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April 13, 2017

Ms. Louise Bardy
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

BY E-MAIL ONLY

RE: CLEANUP STATUS AND PERMANENT CLEANUP ACTION
OLD STONEWAY RENTON PROPERTY
1915 SOUTHEAST MAPLE VALLEY HIGHWAY, RENTON, WASHINGTON
VOLUNTARY CLEANUP PROGRAM IDENTIFICATION NO. NW1702
FARALLON PN: 266-008

Dear Ms. Bardy:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter on behalf of Stoneway Concrete to provide a summary of the cleanup activities completed to date and the planned permanent cleanup action for the Old Stoneway Renton property at 1915 Southeast Maple Valley Highway in Renton, Washington (herein referred to as the Site) (Figure 1). The permanent cleanup action is and will be conducted in accordance with the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) as an independent cleanup action under the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP). The Site is identified by Ecology as Stoneway Concrete Renton (AKA Former Stoneway Concrete Batch Plant) VCP Identification No. NW1702.

A comprehensive remedial investigation (RI) has been completed by others at the Site. During the RI, total petroleum hydrocarbons as gasoline-, as diesel-, and as oil-range organics; arsenic; pH; and formaldehyde were identified as the constituents of concern (COCs) exceeding MTCA cleanup levels and/or screening levels in soil gas, soil, and/or groundwater at the Site that resulted from suspected releases from historical operations at the Site.

An interim action cleanup approved by Ecology was implemented at the Site in 2007 to address COC-affected media, which included multiple phases of soil remediation, including source removal excavations and in-situ bioremediation. In addition, a groundwater compliance monitoring program was implemented to demonstrate monitored natural attenuation (MNA) of COCs at the Site. Following completion of the interim action soil remediation activities in 2010, the only remaining COCs exceeding MTCA cleanup levels or screening levels at the Site were arsenic in groundwater and formaldehyde in soil gas, respectively.

The purpose of the permanent cleanup action is to ensure that the technical requirements for the remedial action are conducted to meet the threshold requirements of MTCA (Chapter 173-340 of the Washington Administrative Code [WAC 173-340]) for protection of human health and the

environment, compliance with cleanup standards, and compliance with applicable state and federal laws. The objective of the permanent cleanup action is to obtain a No Further Action (NFA) determination from Ecology for the Site.

SITE DESCRIPTION AND BACKGROUND

The Site is located between the Cedar River and the Maple Valley Highway, just east of Interstate 405 (Figure 1). The Site includes King County Parcel No. 172305-9026, which consists of 546,121 square feet of land (Figure 2). As of February 2011, the Site was used for temporary storage of construction machinery, construction equipment, and supplies.

Prior investigations and interim actions completed at the Site by others are summarized in the revised *Interim Action Report Volume 1, Former Stoneway Batch Plant, 1915 SE Maple Valley Highway, Renton, Washington* dated October 12, 2011, prepared by Environmental Partners, Inc. (EPI). The main elements of the interim actions completed by EPI from 2007 to 2011 included:

- Implementation of a soil bioremediation treatability study for petroleum- and formaldehyde-contaminated soil;
- Excavation and on-Site treatment via aerobic degradation of petroleum- and formaldehyde-contaminated soil containing concentrations of COCs exceeding MTCA Method A cleanup levels;
- Excavation and off-Site recycling of soil containing elevated pH to the maximum extent practicable; and
- Compliance groundwater monitoring to demonstrate MNA of residual COCs.

In response to the interim actions completed from 2007 through 2011, Ecology issued two opinion letters dated May 9 and December 29, 2011 requiring further action to demonstrate that the proposed final remedy of MNA for residual COCs exceeding MTCA cleanup levels in groundwater would be attained at the point of compliance sufficient to support a request for an NFA determination for the Site. EPI also met with Ecology on multiple occasions following receipt of the opinion letter dated December 29, 2011 to discuss Ecology's remaining concerns regarding the interim action completed at the Site and to develop a scope of work to address Ecology's concerns. Specifically, Ecology was concerned that potential seasonal groundwater migration toward the Cedar River could result in a potential groundwater to surface water exposure pathway for arsenic concentrations exceeding the MTCA Method A cleanup level in groundwater from a localized area on the southern portion of the Site proximate to monitoring wells EPI-MW-7 and EPI-MW-9.

In response to Ecology's concerns, EPI installed groundwater monitoring well MW-10 on the southern, up-gradient portion of the Site as close as possible to the Cedar River to evaluate the potential groundwater to surface water exposure pathway. Multiple groundwater monitoring events conducted from 2009 through 2016 by EPI confirmed that the groundwater flow direction is to the northwest away from the Cedar River (Attachment A). Arsenic and formaldehyde were

reported either non-detect at the laboratory practical quantitation limit (PQL) or at concentrations less than MTCA cleanup levels in groundwater samples collected from Site monitoring wells during a monitoring event in January 2016 (Attachment B).

Soil gas samples were collected by EPI from five locations on the Site during January 2016 to evaluate formaldehyde concentrations following completion of source removal excavations and bioremediation of formaldehyde-contaminated soil on the central portion of the Site. Formaldehyde was detected at concentrations ranging from 6.48 to 7.37 micrograms per cubic meter ($\mu g/m^3$) in soil gas samples collected from three sample locations (ST-VP3 through ST-VP5), which slightly exceeds the screening level of 6.4 $\mu g/m^3$ (Attachment B). Formaldehyde was detected at concentrations less than the screening level in soil gas samples collected from sample locations ST-VP1 and ST-VP2 (Attachment B).

2016 COMPLIANCE GROUNDWATER SAMPLING

Farallon conducted a compliance groundwater monitoring event at the Site on September 15, 2016 to assess current groundwater conditions. The compliance groundwater monitoring event included measuring the depth to groundwater and collecting groundwater samples from existing monitoring wells MW-1, EPI-MW-1, EPI-MW-7, EPI-MW-9, and EPI-MW-10 for laboratory analysis (Figure 3). Groundwater levels were measured prior to groundwater sampling. Each monitoring well was opened to facilitate equilibration with atmospheric pressure for a minimum of 30 minutes before the depth to groundwater was measured.

Groundwater samples were collected from monitoring wells MW-1, EPI-MW-1, EPI-MW-7, EPI-MW-9, and EPI-MW-10 in accordance with U.S. Environmental Protection Agency (EPA) *Ground Water Sampling Procedure Low Stress (Low Flow) Purging and Sampling* dated March 16, 1998 for low-flow purging and sampling of groundwater. The monitoring wells were purged using a peristaltic pump at flow rates between 150 and 200 milliliters per minute. Groundwater geochemical parameters, including temperature, specific conductance, pH, dissolved oxygen, oxidation-reduction potential, and turbidity, were recorded approximately every 3 minutes during purging using a Yellow Springs Instruments multiparameter meter equipped with a flow-through cell. Upon stabilization of the geochemical parameters, groundwater samples were collected directly from the pump outlet into sample containers. Groundwater samples were placed on ice in a cooler and transported to OnSite Environmental Inc. of Redmond, Washington under standard chain-of-custody protocols for laboratory analysis for dissolved arsenic by EPA Method 200.8, formaldehyde by EPA Method 8315A, and pH by SM 4500-HB.

Groundwater elevations were calculated and contoured using the groundwater levels measured on September 15, 2016 (Figure 3; Table 1). The groundwater contours indicate a groundwater flow direction to the northwest with an average gradient of approximately 0.007 foot per foot, which is consistent with previous groundwater monitoring events at the Site.

Table 2 summarizes current and previous analytical results for pH, dissolved arsenic, and formaldehyde for groundwater samples collected from monitoring wells MW-1, EPI-MW-1, EPI-

MW-5 through EPI-MW-9, MW-10, and MW-41. Figure 4 shows current and previous analytical results for pH, dissolved arsenic, and formaldehyde concentrations for groundwater samples. The laboratory analytical report is provided in Attachment C.

Arsenic was detected at a concentration of 5.2 micrograms per liter (µg/l) in the groundwater sample collected from monitoring well EPI-MW-7, which slightly exceeds the MTCA Method A cleanup of 5 µg/l. The detected concentration of arsenic in groundwater from monitoring well EPI-MW-7 during the September 2016 sampling event is consistent with previous groundwater analytical data collected form monitoring well EPI-MW-7 (Figure 4; Table 2). Arsenic was not detected at concentrations exceeding the MTCA Method A cleanup level in the remaining groundwater samples collected from monitoring wells MW-1, EPI-MW-1, EPI-MW-9, or EPI-MW-10 during the September 2016 sampling event (Figure 4; Table 2).

Formaldehyde was reported non-detect at the laboratory PQL in groundwater samples collected from monitoring wells MW-1, EPI-MW-1, EPI-MW-7, EPI-MW-9, and EPI-MW-10 during the September 2016 sampling event, which is consistent with previous groundwater analytical data collected from monitoring wells MW-1, EPI-MW-1, EPI-MW-7, EPI-MW-9, and EPI-MW-10 (Figure 4; Table 2).

An elevated pH value of 11.5 was measured in the groundwater sample collected from monitoring well MW-10 during the September 2016 sampling event, which is consistent with previous measured values of pH at monitoring well MW-10 (Figure 4; Table 2). pH values ranging from 7.3 to 7.8 were measured in the remaining groundwater samples collected from down-gradient monitoring wells MW-1 EPI-MW-1, EPI-MW-7, and EPI-MW-9 during the September 2016 sampling event, which is consistent with previously measured values of pH (Figure 4; Table 2).

CONCLUSIONS

Multiple years of compliance groundwater monitoring since 2009 confirm the groundwater flow direction to the northwest at the Site, which is away from the Cedar River. The compliance groundwater sampling results since completion of the combined in-situ bioremediation and source removal excavations of contaminated soil in 2010 demonstrate a steady decrease in arsenic concentrations to less than the MTCA Method A cleanup level throughout the Site except for monitoring well EPI-MW-7. Concentrations of arsenic detected in groundwater samples collected from monitoring well EPI-MW-7, which is located approximately 107 feet north and down-gradient of the Cedar River, have demonstrated a steady decrease from 9.7 µg/l in October 2012 to 5.2 µg/l in September 2016 (Figure 2; Table 2). These data confirm that arsenic concentrations slightly exceeding the MTCA Method A cleanup level in monitoring well MW-7 are not migrating south, up-gradient to the Cedar River. Further, arsenic has been reported either non-detect at the laboratory PQL or at concentrations less than MTCA Method A cleanup levels in groundwater samples collected from down-gradient compliance monitoring wells MW-1 and EPI-MW-1 on the northern portion of the Site during all compliance monitoring events since 2009 (Figure 4).

PLANNED CLEANUP ACTIVITIES – 2017

A permanent cleanup remedy will be implemented in conjunction with the planned redevelopment of the Site by Stoneway Concrete in 2017. The permanent cleanup remedy will include engineering, and if necessary, institutional controls, to eliminate potential vapor intrusion to indoor air in the new buildings.

Farallon understands that the planned redevelopment will include a series of slab-on-grade multi-story residential buildings. Attachment D provides a general layout of the major Site redevelopment features. The main elements of the final cleanup action at the Site include:

- Minimal grading and shallow excavation in preparation for new building footings and subsurface utilities.
- Temporary construction stormwater management and erosion controls, as needed, during the construction project.
- Engineering review and evaluation to design a vapor barrier system to prevent potential vapor intrusion of formaldehyde into indoor air for the new buildings planned on the Site. The final recommended vapor barrier system will be dependent on the final development plans for the Site.
- Installation of vapor barrier systems in the new buildings.

PRELIMINARY SCHEDULE AND REGULATORY CLOSURE STRATEGY

In recent public communications, Ecology has indicated that it is currently unable to provide opinion letters to VCP applicants within the customary 90-day review period due to Ecology budget cuts, staff attrition, and the current backlog of sites. Stoneway Concrete had planned to submit a final cleanup action plan for Ecology approval via an opinion letter prior to starting final cleanup at the Site in conjunction with the planned construction project. However, due to the current extended review periods associated with the VCP and the need to expeditiously proceed with the planned remedial action, Stoneway Concrete intends to sequence the work and related regulatory action as follows:

- Notify Ecology that the work will be conducted as an independent remedial action under the Site's current VCP status, which complies with the requirements for cleanup action as defined in WAC 173-340-350 through 173-340-390, and the requirements for substantial equivalence under WAC 173-340-515 and 173-340-545;
- Proceed with the final cleanup action in conjunction with the redevelopment of the Site;
- Prepare a Cleanup Action Report in accordance with Ecology requirements, including adherence to Ecology's new content checklists for remedial action plans and reports that must be followed for admittance into the VCP; and
- Submit the Cleanup Action Report to the VCP requesting a review of the report, and issuance of an opinion letter confirming that the permanent final cleanup action was

performed in accordance with MTCA; and with a request that an NFA determination be issued for the Site with the understanding that if one or more COCs in affected media exceeds applicable cleanup levels and/or screening levels, an environmental covenant would be required for such a determination.

Unless directed otherwise by Ecology, Stoneway Concrete will proceed with cleanup and VCP submittal upon completion of the final cleanup action as planned.

LIMITATIONS

GENERAL LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- **Accuracy of Information.** Farallon obtained, reviewed, and evaluated certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy or authenticity. Should the information upon which Farallon relied prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- **Reconnaissance and/or Characterization.** Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

For the foregoing reasons, Farallon cannot and does not warrant or guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions can be considered valid only as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Stoneway Concrete, and currently accepted industry standards. No other warranties, representations, or certifications are made.

LIMITATION ON RELIANCE BY THIRD PARTIES

Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Stoneway Concrete to address the unique needs of Stoneway Concrete at the Site at a specific point in time.

This is not a general grant of reliance. No one other than Stoneway Concrete may rely on this report unless Farallon agrees in advance to such reliance in writing. Any unauthorized use, interpretation, or reliance on this report/assessment is at the sole risk of that party and Farallon will have no liability for such unauthorized use, interpretation, or reliance.

CLOSING

Please contact the undersigned at (425) 295-0800 if you have questions or comments regarding the summary of the cleanup activities completed to date and/or the planned permanent cleanup action for the Site.

Sincerely,

Javan Ruark, L.G.
Associate Geologist

J. Riley Conkin, L.G., L.H.G.
Principal Geologist

Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan*
Figure 3, *Groundwater Elevation Contours and Flow Direction for September 15, 2016*
Figure 4, *Groundwater Analytical Results*
Table 1, *Summary of Groundwater Elevation Data*
Table 2, *Summary of Groundwater Analytical Results*
Attachment A, EPI Groundwater Contour Maps
Attachment B, EPI Groundwater Analytical Results
Attachment C, Laboratory Analytical Report
Attachment D, General Layout of Major Site Redevelopment Features

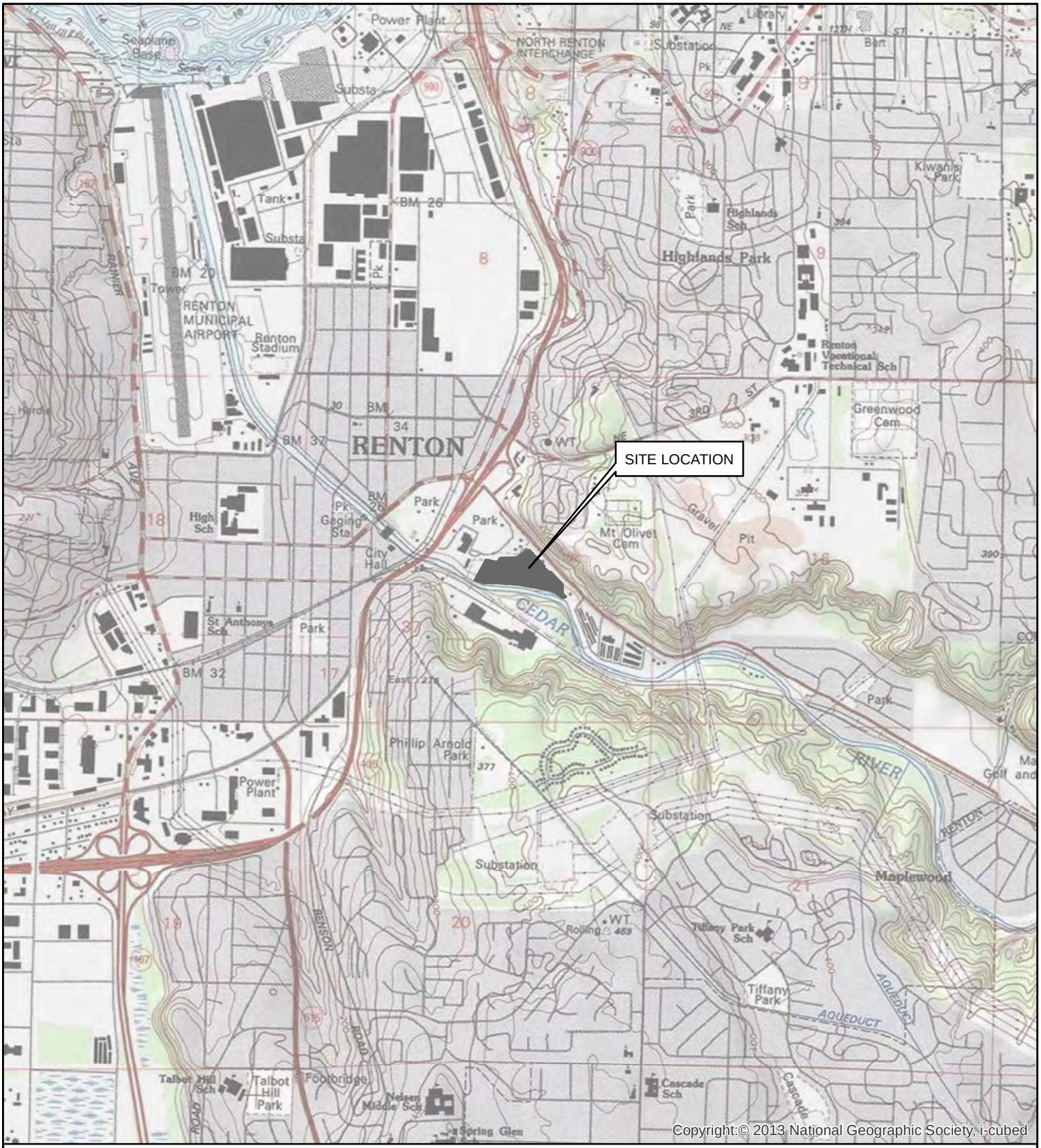
cc: Mr. Jimmy Blais, Stoneway Concrete (by e-mail)

JR/JRC:mm

FIGURES

CLEANUP STATUS AND PERMANENT CLEANUP ACTION
Old Stoneway Renton Property
1915 Southeast Maple Valley Highway
Renton, Washington

Farallon PN: 266-008



REFERENCE: 7.5 MINUTE USGS QUADRANGLE RENTON, WASHINGTON, DATED 2011

N

0 2,000

SCALE IN FEET

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FIGURE 1

SITE VICINITY MAP
OLD STONEWAY CONCRETE SITE
1915 SOUTHEAST MAPLE VALLEY HIGHWAY
RENTON, WASHINGTON

FARALLON PN: 266-008

Drawn By: pemahiser Checked By: JR Date: 4/13/2017 Disc Reference:

Document Path: Q:\Projects\266 Gary Merlino\008 Old Stoneway\FIGURE 1_SITE VICINITY MAP.mxd

LEGEND

- MONITORING WELL (INSTALLED BY EPI AND OTHERS)
- ABANDONED MONITORING WELL
- APPROXIMATE SITE BOUNDARY
- HISTORIC SITE FEATURES

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FIGURE 2

SITE PLAN
OLD STONEWAY CONCRETE SITE
1915 SOUTHEAST MAPLE VALLEY HIGHWAY
RENTON, WASHINGTON

FARALLON PN: 266-008

Drawn By: pemahiser Checked By: JR Date: 4/13/2017 Disc Reference:

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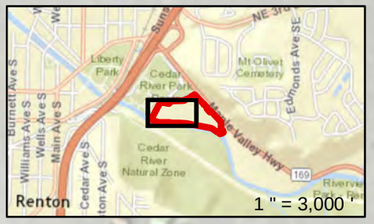
MAP LOCATOR



28.00

28.50

29.00

29.50

30.00

30.50

EPI-MW-1
(28.38)

MW-1
(28.02)

GROUNDWATER
FLOW DIRECTION

EPI-MW-9
(29.93)

EPI-MW-8

EPI-MW-6

EPI-MW-5

EPI-MW-7
(30.82)

MW-41

MW-10
(NC)

CEDAR RIVER

LEGEND

- APPROXIMATE SITE BOUNDARY
- MONITORING WELL (INSTALLED BY EPI AND OTHERS)
- ABANDONED MONITORING WELL
- 29.50 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- (28.38) — GROUNDWATER ELEVATION (9/15/16) MEASURED IN FEET ABOVE MEAN SEA LEVEL RELATIVE TO NORTH AMERICAN VERTICAL DATUM 1988 (MONITORING WELL SURVEY DATA PROVIDED BY ENVIRONMENTAL PARTNERS INC.)
- (NC) — GROUNDWATER ELEVATION NOT CALCULATED. MONITORING WELL SURVEY DATA WAS NOT AVAILABLE

N

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FIGURE 3

GROUNDWATER ELEVATION CONTOURS AND FLOW DIRECTION FOR SEPTEMBER 15, 2016
OLD STONEWAY CONCRETE SITE
1915 SOUTHEAST MAPLE VALLEY HIGHWAY
RENTON, WASHINGTON

FARALLON PN: 266-008

Drawn By: pemahiser | Checked By: JR | Date: 4/13/2017 | Disc Reference:

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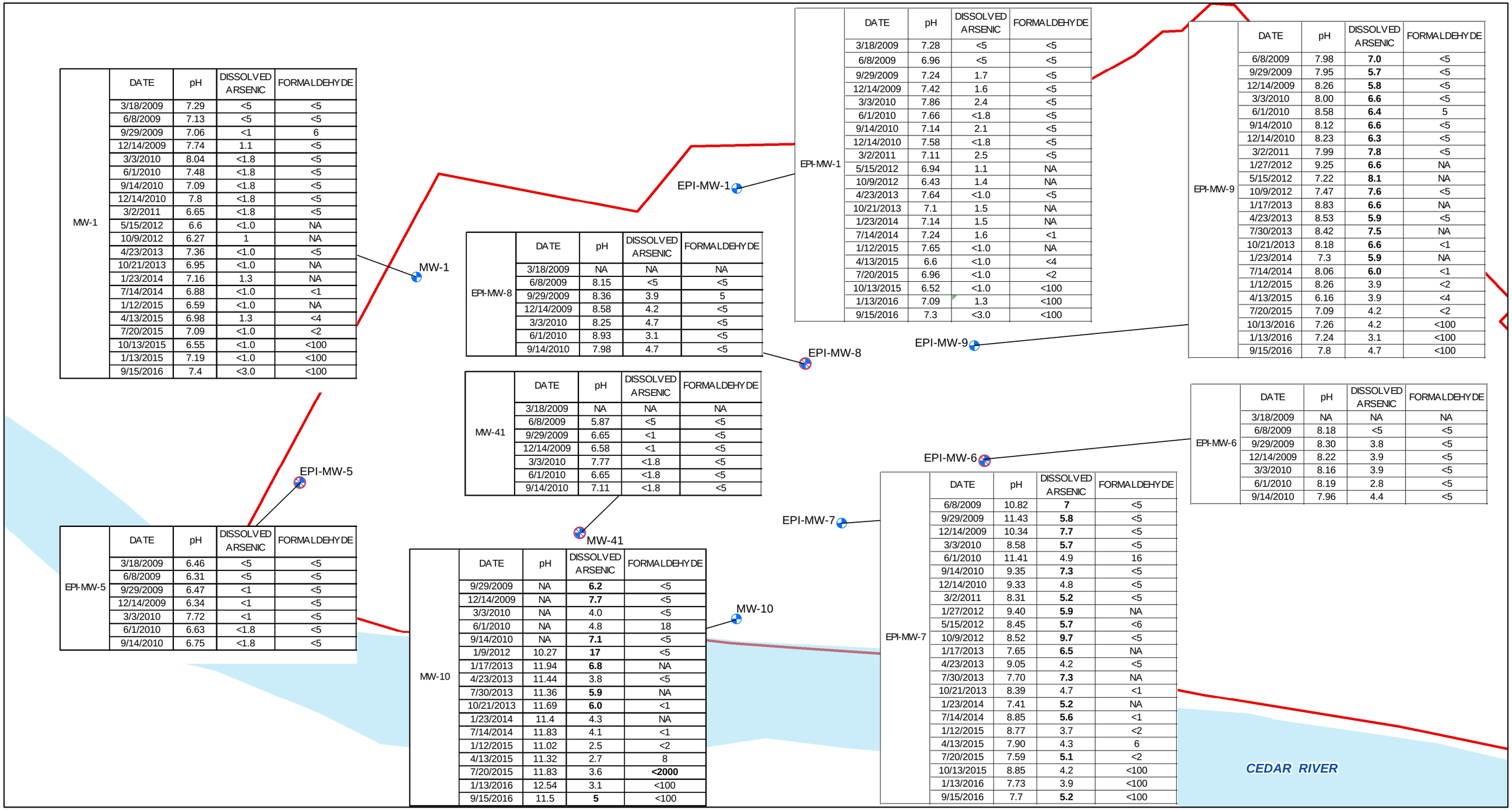

MW-1	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	3/18/2009	7.29	<5	<5
	6/8/2009	7.13	<5	<5
	9/29/2009	7.06	<1	6
	12/14/2009	7.74	1.1	<5
	3/3/2010	8.04	<1.8	<5
	6/1/2010	7.48	<1.8	<5
	9/14/2010	7.09	<1.8	<5
	12/14/2010	7.8	<1.8	<5
	3/2/2011	6.65	<1.8	<5
	5/15/2012	6.6	<1.0	NA
	10/9/2012	6.27	1	NA
	4/23/2013	7.36	<1.0	<5
	10/21/2013	6.95	<1.0	NA
	1/23/2014	7.16	1.3	NA
	7/14/2014	6.88	<1.0	<1
	1/12/2015	6.59	<1.0	NA
	4/13/2015	6.98	1.3	<4
	7/20/2015	7.09	<1.0	<2
	10/13/2015	6.55	<1.0	<100
	1/13/2015	7.19	<1.0	<100
	9/15/2016	7.4	<3.0	<100

EPI-MW-1	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	3/18/2009	7.28	<5	<5
	6/8/2009	6.96	<5	<5
	9/29/2009	7.24	1.7	<5
	12/14/2009	7.42	1.6	<5
	3/3/2010	7.86	2.4	<5
	6/1/2010	7.66	<1.8	<5
	9/14/2010	7.14	2.1	<5
	12/14/2010	7.58	<1.8	<5
	3/2/2011	7.11	2.5	<5
	5/15/2012	6.94	1.1	NA
	10/9/2012	6.43	1.4	NA
	4/23/2013	7.64	<1.0	<5
	10/21/2013	7.1	1.5	NA
	1/23/2014	7.14	1.5	NA
	7/14/2014	7.24	1.6	<1
	1/12/2015	7.65	<1.0	NA
	4/13/2015	6.6	<1.0	<4
	7/20/2015	6.96	<1.0	<2
	10/13/2015	6.52	<1.0	<100
	1/13/2016	7.09	1.3	<100
	9/15/2016	7.3	<3.0	<100

EPI-MW-9	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	6/8/2009	7.98	**7.0**	<5
	9/29/2009	7.95	**5.7**	<5
	12/14/2009	8.26	**5.8**	<5
	3/3/2010	8.00	**6.6**	<5
	6/1/2010	8.58	**6.4**	5
	9/14/2010	8.12	**6.6**	<5
	12/14/2010	8.23	**6.3**	<5
	3/2/2011	7.99	**7.8**	<5
	1/27/2012	9.25	**6.6**	NA
	5/15/2012	7.22	**8.1**	NA
	10/9/2012	7.47	**7.6**	<5
	1/17/2013	8.83	**6.6**	NA
	4/23/2013	8.53	**5.9**	<5
	7/30/2013	8.42	**7.5**	NA
	10/21/2013	8.18	**6.6**	<1
	1/23/2014	7.3	**5.9**	NA
	7/14/2014	8.06	**6.0**	<1
	1/12/2015	8.26	3.9	<2
	4/13/2015	6.16	3.9	<4
	7/20/2015	7.09	4.2	<2
	10/13/2016	7.26	4.2	<100
	1/13/2016	7.24	3.1	<100
	9/15/2016	7.8	4.7	<100

EPI-MW-8	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	3/18/2009	NA	NA	NA
	6/8/2009	8.15	<5	<5
	9/29/2009	8.36	3.9	5
	12/14/2009	8.58	4.2	<5
	3/3/2010	8.25	4.7	<5
	6/1/2010	8.93	3.1	<5
	9/14/2010	7.98	4.7	<5

MW-41	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	3/18/2009	NA	NA	NA
	6/8/2009	5.87	<5	<5
	9/29/2009	6.65	<1	<5
	12/14/2009	6.58	<1	<5
	3/3/2010	7.77	<1.8	<5
	6/1/2010	6.65	<1.8	<5
	9/14/2010	7.11	<1.8	<5

EPI-MW-6	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	3/18/2009	NA	NA	NA
	6/8/2009	8.18	<5	<5
	9/29/2009	8.30	3.8	<5
	12/14/2009	8.22	3.9	<5
	3/3/2010	8.16	3.9	<5
	6/1/2010	8.19	2.8	<5
	9/14/2010	7.96	4.4	<5

EPI-MW-7	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	6/8/2009	10.82	**7**	<5
	9/29/2009	11.43	**5.8**	<5
	12/14/2009	10.34	**7.7**	<5
	3/3/2010	8.58	**5.7**	<5
	6/1/2010	11.41	4.9	16
	9/14/2010	9.35	**7.3**	<5
	12/14/2010	9.33	4.8	<5
	3/2/2011	8.31	**5.2**	<5
	1/27/2012	9.40	**5.9**	NA
	5/15/2012	8.45	**5.7**	<6
	10/9/2012	8.52	**9.7**	<5
	1/17/2013	7.65	**6.5**	NA
	4/23/2013	9.05	4.2	<5
	7/30/2013	7.70	**7.3**	NA
	10/21/2013	8.39	4.7	<1
	1/23/2014	7.41	**5.2**	NA
	7/14/2014	8.85	**5.6**	<1
	1/12/2015	8.77	3.7	<2
	4/13/2015	7.90	4.3	6
	7/20/2015	7.59	**5.1**	<2
	10/13/2015	8.85	4.2	<100
	1/13/2016	7.73	3.9	<100
	9/15/2016	7.7	**5.2**	<100

EPI-MW-5	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	3/18/2009	6.46	<5	<5
	6/8/2009	6.31	<5	<5
	9/29/2009	6.47	<1	<5
	12/14/2009	6.34	<1	<5
	3/3/2010	7.72	<1	<5
	6/1/2010	6.63	<1.8	<5
	9/14/2010	6.75	<1.8	<5

MW-10	DATE	pH	DISSOLVED ARSENIC	FORMALDEHYDE
	9/29/2009	NA	**6.2**	<5
	12/14/2009	NA	**7.7**	<5
	3/3/2010	NA	4.0	<5
	6/1/2010	NA	4.8	18
	9/14/2010	NA	**7.1**	<5
	1/9/2012	10.27	**17**	<5
	1/17/2013	11.94	**6.8**	NA
	4/23/2013	11.44	3.8	<5
	7/30/2013	11.36	**5.9**	NA
	10/21/2013	11.69	**6.0**	<1
	1/23/2014	11.4	4.3	NA
	7/14/2014	11.83	4.1	<1
	1/12/2015	11.02	2.5	<2
	4/13/2015	11.32	2.7	8
	7/20/2015	11.83	3.6	**<2000**
	1/13/2016	12.54	3.1	<100
	9/15/2016	11.5	**5**	<100

LEGEND

- APPROXIMATE SITE BOUNDARY
- MONITORING WELL (INSTALLED BY EPI AND OTHERS)
- ABANDONED MONITORING WELL

NOTES:
DISSOLVED ARSENIC AND FORMALDEHYDE UNITS ARE IN MICROGRAMS PER LITER (µg/L)
pH AT 25 DEGREES CELSIUS

BOLD = DENOTES CONCENTRATIONS THAT EXCEED MODEL TOXICS CONTROL ACT (MTCA) CLEANUP LEVEL.
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTED LIMIT LISTED.
NA = NOT APPLICABLE

N

0 80
SCALE IN FEET

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California
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FIGURE 4

GROUNDWATER ANALYTICAL RESULTS
OLD STONEWAY CONCRETE SITE
1915 SOUTHEAST MAPLE VALLEY HIGHWAY
RENTON, WASHINGTON

FARALLON PN: 266-008

Drawn By: shaynes | Checked By: JR | Date: 4/13/2017 | Disc Reference:
Document Path: Q:\Projects\266 Gary Merlino\008 Old Stoneway\Figure 4_gwAnalyticalData_pee.mxd

TABLES

CLEANUP STATUS AND PERMANENT CLEANUP ACTION
Old Stoneway Renton Property
1915 Southeast Maple Valley Highway
Renton, Washington

Farallon PN: 266-008

Table 1 *DRAFT - Issued for Client Review*

Summary of Groundwater Elevation Data
Old Stoneway Renton Property
Renton, Washington
Farallon PN: 266-008

Well Identification	Monitoring Date	Depth of Monitoring Well (feet)	Monitoring Well Screened Interval (feet bgs)	Wellhead Elevation [1] (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)
MW-1	6/8/2009	NA	NA	47.93	18.63	29.30
	9/29/2016				19.62	28.31
	12/14/2009				19.10	28.83
	3/3/2010				18.58	29.35
	6/1/2010				17.58	30.35
	8/10/2010				20.78	27.15
	9/14/2010				19.57	28.36
	9/15/2016				19.91	28.02
EPI-MW-1	6/8/2009	NA	NA	52.09	22.58	29.51
	9/29/2016				23.48	28.61
	12/14/2009				22.95	29.14
	3/3/2010				22.53	29.56
	6/1/2010				21.59	30.50
	8/10/2010				24.45	27.64
	9/14/2010				23.39	28.70
	9/15/2016				23.71	28.38
EPI-MW-5	6/8/2009	NA	NA	43.65	13.68	29.97
	9/29/2009				15.75	27.90
	12/14/2009				14.20	29.45
	3/3/2010				13.80	29.85
	6/1/2010				12.68	30.97
	8/10/2010				15.56	28.09
	9/14/2010				14.72	28.93
EPI-MW-6	6/8/2009	NA	NA	46.18	14.29	31.89
	9/29/2009				15.23	30.95
	12/14/2009				14.77	31.41
	3/3/2010				14.48	31.70
	6/1/2010				13.25	32.93
	8/10/2010				15.59	30.59
	9/14/2010				15.13	31.05
EPI-MW-7	6/8/2009	17.0	5.0-17.0	44.05	12.11	31.94
	9/29/2016				13.03	31.02
	12/14/2009				12.69	31.36
	3/3/2010				12.25	31.80
	6/1/2010				11.10	32.95
	8/10/2010				13.44	30.61
	9/14/2010				13.06	30.99
	9/15/2016				13.23	30.82
EPI-MW-8	6/8/2009	NA	NA	45.82	15.35	30.47
	9/29/2009				16.70	29.12
	12/14/2009				15.81	30.01
	3/3/2010				15.45	30.37
	6/1/2010				14.40	31.42
	8/10/2010				17.00	28.82
	9/14/2010				16.22	29.60

Table 1 *DRAFT - Issued for Client Review*

Summary of Groundwater Elevation Data
Old Stoneway Renton Property
Renton, Washington
Farallon PN: 266-008

Well Identification	Monitoring Date	Depth of Monitoring Well (feet)	Monitoring Well Screened Interval (feet bgs)	Wellhead Elevation [1] (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)
EPI-MW-9	6/8/2009	19.0	7.0-19.0	48.25	16.84	31.41
	9/29/2016				17.95	30.30
	12/14/2009				17.39	30.86
	3/3/2010				17.08	31.17
	6/1/2010				15.94	32.31
	8/10/2010				18.31	29.94
	9/14/2010				17.76	30.49
	9/15/2016				18.32	29.93
MW-10	7/20/2015	NA	NA	NA	NA	30.72
	1/13/2016				NA	32.53
	9/15/2016				11.51	NC
MW-41	6/8/2009	NA	NA	41.41	10.61	30.80
	9/29/2009				12.40	29.01
	12/14/2009				11.16	30.25
	3/3/2010				10.80	30.61
	6/1/2010				9.64	31.77
	8/10/2010				12.24	29.17
	9/14/2010				11.60	29.81

NOTES

[1]In feet at top of well casing. Monitoring well survey data obtained from *Interim Action Report, Volume 1, Former Stoneway Batch Plant, 1915 SE Maple Valley Highway, Renton, Washington* dated February 7, 2011, prepared by Environmental Partners, Inc.

bgs = below ground surface
NA = not available
NC = not calculated
TOC = top of casing

Table 2
Summary of Groundwater Analytical Results
Old Stoneway Renton Property
Renton, Washington
Farallon PN: 266-008

Sample Location	Sample Date	Sample Identification	Analytical Results		
				(micrograms per liter)	
			pH (pH @ 25 degrees celsius)[1]	Dissolved Arsenic [2]	Formaldehyde[3]
MW-1	3/18/2009	MW-1	7.29	<5	<5
	6/8/2009	MW-1	7.13	<5	<5
	9/29/2009	MW-1	7.06	<1	6
	12/14/2009	MW-1	7.74	1.1	<5
	3/3/2010	MW-1	8.04	<1.8	<5
	6/1/2010	MW-1	7.48	<1.8	<5
	9/14/2010	MW-1	7.09	<1.8	<5
	12/14/2010	Not Available	7.80	<1.8	<5
	3/2/2011		6.65	<1.8	<5
	5/15/2012		6.60	<1.0	NA
	10/9/2012		6.27	1.0	NA
	4/23/2013		7.36	<1.0	<5
	10/21/2013		6.95	<1.0	NA
	1/23/2014		7.16	1.3	NA
	7/14/2014		6.88	<1.0	<1
	1/12/2015		6.59	<1.0	NA
	4/13/2015		6.98	1.3	<4
	7/20/2015		7.09	<1.0	<2
	10/13/2015		6.55	<1.0	<100
	1/13/2015		7.19	<1.0	<100
	9/15/2016	MW-1-091516	7.4	<3.0	<100
EPI-MW-1	3/18/2009	EPI MW-1	7.28	<5	<5
	6/8/2009	EPI-MW-1	6.96	<5	<5
	9/29/2009	EPI-MW-1	7.24	1.7	<5
	12/14/2009	EPI-MW-1	7.42	1.6	<5
	3/3/2010	EPI-MW-1	7.86	2.4	<5
	6/1/2010	EPI-MW-1	7.66	<1.8	<5
	9/14/2010	EPI-MW-1	7.14	2.1	<5
	12/14/2010	Not Available	7.58	<1.8	<5
	3/2/2011		7.11	2.5	<5
	5/15/2012		6.94	1.1	NA
	10/9/2012		6.43	1.4	NA
	4/23/2013		7.64	<1.0	<5
	10/21/2013		7.10	1.5	NA
	1/23/2014		7.14	1.5	NA
	7/14/2014		7.24	1.6	<1
	1/12/2015		7.65	<1.0	NA
	4/13/2015		6.60	<1.0	<4
	7/20/2015		6.96	<1.0	<2
	10/13/2015		6.52	<1.0	<100
	1/13/2016		7.09	1.3	<100
	9/15/2016	EPI-MW-1-091516	7.3	<3.0	<100

Table 2
Summary of Groundwater Analytical Results
Old Stoneway Renton Property
Renton, Washington
Farallon PN: 266-008

Sample Location	Sample Date	Sample Identification	Analytical Results		
				(micrograms per liter)	
			pH (pH @ 25 degrees celsius)[1]	Dissolved Arsenic [2]	Formaldehyde[3]
EPI-MW-5	3/18/2009	EPI MW-5	6.46	<5	<5
	6/8/2009	EPI-MW-5	6.31	<5	<5
	9/29/2009	EPI-MW-5	6.47	<1	<5
	12/14/2009	EPI-MW-5	6.34	<1	<5
	3/3/2010	EPI-MW-5	7.72	<1	<5
	6/1/2010	EPI-MW-5	6.63	<1.8	<5
	9/14/2010	EPI-MW-5	6.75	<1.8	<5
EPI-MW-6	3/18/2009	NS	NS	NS	NS
	6/8/2009	EPI-MW-6	8.18	<5	<5
	9/29/2009	EPI-MW-6	8.30	3.8	<5
	12/14/2009	EPI-MW-6	8.22	3.9	<5
	3/3/2010	EPI-MW-6	8.16	3.9	<5
	6/1/2010	EPI-MW-6	8.19	2.8	<5
	9/14/2010	EPI-MW-6	7.96	4.4	<5
EPI-MW-7	3/18/2009	NS	NS	NS	NS
	6/8/2009	EPI-MW-7	10.82	**7**	<5
	9/29/2009	EPI-MW-7	11.43	**5.8**	<5
	12/14/2009	EPI-MW-7	10.34	**7.7**	<5
	3/3/2010	EPI-MW-7	8.58	**5.7**	<5
	6/1/2010	EPI-MW-7	11.41	4.9	16
	9/14/2010	EPI-MW-7	9.35	**7.3**	<5
	12/14/2010	Not Available	9.33	4.8	<5
	3/2/2011		8.31	**5.2**	<5
	1/27/2012		9.40	**5.9**	NA
	5/15/2012		8.45	**5.7**	<6
	10/9/2012		8.52	**9.7**	<5
	1/17/2013		7.65	**6.5**	NA
	4/23/2013		9.05	4.2	<5
	7/30/2013		7.70	**7.3**	NA
	10/21/2013		8.39	4.7	<1
	1/23/2014		7.41	**5.2**	NA
	7/14/2014		8.85	**5.6**	<1
	1/12/2015		8.77	3.7	<2
	4/13/2015		7.90	4.3	6
	7/20/2015		7.59	**5.1**	<2
	10/13/2015		8.85	4.2	<100
	1/13/2016		7.73	3.9	<100
	9/15/2016	EPI-MW-7-091516	7.7	**5.2**	<100

Table 2
Summary of Groundwater Analytical Results
Old Stoneway Renton Property
Renton, Washington
Farallon PN: 266-008

Sample Location	Sample Date	Sample Identification	Analytical Results		
				(micrograms per liter)	
			pH (pH @ 25 degrees celsius)[1]	Dissolved Arsenic [2]	Formaldehyde[3]
EPI-MW-8	3/18/2009	NS	NS	NS	NS
	6/8/2009	EPI-MW-8	8.15	<5	<5
	9/29/2009	EPI-MW-8	8.36	3.9	5
	12/14/2009	EPI-MW-8	8.58	4.2	<5
	3/3/2010	EPI-MW-8	8.25	4.7	<5
	6/1/2010	EPI-MW-8	8.93	3.1	<5
	9/14/2010	EPI-MW-8	7.98	4.7	<5
EPI-MW-9	3/18/2009	NS	NS	NS	NS
	6/8/2009	EPI-MW-9	7.98	**7**	<5
	9/29/2009	EPI-MW-9	7.95	**5.7**	<5
	12/14/2009	EPI-MW-9	8.26	**5.8**	<5
	3/3/2010	EPI-MW-9	8.00	**6.6**	<5
	6/1/2010	EPI-MW-9	8.58	**6.4**	5
	9/14/2010	EPI-MW-9	8.12	**6.6**	<5
	12/14/2010	Not Available	8.23	**6.3**	<5
	3/2/2011		7.99	**7.8**	<5
	1/27/2012		9.25	**6.6**	NA
	5/15/2012		7.22	**8.1**	NA
	10/9/2012		7.47	**7.6**	<5
	1/17/2013		8.83	**6.6**	NA
	4/23/2013		8.53	**5.9**	<5
	7/30/2013		8.42	**7.5**	NA
	10/21/2013		8.18	**6.6**	<1
	1/23/2014		7.30	**5.9**	NA
	7/14/2014		8.06	**6.0**	<1
	1/12/2015		8.26	3.9	<2
	4/13/2015		6.16	3.9	<4
	7/20/2015		7.09	4.2	<2
	10/13/2016		7.26	4.2	<100
	1/13/2016		7.24	3.1	<100
	9/15/2016	EPI-MW-9-091516	7.8	4.7	<100

Table 2
Summary of Groundwater Analytical Results
Old Stoneway Renton Property
Renton, Washington
Farallon PN: 266-008

Sample Location	Sample Date	Sample Identification	Analytical Results		
				(micrograms per liter)	
			pH (pH @ 25 degrees celsius)[1]	Dissolved Arsenic [2]	Formaldehyde[3]
MW-10	9/29/2009	EPI-MW-10	NA	**6.2**	<5
	12/14/2009	EPI-MW-10	NA	**7.7**	<5
	3/3/2010	EPI-MW-10	NA	4.0	<5
	6/1/2010	EPI-MW-10	NA	4.8	18
	9/14/2010	EPI-MW-10	NA	**7.1**	<5
	1/9/2012	Not Available	10.27	**17**	<5
	1/17/2013		11.94	**6.8**	NA
	4/23/2013		11.44	3.8	<5
	7/30/2013		11.36	**5.9**	NA
	10/21/2013		11.69	**6.0**	<1
	1/23/2014		11.40	4.3	NA
	7/14/2014		11.83	4.1	<1
	1/12/2015		11.02	2.5	<2
	4/13/2015		11.32	2.7	8
	7/20/2015		11.83	3.6	<2000
	1/13/2016		12.54	3.1	<100
	9/15/2016	MW-10-091516	11.5	5.0	<100
MW-41	3/18/2009	NS	NS	NS	NS
	6/8/2009	MW-41	5.87	<5	<5
	9/29/2009	MW-41	6.65	<1	<5
	12/14/2009	MW-41	6.58	<1	<5
	3/3/2010	MW-41	7.77	<1.8	<5
	6/1/2010	MW-41	6.65	<1.8	<5
	9/14/2010	MW-41	7.11	<1.8	<5
MTCA Cleanup Levels for Groundwater			**NA**	**5**[4]	**1,600**[5]

NOTES:

< denotes analyte not detected at or exceeding the laboratory practical quantitation limit listed.

Results in **bold** denote concentrations exceeding applicable cleanup levels.

NA = not analyzed

NS = not sampled

[1]Analyzed by SM 4500-HB.

[2]Analyzed by U.S. Environmental Protection Agency Method 200.8 or 7060.

[3]Analyzed by U.S. Environmental Protection Agency Method 8315A.

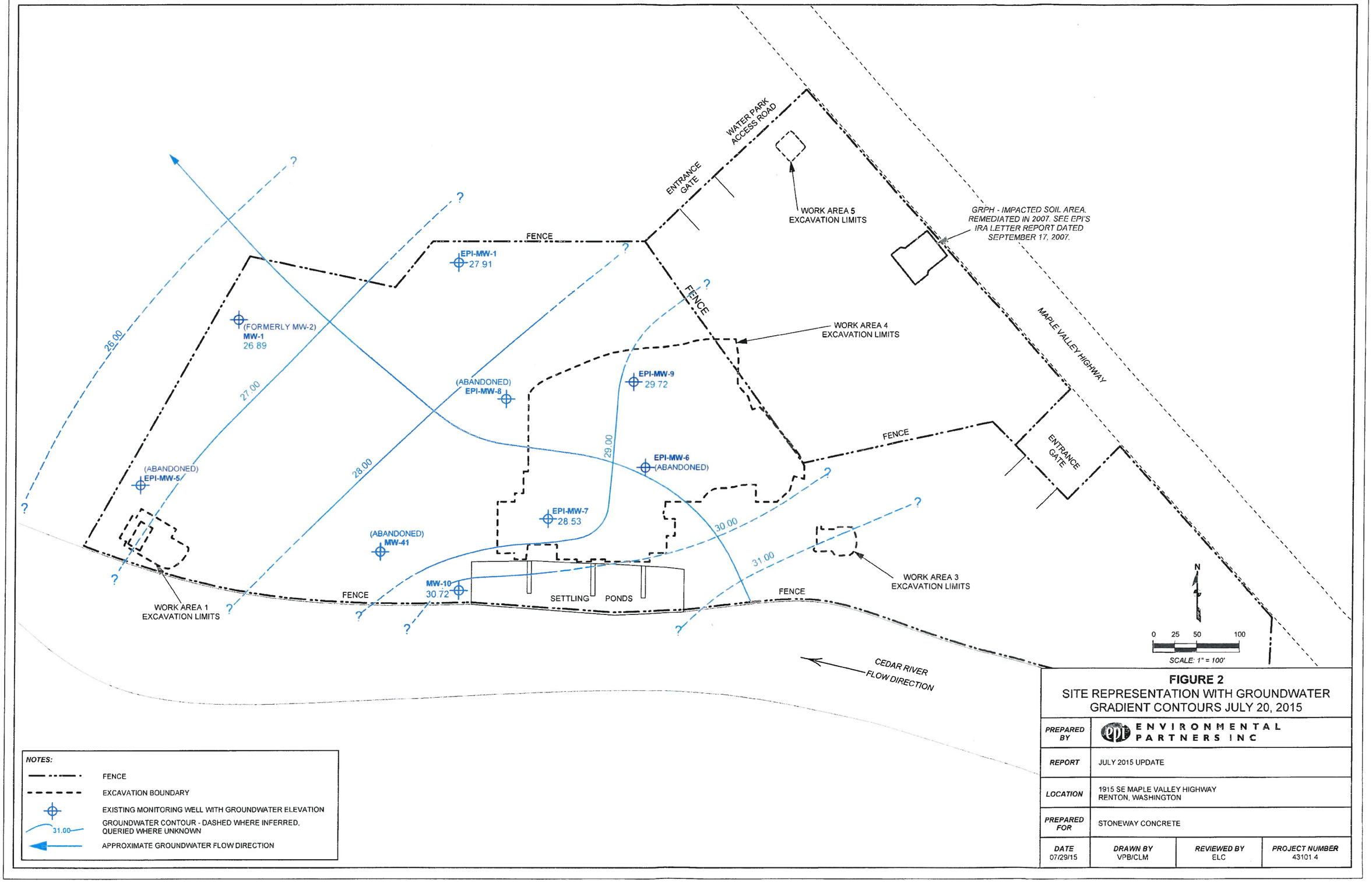
[4]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007, unless otherwise noted.

[5]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx.

ATTACHMENT A
EPI GROUNDWATER CONTOUR MAPS

CLEANUP STATUS AND PERMANENT CLEANUP ACTION
Old Stoneway Renton Property
1915 Southeast Maple Valley Highway
Renton, Washington

Farallon PN: 266-008

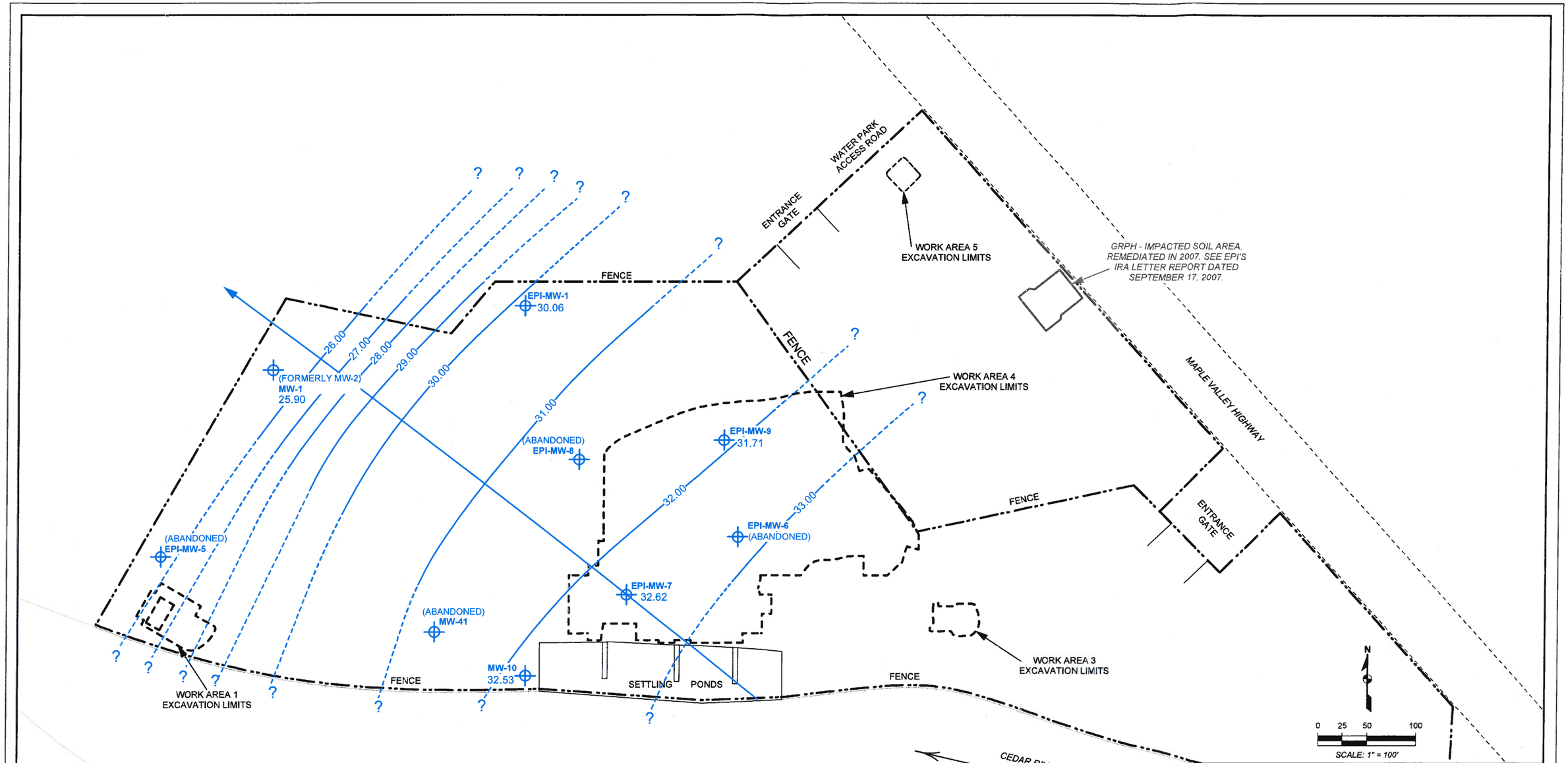


NOTES:

- FENCE
- EXCAVATION BOUNDARY
- EXISTING MONITORING WELL WITH GROUNDWATER ELEVATION
- 31.00 — GROUNDWATER CONTOUR - DASHED WHERE INFERRED. QUERIED WHERE UNKNOWN
- APPROXIMATE GROUNDWATER FLOW DIRECTION

FIGURE 2
SITE REPRESENTATION WITH GROUNDWATER GRADIENT CONTOURS JULY 20, 2015

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	JULY 2015 UPDATE		
LOCATION	1915 SE MAPLE VALLEY HIGHWAY RENTON, WASHINGTON		
PREPARED FOR	STONEWAY CONCRETE		
DATE 07/29/15	DRAWN BY VPB/CLM	REVIEWED BY ELC	PROJECT NUMBER 43101.4



NOTES:

- FENCE
- EXCAVATION BOUNDARY
- EXISTING MONITORING WELL WITH GROUNDWATER ELEVATION
- 31.00 GROUNDWATER CONTOUR - DASHED WHERE INFERRED, QUERIED WHERE UNKNOWN
- APPROXIMATE GROUNDWATER FLOW DIRECTION

FIGURE 2
SITE REPRESENTATION WITH GROUNDWATER GRADIENT CONTOURS JANUARY 13, 2016

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	JANUARY 2016 UPDATE		
LOCATION	1915 SE MAPLE VALLEY HIGHWAY RENTON, WASHINGTON		
PREPARED FOR	STONEWAY CONCRETE		
DATE 2/1/16	DRAWN BY VPB/CLM	REVIEWED BY ELC	PROJECT NUMBER 43101.4

ATTACHMENT B
EPI GROUNDWATER ANALYTICAL RESULTS

CLEANUP STATUS AND PERMANENT CLEANUP ACTION
Old Stoneway Renton Property
1915 Southeast Maple Valley Highway
Renton, Washington

Farallon PN: 266-008

MW-1			
Date	Formaldehyde	Arsenic	pH
3/18/09	<5	<5	7.29
6/8/09	<5	<5	7.13
9/29/09	6	<1	7.06
12/14/09	<5	1.1	7.74
3/3/10	<5	<1.8	8.04
6/1/10	<5	<1.8	7.48
9/14/10	<5	<1.8	7.09
12/14/10	<5	<1.8	7.80
3/2/11	<5	<1.8	6.65
5/15/12	NA	<1.0	6.60
10/9/12	NA	1.0	6.27
4/23/13	<5	<1.0	7.36
10/21/13	NA	<1.0	6.95
1/23/14	NA	1.3	7.16
7/14/14	<1	<1.0	6.88
1/12/15	NA	<1.0	6.59
4/13/15	<4	1.3	6.98
7/20/15	<2	<1.0	7.09
10/13/15	<100	<1.0	6.55
1/13/16	<100	<1.0	7.19

EPI-MW-1			
Date	Formaldehyde	Arsenic	pH
3/18/09	<5	<5	7.28
6/8/09	<5	<5	6.96
9/29/09	<5	1.7	7.24
12/14/09	<5	1.6	7.42
3/3/10	<5	2.4	7.86
6/1/10	<5	<1.8	7.66
9/14/10	<5	2.1	7.14
12/14/10	<5	<1.8	7.58
3/2/11	<5	2.5	7.11
5/15/12	NA	1.1	6.94
10/9/12	NA	1.4	6.43
4/23/13	<5	<1.0	7.64
10/21/13	NA	1.5	7.10
1/23/14	NA	1.5	7.14
7/14/14	<1	1.6	7.24
1/12/15	NA	<1.0	7.65
4/13/15	<4	<1.0	6.60
7/20/15	<2	<1.0	6.96
10/13/15	<100	<1.0	6.52
1/13/16	<100	1.3	7.09

EPI-MW-9			
Date	Formaldehyde	Arsenic	pH
6/8/09	<5	**7**	7.98
9/29/09	<5	**5.7**	7.95
12/14/09	<5	**5.8**	8.26
3/3/10	<5	**6.6**	8.00
6/1/10	5	**6.4**	8.58
9/14/10	<5	**6.6**	8.12
12/14/10	<5	**6.3**	8.23
3/2/11	<5	**7.8**	7.99
1/27/12	NA	**6.6**	9.25
5/15/12	NA	**8.1**	7.22
10/9/12	<5	**7.6**	7.47
1/17/13	NA	**6.6**	8.83
4/23/13	<5	**5.9**	8.53
7/30/13	NA	**7.5**	8.42
10/21/13	<1	**6.6**	8.18
1/23/14	NA	**5.9**	7.30
7/14/14	<1	**6.0**	8.06
1/12/15	<2	3.9	8.26
4/13/15	<4	3.9	6.16
7/20/15	<2	4.2	7.09
10/13/15	<100	4.2	7.26
1/13/16	<100	3.1	7.24

EPI-MW-10			
Date	Formaldehyde	Arsenic	pH
10/9/12	<5	**17**	10.27
1/17/13	NA	**6.8**	11.94
4/23/13	<5	3.8	11.44
7/30/13	NA	**5.9**	11.36
10/21/13	<1	**6.0**	11.69
1/23/14	NA	4.3	11.40
7/14/14	<1	4.1	11.83
1/12/15	<2	2.5	11.02
4/13/15	8	2.7	11.32
7/20/15	<2000	3.6	11.83
1/13/16	<100	3.1	12.54

EPI-MW-7			
Date	Formaldehyde	Arsenic	pH
6/8/09	<5	**7**	10.82
9/29/09	<5	**5.8**	11.43
12/14/09	<5	**7.7**	10.34
3/3/10	<5	**5.7**	8.58
6/1/10	16	4.9	11.41
9/14/10	<5	**7.3**	9.35
12/14/10	<5	4.8	9.33
3/2/11	<5	**5.2**	8.31
1/27/12	NA	**5.9**	9.40
5/15/12	<6	**5.7**	8.45
10/9/12	<5	**9.7**	8.52
1/17/13	NA	**6.5**	7.65
4/23/13	<5	4.2	9.05
7/30/13	NA	**7.3**	7.70
10/21/13	<1	4.7	8.39
1/23/14	NA	**5.2**	7.41
7/14/14	<1	**5.6**	8.85
1/12/15	<2	3.7	8.77
4/13/15	6	4.3	7.90
7/20/15	<2	**5.1**	7.59
10/13/15	<100	4.2	8.85
1/13/16	<100	3.9	7.73

EPI-MW-1
(FORMERLY MW-2)
MW-1
(ABANDONED)
EPI-MW-8
EPI-MW-9
(ABANDONED)
EPI-MW-5
EPI-MW-6
(ABANDONED)
EPI-MW-7
(ABANDONED)
MW-41
MW-10
WATER PARK ACCESS ROAD
ENTRANCE GATE
WORK AREA 5 EXCAVATION LIMITS
GRPH - IMPACTED SOIL AREA. REMEDIATED IN 2007. SEE EPI'S IRA LETTER REPORT DATED SEPTEMBER 17, 2007.
FENCE
WORK AREA 4 EXCAVATION LIMITS
MAPLE VALLEY HIGHWAY
ENTRANCE GATE
WORK AREA 1 EXCAVATION LIMITS
FENCE
CEDAR RIVER FLOW DIRECTION
N
0 25 50 100
SCALE: 1" = 100'

NOTES:

FENCE

EXCAVATION BOUNDARY

MONITORING WELL

NA NOT ANALYZED

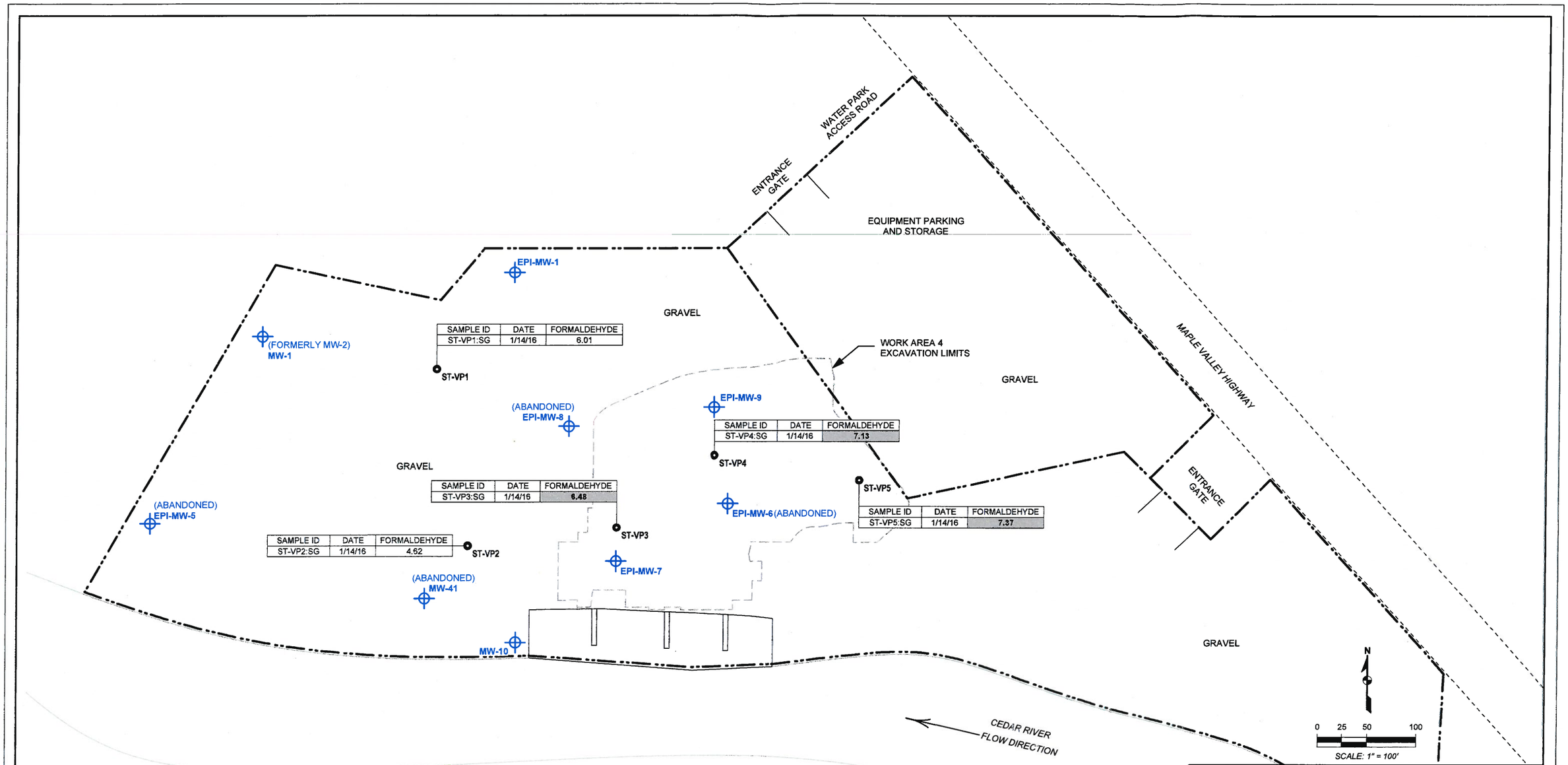
CLEANUP LEVELS:
Formaldehyde - 142 µg/L (Protective of Indoor Air)
Arsenic - 5 µg/L

UNITS OF REPORTED FORMALDEHYDE AND ARSENIC ARE µg/L

FIGURE 1
SITE REPRESENTATION SHOWING SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

PREPARED BY	EPI ENVIRONMENTAL PARTNERS INC
REPORT	JANUARY 2016 UPDATE
LOCATION	1915 SE MAPLE VALLEY HIGHWAY RENTON, WASHINGTON
PREPARED FOR	STONEWAY CONCRETE

DATE	DRAWN BY	REVIEWED BY	PROJECT NUMBER
2/1/16	VPB/CLM	ELC	43101.4



NOTES:

FENCE

EXCAVATION BOUNDARY

MONITORING WELL

SOIL VAPOR SAMPLE LOCATION

SOIL VAPOR SAMPLE IDENTIFIER

DATE ANALYZED

FORMALDEHYDE IN AIR - RESULTS IN MICROGRAMS PER CUBIC METER ($\mu g/m^3$)

SAMPLE ID	DATE	FORMALDEHYDE
ST-VP5:SG	1/14/16	7.37

SCREENING LEVEL: FORMALDEHYDE - **6.4** $\mu g/m^3$

SHADED CELL/BOLD TEXT INDICATES SAMPLE RESULTS DETECTED ABOVE SUBSLAB SCREENING LEVEL

FIGURE 1
SITE REPRESENTATION SHOWING SOIL VAPOR ANALYTICAL RESULTS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	SOIL VAPOR RESULTS		
LOCATION	1915 SE MAPLE VALLEY HIGHWAY RENTON, WASHINGTON		
PREPARED FOR	STONEWAY CONCRETE		
DATE 1/28/16	***DRAWN BY*** VPB/CLM	***REVIEWED BY*** ELC	***PROJECT NUMBER*** 43101.5

ATTACHMENT C
LABORATORY ANALYTICAL REPORT

CLEANUP STATUS AND PERMANENT CLEANUP ACTION
Old Stoneway Renton Property
1915 Southeast Maple Valley Highway
Renton, Washington

Farallon PN: 266-008

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 29, 2016

Javan Ruark
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 266-008
Laboratory Reference No. 1609-192

Dear Javan:

Enclosed are the analytical results and associated quality control data for samples submitted on September 16, 2016.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: September 29, 2016
Samples Submitted: September 16, 2016
Laboratory Reference: 1609-192
Project: 266-008

Case Narrative

Samples were collected on September 15, 2016 and received by the laboratory on September 16, 2016. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 29, 2016
Samples Submitted: September 16, 2016
Laboratory Reference: 1609-192
Project: 266-008

pH
SM 4500-H B

Matrix: Water
Units: pH (@ 25ºC)

Analyte	Result	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**EP1-MW-7-091516**				
Laboratory ID:	09-192-01				
pH	**7.7**	SM 4500-H B	9-16-16	9-16-16	
Client ID:	**MW-10-091516**				
Laboratory ID:	09-192-02				
pH	**11.5**	SM 4500-H B	9-16-16	9-16-16	
Client ID:	**MW-1-091516**				
Laboratory ID:	09-192-03				
pH	**7.4**	SM 4500-H B	9-16-16	9-16-16	
Client ID:	**EP1-MW-9-091516**				
Laboratory ID:	09-192-04				
pH	**7.8**	SM 4500-H B	9-16-16	9-16-16	
Client ID:	**EP1-MW-1-091516**				
Laboratory ID:	09-192-05				
pH	**7.3**	SM 4500-H B	9-16-16	9-16-16	

Date of Report: September 29, 2016
Samples Submitted: September 16, 2016
Laboratory Reference: 1609-192
Project: 266-008

DISSOLVED ARSENIC
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	09-192-01					
Client ID:	**EP1-MW-7-091516**					
Arsenic	**5.2**	3.0	200.8	9-16-16	9-21-16	
Lab ID:	09-192-02					
Client ID:	**MW-10-091516**					
Arsenic	**5.0**	3.0	200.8	9-16-16	9-21-16	
Lab ID:	09-192-03					
Client ID:	**MW-1-091516**					
Arsenic	**ND**	3.0	200.8	9-16-16	9-21-16	
Lab ID:	09-192-04					
Client ID:	**EP1-MW-9-091516**					
Arsenic	**4.7**	3.0	200.8	9-16-16	9-21-16	
Lab ID:	09-192-05					
Client ID:	**EP1-MW-1-091516**					
Arsenic	**ND**	3.0	200.8	9-16-16	9-21-16	

Date of Report: September 29, 2016
Samples Submitted: September 16, 2016
Laboratory Reference: 1609-192
Project: 266-008

DISSOLVED ARSENIC
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Filtered:	9-16-16
Date Analyzed:	9-21-16
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0916F1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.0

Date of Report: September 29, 2016
Samples Submitted: September 16, 2016
Laboratory Reference: 1609-192
Project: 266-008

DISSOLVED ARSENIC
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Filtered: 9-16-16
Date Analyzed: 9-21-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 09-178-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**7.35**	**6.75**	9	3.0	

Date of Report: September 29, 2016
Samples Submitted: September 16, 2016
Laboratory Reference: 1609-192
Project: 266-008

DISSOLVED ARSENIC
EPA 200.8
MS/MSD QUALITY CONTROL

Date Filtered: 9-16-16
Date Analyzed: 9-21-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 09-178-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	200	**211**	102	**226**	109	7	

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
Kelso, WA 98626
T : +1 360 577 7222
F : +1 360 636 1068
www.alsglobal.com

September 29, 2016

Analytical Report for Service Request No: K1611027

Blair Goodrow
Onsite Environmental Incorporated
14648 NE 95th Street
Redmond, WA 98052

RE: Stoneway Concrete / 266-008

Dear Blair,

Enclosed are the results of the sample(s) submitted to our laboratory September 17, 2016
For your reference, these analyses have been assigned our service request number **K1611027.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3364. You may also contact me via email at howard.holmes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Howard Holmes
Project Manager

ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
Kelso, WA 98626
T : +1 360 577 7222
F : +1 360 636 1068
www.alsglobal.com

Table of Contents

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L14-51
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	Not available	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	03016
Maine DHS	Not available	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Chain of Custody

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

K1611027

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 · (425) 883-3881

Laboratory Reference #: 09-192

Laboratory: ALS Environmental

Turnaround Request

Project Manager: David Baumeister

Attention: Howard Holmes

1 Day 2 Day 3 Day

email: dbaumeister@onsite-env.com

1317 South 13th Avenue, Kelso, WA 98626

Standard

Project Number: 266-008

Phone Number: (360) 577-7222

Other:

Project Name: Stoneway Concrete

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
1	EP1-MW-7-091516	9/15/16	10:38	Water	2	Formaldehyde EPA 8315A
2	MW-10-091516	9/15/16	11:58	Water	2	Formaldehyde EPA 8315A
3	MW-1-091516	9/15/16	13:18	Water	2	Formaldehyde EPA 8315A
4	EP1-MW-9-091516	9/15/16	14:26	Water	2	Formaldehyde EPA 8315A
5	EP1-MW-1-091516	9/15/16	15:26	Water	2	Formaldehyde EPA 8315A

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:		9/16/16	1520	
Received by:	ALS	9/17/16	0820	
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

PC H2

Cooler Receipt and Preservation Form

Client On Site Service Request K16 11027

Received: 9/17/16 Opened: 9/17/16 By: Unloaded: 9/17/16 By:

1. Samples were received via? *USPS* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
-0.3	-0.3	—	—	0	360		1Z684EW41 9340 0450	

4. Packing material: *Inserts* (*Baggies*) (*Bubble Wrap*) (*Gel Packs*) *Wet Ice* *Dry Ice* *Sleeves* _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
6. Were samples received in good condition (temperature, unbroken)? *Indicate in the table below.* NA (Y) N
   If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA (Y) N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
12. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: SHORT HOLD TIME

Carbonyls by High Performance Liquid Chromatography

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Analytical Results

Client:	Onsite Environmental Incorporated	**Service Request:**	K1611027
Project:	Stoneway Concrete/266-008	**Date Collected:**	09/15/2016
Sample Matrix:	Water	**Date Received:**	09/17/2016

Carbonyls by High Performance Liquid Chromatography

Sample Name:	EP1-MW-7-091516	**Units:**	ug/L
Lab Code:	K1611027-001	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8315A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Formaldehyde	ND	U	100	1	09/17/16	09/19/16	KWG1608327	

Comments:

Analytical Results

Client:	Onsite Environmental Incorporated	**Service Request:**	K1611027
Project:	Stoneway Concrete/266-008	**Date Collected:**	09/15/2016
Sample Matrix:	Water	**Date Received:**	09/17/2016

Carbonyls by High Performance Liquid Chromatography

Sample Name:	MW-10-091516	**Units:**	ug/L
Lab Code:	K1611027-002	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8315A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Formaldehyde	ND	U	100	1	09/17/16	09/19/16	KWG1608327	

Comments:

Analytical Results

Client:	Onsite Environmental Incorporated	**Service Request:**	K1611027
Project:	Stoneway Concrete/266-008	**Date Collected:**	09/15/2016
Sample Matrix:	Water	**Date Received:**	09/17/2016

Carbonyls by High Performance Liquid Chromatography

Sample Name:	MW-1-091516	**Units:**	ug/L
Lab Code:	K1611027-003	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8315A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Formaldehyde	ND	U	100	1	09/17/16	09/19/16	KWG1608327	

Comments:

Analytical Results

Client:	Onsite Environmental Incorporated	**Service Request:**	K1611027
Project:	Stoneway Concrete/266-008	**Date Collected:**	09/15/2016
Sample Matrix:	Water	**Date Received:**	09/17/2016

Carbonyls by High Performance Liquid Chromatography

Sample Name:	EP1-MW-9-091516	**Units:**	ug/L
Lab Code:	K1611027-004	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8315A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Formaldehyde	ND	U	100	1	09/17/16	09/19/16	KWG1608327	

Comments:

Analytical Results

Client:	Onsite Environmental Incorporated	**Service Request:**	K1611027
Project:	Stoneway Concrete/266-008	**Date Collected:**	09/15/2016
Sample Matrix:	Water	**Date Received:**	09/17/2016

Carbonyls by High Performance Liquid Chromatography

Sample Name:	EP1-MW-1-091516	**Units:**	ug/L
Lab Code:	K1611027-005	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8315A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Formaldehyde	ND	U	100	1	09/17/16	09/19/16	KWG1608327	

Comments:

Analytical Results

Client:	Onsite Environmental Incorporated	**Service Request:**	K1611027
Project:	Stoneway Concrete/266-008	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Carbonyls by High Performance Liquid Chromatography

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1608327-4	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8315A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Formaldehyde	ND	U	100	1	09/17/16	09/19/16	KWG1608327	

Comments:

QA/QC Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K1611027
Project:	Stoneway Concrete/266-008	**Date Extracted:**	09/17/2016
Sample Matrix:	Water	**Date Analyzed:**	09/19/2016

Matrix Spike/Duplicate Matrix Spike Summary
Carbonyls by High Performance Liquid Chromatography

Sample Name:	EP1-MW-1-091516	**Units:**	ug/L
Lab Code:	K1611027-005	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8315A	**Extraction Lot:**	KWG1608327

		EP1-MW-1-091516MS KWG1608327-1 Matrix Spike			EP1-MW-1-091516DMS KWG1608327-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Formaldehyde	ND	305	500	61	315	500	63	47-117	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

QA/QC Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K1611027
Project:	Stoneway Concrete/266-008	**Date Extracted:**	09/17/2016
Sample Matrix:	Water	**Date Analyzed:**	09/19/2016

Lab Control Spike Summary
Carbonyls by High Performance Liquid Chromatography

Extraction Method:	METHOD	**Units:**	ug/L
Analysis Method:	8315A	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1608327

	Lab Control Sample KWG1608327-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Formaldehyde	364	500	73	58-118

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Farallon
Project Number: 266-008
Project Name: Stoneway Concrete
Project Manager: Jeven Ruark
Sampled by: A. Burns

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 09-192

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	pH by 4500-H	Dissolved Arsenic	Formaldehyde - 8315A			% Moisture
1	EPI-MW-7-091516	9-15-16	10:38	Water	3																	X	X	X			
2	MW-10-091516		11:58																								
3	MW-1-091516		13:18																								
4	EPI-MW-9-091516		14:26																								
5	EPI-MW-1-091516		15:26																								

AB

	Signature	Company	Date	Time
Relinquished	A. Burns	Farallon	9-15-16	17:00
Received				
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions
Please filter dissolved metal sample.

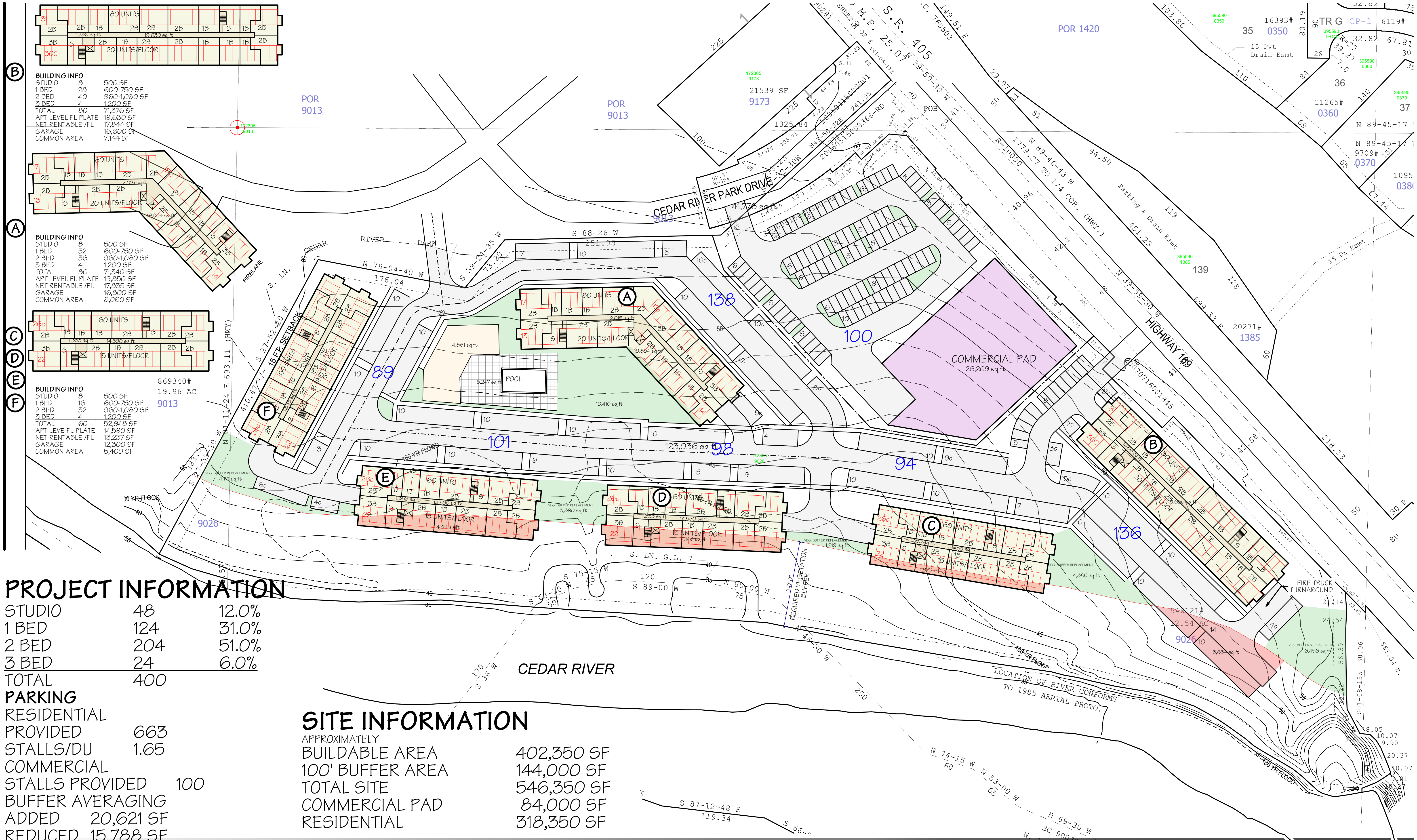
Reviewed/Date
Reviewed/Date
Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
Electronic Data Deliverables (EDDs) ☐ _____

ATTACHMENT D
GENERAL LAYOUT OF MAJOR SITE REDEVELOPMENT FEATURES

CLEANUP STATUS AND PERMANENT CLEANUP ACTION
Old Stoneway Renton Property
1915 Southeast Maple Valley Highway
Renton, Washington

Farallon PN: 266-008



B BUILDING INFO

STUDIO	8	500 SF
1 BED	28	600-750 SF
2 BED	40	960-1,080 SF
3 BED	4	1,200 SF
TOTAL	80	71,376 SF
APT LEVEL FL PLATE		19,630 SF
NET RENTABLE /FL		17,844 SF
GARAGE		16,600 SF
COMMON AREA		7,144 SF

A BUILDING INFO

STUDIO	8	500 SF
1 BED	32	600-750 SF
2 BED	36	960-1,080 SF
3 BED	4	1,200 SF
TOTAL	80	71,340 SF
APT LEVEL FL PLATE		19,850 SF
NET RENTABLE /FL		17,835 SF
GARAGE		16,800 SF
COMMON AREA		8,060 SF

C D E F BUILDING INFO

STUDIO	8	500 SF
1 BED	16	600-750 SF
2 BED	32	960-1,080 SF
3 BED	4	1,200 SF
TOTAL	60	52,948 SF
APT LEVE FL PLATE		14,590 SF
NET RENTABLE /FL		13,237 SF
GARAGE		12,300 SF
COMMON AREA		5,400 SF

PROJECT INFORMATION

STUDIO	48	12.0%
1 BED	124	31.0%
2 BED	204	51.0%
3 BED	24	6.0%
TOTAL	400	

PARKING

RESIDENTIAL
PROVIDED 663
STALLS/DU 1.65
COMMERCIAL
STALLS PROVIDED 100
BUFFER AVERAGING
ADDED 20,621 SF
REDUCED 15,788 SF

SITE INFORMATION

APPROXIMATELY

BUILDABLE AREA	402,350 SF
100' BUFFER AREA	144,000 SF
TOTAL SITE	546,350 SF
COMMERCIAL PAD	84,000 SF
RESIDENTIAL	318,350 SF

rma Architecture & Planning
Rutledge Maul Architects

CEDAR RIVER APARTMENTS

SITE PLAN 07

Print Date: 8/19/2016

A-01