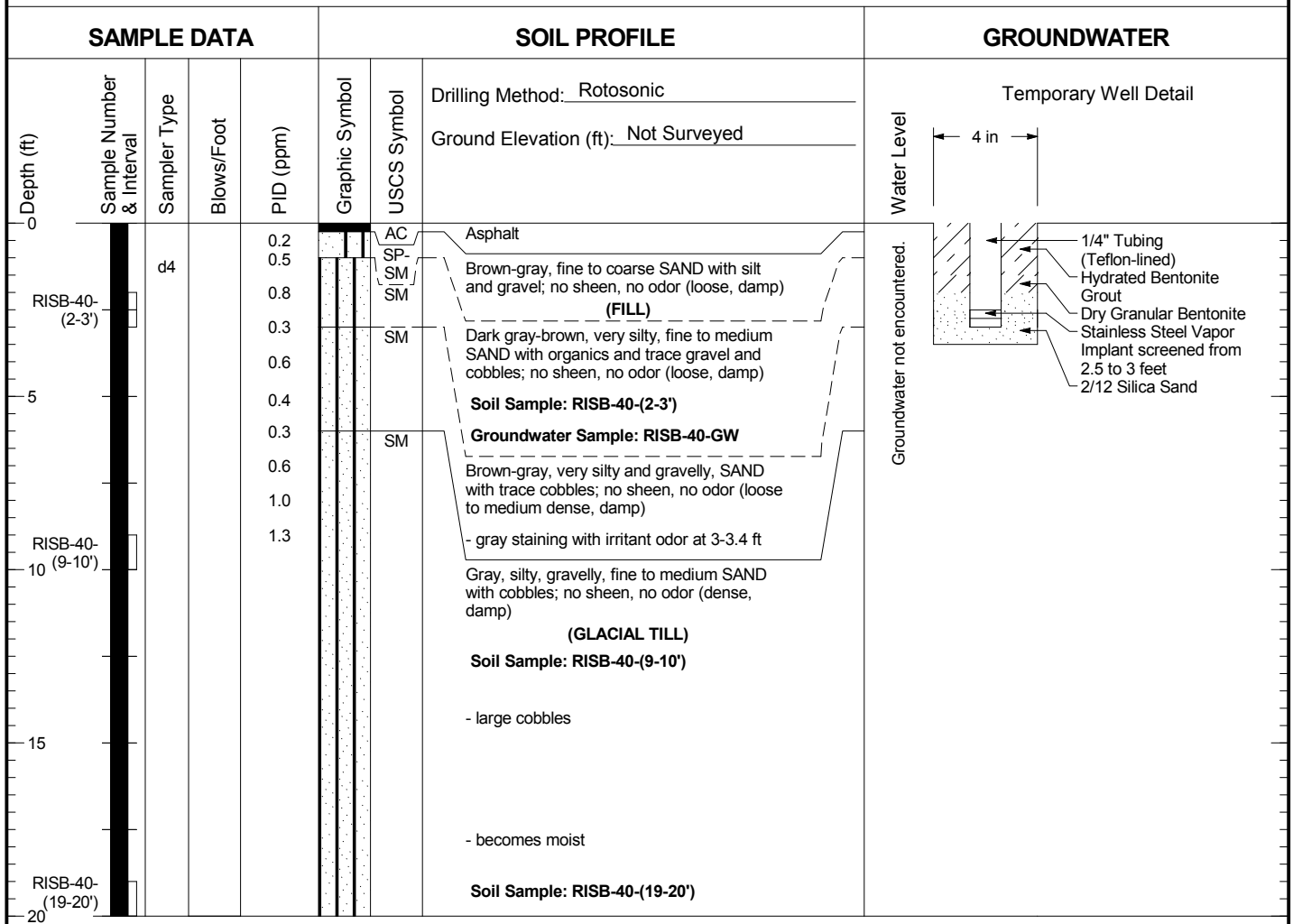
Log of Temporary Well RISB-39

Figure
A-44

RISB-40



Boring Completed 03/21/19
Total Depth of Boring = 20.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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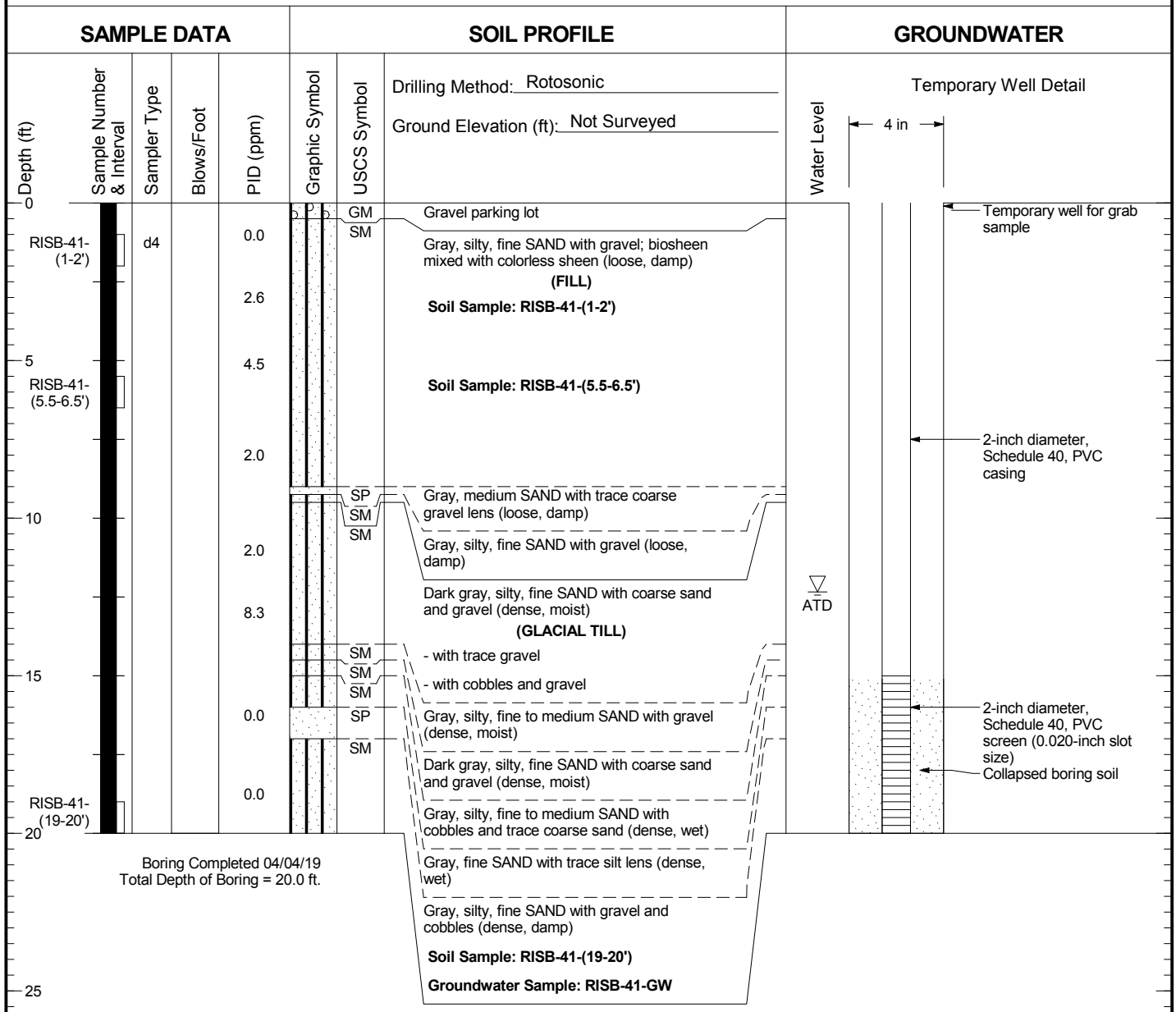
Log of Temporary Well RISB-40

Figure
A-45

RISB-41



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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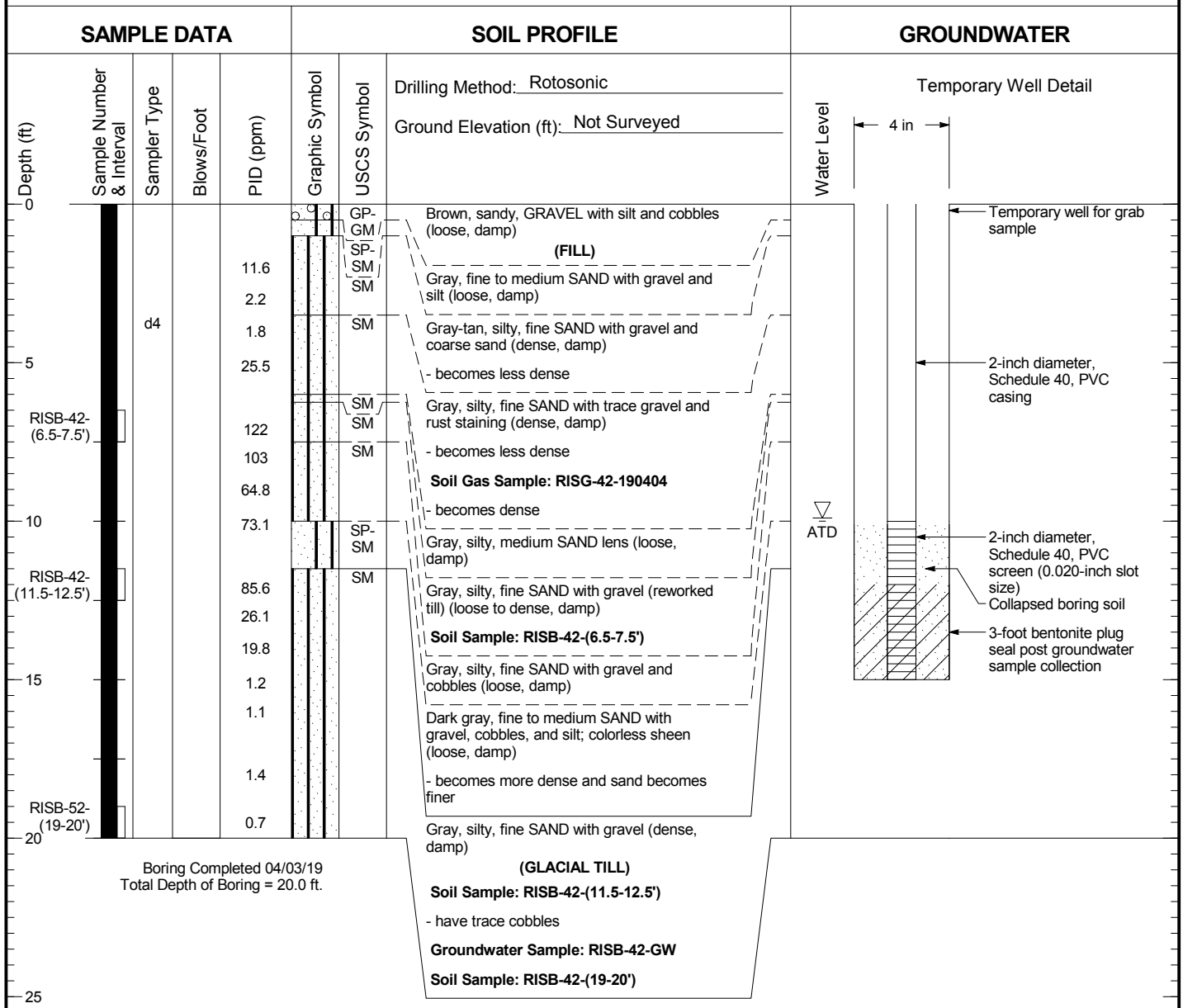
Log of Temporary Well RISB-41

Figure
A-46

RISB-42



Boring Completed 04/03/19
Total Depth of Boring = 20.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-42

Figure
A-47

RISB-43

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed
0						CONC	Concrete
		d4		0.0		SM	Tan, silty, fine SAND with gravel; no sheen, no odor (medium dense, damp) **(FILL)**
	RISB-43-(3-4')			0.0			**Soil Sample: RISB-43-(3-4')** - dull, colorless, petroleum like sheen
5						SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, moist) **(GLACIAL TILL)**
	RISB-43-(6-7')			0.0			**Soil Sample: RISB-43-(6-7')** - becomes moist to wet
				0.0			
10							**Groundwater Sample: RISB-43-GW**
	RISB-43-(14-15')						**Soil Sample: RISB-43-(14-15')**
15							

Temporary Well Detail

Water Level

ATD

4 in

- Temporary well for grab sample
- 2-inch diameter, Schedule 40, PVC casing
- 2-inch diameter, Schedule 40, PVC screen (0.020-inch slot size)
- Collapsed boring soil
- 3-foot bentonite plug seal post groundwater sample collection

Boring Completed 04/04/19
Total Depth of Boring = 15.0 ft.

20

25

30

35

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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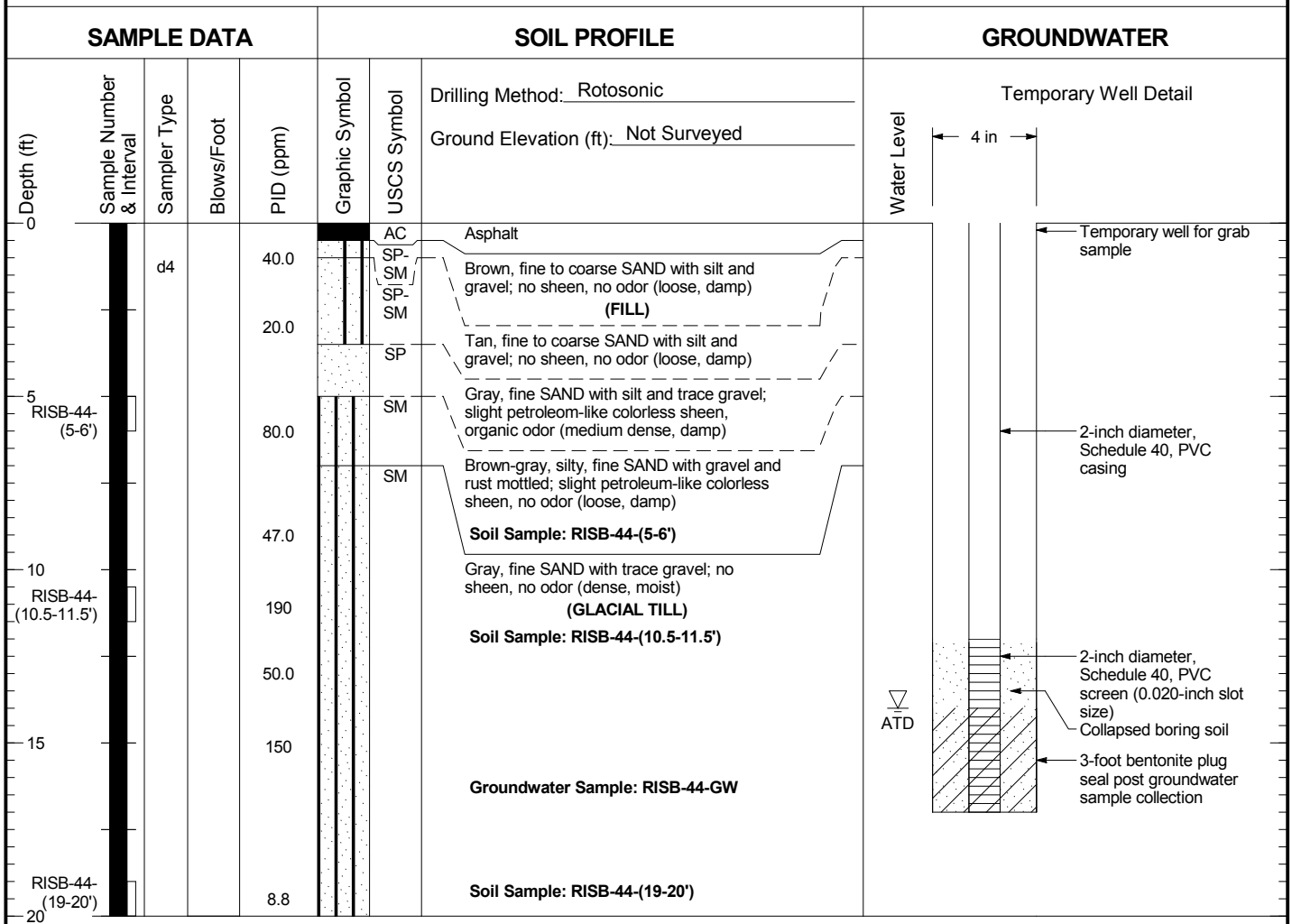
Log of Temporary Well RISB-43

Figure
A-48

RISB-44



Boring Completed 04/03/19
Total Depth of Boring = 20.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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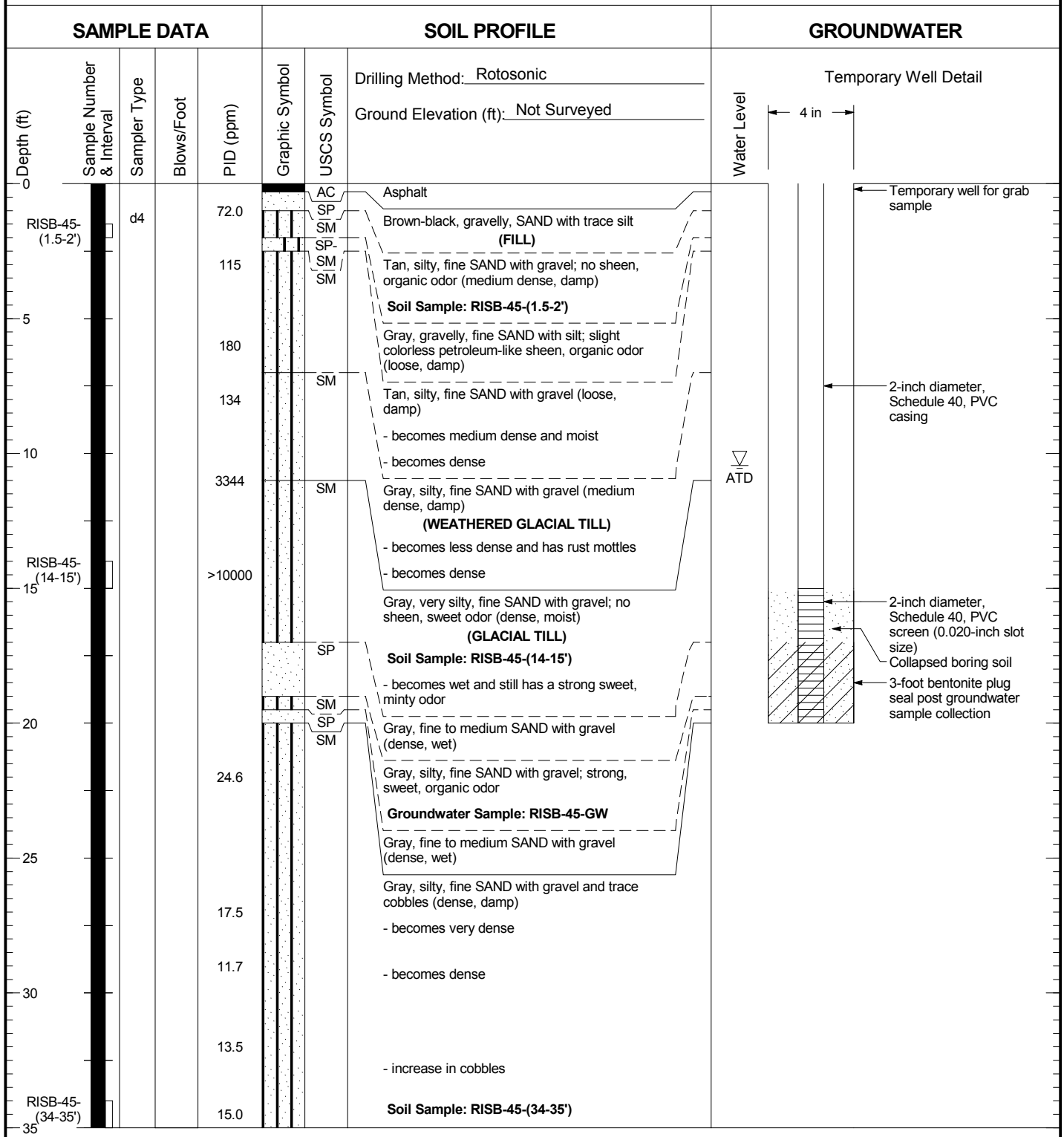
Log of Temporary Well RISB-44

Figure
A-49

RISB-45



Boring Completed 04/04/19
Total Depth of Boring = 35.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Temporary Well RISB-45

Figure
A-50

RISB-46

SAMPLE DATA | **SOIL PROFILE** | **GROUNDWATER**

Drilling Method: Rotosonic

Ground Elevation (ft): Not Surveyed

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Soil Profile
0		d4		1.5		AC	Asphalt
				22.0		SP-SM / SM	Gray, gravel, medium to coarse SAND with silt (loose, damp) **(FILL)**
	RISB-46-(3-4')			94.0			Tan, silty, fine SAND with coarse sand and gravel (loose, damp) - becomes slightly loose to dense **Soil Sample: RISB-46-(3-4')** - colorless sheen at 3.5 ft
5				140			
	RISB-46-(7.5-8.5')			224		SP	- becomes sandier with medium sand
				209		SP	- becomes loose
				156		SM / SM	Gray, fine to coarse SAND with trace gravel and silt (loose, damp) **Soil Sample: RISB-46-(7.5-8.5')**
10				111			Gray, fine to medium SAND with trace silt (loose, damp)
				119		SM	Gray, silty fine to coarse SAND with gravel (loose, damp)
				154		SM	Dark gray, silty, fine SAND with trace gravel (reworked till) (loose, damp)
15				92.6			Gray-tan, silty, fine to medium SAND with trace gravel (loose, damp) **Groundwater Sample: RISB-46-GW**
				129			Dark gray, silty, fine SAND with gravel (dense, damp) **(GLACIAL TILL)**
20				5.5			- trace cobbles
				211			
25				1.2			
	RISB-46-(29.5-30.5')			230			**Soil Sample: RISB-46-(29.5-30.5')**
30				0.5			- becomes very dense - becomes dense
				0.7			
35							

Water Level: ATD

Temporary Well Detail

4 in

- Temporary well for grab sample
- 2-inch diameter, Schedule 40, PVC casing
- 2-inch diameter, Schedule 40, PVC screen (0.020-inch slot size)
- Collapsed boring soil
- 3-foot bentonite plug seal post groundwater sample collection

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-46

Figure
A-51
(1 of 2)

RISB-46

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
35								Temporary Well Detail
				0.1		SM	Dark gray, silty, fine SAND with gravel (dense, damp) **(GLACIAL TILL)** - becomes very dense	
40	RISB-46-(39-40')			1.1			**Soil Sample: RISB-46-(39-40')**	

Boring Completed 04/03/19
Total Depth of Boring = 40.0 ft.

45

50

55

60

65

70

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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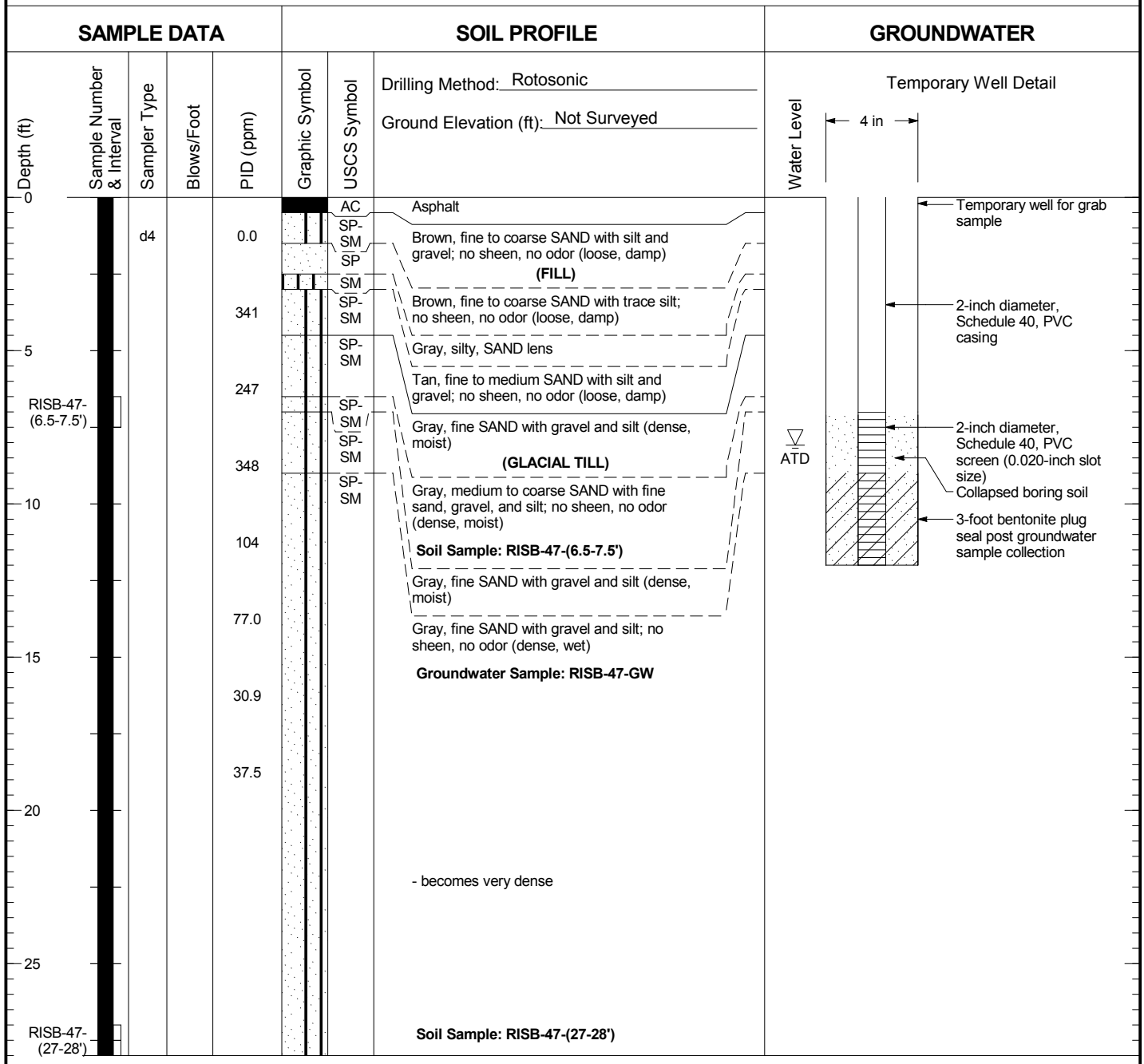
Log of Temporary Well RISB-46

Figure
A-51
(2 of 2)

RISB-47



Boring Completed 04/05/19
Total Depth of Boring = 28.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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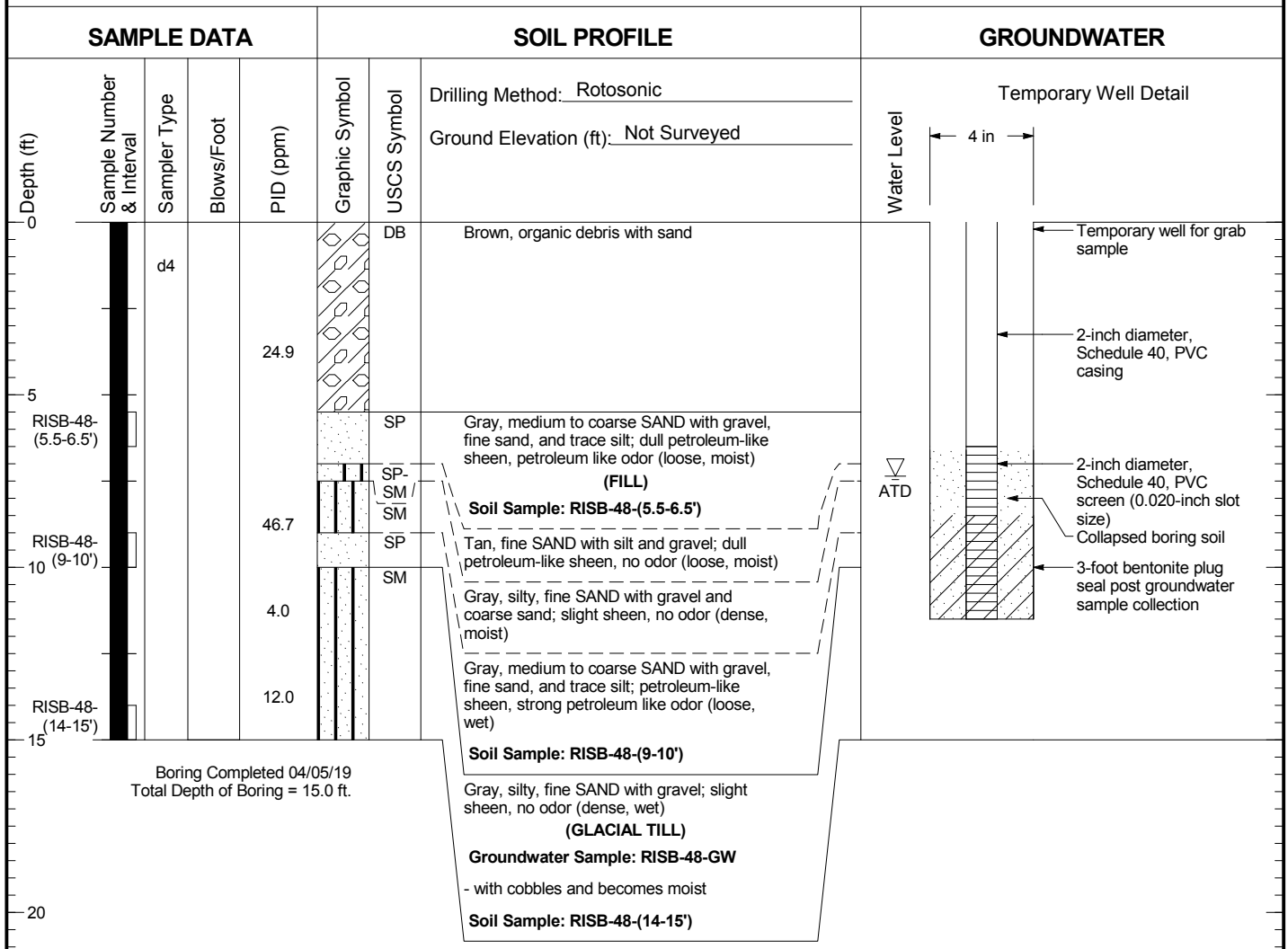
Log of Temporary Well RISB-47

Figure
A-52

RISB-48



Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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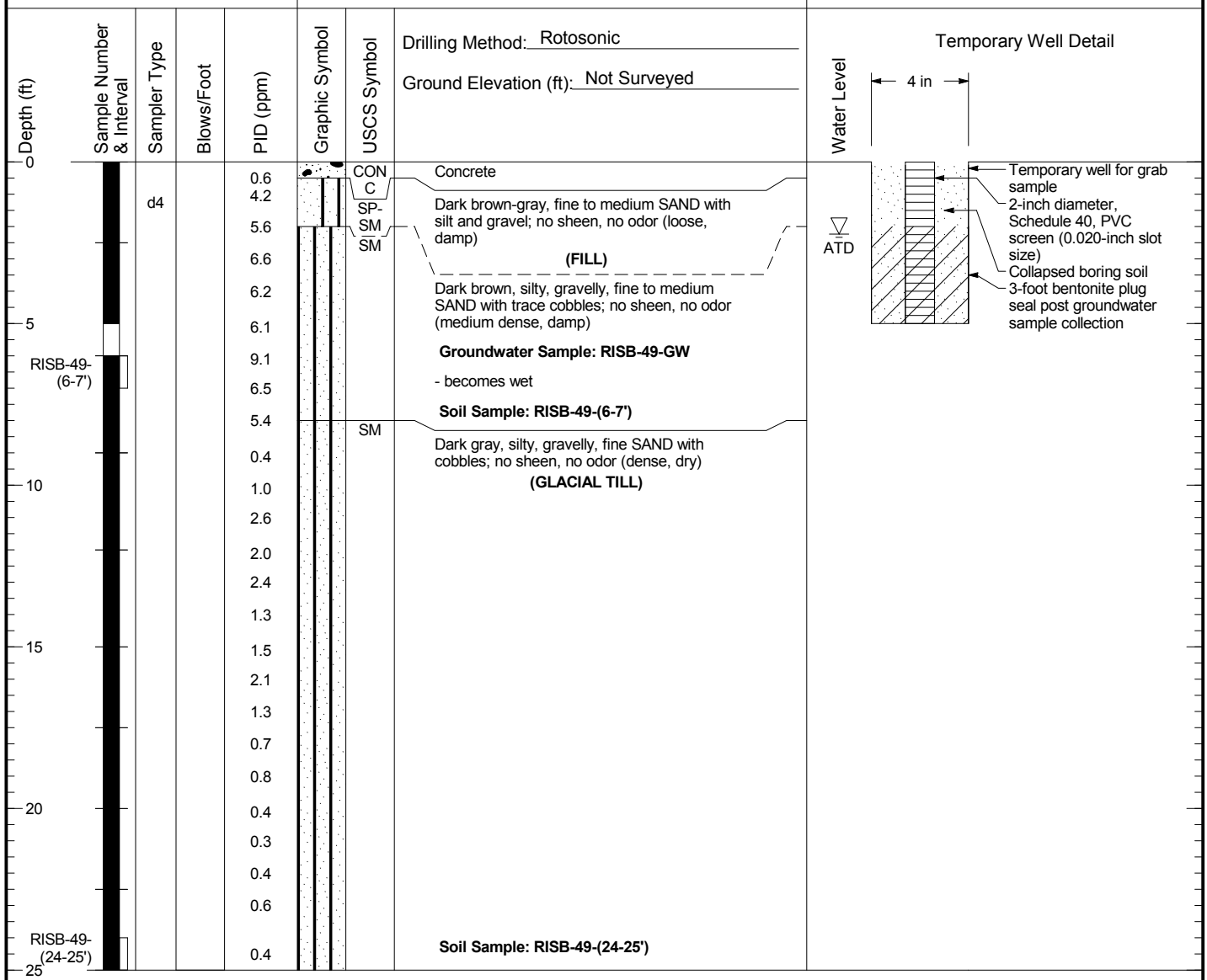
Log of Temporary Well RISB-48

Figure
A-53

RISB-49



Boring Completed 03/20/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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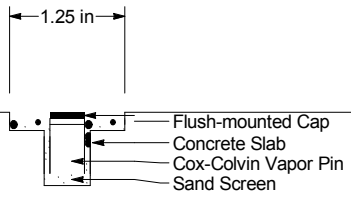
Log of Temporary Well RISB-49

Figure
A-54

RISB-50

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed
0						CONC	Concrete
		d4		0.0		SM	Tan, very silty, fine SAND with trace gravel; no odor (medium dense, damp) **(FILL)** **Soil Gas Sample: RISG-50-190409**
2						SM	Tan, silty, fine to medium SAND with cobbles and gravel; no sheen, no odor (loose, damp)
				0.0			
4							
				1.2			
6				1.7			
				1.7			
						SM	Gray, silty, fine to coarse SAND with gravel and cobbles (dense, damp) **(GLACIAL TILL)**
8				0.6			
				0.0			
10				6.9			- becomes moist

Vapor Well/implant Detail



Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISB-50

Figure
A-55
(1 of 3)

RISB-50

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Vapor Well/implant Detail
						SM	Gray, silty, fine to coarse SAND with gravel and cobbles (dense, damp) **(GLACIAL TILL)**	
12				19.8				
	RISB-50-(13.5-14.5')			9.7			**Soil Sample: RISB-50-(13.5-14.5')**	
14				23.2				
				9.9				
16								
18								
				0.0				
				0.1		SM	Gray, very silty, gravelly, SAND with trace cobbles; no sheen, no odor (very dense, damp)	
20				0.4				
				0.1				
22								

Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISB-50

Figure
A-55
(2 of 3)

RISB-50

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Vapor Well/implant Detail
22				0.5		SM		
						SM	Gray, silty, fine to medium SAND with gravel and cobbles; no sheen, no odor (dense, damp)	
				0.0				
24	RISB-50-(24-25')						**Soil Sample: RISB-50-(24-25')**	
							Boring Completed 03/18/19 Total Depth of Boring = 25.0 ft.	
26								
28								
30								
32								

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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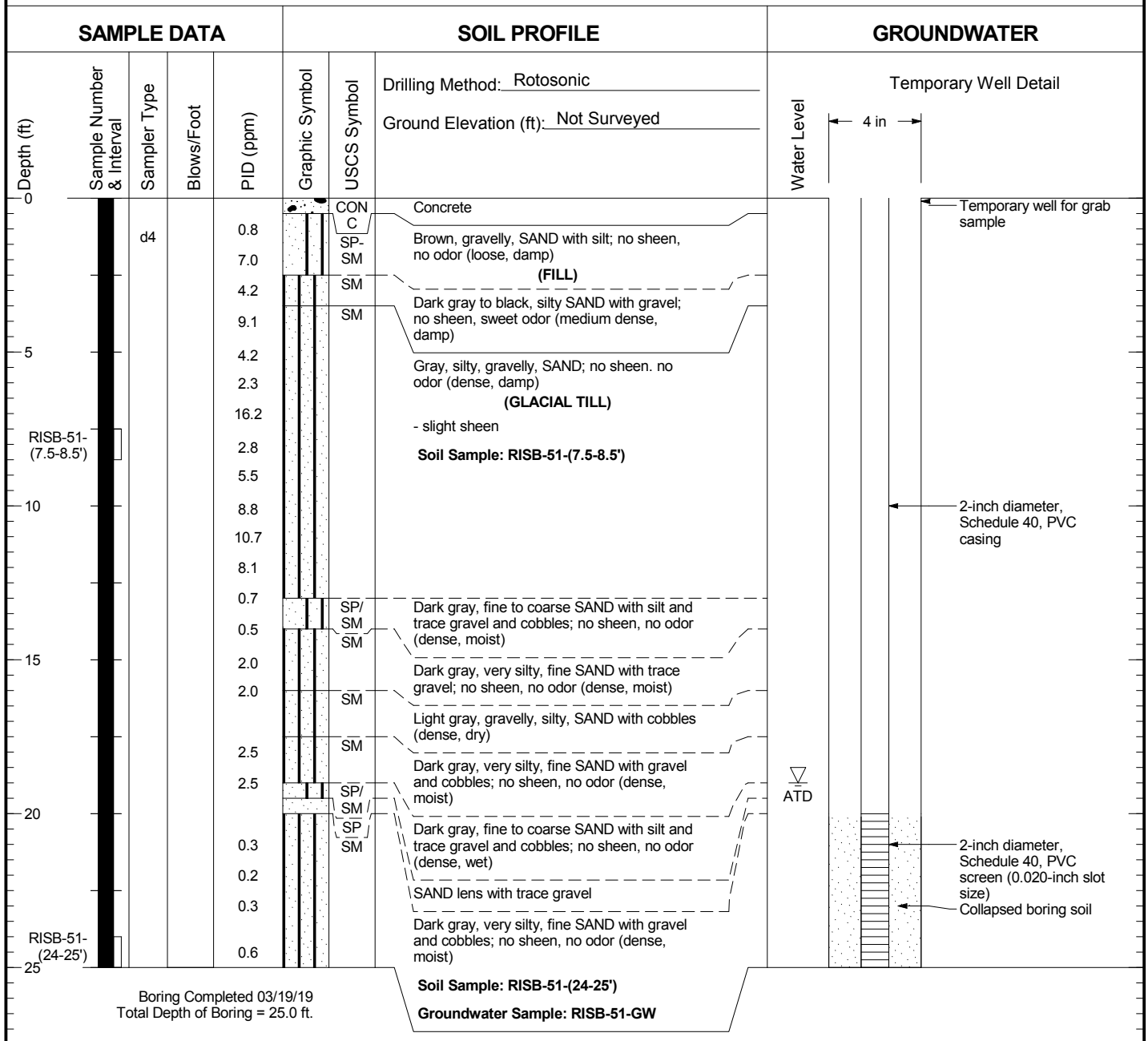
Log of Vapor Well/Implant RISB-50

Figure
A-55
(3 of 3)

RISB-51



Boring Completed 03/19/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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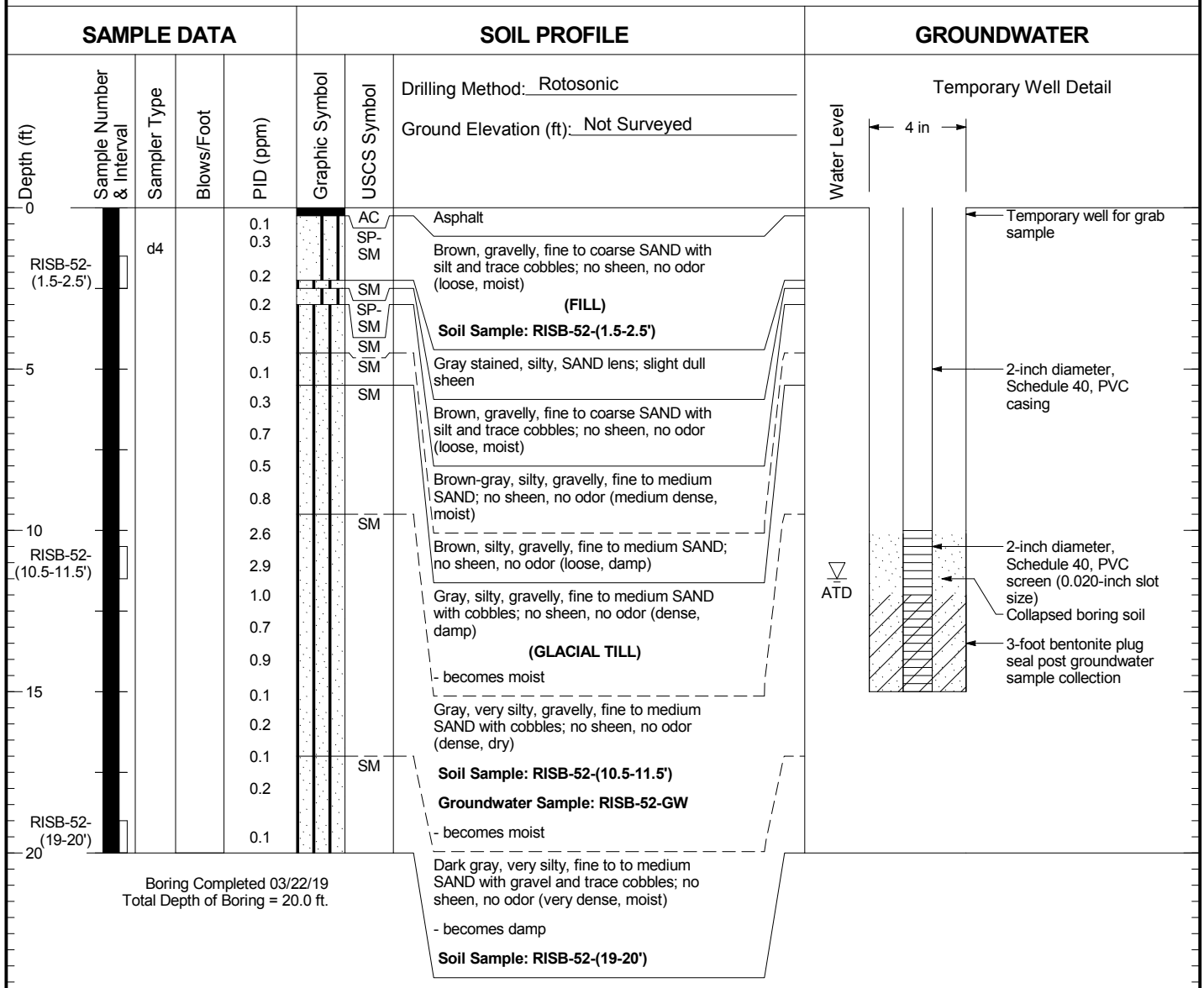
Log of Temporary Well RISB-51

Figure
A-56

RISB-52



Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Temporary Well RISB-52

Figure
A-57

RISB-53

SAMPLE DATA					SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): Not Surveyed	
0				49(?)		CONC	Concrete	Groundwater not encountered.
	RISB-53-(2-3')	d3		11.0 134(?)		SW-SM	Gray, fine to coarse SAND with gravel and silt; moderate, dull, colorless sheen, strong grease odor (loose, damp) **(FILL)**	
						SM	**Soil Sample: RISB-53-(2-3')** - rust mottled	
5						ML	Tan, silty, fine SAND with trace gravel; no sheen, no odor	
				0.0			Gray, SILT with fine sand and trace gravel; no sheen, no odor (stiff, damp) **(GLACIAL TILL)**	
	RISB-53-(9-10')			2.3			**Soil Sample: RISB-53-(9-10')**	
10								

Boring Completed 03/14/19
Total Depth of Boring = 10.0 ft.

15
20
25
30
35

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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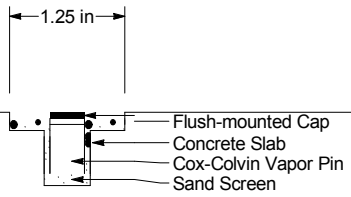
Log of Boring RISB-53

Figure
A-58

RISB-54

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed
0						CONC	Concrete
		d4		0.0		SP	Gray-tan, medium SAND with trace silt; no sheen, no odor (loose, damp) **(FILL)** **Soil Gas Sample: RISG-54-190325**
2						SM	Tan, silty, fine to medium SAND with gravel (dense, damp)
4				0.0			
6				0.0			
8	RISB-54-(8-9')					SM	Tan, gravelly, silty, medium to coarse SAND; no sheen, no odor (loose, damp) **Soil Sample: RISB-54-(8-9')**
				0.0		SM	Gray, very silty, fine to coarse SAND with gravel and cobbles; no sheen, no odor (dense, moist) **(GLACIAL TILL)**
10							

Vapor Well/implant Detail



Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISB-54

Figure
A-59
(1 of 2)

RISB-54

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Vapor Well/implant Detail
12				0.0		SM	Gray, very silty, fine to coarse SAND with gravel and cobbles; no sheen, no odor (dense, moist) **(GLACIAL TILL)**	
14				0.0				
							Boring Completed 03/18/19 Total Depth of Boring = 15.0 ft.	
16								
18								
20								
22								

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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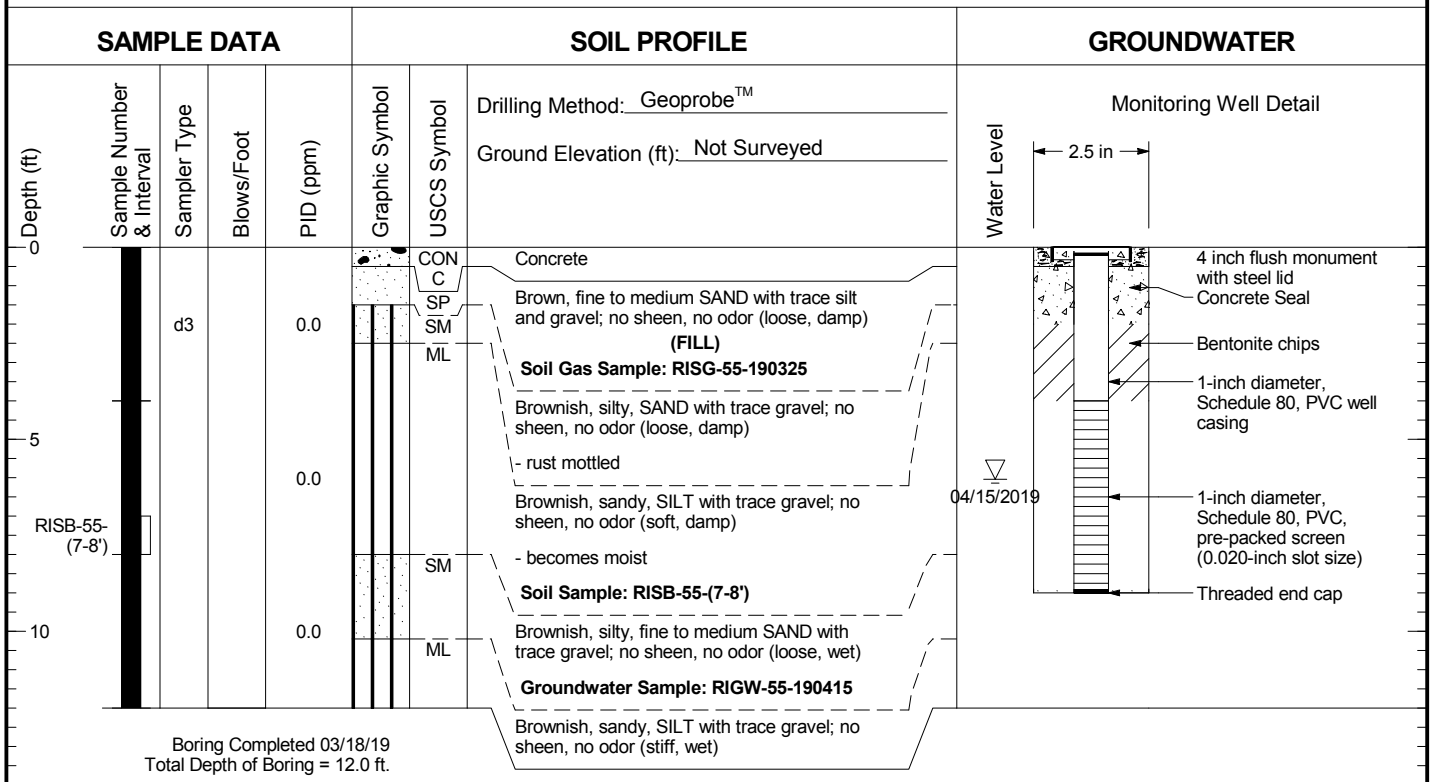
Log of Vapor Well/Implant RISB-54

Figure
A-59
(2 of 2)

RISB-55



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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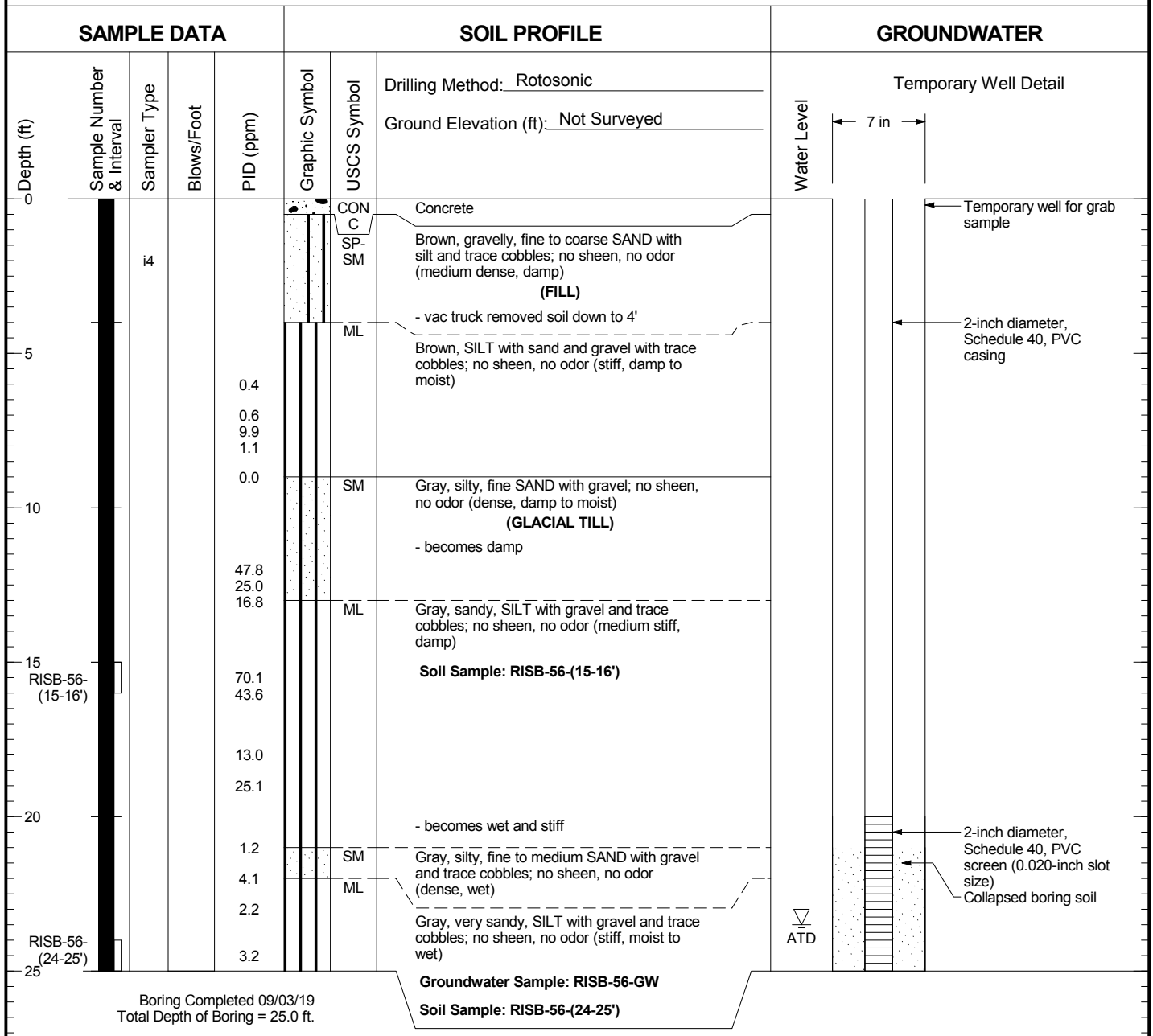
Log of Monitoring Well RISB-55

Figure
A-60

RISB-56



Boring Completed 09/03/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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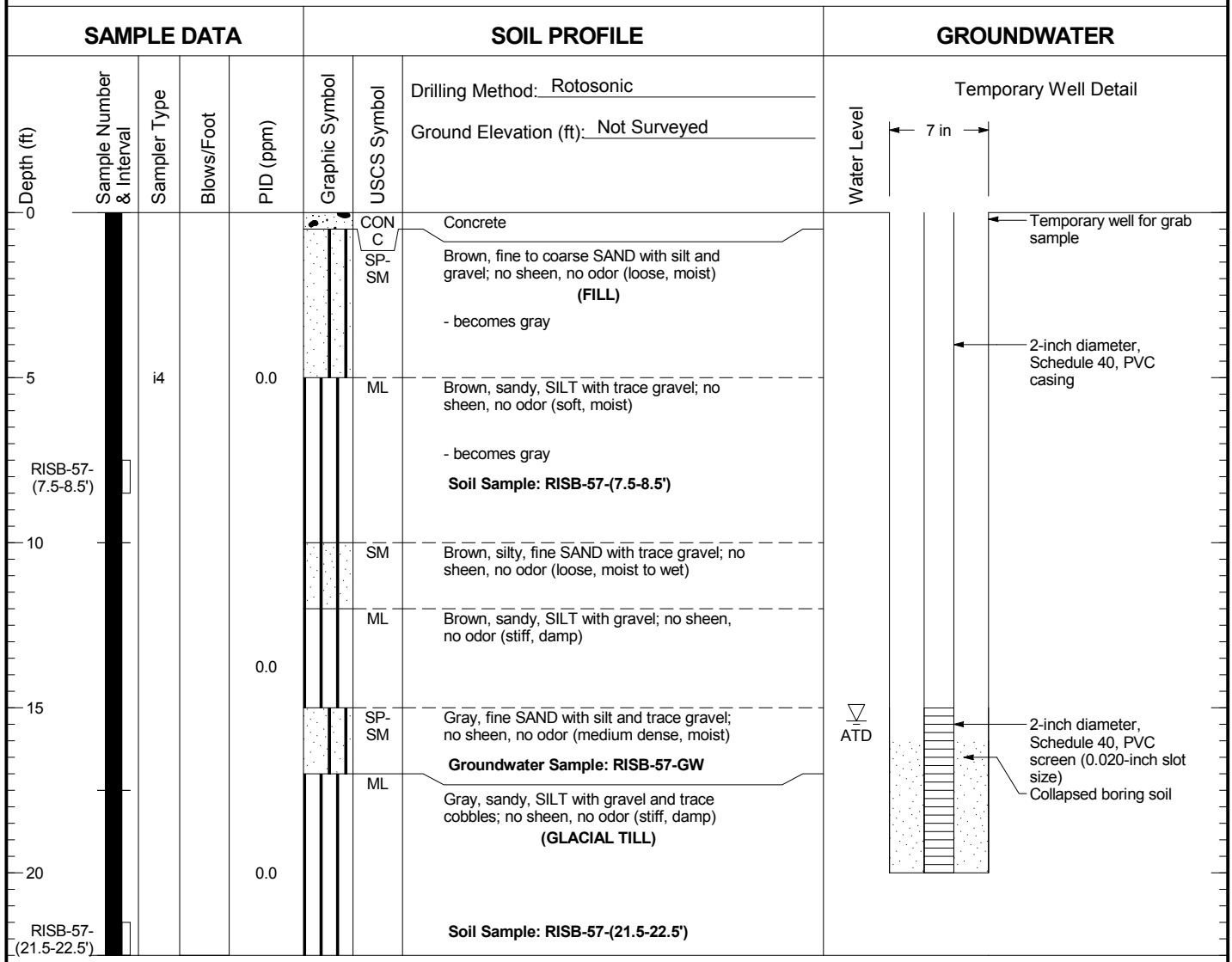
Log of Temporary Well RISB-56

Figure
A-61

RISB-57



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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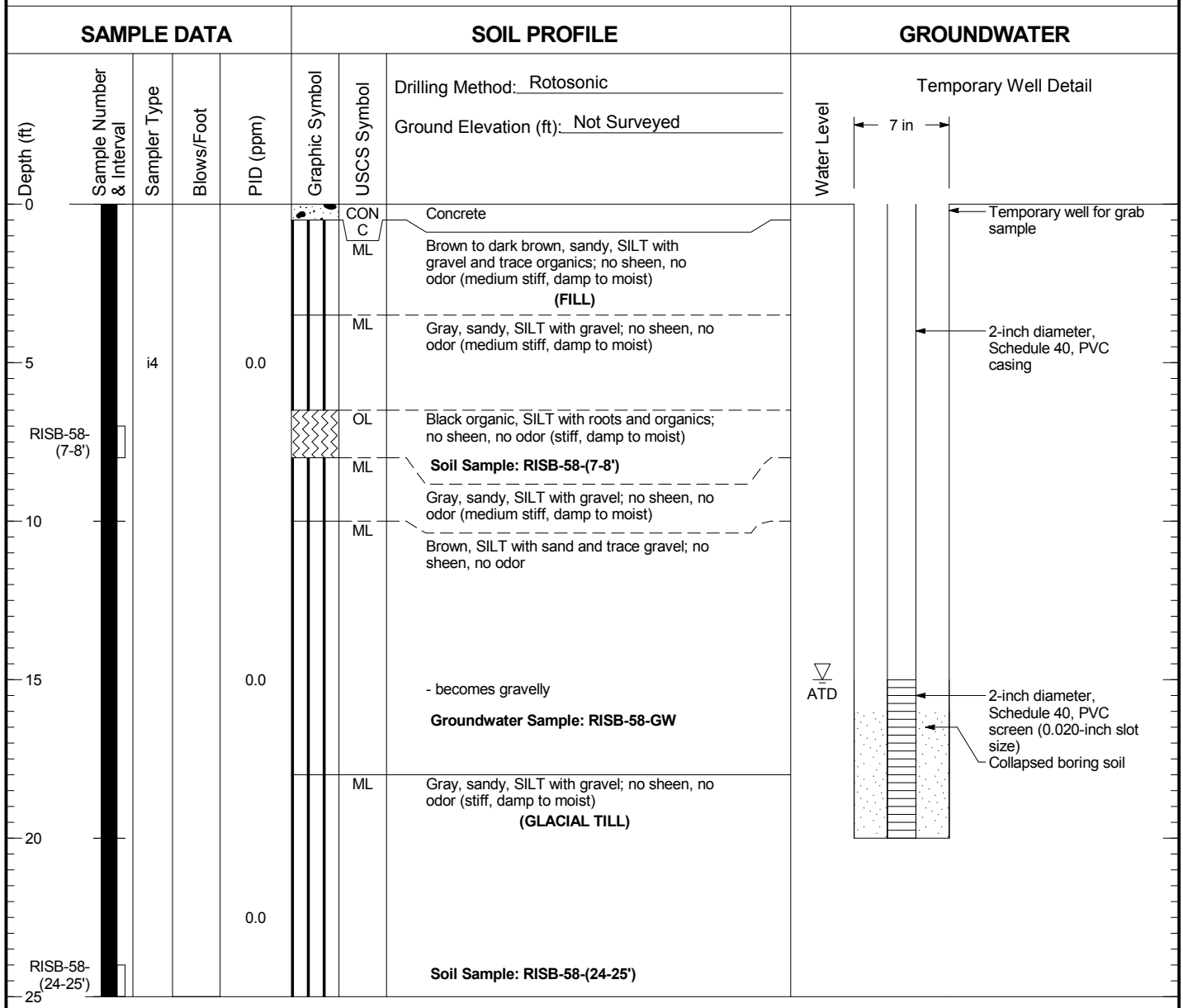
Log of Temporary Well RISB-57

Figure
A-62

RISB-58



Boring Completed 09/03/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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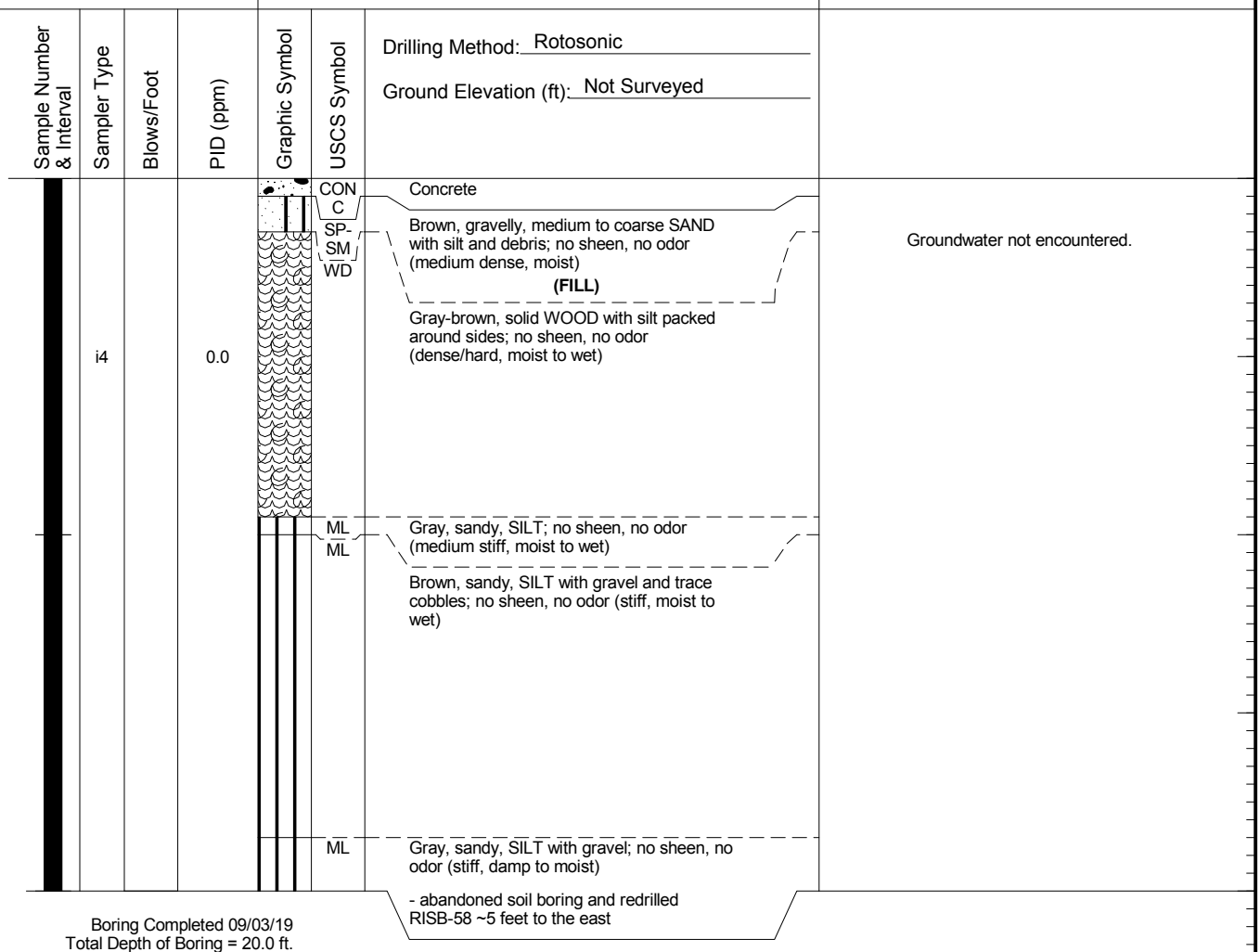
Log of Temporary Well RISB-58

Figure
A-63

RISB-58(I)



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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Log of Boring RISB-58(I)

Figure
A-64

RISB-59

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	
0		i4				CONC	Concrete	Groundwater not encountered.
						SM	Gray, gravelly, silty, fine SAND; no sheen, no odor (vac truck down to 5') (very dense, damp) **(GLACIAL TILL)**	
5				0.0		ML	Gray, sandy, SILT with gravel; no sheen, no odor (very stiff, damp)	
				0.0			- becomes damp to moist	
				0.2				
10				0.1			- becomes with gravel and trace cobbles	
				0.0				
	RISB-59-(12.5-13.5')			0.3			**Soil Sample: RISB-59-(12.5-13.5')**	
				0.0				
15				0.2				
				0.0				
				0.0				
				0.0				
	RISB-59-(19-20')			0.0			**Soil Sample: RISB-59-(19-20')**	
20								

Boring Completed 08/27/19
Total Depth of Boring = 20.0 ft.

25
30
35

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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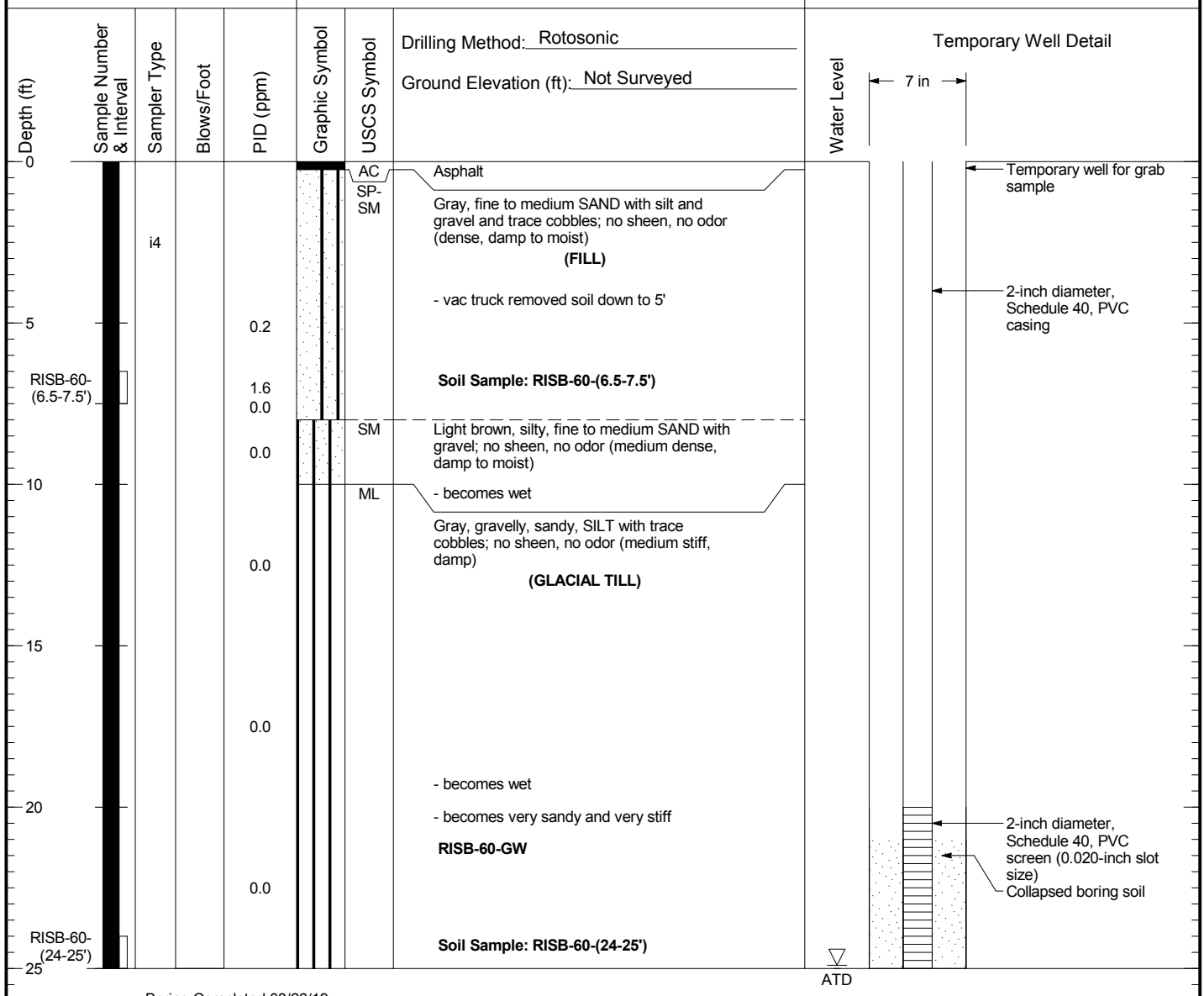
Log of Boring RISB-59

Figure
A-65

RISB-60



Boring Completed 08/26/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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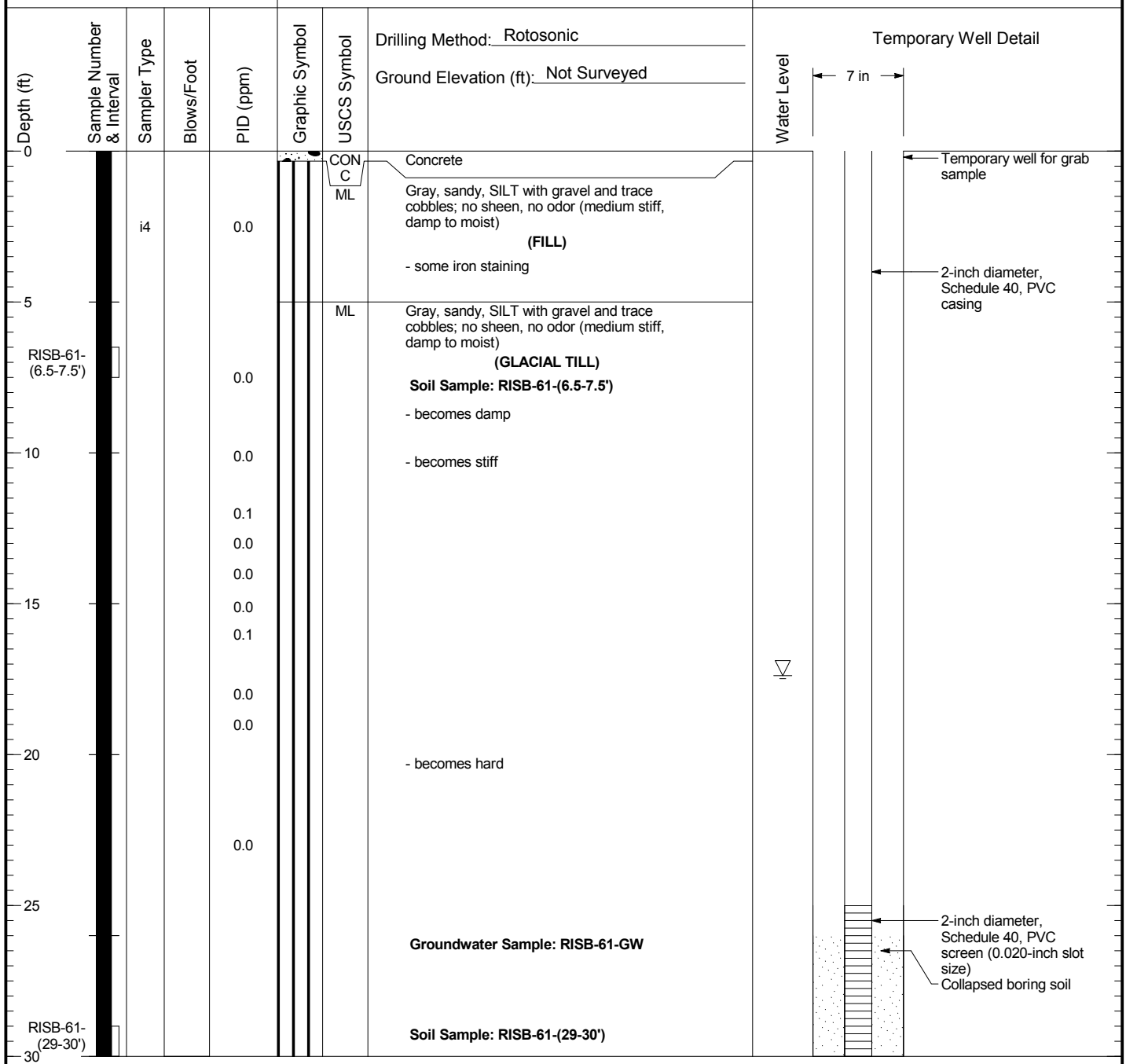
Log of Temporary Well RISB-60

Figure
A-66

RISB-61



Boring Completed 08/27/19
Total Depth of Boring = 30.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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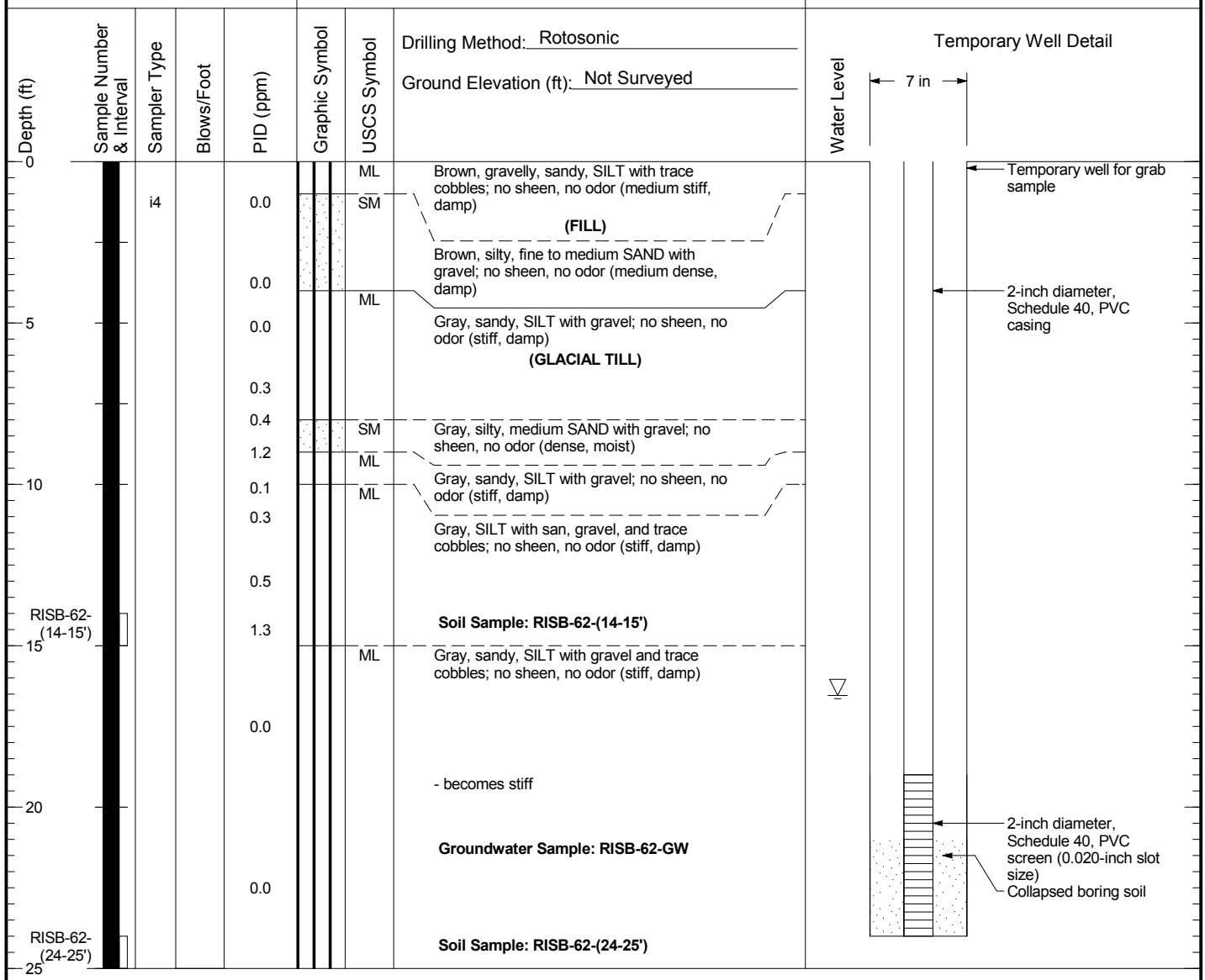
Log of Temporary Well RISB-61

Figure
A-67

RISB-62



Boring Completed 08/27/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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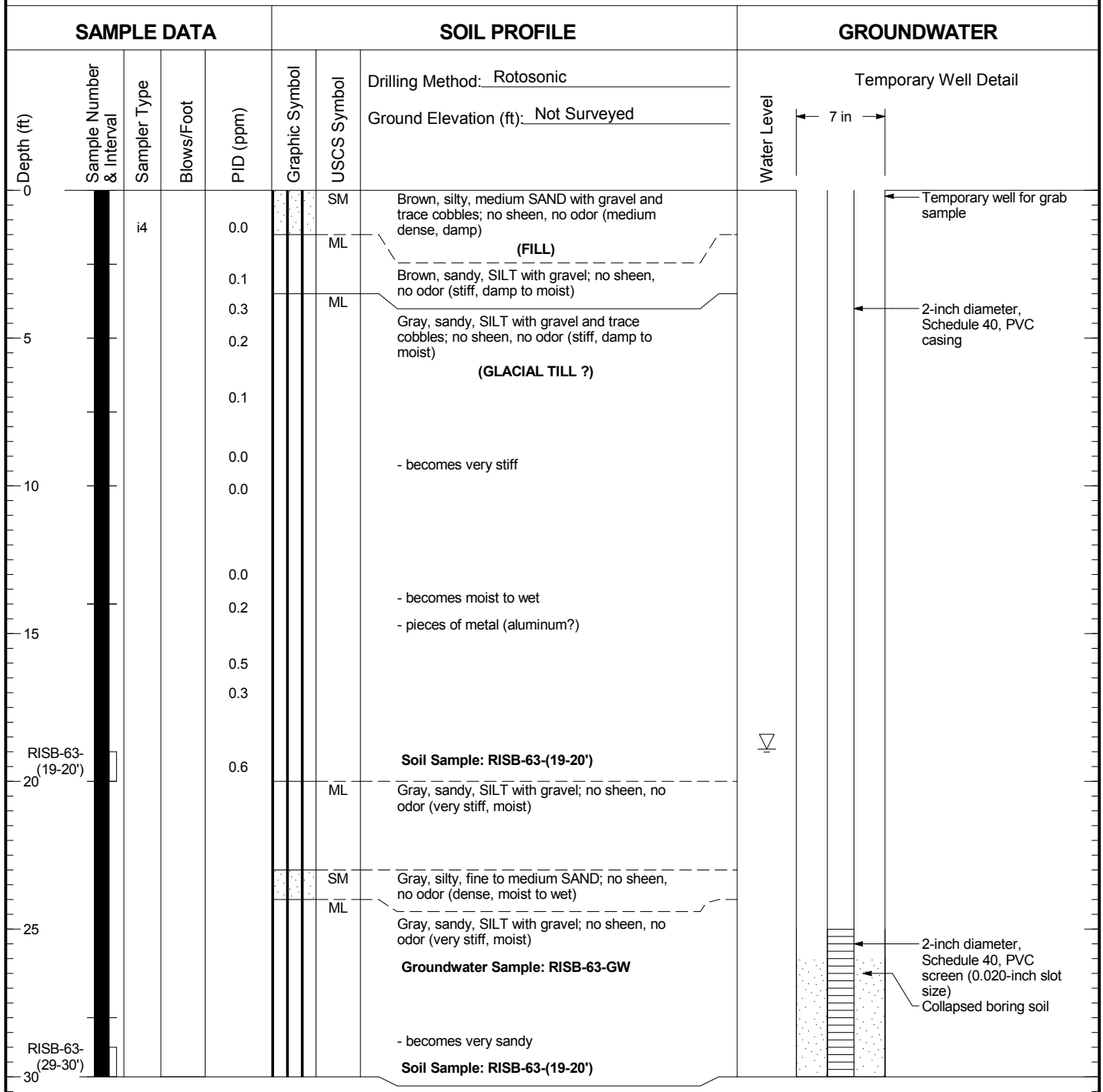
Log of Temporary Well RISB-62

Figure
A-68

RISB-63



Boring Completed 08/27/19
Total Depth of Boring = 30.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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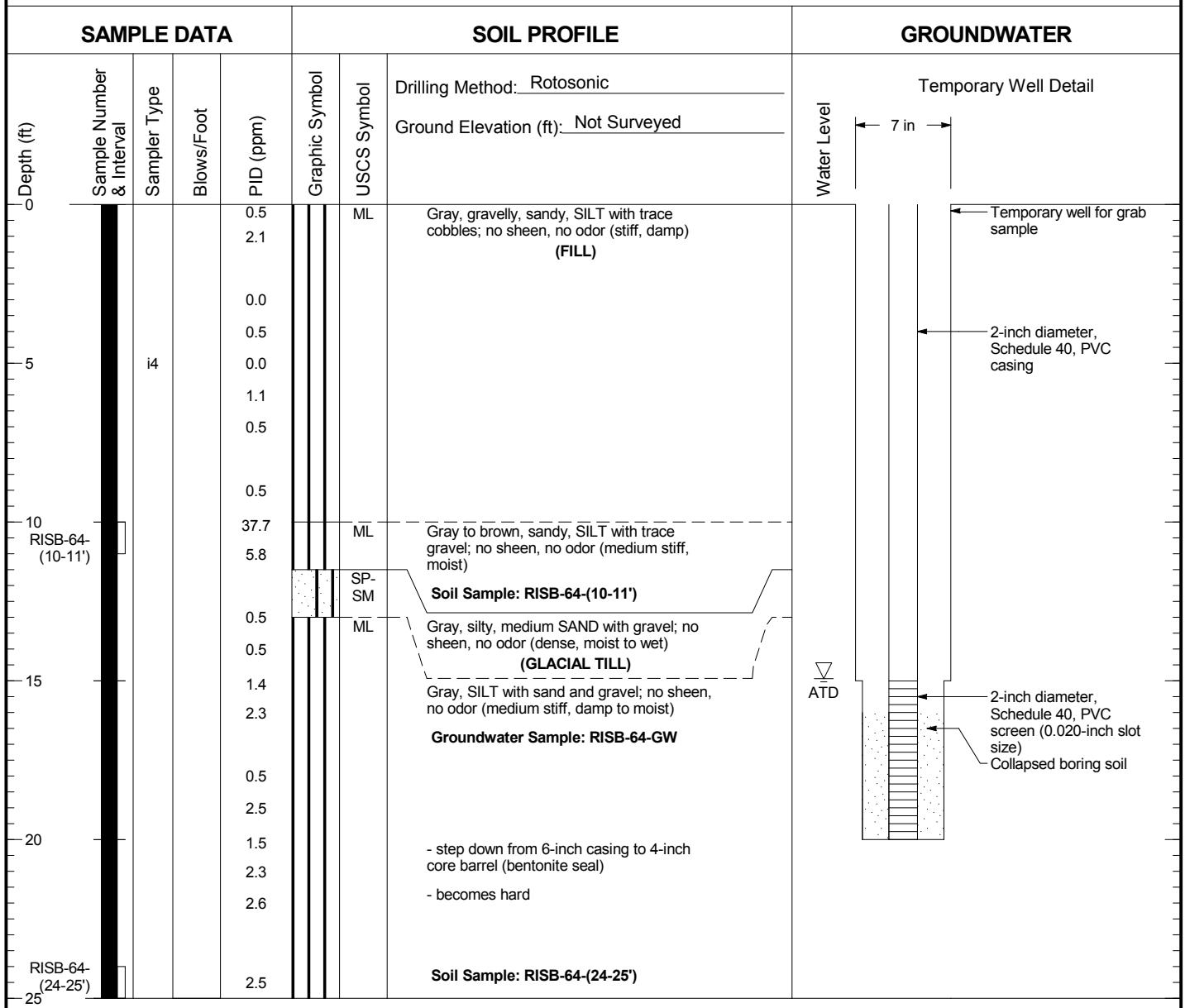
Log of Temporary Well RISB-63

Figure
A-69

RISB-64



Boring Completed 08/30/19
Total Depth of Boring = 25.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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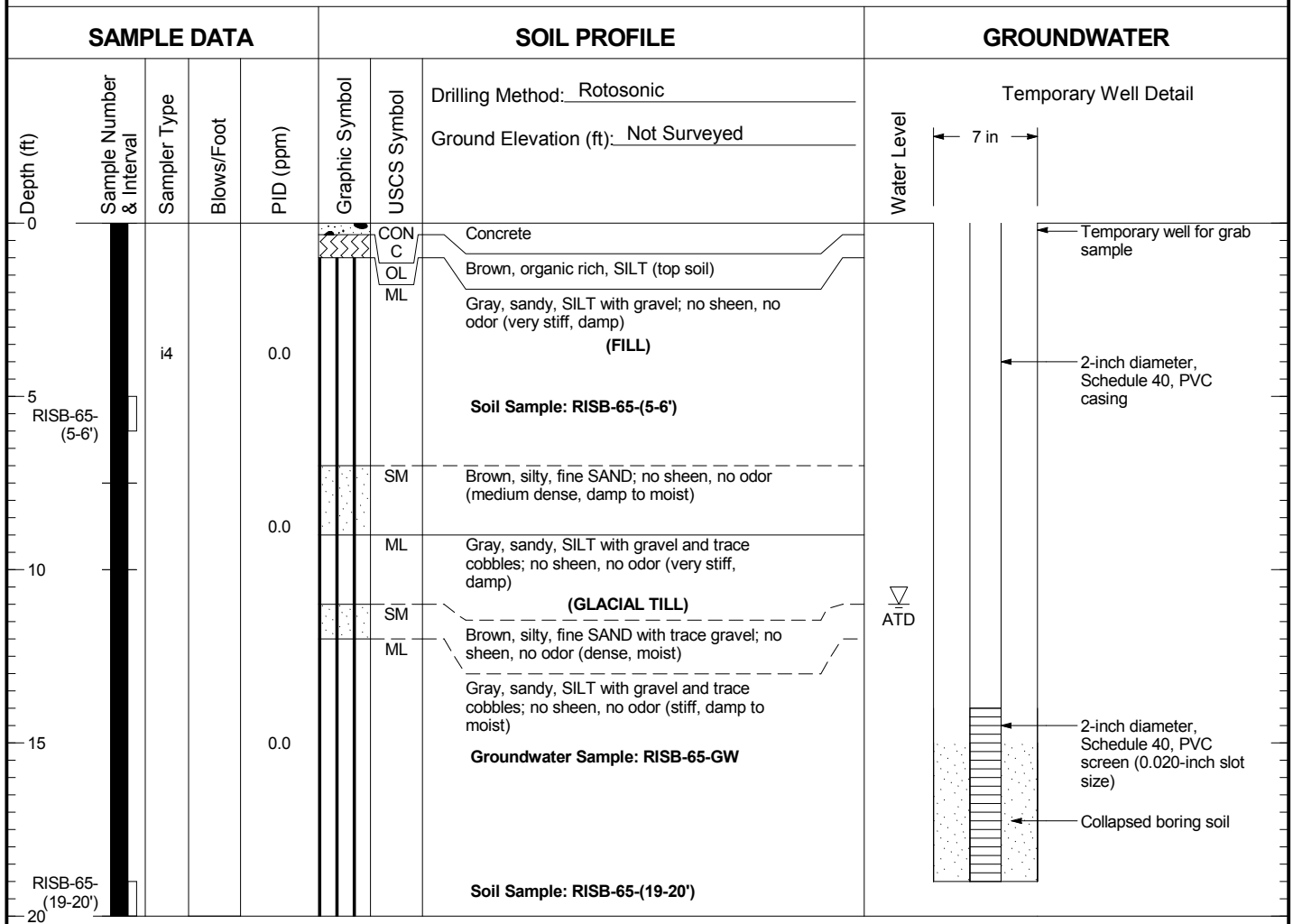
Log of Temporary Well RISB-64

Figure
A-70

RISB-65



Boring Completed 08/29/19
Total Depth of Boring = 20.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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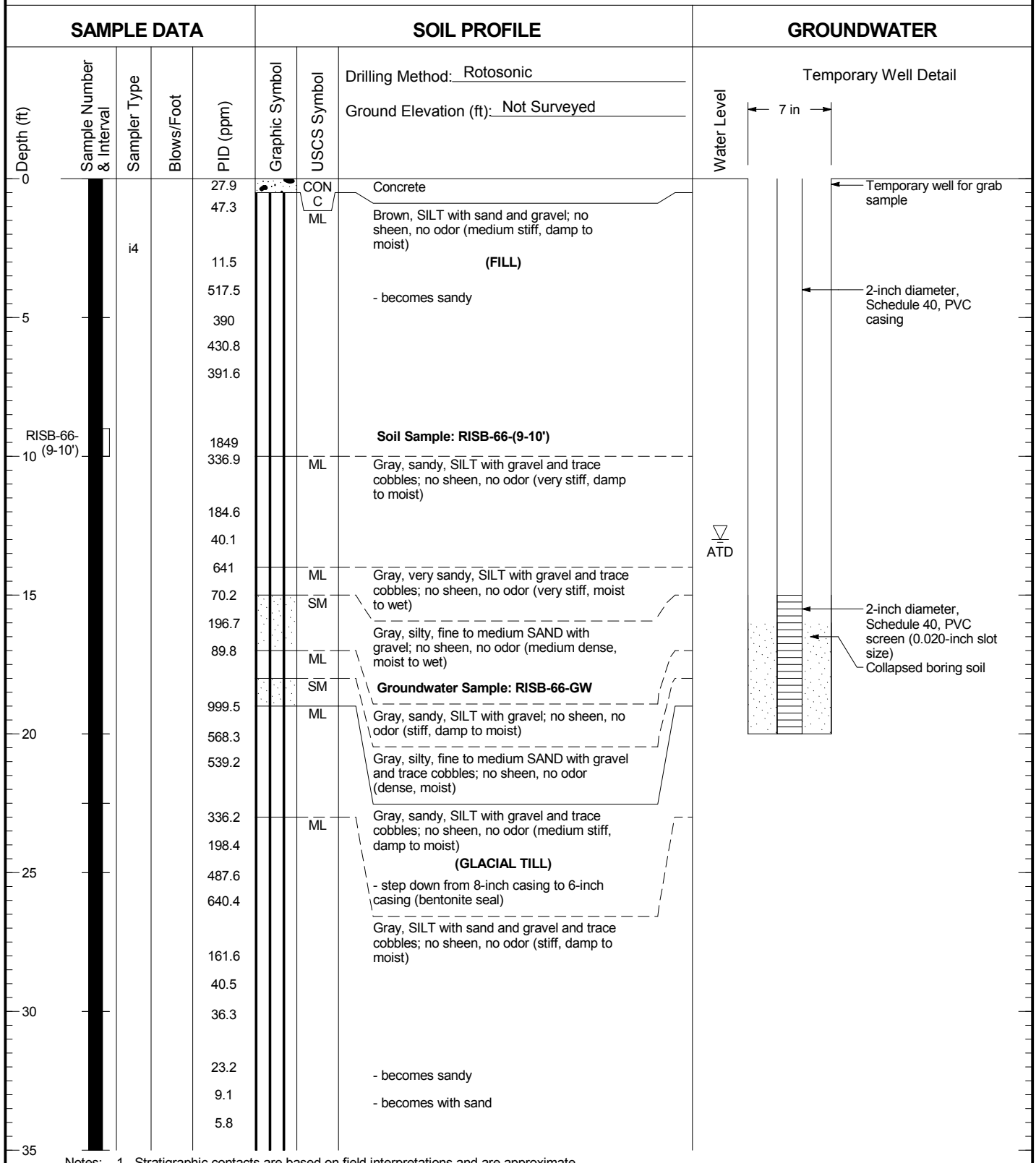
Log of Temporary Well RISB-65

Figure
A-71

RISB-66



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-66

Figure
A-72
(1 of 2)

RISB-66

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Water Level
35				221.0		ML	Gray, SILT with sand and gravel and trace cobbles; no sheen, no odor (stiff, damp to moist)	Temporary Well Detail
				151.1				
				61.4			- becomes a gravelly, sandy, SILT and wet	
				45.3			- becomes very stiff	
40				36.1				
				4.1				
				3.0				
	RISB-66-(44-45')			3.5			**Soil Sample: RISB-66-(44-45')**	
45								

Boring Completed 08/29/19
Total Depth of Boring = 45.0 ft.

50

55

60

65

70

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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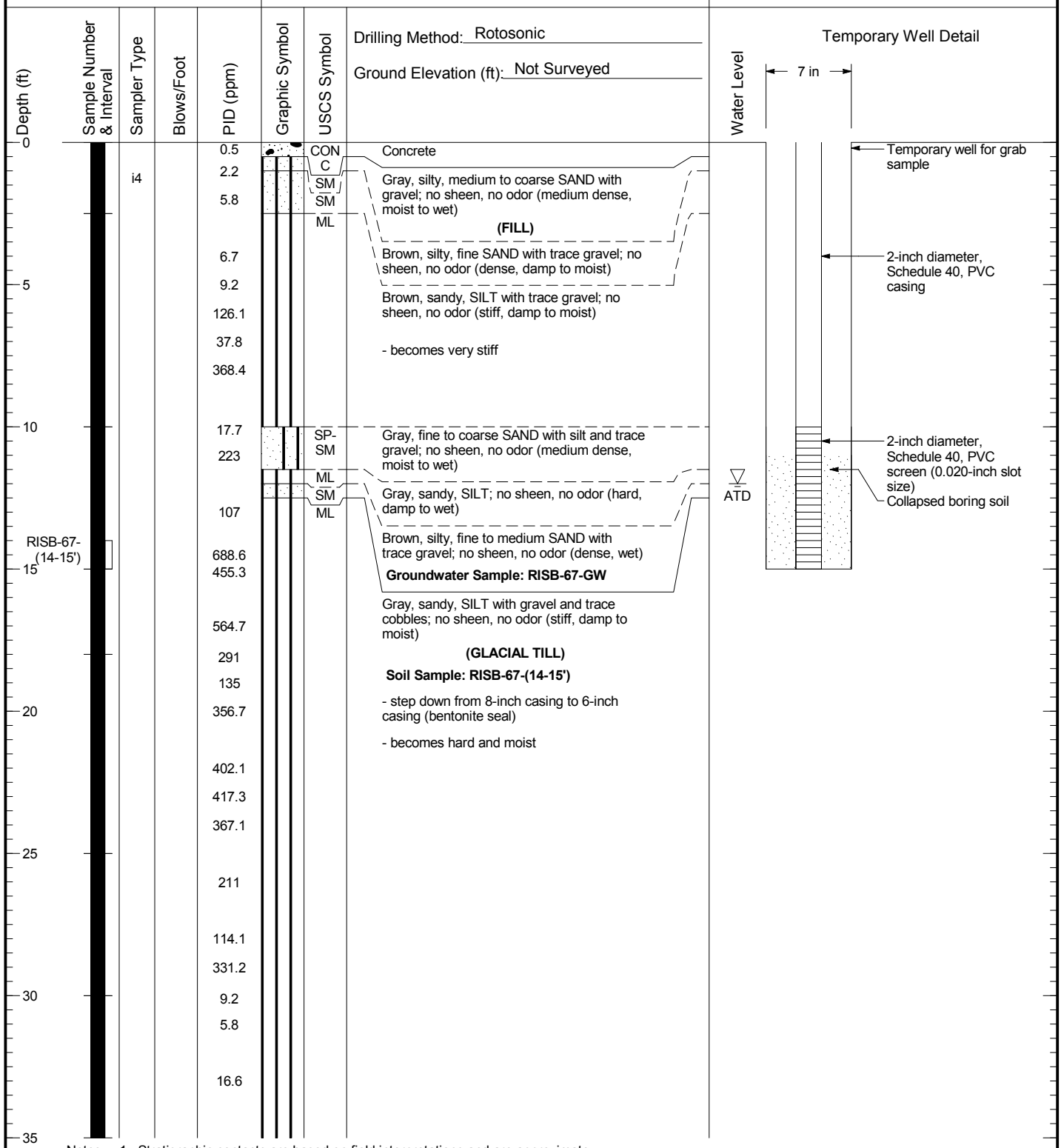
Log of Temporary Well RISB-66

Figure
A-72
(2 of 2)

RISB-67



Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-67

Figure
A-73
(1 of 2)

RISB-67

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Water Level

Drilling Method: Rotosonic

Ground Elevation (ft): Not Surveyed

Temporary Well Detail

Depth (ft)	Sample Number & Interval	PID (ppm)	USCS Symbol	
35		28.2	ML	
		8.2		
		4.0	SM	Gray, silty, medium SAND with gravel; no sheen, no odor (dense, wet)
		112.5	ML	Gray, sandy, SILT with gravel and trace cobbles; no sheen, no odor (very stiff, damp to moist)
		430.2		
40		214.9		
		180.5		
		19.8		
		110.1		
45		56		
		152.0		
		115.5		
		387.7		
50		5.2		
		3.1		
		3.5		
	RISB-67-(54-55')	3.2		**Soil Sample: RISB-67-(54-55')**
55				

Boring Completed 08/30/19
Total Depth of Boring = 55.0 ft.

60

65

70

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ WELL LOG

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Log of Temporary Well RISB-67

Figure
A-73
(2 of 2)

RISB-68

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed
0						CONC	Concrete
		i4		0.0		ML	Brown, SILT with sand and gravel; no sheen, no odor (medium stiff, moist) **(FILL)**
5				0.0			
				0.0		ML	Brown, sandy, SILT with gravel; no sheen, no odor (medium stiff, damp to moist)
10				245.8		SP-SM	Brown, medium SAND with silt and gravel and trace cobbles; no sheen, no odor (medium dense, moist to wet)
				329.0		ML	Brown, SILT with sand and gravel; no sheen, no odor (stiff, damp to moist)
				46.0			
				73.4			
15				58.3		SP-SM	Brown, fine SAND with silt and gravel and trace cobbles; no sheen, no odor (medium dense, moist to wet)
				152.7		ML	
						ML	Brown, SILT with sand and gravel; no sheen, no odor (stiff, damp to moist)
				211.3			Gray, SILT with sand and gravel; no sheen, no odor (stiff, damp to moist)
				33.3			
20				100.4		ML	Brown, gravelly, sandy, SILT with trace cobbles; no sheen, no odor (medium stiff, damp to moist)
				470.1		ML	Gray-brown, sandy, SILT with gravel; no sheen, no odor (stiff, damp to moist)
				212.8			
				399.7		ML	Gray, sandy, SILT with gravel and trace cobbles; no sheen, no odor (stiff, damp to moist)
25				152.3			**(GLACIAL TILL)**
	RISB-68-(26.5-27.5')			478.1			**Soil Sample: RISB-68-(26.5-27.5')**
				70.3			- paint smell and PID reading of 0.7 in driller's breathing zone for ~10 seconds
				157.4			
30				455.1			
				251.1			
				288.1			
				152.6			- 2 inch sandy lens
35							

Groundwater not encountered.

Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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Everett, Washington

Log of Boring RISB-68

Figure
A-74
(1 of 2)

RISB-68

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	
35				16.1		ML	Gray, SILT with sand and gravel and trace cobbles; no sheen, no odor (hard, damp to moist)	Groundwater not encountered.
				20.7				
				24.1				
				52.8				
40				37.7			- step down from 8-inch to 6-inch (3' bentonite seal)	
				19.4				
				87.8				
				38.0				
45				3.5				
				1.8				
				2.2				
50	RISB-68-(49-50')			4.1			**Soil Sample: RISB-68-(49-50')**	

Boring Completed 08/28/19
Total Depth of Boring = 50.0 ft.

55

60

65

70

Notes:
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ SOIL BORING LOG

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Log of Boring RISB-68

Figure
A-74
(2 of 2)

RISG-05

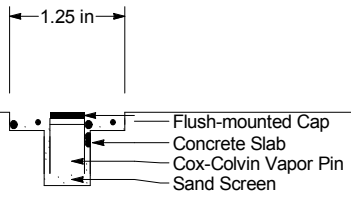
SAMPLE DATA | **SOIL PROFILE** | **SOIL GAS/VAPOR**

Drilling Method: Rotosonic

Ground Elevation (ft): Not Surveyed

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Description
0						CONC	Concrete
		d4		0.0		SP	Brown-gray, fine medium SAND with trace gravel and silt; no sheen, no odor (loose, damp) **(FILL)** **Soil Gas Sample: RISG-05-190325**
2	RISB-05-(2-3')					SM	Dark gray, silty, gravelly, fine to medium SAND; no sheen, no odor (loose, damp) **Soil Sample: RISB-05-(2-3')**
						ML	Medium brown, sandy, SILT with trace gravel; no sheen, no odor (soft, damp)
4				0.0			
6				0.0			
8				0.0			
10	RISB-05-(9.5-10.5')						**Soil Sample: RISB-05-(9.5-10.5')**
						SM	Gray, gravelly, very silty, SAND; no sheen, no odor (dense, moist) **(GLACIAL TILL)**

Vapor Well/implant Detail



Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISG-05

Figure
A-75
(1 of 2)

RISG-05

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Vapor Well/implant Detail
12				0.0		SM	Gray, gravelly, very silty, SAND; no sheen, no odor (dense, moist) **(GLACIAL TILL)** **Groundwater Sample: RISB-05-GW**	
14				0.0				
							Boring Completed 03/18/19 Total Depth of Boring = 15.0 ft.	
16								
18								
20								
22								

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISG-05

Figure
A-75
(2 of 2)

RISG-22

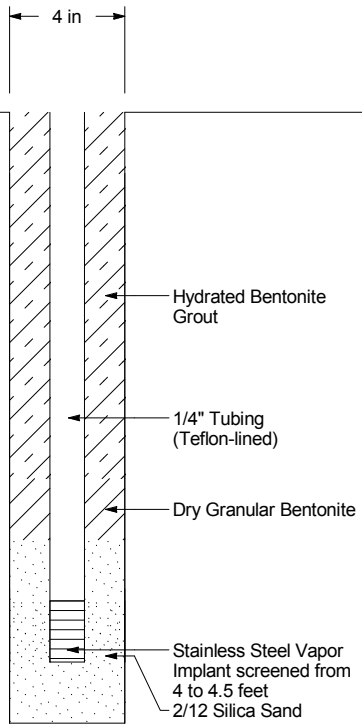
SAMPLE DATA | **SOIL PROFILE** | **SOIL GAS/VAPOR**

Drilling Method: Rotosonic

Ground Elevation (ft): Not Surveyed

Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Description
0						AC	Asphalt
				0.4		SP-SM	Brown-gray, gravelly, SAND with silt; no sheen, no odor (loose, damp) **(FILL)**
				2.4			**Soil Sample: RISB-22-(1-2')**
	RISB-22-(1-2')	d4				SM	Gray stained, silty, fine SAND with gravel; moderate sheen, petroleum like odor
2						SM	Tan, silty, fine SAND with gravel (medium dense, moist)
				5.2			
4							**Groundwater Sample: RISB-22-GW**
							Soil Gas Sample: RISG-22-190402
				7.8			
6				18.0			
	RISB-22-(6.5-7.5')						**Soil Sample: RISB-22-(6.5-7.5')**
8				12.4			
				2.0			
						SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, damp) **(GLACIAL TILL)**
10				1.0			

Vapor Well/implant Detail



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISG-22

Figure
A-76
(1 of 2)

RISG-22

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Vapor Well/implant Detail
				6.5		SM	Gray, silty, fine SAND with gravel; no sheen, no odor (dense, damp) **(GLACIAL TILL)**	
12				2.4				
14				3.0				
				0.9				
16				3.3				
18				1.0				
							Soil Sample: RISB-22-(19-20')	
	RISB-22-(19-20')			0.8				
20								

Boring Completed 03/28/19
Total Depth of Boring = 20.0 ft.

22

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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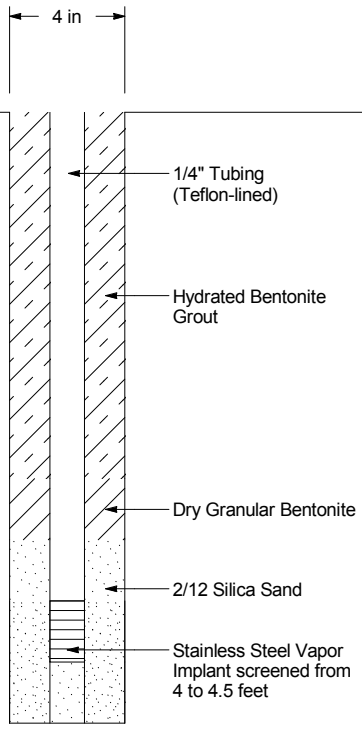
Log of Vapor Well/Implant RISG-22

Figure
A-76
(2 of 2)

RISG-42

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed
0						GP-GM	Brown, sandy, GRAVEL with silt and cobbles (loose, damp)
							(FILL)
						SP-SM	Gray, fine to medium SAND with gravel and silt (loose, damp)
						SM	Gray-tan, silty, fine SAND with gravel and coarse sand (dense, damp)
2				11.6			- becomes less dense
				2.2			
						SM	Gray, silty, fine SAND with trace gravel and rust colored layers (dense, damp)
		d4					
4				1.8			- becomes less dense
							Soil Gas Sample: RISG-42-190404
				25.5			- becomes dense
6						SM	Gray, silty, medium SAND (loose, damp)
						SM	Gray, silty, fine SAND with gravel (reworked till) (loose to dense, damp)
	RISB-42-(6.5-7.5')						**Soil Sample: RISB-42-(6.5-7.5')**
				122			
						SM	Gray, silty, fine SAND with gravel and cobbles (loose, damp)
8				103			
				64.8			
10						SP-SM	Dark gray, fine to medium SAND with gravel, cobbles, and some silt (loose, damp)
				73.1			

Vapor Well/implant Detail



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISG-42

Figure
A-77
(1 of 2)

RISG-42

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Rotosonic Ground Elevation (ft): Not Surveyed	Vapor Well/implant Detail
						SP-SM	Dark gray, fine to medium SAND with gravel, cobbles, and some silt (loose, damp)	
						SM	- becomes more dense and sand becomes finer	
	RISB-42-(11.5-12.5')							
12				85.6			Gray, silty, fine SAND with gravel; colorless sheen (dense, damp) **(GLACIAL TILL)** **Soil Sample: RISB-42-(11.5-12.5')**	
				26.1			- with trace cobbles	
14				19.8			**Groundwater Sample: RISB-42-GW**	
				1.2				
16				1.1				
				1.4				
18				0.7			**Soil Sample: RISB-42-(19-20')**	
	RISB-52-(19-20')							
20								

Boring Completed 04/03/19
Total Depth of Boring = 20.0 ft.

22

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
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222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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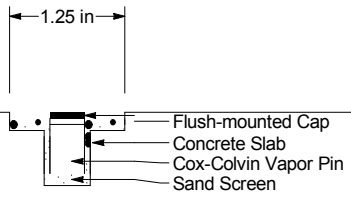
Log of Vapor Well/Implant RISG-42

Figure
A-77
(2 of 2)

RISG-55

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): Not Surveyed
0						CONC	Concrete
						SP	Brown, fine to medium SAND with trace silt and gravel; no sheen, no odor (loose, damp) **(FILL)** **Soil Gas Sample: RISG-55-190325**
						SM	Brown, silty, SAND with trace gravel; no sheen, no odor (loose, damp)
2		d3		0.0			- rust mottled
						ML	Brown, sandy, SILT with trace gravel; no sheen, no odor (soft, damp)
4							- moist
6				0.0			**Soil Sample: RISB-55-(7-8')**
	RISB-55-(7-8')						
8						SM	Brown, silty, fine to medium SAND with trace gravel; no sheen, no odor (loose, wet) **Groundwater Sample: RISB-55-GW**
10				0.0			
						ML	Brown, sandy, SILT with trace gravel; no sheen, no odor (stiff, wet)

Vapor Well/implant Detail



Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISG-55

Figure
A-78
(1 of 2)

RISG-55

SAMPLE DATA				SOIL PROFILE			SOIL GAS/VAPOR
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): Not Surveyed	Vapor Well/implant Detail
						ML	Brown, sandy, SILT with trace gravel; no sheen, no odor (stiff, wet)	
12								

Boring Completed 03/18/19
Total Depth of Boring = 12.0 ft.

14

16

18

20

22

Notes:
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2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 12/30/19 N:\PROJECTS\222057.010.GPJ VAPOR WELL/IMPLANT

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Log of Vapor Well/Implant RISG-55

Figure
A-78
(2 of 2)