

December 23, 2014

Mr. Ed Jones, Project Manager
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

BY E-MAIL ONLY

**RE: PROGRESS REPORT, OCTOBER THROUGH DECEMBER 2014
REMEDIAL INVESTIGATION MONITORING AND FEASIBILITY STUDY
CAPITAL INDUSTRIES, INC., SEATTLE, WASHINGTON
AGREED ORDER NO. DE 10402
FARALLON PN: 457-008**

Dear Mr. Jones:

Farallon Consulting, L.L.C. (Farallon) has prepared this progress report on behalf of Capital Industries, Inc. (Capital) to summarize the activities conducted in the fourth quarter of 2014, October through December, as part of the ongoing Remedial Investigation (RI) monitoring and Feasibility Study (FS) being conducted at the Capital Site at 5801 3rd Avenue South in Seattle, Washington. This progress report has been prepared in accordance with Agreed Order No. DE 10402 entered into by Capital and the Washington State Department of Ecology (Ecology) dated April 23, 2014 (Agreed Order).

ACTIVITIES DURING REPORTING PERIOD

Activities completed during the progress reporting period included:

- Completing groundwater sampling and processing the groundwater data collected in September and November 2014;
- Preparing a plan for vapor intrusion mitigation at the Pacific Foods North Building; and
- Continuing work on the Feasibility Study components under Agreed Order No. DE 10402.

The activities above are summarized in the sections that follow.

MONITORING AND SAMPLING ACTIVITIES

Activities conducted during this reporting period included conclusion of Tier 3 Vapor Intrusion Mitigation work and groundwater sampling. The activities completed are described below.



Tier 3 Vapor Intrusion Assessment and Mitigation Work

Farallon finalized the Tier 3 Vapor Intrusion Assessment Report dated August 20, 2014 for the Pacific Food Systems North Building located at 5815 4th Avenue South, Seattle, Washington. The results indicated that Tier 4 mitigation measures were recommended.

A Vapor Intrusion Mitigation Design Plan was submitted to Ecology and conditionally approved on November 19, 2014. A tentative schedule for installation of a subslab depressurization system (SSDS) was set forth under Ecology's conditional approval letter.

The installation schedule indicated that the SSDS installation work would be completed between December 17, 2014 and January 30, 2015. The SSDS installation work likely will not commence until early January 2015 due to availability of the system installation subcontractor and the holiday work schedule for Pacific Food Systems, but still may be completed by January 30, 2015. Farallon will provide Ecology with an updated schedule upon confirmation of an installation time frame mutually agreed upon by Pacific Foods Systems and the subcontractor installing the SSDS.

Groundwater Monitoring and Sampling

Routine groundwater monitoring and sampling was performed in September 2014. Farallon was required to update an Access Agreement with Cal Portland to continue sampling monitoring wells located on their property. The updated Access Agreement was executed on October 27, 2014 and Farallon returned to sample the remaining monitoring wells in November 2014. The results of the sampling were incorporated into the West of 4th Site database and into the Feasibility Study documents that will be publically available. Draft figures summarizing the results of the fall 2014 groundwater sampling are attached.

INTERIM MEASURES

No interim measures were implemented during this reporting period.

FEASIBILITY STUDY WORK

Agreed Order No. DE 10402 was signed on April 23, 2014. Farallon has since been working with the West of 4th Group to complete the following documents during this reporting period:

- Site Conceptual Model Memorandum, approved by Ecology on December 22, 2014.
- Draft Public Participation Plan, submitted to Ecology on October 24, 2014 and revised by Ecology on December 5, 2014. This document is awaiting response to Ecology's comments by the West of 4th Group. A final version is due January 7, 2015.
- Draft Fate and Transport Modeling Plan, submitted to Ecology on December 15, 2014.
- Draft Vapor Intrusion Assessment Monitoring and Mitigation Memorandum, submitted to Ecology on December 15, 2014.



- Draft Groundwater Monitoring Program Plan on October 20, 2014, which is being revised in accordance with Ecology comments and will be submitted as a final planning document by January 5, 2015.
- The Site Unit 2 Data Gaps Memorandum, submitted to Ecology on November 19, 2014, which is being revised to address Ecology comments and will be resubmitted as a final document by January 27, 2015.

PUBLIC COMMUNICATIONS

No public communication activities were completed during this period.

ANTICIPATED WORK IN THE NEXT QUARTER

Work anticipated to be performed during first quarter 2015, January through March, is summarized below.

MONITORING AND SAMPLING ACTIVITIES

The next groundwater monitoring and sampling event is tentatively scheduled for March 2015. No other monitoring or sampling activities are proposed at this time.

VAPOR INTRUSION

Farallon will complete installation and begin operation of an SSDS at the Pacific Food Systems North Building. Confirmation testing of the effectiveness of the system will be completed following start-up anticipated to be in late January or early February 2015.

INTERIM MEASURES

No interim measures are anticipated during the next reporting period.

PUBLIC COMMUNICATIONS

The project website will be updated with an electronic copy of this progress report. The next progress report will summarize activities completed from January through March 2015 and will be submitted on or before March 31, 2015.



CLOSING

Farallon trusts that this quarterly progress report provides sufficient information for Ecology. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Jeffrey Kaspar, L.G., L.H.G.
Principal Geologist

Peter Jewett, L.G., L.E.G.
Principal

Attachment: Attachment A, September and November 2014 Groundwater Monitoring and Sampling Preliminary Results

cc: Ron Taylor, Capital Industries, Inc. (by e-mail)
Donald Verfurth, Gordon and Rees, L.L.P. (by e-mail)

E-mail with link to electronic copy on project website:

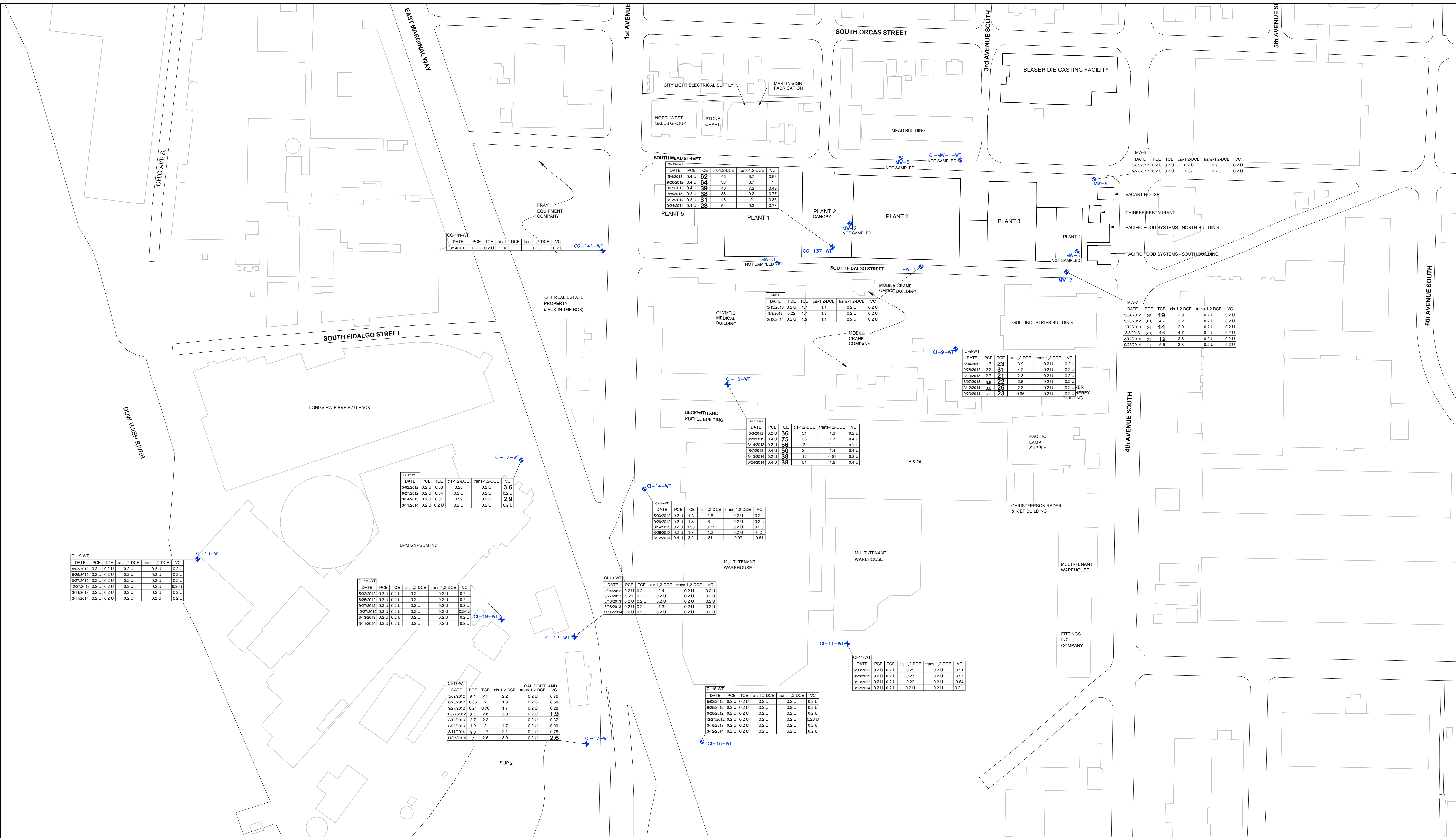
Janet Knox, Pacific Groundwater Group
Dana Cannon, Aspect Consulting
Bill Carroll, Arrow Environmental
Bill Beck, Phillips Service Corporation

JK/PJ:bw

**ATTACHMENT A
SEPTEMBER AND NOVEMBER 2014 GROUNDWATER MONITORING
AND SAMPLING PRELIMINARY RESULTS**

PROGRESS REPORT, OCTOBER THROUGH DECEMBER 2014
Capital Industries, Inc.
Seattle, Washington

Farallon PN: 457-008



DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/02/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
6/25/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
9/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
12/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.26 U
3/14/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/11/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/02/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
6/25/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
9/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
12/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.26 U
3/13/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/11/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

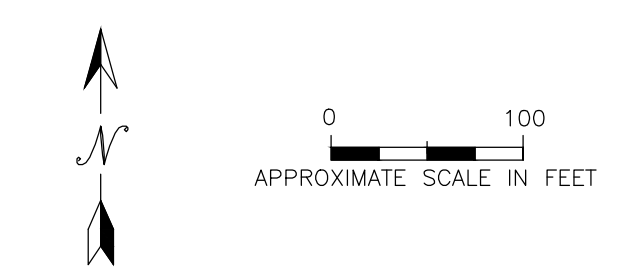
DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/02/2012	5.2	2.2	2.2	0.2 U	0.76
6/25/2012	0.85	2	1.8	0.2 U	0.58
9/27/2012	0.21	0.76	1.7	0.2 U	0.26
12/27/2012	4.4	2.6	3.9	0.2 U	1.9
3/13/2013	2.7	2.3	1	0.2 U	0.37
8/06/2013	1.9	2	4.7	0.2 U	0.99
3/11/2014	9.6	1.7	2.1	0.2 U	0.78
11/05/2014	7	2.6	3.9	0.2 U	2.6

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/03/2012	0.2 U	1.3	1.8	0.2 U	0.2 U
9/28/2012	0.2 U	1.8	6.1	0.2 U	0.2 U
3/14/2013	0.2 U	0.98	0.77	0.2 U	0.2 U
8/06/2013	0.2 U	1.7	1.2	0.2 U	0.2
3/12/2014	0.4 U	3.2	8.1	0.97	0.61

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/02/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
6/25/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
9/28/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
12/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.26 U
3/13/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/15/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/12/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

LEGEND

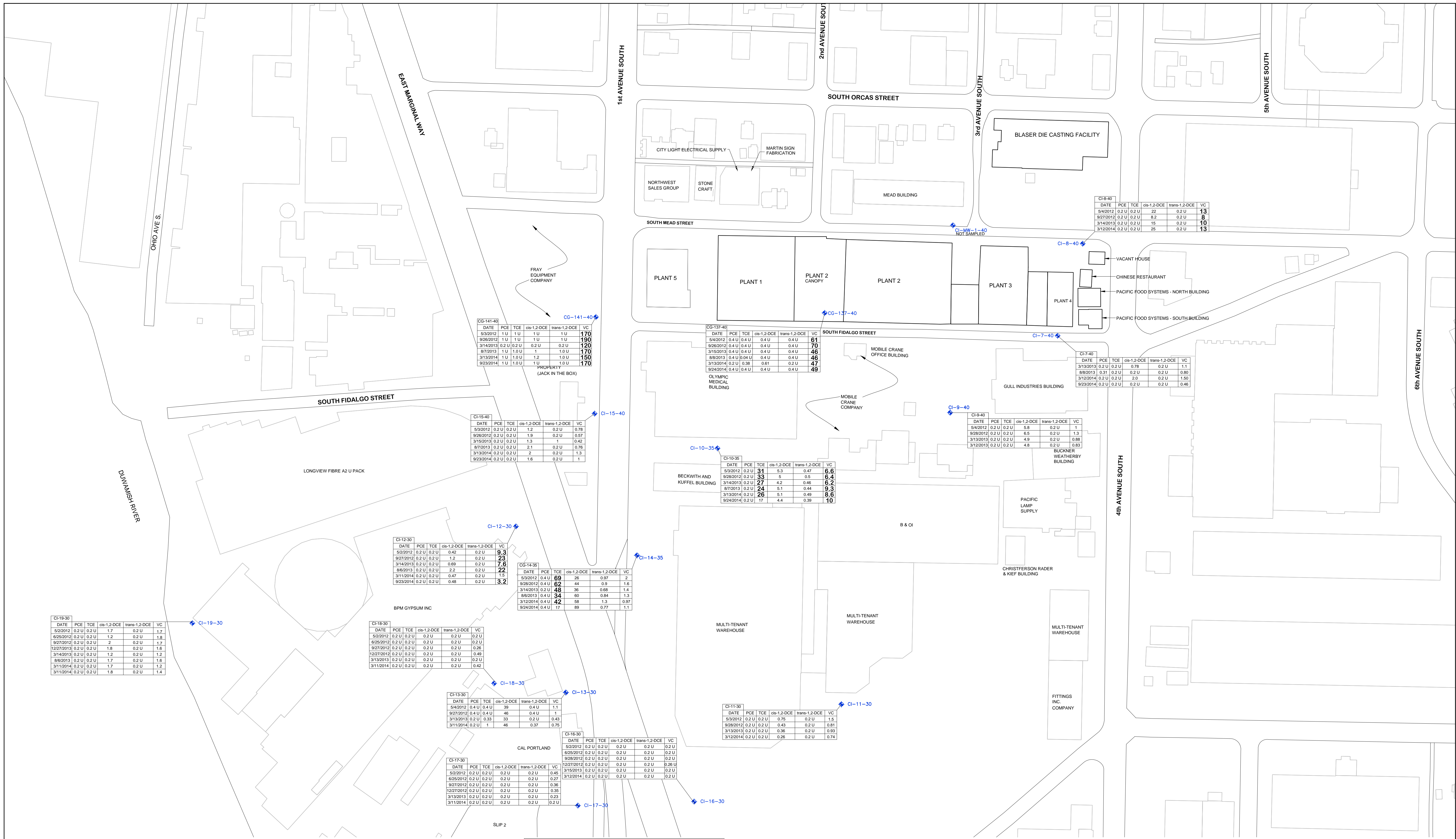
- ◆ CAPITAL INDUSTRIES MONITORING WELL
- ALL ANALYTICAL RESULTS IN MICROGRAMS PER LITER, SAMPLE DATES LISTED
- DCE = DICHLOROETHENE
- PCE = TETRACHLOROETHENE
- TCE = TRICHLOROETHENE
- VC = VINYL CHLORIDE
- BOLD** = INDICATES CONCENTRATIONS EXCEED WEST OF FOURTH GROUNDWATER INVESTIGATION SCREENING LEVELS FOR GROUNDWATER
- U = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT



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FIGURE 1
GROUNDWATER ANALYTICAL RESULTS FOR
WATER TABLE ZONE: 2012-2014
REMEDIAL INVESTIGATION
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON
FARALLON PN: 457-007
Date: 12/22/2014 Disk Reference: 457-007c



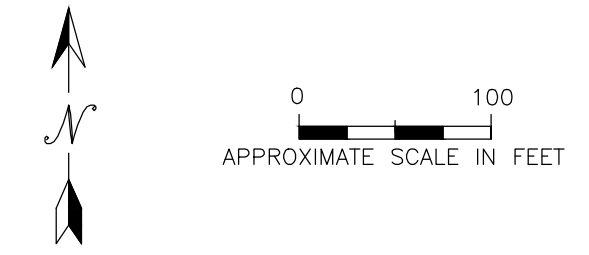
DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/2/2012	0.2 U	0.2 U	1.7	0.2 U	1.7
6/25/2012	0.2 U	0.2 U	1.2	0.2 U	1.8
9/27/2012	0.2 U	0.2 U	2	0.2 U	1.7
12/27/2013	0.2 U	0.2 U	1.8	0.2 U	1.6
3/14/2013	0.2 U	0.2 U	1.2	0.2 U	1.2
8/6/2013	0.2 U	0.2 U	1.7	0.2 U	1.6
3/11/2014	0.2 U	0.2 U	1.7	0.2 U	1.2
3/11/2014	0.2 U	0.2 U	1.8	0.2 U	1.4

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/2/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
6/25/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
9/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
12/27/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/14/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.49
8/6/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/13/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/11/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.42

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/4/2012	0.4 U	0.4 U	39	0.4 U	1.1
9/27/2012	0.4 U	0.4 U	46	0.4 U	1
3/13/2013	0.2 U	0.33	33	0.2 U	0.43
3/11/2014	0.2 U	1	46	0.37	0.75

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/2/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.45
6/25/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.27
9/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.36
12/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.35
3/13/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.23
3/11/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

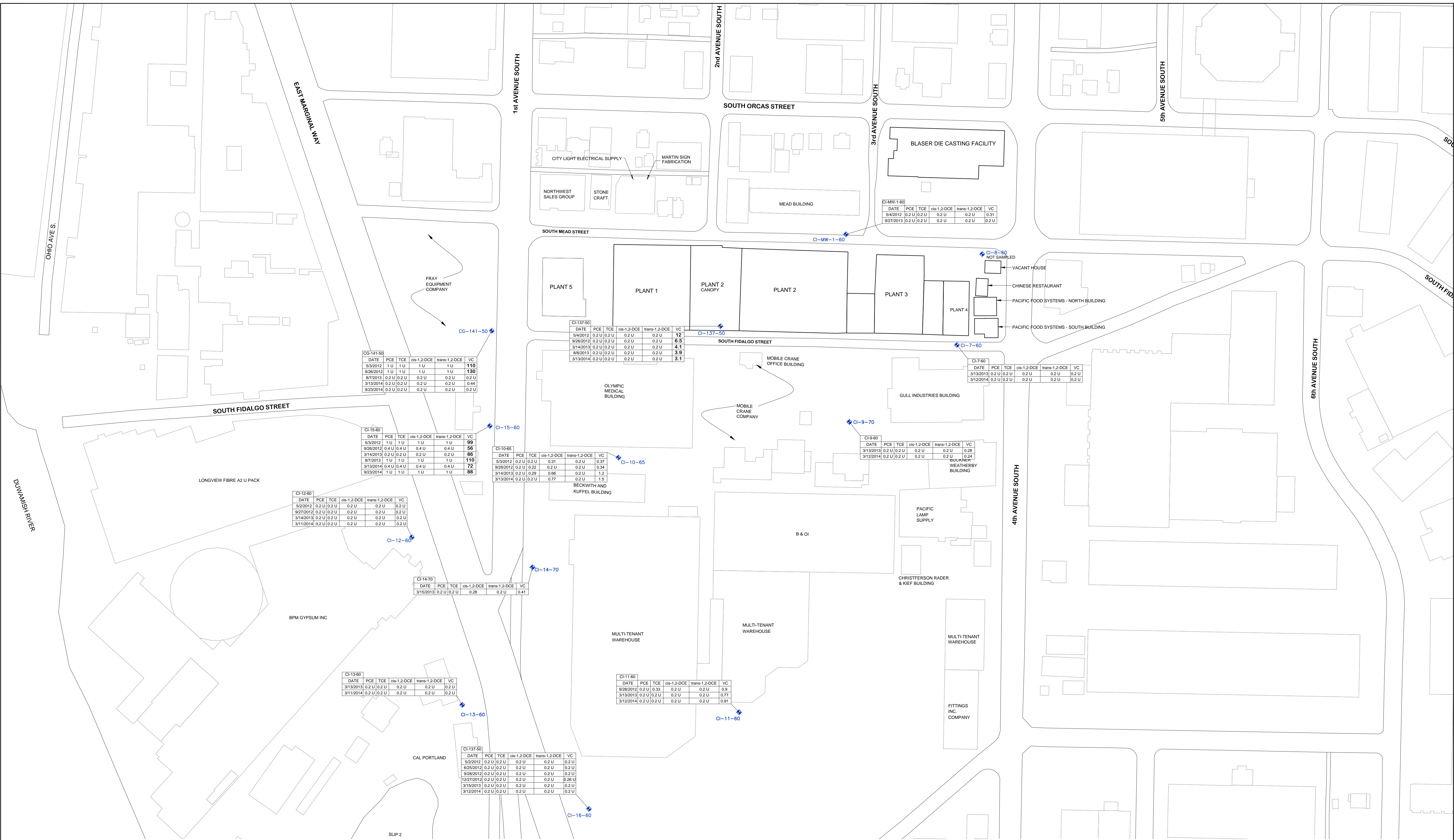
LEGEND
 ◆ CAPITAL INDUSTRIES MONITORING WELL
 ALL ANALYTICAL RESULTS IN MICROGRAMS PER LITER, SAMPLE DATES LISTED
 DCE = DICHLOROETHENE
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BOLD - INDICATES CONCENTRATIONS EXCEED WEST OF FOURTH GROUNDWATER INVESTIGATION SCREENING LEVELS FOR GROUNDWATER
 U - INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT



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FIGURE 2
 GROUNDWATER ANALYTICAL RESULTS FOR
 SHALLOW ZONE: 2012-2014
 REMEDIAL INVESTIGATION
 CAPITAL INDUSTRIES, INC.
 SEATTLE, WASHINGTON
 FARALLON PN: 457-007
 Drawn By: DEW Checked By: JK Date: 12/22/2014 Disk Reference: 457-007c



CG-141-50

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/3/2012	1 U	1 U	1 U	1 U	110
9/26/2012	1 U	1 U	1 U	1 U	130
8/7/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/13/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.44
9/23/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

CI-15-60

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/3/2012	1 U	1 U	1 U	1 U	99
9/26/2012	0.4 U	0.4 U	0.4 U	0.4 U	56
3/14/2013	0.2 U	0.2 U	0.2 U	0.2 U	66
8/7/2013	1 U	1 U	1 U	1 U	110
3/13/2014	0.4 U	0.4 U	0.4 U	0.4 U	72
9/23/2014	1 U	1 U	1 U	1 U	88

CI-12-60

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/2/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
9/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/14/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/11/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

CI-14-70

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
3/15/2013	0.2 U	0.2 U	0.28	0.2 U	0.41

CI-13-60

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
3/13/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/11/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

CI-137-50

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/2/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
8/25/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
9/26/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
12/27/2012	0.2 U	0.2 U	0.2 U	0.2 U	0.26 U
3/15/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/12/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

CI-137-60

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/4/2012	0.2 U	0.2 U	0.2 U	0.2 U	12
9/26/2012	0.2 U	0.2 U	0.2 U	0.2 U	6.5
3/14/2013	0.2 U	0.2 U	0.2 U	0.2 U	4.1
8/6/2013	0.2 U	0.2 U	0.2 U	0.2 U	3.9
3/13/2014	0.2 U	0.2 U	0.2 U	0.2 U	3.1

CI-10-65

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
5/3/2012	0.2 U	0.2 U	0.31	0.2 U	0.37
9/26/2012	0.2 U	0.22	0.2 U	0.2 U	0.34
3/14/2013	0.2 U	0.29	0.66	0.2 U	1.2
3/13/2014	0.2 U	0.2 U	0.77	0.2 U	1.5

CI-9-70

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
3/13/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.28
3/12/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.24

CI-7-60

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
3/13/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3/12/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

CI-11-60

DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
9/26/2012	0.2 U	0.30	0.2 U	0.2 U	0.9
3/13/2013	0.2 U	0.2 U	0.2 U	0.2 U	0.77
3/12/2014	0.2 U	0.2 U	0.2 U	0.2 U	0.91

LEGEND

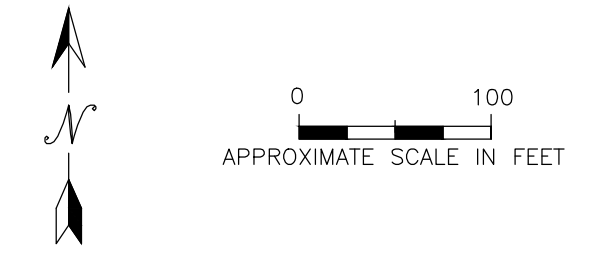
◆ CAPITAL INDUSTRIES MONITORING WELL

ALL ANALYTICAL RESULTS IN MICROGRAMS PER LITER, SAMPLE DATES LISTED

DCE = DICHLOROETHENE
 PCE = TETRACHLOROETHENE
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BOLD = INDICATES CONCENTRATIONS EXCEED WEST OF FOURTH GROUNDWATER INVESTIGATION SCREENING LEVELS FOR GROUNDWATER

U = INDICATES CONCENTRATIONS NOT DETECTED ABOVE



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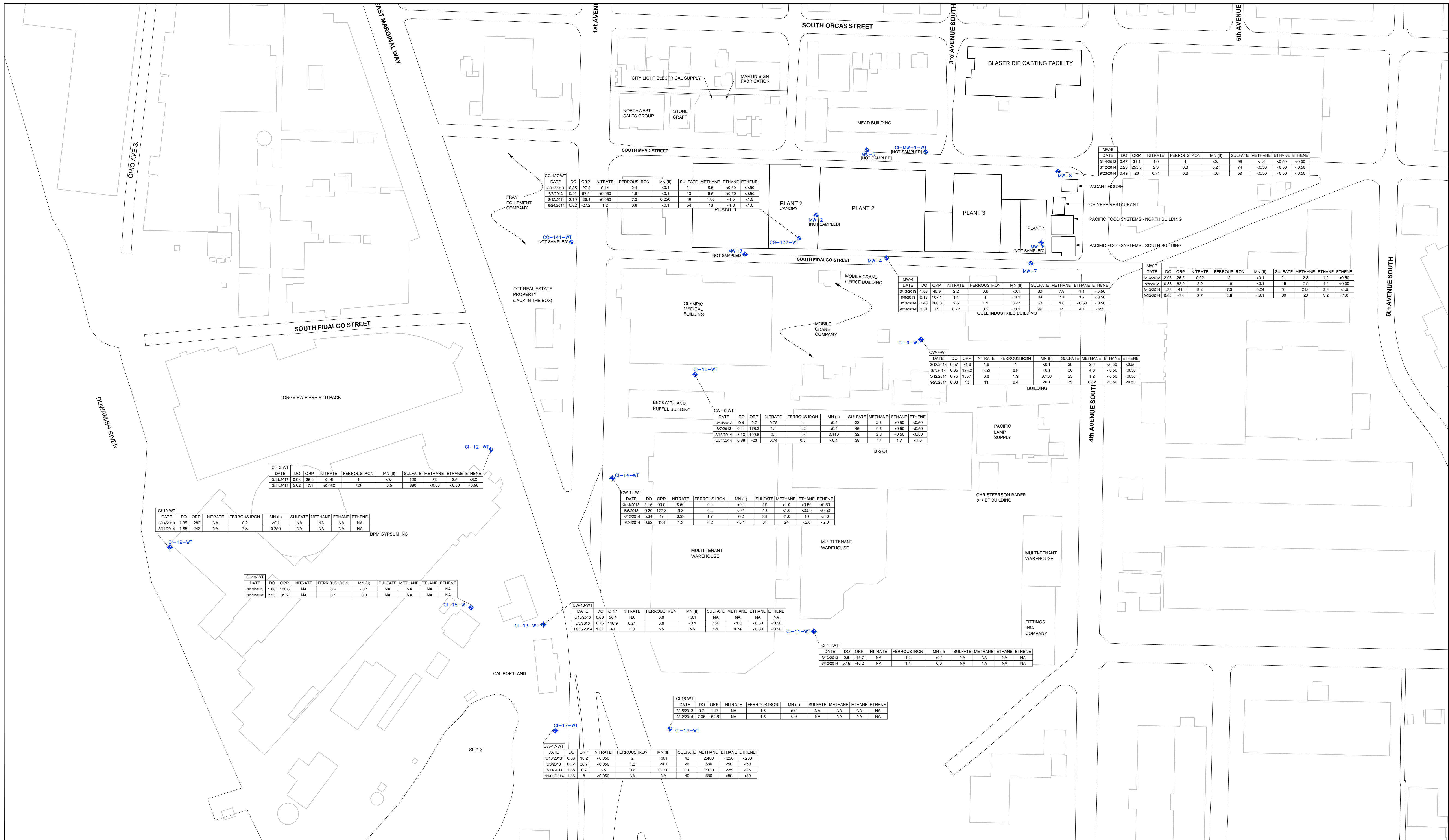
FIGURE 3

GROUNDWATER ANALYTICAL RESULTS FOR INTERMEDIATE ZONE: 2012-2014

REMEDIAL INVESTIGATION CAPITAL INDUSTRIES, INC. SEATTLE, WASHINGTON

FARALLON PN: 457-007

Drawn By: DEW Checked By: JK Date: 12/22/2014 Disk Reference: 457-007c



CG-137-WT

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/15/2013	0.85	-27.2	0.14	2.4	<0.1	11	8.5	<0.50	<0.50
8/8/2013	0.41	67.1	<0.050	1.6	<0.1	13	6.5	<0.50	<0.50
3/12/2014	3.19	-20.4	<0.050	7.3	0.250	49	17.0	<1.5	<1.5
9/24/2014	0.52	-27.2	1.2	0.6	<0.1	54	16	<1.0	<1.0

MW-8

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	0.47	31.1	1.0	1	<0.1	98	<1.0	<0.50	<0.50
3/12/2014	2.25	255.5	2.3	3.3	0.21	74	<0.50	<0.50	<0.50
9/23/2014	0.49	23	0.71	0.8	<0.1	59	<0.50	<0.50	<0.50

MW-4

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	1.58	45.9	2.2	0.6	<0.1	60	7.9	1.7	<0.50
8/30/2013	0.18	107.1	1.4	1	<0.1	84	7.1	1.7	<0.50
3/13/2014	2.48	266.8	2.6	1.1	0.77	63	1.0	<0.50	<0.50
9/24/2014	0.31	11	0.72	0.2	<0.1	99	4.1	4.1	<2.5

MW-7

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	2.06	25.5	0.92	2	<0.1	21	2.8	1.2	<0.50
8/8/2013	0.38	62.9	2.9	1.6	<0.1	48	7.5	1.4	<0.50
3/13/2014	1.38	141.4	8.2	7.3	0.24	51	21.0	3.8	<1.5
9/23/2014	0.62	-7.3	2.7	2.6	<0.1	60	20	3.2	<1.0

CW-8-WT

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.57	71.6	1.6	1	<0.1	36	2.6	<0.50	<0.50
8/7/2013	0.36	128.2	0.52	0.8	<0.1	30	4.3	<0.50	<0.50
3/12/2014	0.75	155.1	3.8	1.9	0.130	25	1.2	<0.50	<0.50
9/23/2014	0.38	13	1.1	0.4	<0.1	39	0.82	<0.50	<0.50

CI-12-WT

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	0.96	35.4	0.06	1	<0.1	120	73	8.5	<6.0
3/11/2014	5.62	-7.1	<0.050	5.2	0.5	380	<0.50	<0.50	<0.50

CI-19-WT

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	1.35	-282	NA	0.2	<0.1	NA	NA	NA	NA
3/11/2014	1.85	-242	NA	7.3	0.250	NA	NA	NA	NA

CI-18-WT

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	1.06	100.6	NA	0.4	<0.1	NA	NA	NA	NA
3/11/2014	2.53	31.2	NA	0.1	0.0	NA	NA	NA	NA

CW-13-WT

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.66	56.4	NA	0.6	<0.1	NA	NA	NA	NA
8/6/2013	0.76	116.9	0.21	0.6	<0.1	150	<1.0	<0.50	<0.50
11/05/2014	1.31	40	2.9	NA	NA	170	0.74	<0.50	<0.50

CI-11-WT

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.6	-15.7	NA	1.4	<0.1	NA	NA	NA	NA
3/12/2014	5.18	-40.2	NA	1.4	0.0	NA	NA	NA	NA

CI-16-WT

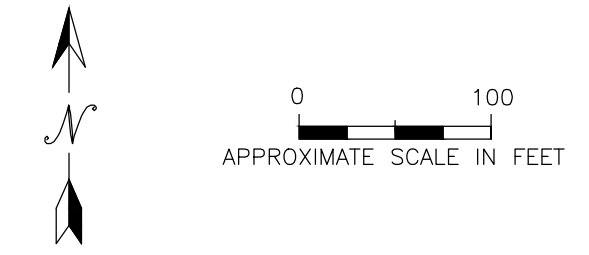
DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/15/2013	0.7	-117	NA	1.8	<0.1	NA	NA	NA	NA
3/12/2014	7.36	-52.6	NA	1.6	0.0	NA	NA	NA	NA

CW-17-WT

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.08	18.2	<0.050	2	<0.1	42	2.40	<250	<250
8/6/2013	0.22	36.7	<0.050	1.2	<0.1	26	680	<50	<50
3/11/2014	1.88	0.2	3.5	3.6	0.180	110	190.0	<25	<25
11/05/2014	1.23	8	<0.050	NA	NA	40	550	<50	<50

LEGEND

- ◆ CAPITAL INDUSTRIES MONITORING WELL
- DO = DISSOLVED OXYGEN (MILLIGRAMS PER LITER) (mg/L)
- ORP = OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
- MN (II) = MANGANESE II
- NA = NOT ANALYZED
- FERROUS IRON, MAGANESE II, NITRATE AND SULFATE IN mg/L UNITS
- METHANE, ETHANE, AND ETHENE IN MICROGRAMS PER LITER UNITS

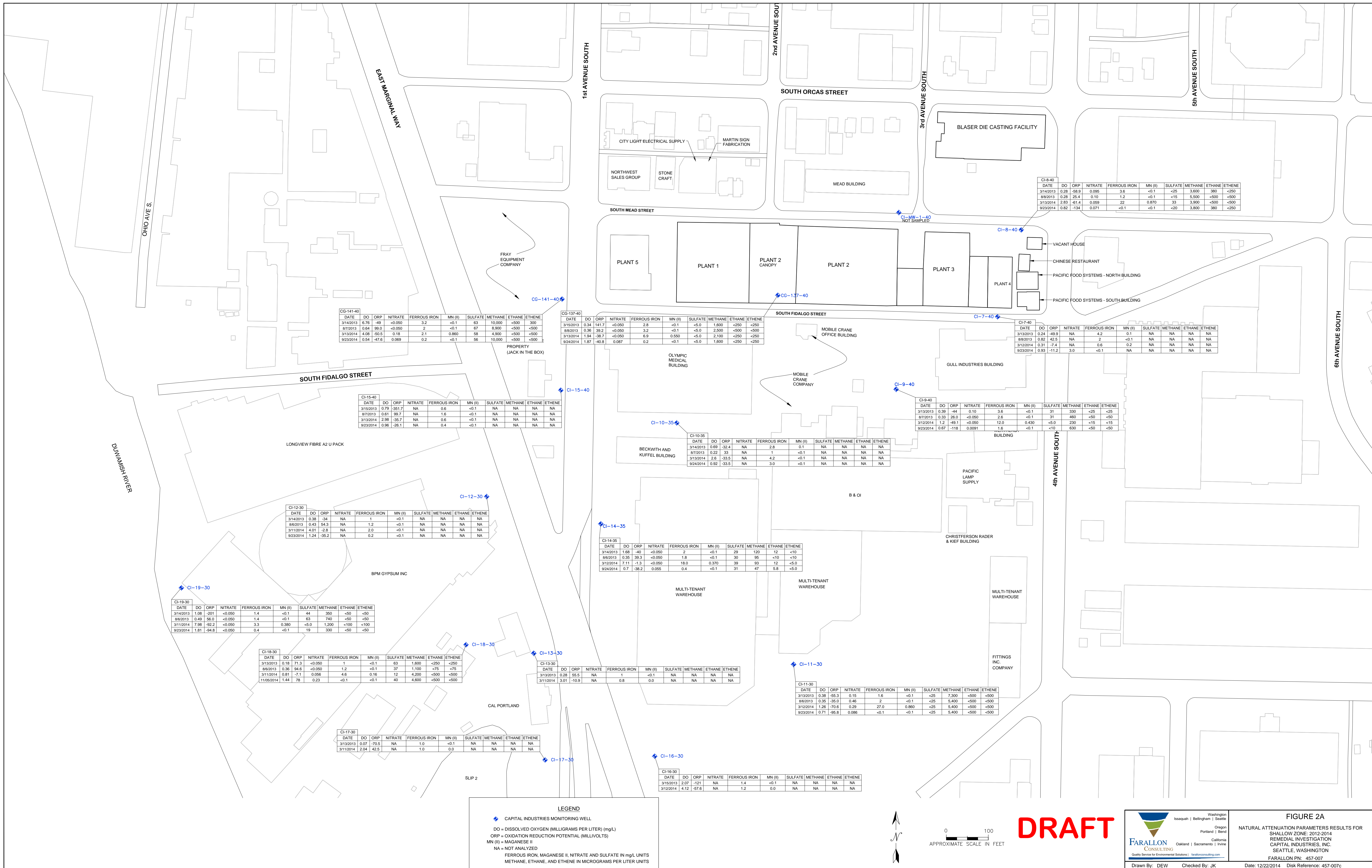


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FIGURE 1A
NATURAL ATTENUATION PARAMETERS RESULTS FOR WATER TABLE ZONE: 2012-2014
REMEDIAL INVESTIGATION
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON
FARALLON PN: 457-007

Drawn By: DEW Checked By: JK Date: 12/22/2014 Disk Reference: 457-007c



CG-141-40

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	6.76	-49	<0.050	3.2	<0.1	63	10,000	<500	300
8/7/2013	0.64	99.0	<0.050	2	<0.1	67	8,900	<500	<500
3/13/2014	4.08	-50.5	0.16	2.1	0.860	58	4,900	<500	<500
9/23/2014	0.54	-47.6	0.069	0.2	<0.1	56	10,000	<500	<500

CG-137-40

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/15/2013	0.34	141.7	<0.050	2.8	<0.1	<5.0	1,600	<250	<250
8/8/2013	0.36	39.2	<0.050	3.2	<0.1	<5.0	2,500	<500	<500
3/13/2014	1.94	-38.7	<0.050	6.9	0.550	<5.0	2,100	<250	<250
9/24/2014	1.87	-40.8	0.087	0.2	<0.1	<5.0	1,600	<250	<250

CI-8-40

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	0.28	-58.9	0.095	3.6	<0.1	<25	3,600	380	<250
8/8/2013	0.28	25.4	0.10	1.2	<0.1	<15	5,500	<500	<500
3/13/2014	2.83	-81.4	0.059	22	0.870	33	3,900	<500	<500
9/23/2014	0.82	-134	0.071	<0.1	<0.1	<20	3,800	380	<250

CI-15-40

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/15/2013	0.79	-351.7	NA	0.6	<0.1	NA	NA	NA	NA
8/7/2013	0.61	39.7	NA	1.6	<0.1	NA	NA	NA	NA
3/13/2014	2.98	-35.7	NA	0.6	<0.1	NA	NA	NA	NA
9/23/2014	0.96	-26.1	NA	0.4	<0.1	NA	NA	NA	NA

CI-15-40

CI-10-35

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	0.69	-32.4	NA	2.8	0.1	NA	NA	NA	NA
8/7/2013	0.22	33	NA	1	<0.1	NA	NA	NA	NA
3/13/2014	2.6	-33.5	NA	4.2	<0.1	NA	NA	NA	NA
9/24/2014	0.92	-33.5	NA	3.0	<0.1	NA	NA	NA	NA

CI-10-35

CI-7-40

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.24	-49.9	NA	4.2	0.1	NA	NA	NA	NA
8/8/2013	0.82	42.5	NA	2	<0.1	NA	NA	NA	NA
3/12/2014	0.31	-7.4	NA	0.6	0.2	NA	NA	NA	NA
9/23/2014	0.93	-11.2	3.0	<0.1	NA	NA	NA	NA	NA

CI-7-40

CI-8-40

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.38	-44	0.10	3.6	<0.1	31	330	<25	<25
8/7/2013	0.33	26.0	<0.050	2.6	<0.1	31	460	<50	<50
3/12/2014	1.2	-49.1	<0.050	12.0	0.430	<5.0	230	<15	<15
9/23/2014	0.67	-118	0.091	1.6	<0.1	<10	630	<50	<50

CI-8-40

CI-12-30

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	0.38	-34	NA	1	<0.1	NA	NA	NA	NA
8/6/2013	0.43	54.3	NA	1.2	<0.1	NA	NA	NA	NA
3/11/2014	4.01	-2.8	NA	2.0	<0.1	NA	NA	NA	NA
9/23/2014	1.24	-35.2	NA	0.2	<0.1	NA	NA	NA	NA

CI-12-30

CI-14-35

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	1.68	-40	<0.050	2	<0.1	29	120	12	<10
8/6/2013	0.35	39.3	<0.050	1.8	<0.1	30	95	<10	<10
3/12/2014	7.11	-1.3	<0.050	18.0	0.370	39	93	12	<5.0
9/24/2014	0.7	-38.2	0.055	0.4	<0.1	31	47	5.8	<5.0

CI-14-35

CI-19-30

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	1.08	-201	<0.050	1.4	<0.1	44	350	<50	<50
8/6/2013	0.49	56.0	<0.050	1.4	<0.1	63	740	<50	<50
3/11/2014	7.98	-92.2	<0.050	3.3	0.380	<5.0	1,200	<100	<100
9/23/2014	1.81	-94.8	<0.050	0.4	<0.1	19	330	<50	<50

CI-19-30

CI-18-30

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.19	71.3	<0.050	1	<0.1	63	1,600	<250	<250
8/6/2013	0.36	94.6	<0.050	1.2	<0.1	37	1,100	<75	<75
3/11/2014	0.81	-7.1	0.056	4.6	0.16	12	4,200	<500	<500
11/05/2014	1.44	78	0.23	<0.1	<0.1	40	4,600	<500	<500

CI-18-30

CI-13-30

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.28	55.5	NA	1	<0.1	NA	NA	NA	NA
3/11/2014	3.01	-10.9	NA	0.8	0.0	NA	NA	NA	NA

CI-13-30

CI-11-30

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.38	-55.3	0.15	1.6	<0.1	<25	7,300	<500	<500
8/6/2013	0.35	-35.0	0.46	2	<0.1	<25	5,400	<500	<500
3/12/2014	1.26	-70.6	0.29	27.0	0.860	<25	5,400	<500	<500
9/23/2014	0.71	-95.8	0.086	<0.1	<0.1	<25	5,400	<500	<500

CI-11-30

CI-17-30

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.07	-70.5	NA	1.0	<0.1	NA	NA	NA	NA
3/11/2014	2.04	42.5	NA	1.0	0.0	NA	NA	NA	NA

CI-17-30

CI-16-30

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	2.07	-121	NA	1.4	<0.1	NA	NA	NA	NA
3/12/2014	4.12	-57.6	NA	1.2	0.0	NA	NA	NA	NA

CI-16-30

LEGEND
 ◆ CAPITAL INDUSTRIES MONITORING WELL
 DO = DISSOLVED OXYGEN (MILLIGRAMS PER LITER) (mg/L)
 ORP = OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
 MN (II) = MAGANESE II
 NA = NOT ANALYZED
 FERROUS IRON, MAGANESE II, NITRATE AND SULFATE IN mg/L UNITS
 METHANE, ETHANE, AND ETHENE IN MICROGRAMS PER LITER UNITS



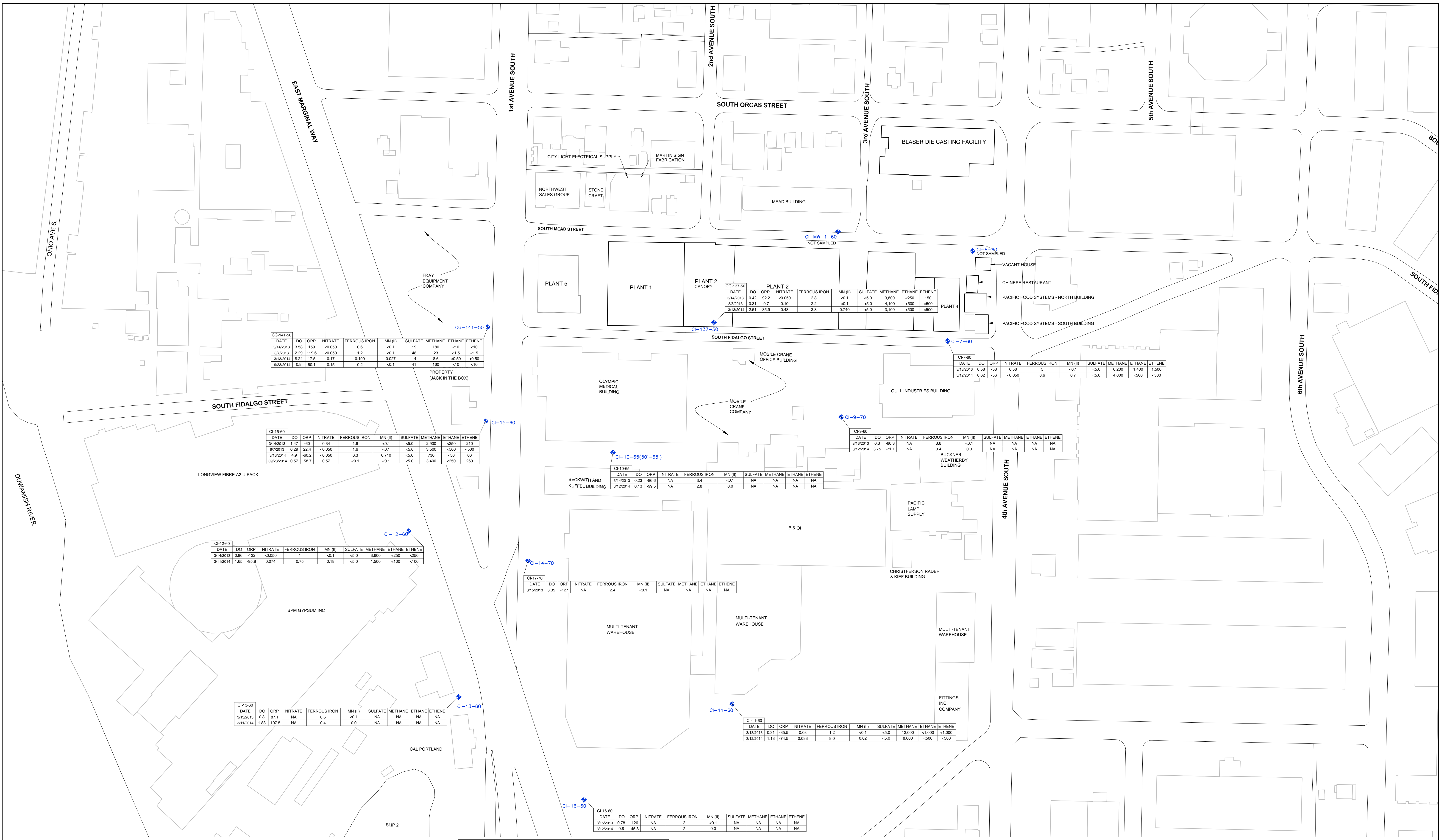
0 100
 APPROXIMATE SCALE IN FEET

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FIGURE 2A
 NATURAL ATTENUATION PARAMETERS RESULTS FOR
 SHALLOW ZONE: 2012-2014
 REMEDIAL INVESTIGATION
 CAPITAL INDUSTRIES, INC.
 SEATTLE, WASHINGTON
 FARALLON PN: 457-007

Drawn By: DEW Checked By: JK Date: 12/22/2014 Disk Reference: 457-007c



CG-141-60

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	3.58	159	<0.050	0.6	<0.1	19	180	<10	<10
8/7/2013	2.29	119.6	<0.050	1.2	<0.1	48	23	<1.5	<1.5
3/13/2014	8.24	17.5	0.17	0.190	0.027	14	8.6	<0.50	<0.50
9/23/2014	0.8	60.1	0.15	0.2	<0.1	41	150	<10	<10

CI-15-60

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	1.47	-80	0.34	1.6	<0.1	<5.0	2,900	<250	210
8/7/2013	0.29	22.4	<0.050	1.6	<0.1	<5.0	3,500	<500	<500
3/13/2014	4.9	-60.2	<0.050	6.3	0.710	<5.0	730	<50	66
09/23/2014	0.57	-58.7	0.57	<0.1	<0.1	<5.0	3,400	<250	260

CI-12-60

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	0.96	-132	<0.050	1	<0.1	<5.0	3,600	<250	<250
3/11/2014	1.65	-95.8	0.074	0.75	0.18	<5.0	1,500	<100	<100

CI-13-60

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.8	87.1	NA	0.6	<0.1	NA	NA	NA	NA
3/11/2014	1.88	-107.5	NA	0.4	0.0	NA	NA	NA	NA

CG-137-50

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	0.42	-82.2	<0.050	2.8	<0.1	<5.0	3,800	<250	150
8/8/2013	0.31	-9.7	0.10	2.2	<0.1	<5.0	4,100	<500	<500
3/13/2014	2.51	-85.9	0.48	3.3	0.740	<5.0	3,100	<500	<500

CI-7-60

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.58	-58	0.58	5	<0.1	<5.0	6,200	1,400	1,500
3/12/2014	0.62	-56	<0.050	8.6	0.7	<5.0	4,000	<500	<500

CI-9-60

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.3	-60.3	NA	3.6	<0.1	NA	NA	NA	NA
3/12/2014	3.75	-71.1	NA	0.4	0.0	NA	NA	NA	NA

CI-10-65(50'-65')

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/14/2013	0.23	-86.6	NA	3.4	<0.1	NA	NA	NA	NA
3/12/2014	0.13	-99.5	NA	2.8	0.0	NA	NA	NA	NA

CI-17-70

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/15/2013	3.35	-127	NA	2.4	<0.1	NA	NA	NA	NA

CI-11-60

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/13/2013	0.31	-35.5	0.08	1.2	<0.1	<5.0	12,000	<1,000	<1,000
3/12/2014	1.18	-74.5	0.083	8.0	0.62	<5.0	8,000	<500	<500

CI-16-60

DATE	DO	ORP	NITRATE	FERROUS IRON	MN (II)	SULFATE	METHANE	ETHANE	ETHENE
3/15/2013	0.78	-126	NA	1.2	<0.1	NA	NA	NA	NA
3/12/2014	0.8	-45.8	NA	1.2	0.0	NA	NA	NA	NA

LEGEND

- ◆ CAPITAL INDUSTRIES MONITORING WELL
- DO = DISSOLVED OXYGEN (MILLIGRAMS PER LITER) (mg/L)
- ORP = OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
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 Washington: Issaquah | Bellingham | Seattle
 Oregon: Portland | Bend
 California: Oakland | Sacramento | Irvine

FIGURE 3A
 NATURAL ATTENUATION PARAMETERS RESULTS FOR
 INTERMEDIATE ZONE: 2012-2014
 REMEDIAL INVESTIGATION
 CAPITAL INDUSTRIES, INC.
 SEATTLE, WASHINGTON
 FARALLON PN: 457-007
 Drawn By: DEW Checked By: JK Date: 12/22/2014 Disk Reference: 457-007c