FARALLON CONSULTING

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January 22, 2020

Ms. Tena Seeds
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

**RE: SUBSURFACE INVESTIGATION RESULTS**
**BLOCK 38 WEST PROPERTY**
**500 THROUGH 536 WESTLAKE AVENUE NORTH**
**SEATTLE, WASHINGTON**
**FARALLON PN: 397-019**

Dear Ms. Seeds:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter report to provide a summary of the subsurface investigation conducted in December 2019 on behalf of City Investors IX L.L.C. (City Investors) for the property at 500 through 536 Westlake Avenue North in the South Lake Union area of Seattle, Washington (Block 38 West Property) (Figures 1 and 2). The data presented in this letter report supplement the information provided in the *Interim Action Work Plan, Block 38 West Property, 500 through 536 Westlake Avenue North, Seattle, Washington* dated November 8, 2019 prepared by Farallon (IAWP). The purpose of the subsurface investigation was to evaluate soil and groundwater conditions within and beneath the planned excavation for new building construction after demolition of existing buildings at the Block 38 West Property and prior to commencing construction dewatering. As summarized in the letter dated January 3, 2020[1], City Investors is committed to investigation and cleanup of the Block 38 West Property and associated Site and will continue to collect the necessary information to support the Remedial Investigation Work Plan (RI Work Plan) for the Block 38 West Site.

## BLOCK 38 WEST PROPERTY DESCRIPTION

The Block 38 West Property totals approximately 1.06 acres of land and comprises King County Parcel No. 1983200196 on the northern portion of the Block 38 West Property (534 and 536 Westlake Avenue North), King County Parcel No. 1983200180 on the central portion of the Block 38 West Property (520 Westlake Avenue North), and King County Parcel No. 1983200170 on the southern portion of the Block 38 West Property (500 and 510 Westlake Avenue North). The Block 38 West Property most recently was developed with structures formerly used for retail, temporary office space, storage, and parking. The vertical structures have been demolished as part of the planned redevelopment for the Block 38 West Property.

[1] Letter regarding Independent Interim Action and Agreed Order Negotiation Meeting Follow-Up dated January 3, 2020, from Ms. Seeds of the Washington State Department of Ecology to Mr. Jim Broadlick of City Investors.

City Investors currently is negotiating with the Washington State Department of Ecology (Ecology) the terms of an Agreed Order in connection with the investigation and remediation of the Block 38 West Property. The subsurface investigation described in this letter was performed as an independent remedial action without oversight or approval of Ecology, but the results will be incorporated into the RI Work Plan to be prepared under the terms of the Agreed Order, when signed by Ecology and City Investors.

## SUBSURFACE INVESTIGATION

Based on the results of previous investigations at the Block 38 West Property, the constituents of concern (COCs) identified in the IAWP include total petroleum hydrocarbons as oil-range organics (ORO), total naphthalenes, and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) in soil; and benzene, total petroleum hydrocarbons as diesel-range organics (DRO), and total naphthalenes in groundwater. The subsurface investigation activities performed in December 2019 allowed for (i) collection of soil and groundwater samples below the approximate limits of the planned excavation to evaluate soil and groundwater conditions after building demolition and before construction dewatering, and (ii) collection of shallow soil samples to aid soil profiling for disposal of excavated soil and to refine the existing conceptual site model for the Block 38 West Property. The planned finish floor elevation of the lowest level of parking is -3.25 feet North American Vertical Datum of 1988 (NAVD88), with the bottom of footing elevation for the majority of the foundation at approximately -6.5 feet NAVD88, with the excavation extending deeper in areas for footings or elevator pits.

The subsurface investigation included the following:

- Preparation of a site-specific Health and Safety Plan as required by Part 1910 of Title 29 of the Code of Federal Regulations and Chapter 296-62 of the Washington Administrative Code (WAC 296-62);
- Use of public and private utility locating services to clear proposed boring locations and to provide additional information pertaining to the locations of subsurface utilities at the Block 38 West Property;
- Advancement of four test pits (TP-4 through TP-7) to elevations ranging from 20 to 15 feet NAVD88 and collection of soil samples for potential analysis;
- Advancement and sampling of borings FB-07 through FB-09 to elevations ranging from -6.9 to -9.4 feet NAVD88;
- Advancement and completion of six borings as monitoring wells (FMW-144 through FMW-149) to an approximate elevation of -13 feet NAVD88;
- Development of monitoring wells FMW-144 through FMW-147 and FMW-149[2];

[2] Monitoring well FMW-148 was damaged during installation and was not developed or sampled prior to being properly decommissioned in accordance with WAC 173-160, *Minimum Standards for Construction and Maintenance of Wells*.

- Gauging of monitoring wells FMW-144 through FMW-147 and FMW-149, and collection of depth-to-water measurements and groundwater samples from monitoring wells FMW-144 through FMW-147 and FMW-149;
- Surveying of the top of casing elevation of monitoring wells FMW-144 through FMW-147 and FMW-149 and surface elevations of the test pit and boring locations; and
- Decommissioning of the monitoring wells in accordance with WAC 173-160, *Minimum Standards for Construction and Maintenance of Wells*, and the Washington State Water Well Construction Act[3], by a Washington State-licensed driller.

Farallon subcontracted Anderson Drilling LLC of Lake Stephens, Washington (Anderson) to advance borings and install monitoring wells. Farallon and Anderson mobilized to the Block 38 West Property with a limited-access sonic drill rig between December 20 and December 23, 2019 to advance and install groundwater monitoring wells FMW-144 through FMW-149. During this drilling event, Anderson also mobilized a limited-access direct-push drill rig to advance borings FB-07 through FB-09. Hos Brothers Construction, Inc. of Woodinville, Washington (Hos Bros.) advanced test pits using the bucket of an excavator. Hos Bros. advanced test pits TP-2 and TP-3 on December 19, 2019[4] to support and update the existing conceptual site model and soil profiles for disposal, and advanced test pits TP-4 through TP-7 on December 21 and 23, 2019 to evaluate the source of separate-phase petroleum hydrocarbons that were observed in the west-adjacent side sewer at the southeastern portion of the Block 38 West Property.[5] The boring, test pit, and well locations are shown on Figure 2.

Soil from each test pit, boring, and well location was logged and sampled according to the procedures described below. Monitoring wells were installed in accordance with WAC 173-160, *Minimum Standards for Construction and Maintenance of Wells*, and as described below. Test pit and boring logs will be provided in the RI Work Plan.

## SOIL SAMPLING

A Farallon geologist observed and logged subsurface conditions and retained soil samples from selected intervals based on field indications of potential contamination for laboratory analysis. The information recorded for each boring log included soil types encountered, visual and olfactory observations (e.g., staining, odor, etc.), and volatile organic vapor concentrations as measured using a photoionization detector.

Test pit soil samples were collected from the center of the track hoe bucket using either stainless steel or plastic sampling tools. Non-dedicated sampling equipment, with the exception of the track

[3] Chapter 18.104 of the Revised Code of Washington (RCW 18.104).
[4] These test pits were advanced as part of the independent interim action described in the IAWP, but sampling results are reported here as part of the subsurface investigation.
[5] Letter regarding Release Notification, Block 38 West Property, 500 through 536 Westlake Avenue North, Seattle, Washington dated December 9, 2019, from Ms. Suzy Stumpf and Mr. Clifford T. Schmitt of Farallon to Ms. Seeds of Ecology.

hoe bucket, was decontaminated between uses as appropriate. Soil samples were continuously collected during drilling with the limited-access direct-push and sonic drill rigs. Soil samples were selected from predetermined sample intervals and/or based on field observations.

Soil samples were collected and transferred directly into laboratory-prepared glass sample containers. Soil samples for volatile organic compound (VOC) analysis were collected in accordance with U.S. Environmental Protection Agency (EPA) Method 5035A for sampling and handling of VOCs. Soil samples collected during the subsurface investigation were placed on ice in a cooler under standard chain-of-custody protocols and delivered to OnSite Environmental Inc. of Redmond, Washington for analysis. Borings were backfilled with a bentonite slurry to the ground surface after sampling was complete.

## MONITORING WELL INSTALLATION AND DEVELOPMENT

Monitoring wells FMW-144 through FMW-147 and FMW-149 were constructed of 2-inch-diameter Schedule 40 polyvinyl chloride casing and 0.010-inch slotted screens. The monitoring wells were screened approximately between elevations of -8 to -13 feet NAVD88. The borehole annulus surrounding each well screen was filled with a filter pack consisting of clean 10/20 sand and placed from the base of the screen to approximately 2 to 3 feet above the screened interval. A bentonite seal was placed from the top of the sand filter pack to a depth of approximately 2 feet below ground surface (bgs). A 1-foot-thick concrete seal was placed around the monitoring well from the top of the bentonite seal to approximately 1 foot bgs. Each monitoring well was completed at current surface grade with a traffic-rated flush-mounted steel monument.

Monitoring wells FMW-144 through FMW-147 and FMW-149 were gauged following installation and prior to development activities. Monitoring well FMW-148 was not developed because it was not feasible due to damage to the casing during installation. This monitoring well was subsequently decommissioned. Monitoring wells FMW-144 through FMW-147 and FMW-149 were developed by Anderson using surging and purging techniques until the majority of the fine suspended solids were removed from the monitoring well casing.

## GROUNDWATER MONITORING EVENT

The depth to groundwater at monitoring wells FMW-144 through FMW-147 and FMW-149 was measured on December 23, 26, 30, and 31, 2019. The monitoring wells were opened, and the groundwater levels were permitted to equilibrate with atmospheric pressure before groundwater-level measurements were obtained during each measurement event. Multiple depth-to-water measurements were performed due to the large rainfall event – over 2.5 inches during a 48-hour period – that occurred during the subsurface investigation. Because the Block 38 West Property structures had been demolished, this rainfall event resulted in direct recharge to groundwater. Groundwater levels fluctuated by up to 0.49 foot in the newly installed monitoring wells during the 8-day period when groundwater levels were measured in December 2019.

Groundwater samples were collected from monitoring wells FMW-144 through FMW-147 and FMW-149 on December 26, 2019. The monitoring wells were sampled in general accordance with

protocols detailed in the *Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells* revised September 19, 2017, prepared by EPA. Prior to collecting groundwater samples, the depth to groundwater in each monitoring well was measured using an electronic water-level indicator. Each monitoring well was purged using a peristaltic pump at flow rates of between 100 and 500 milliliters per minute. Groundwater geochemical parameters, including temperature, pH, specific conductivity, dissolved oxygen, and oxidation-reduction potential, were recorded approximately every 3 minutes during purging using a multiparameter meter equipped with a flow-through cell. Groundwater samples were collected directly from the pump outlet following stabilization of the geochemical parameters. The sample containers were placed in an iced cooler and transported under standard chain-of-custody protocols to OnSite Environmental Inc. for analysis.

## LABORATORY ANALYSIS

Soil and groundwater samples were submitted for laboratory analysis for one or more of the following:

- DRO and ORO by Northwest Method NWTPH-Dx;
- Total petroleum hydrocarbons as gasoline-range organics (GRO), benzene, toluene, ethylbenzene, and xylenes by EPA Methods 8021B and/or 8260D;
- cPAHs (including naphthalenes) by EPA Methods 8270D and/or 8270E SIM;
- Total lead by EPA Method 6010D;
- 1,2-dibromoethane and 1,2-dichloroethane by EPA Method 8260D;
- Polychlorinated biphenyls by EPA Method 8082A;
- Methyl tertiary-butyl ether by EPA Method 8260D; and
- Chlorinated volatile organic compounds (CVOCs) by EPA Method 8260D.

## MONITORING WELL DECOMMISSIONING

The monitoring wells installed during the subsurface investigation were decommissioned by a licensed well driller in accordance with the Washington State Water Well Construction Act (RCW 18.104) and WAC 173-160-460. Anderson decommissioned monitoring well FMW-148 on December 23, 2019 and Cascade Drilling of Woodinville, Washington decommissioned monitoring wells FMW-144 through FMW-147 and FMW-149 on January 8, 2020.

## INVESTIGATION-DERIVED WASTE

Soil cuttings were temporarily stockpiled and disposed of off the Block 38 West Property under an existing nonhazardous waste profile with the Republic Services disposal facility in Seattle, Washington. Decontamination water, monitoring well purge water, and other wastewater generated during the subsurface investigation were temporarily stored in a 350-gallon poly tank and then transported off the Block 38 West Property for disposal at a licensed facility.

## RESULTS

A summary of the December 2019 subsurface investigation results is presented below. Only the soil and groundwater laboratory analytical results for borings and monitoring wells within the Block 38 West Property boundary are discussed below and presented in the attached tables and figures. Although completed as part of the independent interim action and not as part of the subsurface investigation, data for test pits TP-2 and TP-3 and for shallow grid sample H4 are provided in the updated data set for the Block 38 West Property. Figures 3 through 8 depict soil sampling results for COCs, Figures 9 through 14 depict groundwater sampling results for COCs, and Figures 15 through 18 depict soil and groundwater sampling results in cross-sectional views. Soil sampling analytical results are provided in Tables 1 through 5. Groundwater measurements and sampling analytical results are provided in Tables 6 through 10, and a summary of monitoring well decommissioning is provided in Table 11. The soil and groundwater analytical results are compared to screening levels that correspond to the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A cleanup levels for most constituents. If no MTCA Method A cleanup level is reported for a constituent, then its MTCA Method B cleanup level is used for the screening level. The complete laboratory analytical reports for soil and groundwater samples will be provided in the RI Work Plan, but will be made available to Ecology upon request once compiled by Farallon.

### SOIL

All analytes were reported non-detect at the laboratory practical quantitation limits (PQLs) in all soil samples collected at an approximate elevation of -7 to -10 feet NAVD88, which is below the planned building foundation. Thus, the vertical extent of soil with COC concentrations exceeding the screening levels has been defined and is less than the excavation depth for the planned building.

GRO was detected at concentrations of 83 and 31 milligrams per kilogram (mg/kg), which exceeds the screening level, in soil samples collected from boring FMW-145 at a depth of 13 feet bgs (elevation of 9.9 feet NAVD88) and at a depth of 1 foot bgs (elevation of 22.7 feet NAVD88), respectively, in interim action soil sampling grid H4 (Figure 3; Table 1). GRO was either detected at concentrations less than the screening level or reported non-detect at the laboratory PQL in the remaining soil samples. Benzene was detected at a concentration of 0.12 mg/kg, which exceeds the screening level, in a soil sample collected from boring FMW-145 at a depth of 13 feet bgs (elevation of 9.9 feet NAVD88), and was either detected at concentrations less than the screening level or reported non-detect at the laboratory PQL in the remaining soil samples (Figure 4; Table 1). GRO and benzene were considered constituents of potential concern in the IAWP, but prior investigations did not confirm their presence at the Block 38 West Property at concentrations exceeding their screening levels. With the confirmed occurrence at concentrations exceeding their screening levels, these compounds will be designated as COCs for soil.

DRO was either detected at concentrations less than the screening level or reported non-detect at the laboratory PQL in the soil samples collected during the subsurface investigation. However, other recent sampling at the Block 38 West Property confirmed DRO at a concentration of 6,600

mg/kg in a soil sample collected from test pit TP-2 at a depth of 10 feet bgs (elevation of 15 feet NAVD88), which exceeds the screening level (Figure 5; Table 1). DRO was considered a constituent of potential concern in the IAWP, but prior investigations did not confirm its presence at the Block 38 West Property at a concentration exceeding its screening level. With the confirmed occurrence at a concentration exceeding its screening level, DRO will be designated as a COC for soil.

ORO was detected at a concentration of 4,500 mg/kg in a soil sample collected from boring FB-08 at a depth of 2.5 feet bgs (elevation of 21.2 feet NAVD88), which exceeds the screening level. Also, ORO was detected at concentrations exceeding the screening level during other recent sampling for soil profiling at grid H4 and in test pit TP-2 (Figure 6; Table 1).

Naphthalene was detected at a concentration exceeding the screening level in soil samples collected from boring FB-08 at depths of 2.5 and 13.0 feet bgs (elevations of 21.2 and 10.7 feet NAVD88, respectively), and was either detected at concentrations less than the screening level or reported non-detect at the laboratory PQL in the remaining soil samples collected during the subsurface investigation (Figure 7; Table 2). cPAHs were detected at concentrations exceeding the screening level in soil samples collected from boring FB-08 at a depth of 2.5 feet bgs (elevation of 21.2 feet NAVD88) and boring FMW-144 at a depth of 9 feet bgs (elevation of 20.4 feet NAVD88) (Figure 8; Table 2). cPAHs were either detected at concentrations less than the screening level or reported non-detect at the laboratory PQL in the remaining soil samples collected during the subsurface investigation. PCBs and other VOCs analyzed were either detected at concentrations less than the screening level or reported non-detect at the laboratory PQLs in the remaining soil samples collected during the subsurface investigation (Tables 3 and 4).

Test pits TP-4 through TP-7 were advanced to evaluate the source of separate-phase petroleum hydrocarbons that were observed in the west-adjacent side sewer at the southeastern portion of the Block 38 West Property. Test pits TP-4 through TP-6 were advanced to evaluate the extent of the sanitary sewer line to the west, and no source of the separate-phase hydrocarbons was observed. Test pit TP-7 was advanced adjacent to the area where the sanitary sewer line was plugged with bentonite and previous field screening indicated a sheen on soil. The soil sample from this test pit was analyzed for potential COCs for an unknown oil release per MTCA Table 830-1, *Required Testing for Petroleum Releases* (WAC 173-340-900).

**GROUNDWATER**

The nomenclature for groundwater occurrence was described in the IAWP and is not reiterated here.

Monitoring wells FMW-144 through FMW-147 and FMW-149 were installed in the Intermediate Water-Bearing Zone, which is present in the glacially consolidated soil at the Block 38 West Property and encountered at approximate elevations of 5 to 10 feet NAVD88 (approximately 15 to 20 feet bgs) and extends to an elevation of -30 feet NAVD88. Observations during drilling of borings for the subsurface investigation did not suggest that there is an aquitard (e.g., laterally continuous non-water–bearing silt or clay) between the Shallow Water-Bearing Zone and

Intermediate Water-Bearing Zone. The monitoring wells installed during the subsurface investigation were screened across water-bearing sand and silty sand intervals. The soil types and occurrence of groundwater in the screened interval indicate the Intermediate Water-Bearing Zone is continuous across the Block 38 West Property. Prior groundwater-level measurement events at monitoring wells screened in the Shallow Water-Bearing Zone and Intermediate Water-Bearing Zone suggest there is little to no vertical gradient between these units.

Groundwater elevations in the Intermediate Water-Bearing Zone ranged from 17.25 to 17.07 feet NAVD88 on December 26, 2019 when groundwater samples were collected for the subsurface investigation. Groundwater elevation contours were developed using depth-to-water measurement events on December 23, 26, 30, and 31, 2019 (Figures 19 through 22). Depth to groundwater in monitoring wells from monitoring wells FMW-144 through FMW-147 and FMW-149 ranged from 5.42 to 19.18 feet bgs (Table 6). Based on the depth-to-water measurements, calculated groundwater elevations ranged from 16.81 to 17.48 feet NAVD88 at the Block 38 West Property during the subsurface investigation (Table 6).

The groundwater levels measured in wells screened in the Intermediate Water-Bearing Zone during the December 2019 groundwater measurement events indicate the inferred groundwater flow direction for the Intermediate Water-Bearing Zone was highly variable and ranged to the east, southeast, northeast, west, and southwest (Figures 19 through 22). The average horizontal hydraulic gradient was low, ranging from approximately 0.001 to 0.013 foot per foot. Thus, even slight variations in groundwater levels at each monitoring well, on the order of a 0.1- to 0.2-foot change over a period of a few days, could result in a substantial difference in the groundwater-level contours and inferred groundwater flow direction. The high variability of the inferred groundwater flow direction during the subsurface investigation was attributed to the recent demolition of the cap (buildings) on the Block 38 West Property and the significant amount of groundwater recharge during a rainfall event in which over 2.5 inches of precipitation was observed in the Seattle area[6].

DRO and ORO were detected at concentrations exceeding their screening levels in the groundwater samples collected from monitoring wells FMW-146 and FMW-147 on the central-eastern portion of the Block 38 West Property (Figures 11 and 12; Table 7). Analytical data collected for groundwater samples collected from nearby monitoring well FMW-130 (screened from -22.8 to -32.8 NAVD88) in 2018 and 2019 were less than the screening levels for DRO and ORO and bound the vertical extent of these COCs in groundwater (Table 7). The southern extent of DRO and ORO in the Intermediate Water-Bearing Zone is bound by groundwater analytical data collected at monitoring well FMW-136 (Figures 11 and 16) and the western extent in the Intermediate Water-Bearing Zone by groundwater analytical data collected at monitoring wells FMW-144 and FMW-149 (Figure 11). The analytical results for DRO at monitoring wells FMW-

[6] Total rainfall is based on National Weather Service information accessed on January 17, 2020 at https://w2.weather.gov/climate/index.php?wfo=sew.

144 and FMW-149 bound the vertical extent of DRO present in the Shallow Water-Bearing Zone detected at boring FB-03 and monitoring well FMW-134 (Figures 11 and 15).

GRO, benzene, total naphthalenes, and cPAHs were either detected at concentrations less than the screening levels or reported non-detect at the laboratory PQLs in groundwater samples collected from monitoring wells during the subsurface investigation (Figures 9, 10, 13, and 14; Tables 7 and 8). Additional analytes such as PCBs and CVOCs were reported non-detect at the laboratory PQLs in groundwater samples collected from the monitoring wells during the subsurface investigation, with the exception of cis-1,2-dichloroethene, which was detected at a concentration less than the screening level in the groundwater sample collected from monitoring well FMW-149 on the southwestern corner of the Block 38 West Property (Tables 9 and 10).

### CONCEPTUAL SITE MODEL

Based upon the results of the December 2019 subsurface investigation for the Block 38 West Property, the conceptual site model was expanded to include GRO, benzene, and DRO as COCs in soil and ORO as a COC in groundwater. The updated conceptual site model and COCs will be presented in the RI Work Plan.

## CONCLUSION

No COCs were detected at concentrations exceeding the screening levels in soil below the planned excavation and building foundation. Groundwater impacts were encountered below the planned building foundation but were limited to the central-eastern portion of the Block 38 West Property. It is anticipated that the source of groundwater contamination on the Block 38 West Property will be removed during excavation, but if continued investigation suggests otherwise, City Investors will consult with Ecology regarding additional remedial actions that may be necessary to address such contamination.

City Investors will continue to collect additional data to confirm or update the existing conceptual site model to support remedial actions at the Block 38 West Site, and will continue to advise and consult with Ecology regarding the same.

## 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 Property 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 Property that were not investigated or were inaccessible. Activities at the Property 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 Property 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 City Investors, and currently accepted industry standards. No other warranties, representations, or certifications are made.

Sincerely,

**Farallon Consulting, L.L.C.**

Suzy Stumpf, P.E.
Senior Design Engineer

Clifford T. Schmitt, L.G., L.H.G.
Principal Hydrogeologist

Attachments: Figure 1, *Vicinity Map*
Figure 2, *Site Plan*
Figure 3, *Soil Analytical Results for GRO*
Figure 4, *Soil Analytical Results for Benzene*
Figure 5, *Soil Analytical Results for DRO*
Figure 6, *Soil Analytical Results for ORO*
Figure 7, *Soil Analytical Results for Naphthalenes*
Figure 8, *Soil Analytical Results for cPAH TEC*
Figure 9, *Groundwater Analytical Results for GRO*
Figure 10, *Groundwater Analytical Results for Benzene*
Figure 11, *Groundwater Analytical Results for DRO*
Figure 12, *Groundwater Analytical Results for ORO*
Figure 13, *Groundwater Analytical Results for Naphthalenes*
Figure 14, *Groundwater Analytical Results for cPAH TEC*
Figure 15, *Cross Section A-A'*

Figure 16, *Cross Section B-B'*
Figure 17, *Cross Section C-C'*
Figure 18, *Cross Section D-D'*
Figure 19, *Groundwater Contours for December 23, 2019*
Figure 20, *Groundwater Contours for December 26, 2019*
Figure 21, *Groundwater Contours for December 30, 2019*
Figure 22, *Groundwater Contours for December 31, 2019*
Table 1, *Soil Analytical Results for TPH and BTEX*
Table 2, *Soil Analytical Results for PAHs*
Table 3, *Soil Analytical Results for Select CVOCs*
Table 4, *Soil Analytical Results for PCBs*
Table 5, *Soil Analytical Results for Metals*
Table 6, *Groundwater Elevations*
Table 7, *Groundwater Analytical Results for TPH and BTEX*
Table 8, *Groundwater Analytical Results for PAHs*
Table 9, *Groundwater Analytical Results for Select CVOCs*
Table 10, *Groundwater Analytical Results for PCBs*
Table 11, *Monitoring Well Summary*

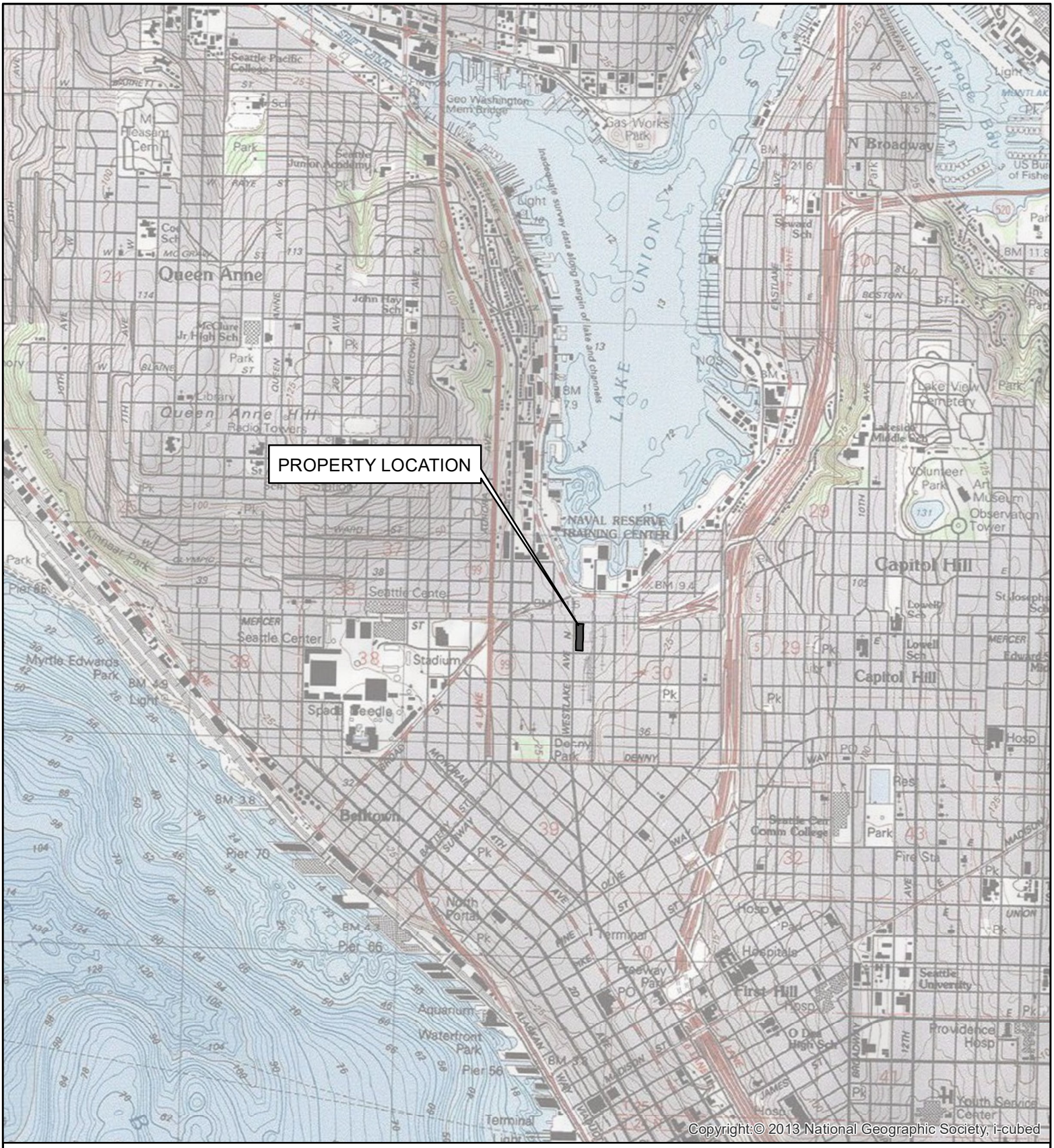
cc: Jim Broadlick, City Investors

SES/CTS:mm

# FIGURES

SUBSURFACE INVESTIGATION RESULTS
Block 38 West Property
500 through 536 Westlake Avenue North
Seattle, Washington

Farallon PN: 397-019

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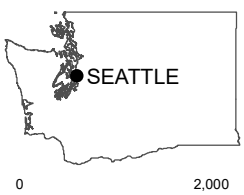


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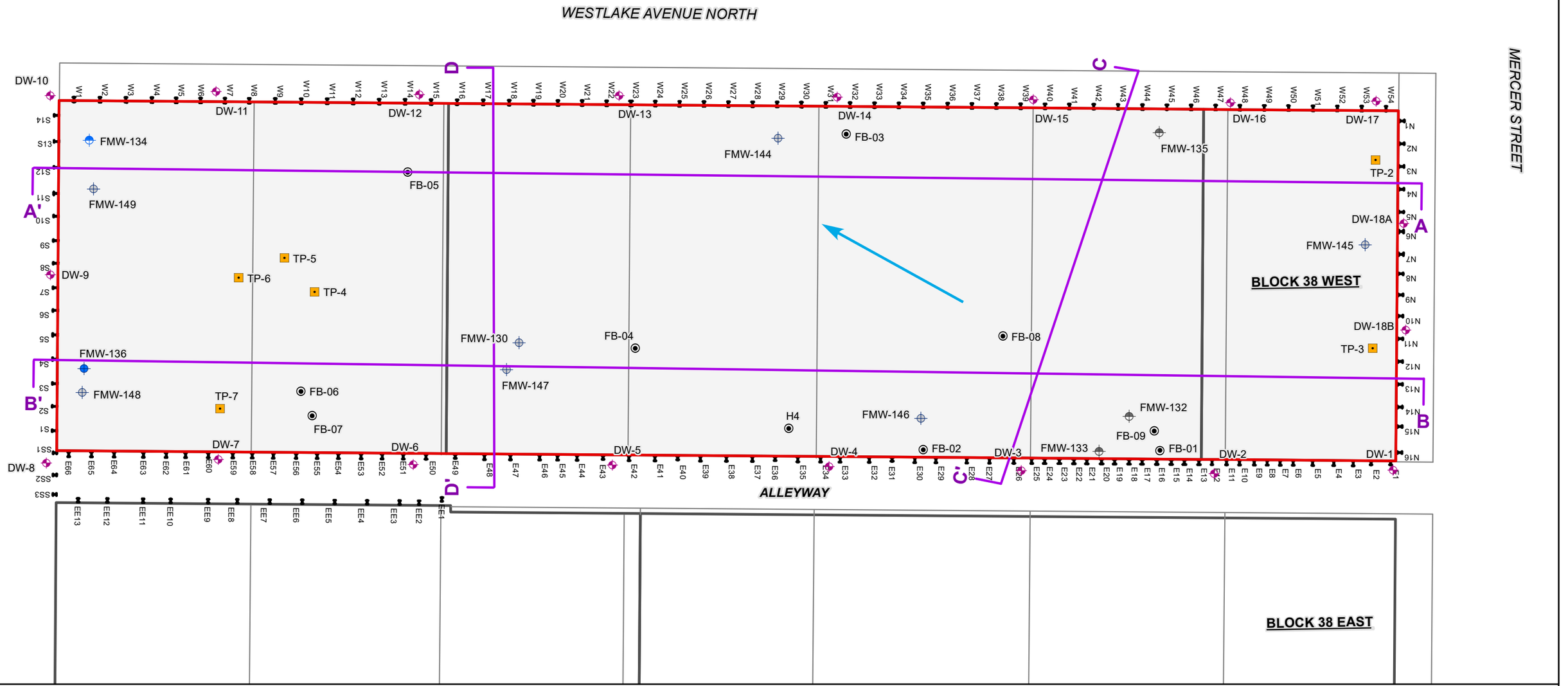
# FIGURE 1

VICINITY MAP
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: jjones | Checked By: BJ | Date: 10/29/2018 | Disc Reference:

Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\004_Reporting\Figure-01_SiteVicinity.mxd




## LEGEND

- BORING
- TEST PIT
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- DEWATERING WELL
- PILE

A A' CROSS SECTION LINE

INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)

LOT LINE

PROPERTY BOUNDARY

KING COUNTY PARCEL BOUNDARY

N

0 30

SCALE IN FEET

NOTES:
ALL LOCATIONS ARE APPROXIMATE.
FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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# FIGURE 2

SITE PLAN
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: jjones | Checked By: CS | Date: 1/21/2020 | Disc Reference:
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WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
20.4'|<30
10.4'|<12

FMW-149
15.2'|<7.0
5.2'|<6.3
-4.8'|<4.4
-7.3'|<4.3

FB-05
20.5'|<5.4
5.5'|<5.5
-9.5'|<5.8

FMW-144
20.4'|<18

FB-03
15.8'|<6.5
10.8'|<6.5
0.8'|<5.5

FMW-135
10.6'|<28
-9.4'|<5.8

TP-2
20'|<4.2
15'|<420

**BLOCK 38 WEST**

FMW-145
9.9'|83
4.9'|<28
-0.1'|<5.3
-5.1'|<6.5
-7.6'|<4.8
-10.1'|<5.5

FMW-136
15.1'|<9.0
5.1'|<6.4
-4.9'|<5.2

FMW-148
10.4'|<5.7

TP-7
19.5'|<25

FB-06
22.9'|17
5.4'|<5.3

FB-07
-0.5'|<6.0
-5.5'|<5.4
-8.0'|<5.6

FMW-130
2.2'|<8.8

FMW-147
14.3'|<51
9.3'|<5.5
-0.7'|<5.1
-7.7'|<6.4

FB-04
17.0'|<16
2.0'|<5.3
-8.0'|<5.5

H4
22.7'|31

FB-08
21.2'|23
15.7'|<5.2
10.7'|15
5.7'|<6.1
-6.9'|<6.0

FMW-146
10.2'|<7.0
5.2'|<5.4

FB-02
20.1'|<5.4
15.1'|<19
0.1'|<5.2
-9.9'|<5.8

FMW-132
20.7'|<8.4

FMW-133
15.3'|<28

FB-09
12.7'|<20
-9.4'|<5.8

FB-01
21.3'|<6.2
11.3'|<9.1
-3.7'|<5.1

TP-3
20'|<5.2
15'|<59

ALLEYWAY

**BLOCK 38 EAST**

## LEGEND

- BORING
- TEST PIT
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
SAMPLE ELEVATIONS AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET RELATIVE TO NAVD88 | GRO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

**BOLD** = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

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0 30
SCALE IN FEET

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# FIGURE 3

SOIL ANALYTICAL RESULTS FOR GRO
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

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WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
20.4'|<0.059
10.4'|<0.023

FMW-149
15.2'|<0.020
5.2'|<0.020
-4.8'|<0.020
-7.3'|<0.020

FB-05
20.5'|<0.020
5.5'|<0.020
-9.5'|<0.020

FMW-144
20.4'|<0.036

FB-03
15.8'|<0.020
10.8'|<0.020
0.8'|<0.020

FMW-135
10.6'|<0.055
-9.4'|<0.020

TP-2
20'|<0.020
15'|<0.026

FMW-145
9.9'|<0.020
4.9'|<0.020
-0.1'|<0.020
-5.1'|<0.020
-7.6'|<0.020
-10.1'|<0.020

**BLOCK 38 WEST**

FMW-136
15.1'|<0.020
5.1'|<0.020
-4.9'|<0.020

FMW-148
10.4'|<0.020

TP-7
19.5'|<0.0044

FB-06
22.9'|<0.024
5.4'|<0.020

FB-07
-0.5'|<0.020
-5.5'|<0.020
-8.0'|<0.020

FMW-130
2.2'|<0.020

FMW-147
14.3'|<0.10
9.3'|<0.020
-0.7'|<0.020
-7.7'|<0.020

FB-04
17.0'|<0.033
2.0'|<0.020
-8.0'|<0.020

H4
22.7'|<0.022

FMW-146
10.2'|<0.020
5.2'|<0.020

FB-02
20.1'|<0.020
15.1'|<0.037
0.1'|<0.020
-9.9'|<0.020

FB-08
21.2'|**0.12**
15.7'|<0.020
10.7'|<0.020
5.7'|<0.020
-6.9'|<0.020

FMW-133
15.3'|<0.057

FMW-132
20.7'|<0.020

FB-09
12.7'|<0.039
-9.4'|<0.020

FB-01
21.3'|<0.020
11.3'|<0.020
-3.7'|<0.020

TP-3
20'|<0.020
15'|<0.12

ALLEYWAY

**BLOCK 38 EAST**

## LEGEND

- BORING
- TEST PIT
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
SAMPLE ELEVATIONS AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET RELATIVE TO NAVD88 | BENZENE
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

**BOLD** = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

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# FIGURE 4

SOIL ANALYTICAL RESULTS FOR BENZENE
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

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WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
20.4'|260
10.4'|<31

FMW-149
15.2'|<33
5.2'|<31
-4.8'|<26
-7.3'|<28

FB-05
20.5'|<31
5.5'|<31
-9.5'|<31

FMW-144
20.4'|<52

FB-03
15.8'|<32
10.8'|<32
0.8'|<29

FMW-135
10.6'|130
-9.4'|<31

TP-2
20'|<27
15'|**6,600**

**BLOCK 38 WEST**

FMW-145
9.9'|650
4.9'|58
-0.1'|<30
-5.1'|<31
-7.6'|<29
-10.1'|<31

FMW-136
15.1'|<38
5.1'|<32
-4.9'|<30

FMW-148
10.4'|<31

TP-7
19.5'|<74

FB-06
22.9'|180
5.4'|<30

FB-07
-0.5'|<30
-5.5'|<30
-8.0'|<30

FMW-130
2.2'|<30

FMW-147
14.3'|<120
9.3'|<31
-0.7'|<30
-7.7'|<30

FB-04
17.0'|97
2.0'|<29
-8.0'|<30

H4
22.7'|600

FB-08
21.2'|1,700
15.7'|<29
10.7'|<31
5.7'|<29
-6.9'|<31

FMW-146
10.2'|<34
5.2'|<31

FB-02
20.1'|280
15.1'|<61
0.1'|<30
-9.9'|<31

FMW-132
20.7'|730

FB-09
12.7'|<58
-9.4'|<31

FB-01
21.3'|520
11.3'|<40
-3.7'|<29

FMW-133
15.3'|<83

TP-3
20'|<29
15'|<160

ALLEYWAY

**BLOCK 38 EAST**

## LEGEND

- BORING
- TEST PIT
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
SAMPLE ELEVATIONS AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET RELATIVE TO NAVD88 | DRO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

**BOLD** = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

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SCALE IN FEET

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# FIGURE 5

## SOIL ANALYTICAL RESULTS FOR DRO
## BLOCK 38 WEST PROPERTY
## SEATTLE, WASHINGTON

FARALLON PN: 397-019

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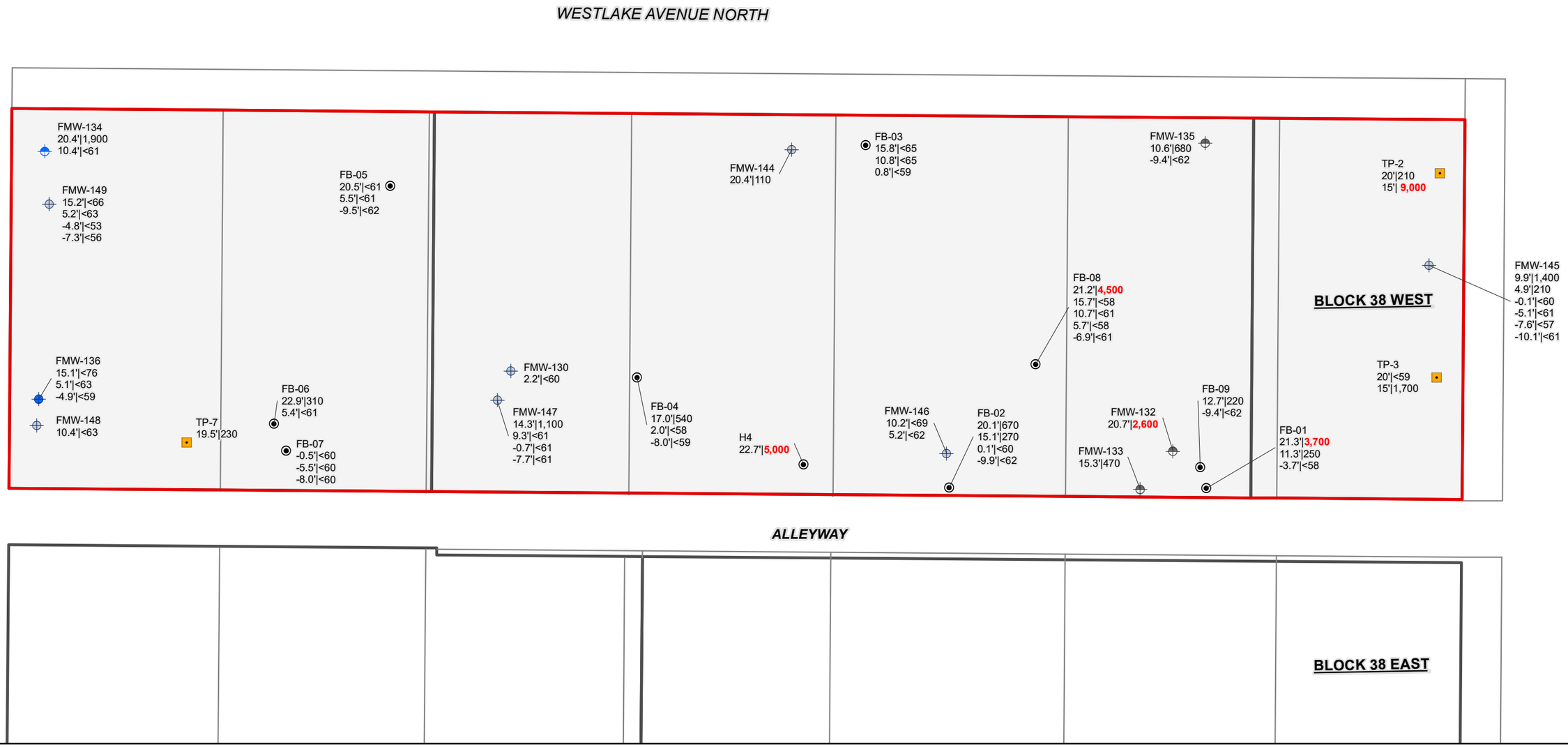


## LEGEND

- BORING
- TEST PIT
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
SAMPLE ELEVATIONS AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET RELATIVE TO NAVD88 | ORO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

**BOLD** = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
ORO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS OIL-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

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0 30
SCALE IN FEET

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# FIGURE 6

SOIL ANALYTICAL RESULTS FOR ORO
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

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WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
10.4'|0.18

FMW-149
15.2'|<0.0264
5.2'|0.067
-4.8'|<0.021
-7.3'|<0.0225

FB-05
10.5'|<0.0267

FMW-144
20.4'|<0.042

FB-03
15.8'|<0.0258
-9.2'|<0.024

FMW-135
10.6'|0.029
-4.4'|0.132

FMW-145
9.9'|0.301
4.9'|0.116
-0.1'|<0.0237
-5.1'|<0.0243
-7.6'|<0.0228
-10.1'|<0.0243

**BLOCK 38 WEST**

FB-04
12.0'|0.276
7.0'|0.192

FMW-130
2.2'|0.424

FMW-147
14.3'|0.13
9.3'|0.10
-0.7'|<0.0243
-7.7'|<0.0243

FB-08
21.2'|**14.3**
15.7'|0.022
10.7'|**8.8**
5.7'|0.20
-6.9'|<0.024

TP-3
20'|0.019
15'|<0.031

FMW-136
5.1'|0.30

FMW-148
10.4'|0.546

TP-7
19.5'|0.061

FB-06
22.9'|0.176
15.4'|<0.048
5.4'|0.70

FB-07
-0.5'|0.028
-5.5'|<0.024
-8.0'|<0.024

FMW-146
10.2'|0.76
5.2'|0.45

FB-02
20.1'|3.3
0.1'|0.127

FMW-132
20.7'|**6.6**

FB-09
12.7'|<0.045
-9.4'|<0.025

FMW-133
15.3'|<0.165
5.3'|0.33

FB-01
21.3'|3.29
11.3'|<0.033

ALLEYWAY

**BLOCK 38 EAST**

## LEGEND

- BORING
- TEST PIT
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
SAMPLE ELEVATIONS AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET RELATIVE TO NAVD88 | NAPHTHALENES
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

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0 30
SCALE IN FEET

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# FIGURE 7

SOIL ANALYTICAL RESULTS FOR NAPHTHALENES
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

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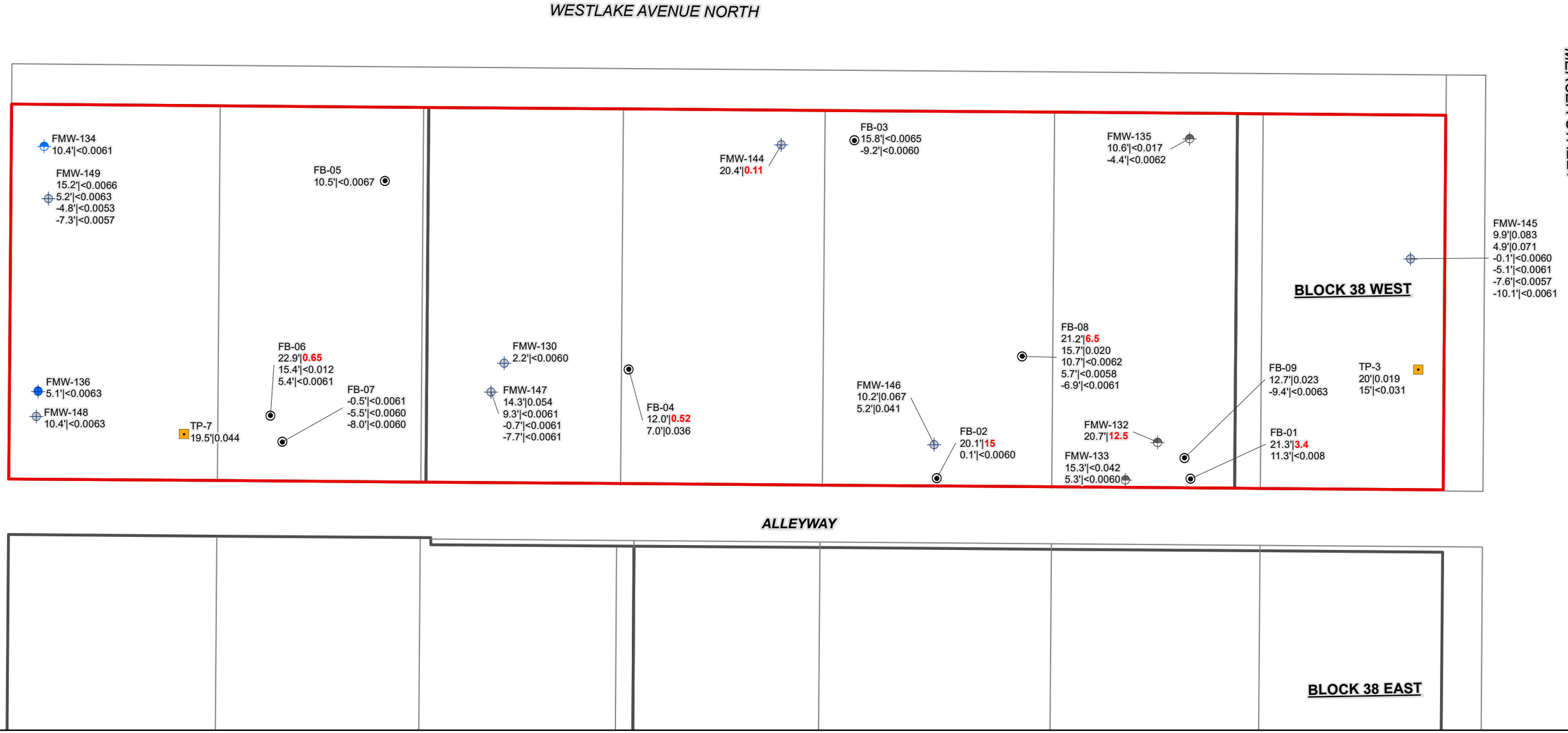


## LEGEND

- BORING
- TEST PIT
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
SAMPLE ELEVATIONS AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET RELATIVE TO NAVD88 | cPAH TEC
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

**BOLD** = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED FOR TOTAL TOXIC EQUIVALENT CONCENTRATION OF BENZO(A)PYRENE (mg/kg)
cPAHs = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS
TEC = TOXIC EQUIVALENT CONCENTRATION OF BENZO(A)PYRENE FOR cPAH MIXTURE
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

N

0 30
SCALE IN FEET

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# FIGURE 8

SOIL ANALYTICAL RESULTS FOR cPAH TEC
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: tperrin | Checked By: CS | Date: 1/20/2020 | Disc Reference:
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WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
8/30/2018|++
12/28/2018|<100
12/28/2018|<100
3/26/2019|140

FMW-149
12/26/2019|<100

FB-05
**8/22/2018|<100

FMW-144
12/26/2019|<100

FB-03
**8/23/2018|<100

FMW-135
8/30/2018|<100
12/28/2018|<100
3/26/2019|<100

FMW-145
12/26/2019|<100

FMW-130
***7/21/2014|+++
7/3/2017|<100
8/30/2018|<100
12/28/2018|<100
3/26/2019|<100

FMW-147
12/26/2019|<100

FMW-136
8/30/2018|<100
12/28/2018|<100
3/26/2019|<100

FMW-146
12/26/2019|170

FMW-133
8/30/2018|<100
12/28/2018|<100
3/26/2019|<100

FMW-132
8/30/2018|<100
12/28/2018|<100
3/26/2019|<100

**BLOCK 38 WEST**

**ALLEYWAY**

**BLOCK 38 EAST**

N

0 30

SCALE IN FEET

## LEGEND

- BORING
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

ALL LOCATIONS ARE APPROXIMATE.
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NOTES:
DATE SAMPLED AND CONCENTRATIONS REPORTED AS:
SAMPLE DATE | GRO
ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

** = INDICATES RESULTS ARE FROM A RECONNAISSANCE GROUNDWATER SAMPLE
**BOLD** = CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

*** = INDICATES RESULTS ARE FROM A RECONNAISSANCE GROUNDWATER SAMPLE THAT WAS SCREENED AT AN ELEVATION OF 7.2 TO 2.2 FEET RELATIVE TO THE NAVD88 DATUM.
+++ = GRO REPORTED AT A CONCENTRATION OF 2,100 µg/l; HOWEVER, RE-EVALUATION BY THE ANALYTICAL LABORATORY INDICATED THAT THE REPORTED CONCENTRATION WAS NOT SIMILAR TO A TYPICAL GAS.
++ = GRO REPORTED AT A CONCENTRATION OF 1,100 µg/l; HOWEVER, RE-EVATLUATION BY THE ANALYTICAL LABORATORY INDICATED THAT THE REPORTED CONCENTRATION GRO WAS ATTRIBUTED TO A SINGLE PEAK ON THE CHROMATOGRAM, WHICH WAS IN THE RANGE OF NAPHTHALENE. NAPHTHALENE WAS QUANTIFIED AT A CONCENTRATION OF 290 µg/l AND TOTAL NAPHTHALENES AT 312 µg/l IN THIS GROUNDWATER SAMPLE.

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# FIGURE 9

GROUNDWATER ANALYTICAL RESULTS
FOR GRO
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

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WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
8/30/2018|<1.0
12/28/2018|<0.20
12/28/2018|<0.20
3/26/2019|<1.0

FMW-149
12/26/2019|<1.0

FB-05
**8/22/2018|<1.0

FMW-144
12/26/2019|<1.0

FB-03
**8/22/2018|<1.0

FMW-135
8/30/2018|<0.20
12/28/2018|<0.20
3/26/2019|<1.0

FMW-145
12/26/2019|<1.0

**BLOCK 38 WEST**

FMW-136
8/30/2018|<0.20
12/28/2018|<0.20
3/26/2019|<1.0

FMW-130
***7/21/2014|**5.1**
7/3/2017|<0.20
8/30/2018|<0.20
12/28/2018|<0.20
3/26/2019|<1.0

FMW-147
12/26/2019|<1.0

FMW-133
8/30/2018|<0.20
12/28/2018|<0.20
3/26/2019|<1.0

FMW-132
8/30/2018|<0.20
12/28/2018|<0.20
3/26/2019|<1.0

FMW-146
12/26/2019|<1.0

ALLEYWAY

**BLOCK 38 EAST**

## LEGEND

- BORING
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
DATE SAMPLED AND CONCENTRATIONS REPORTED AS:
SAMPLE DATE | BENZENE
ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

** = INDICATES RESULTS ARE FROM A RECONNAISSANCE GROUNDWATER SAMPLE
**BOLD** = CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION

ALL LOCATIONS ARE APPROXIMATE.
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N

0 30
SCALE IN FEET

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# FIGURE 10

GROUNDWATER ANALYTICAL RESULTS FOR BENZENE
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: tperrin | Checked By: CS | Date: 1/20/2020 | Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\014D Meeting_20200115\Figure-10_Groundwater_Benzene.mxd

WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
8/30/2018|**1,000**
12/28/2018|**560**
12/28/2018|**680**
3/26/2019|**540**

FMW-149
12/26/2019|<210

FB-05
**8/22/2018|<260

FMW-144
12/26/2019|<200

FB-03
**8/23/2018|**660**

FMW-135
8/30/2018|<260
12/28/2018|370
3/26/2019|<250

FMW-145
12/26/2019|280

**BLOCK 38 WEST**

FMW-136
8/30/2018|<250
12/28/2018|<260
3/26/2019|<250

FMW-130
8/30/2018|<250
12/28/2018|<260
3/26/2019|<250

FMW-147
12/26/2019|**1,900**

FMW-146
12/26/2019|**1,100**

FMW-133
8/30/2018|270
12/28/2018|310
3/26/2019|280

FMW-132
8/30/2018|260
12/28/2018|<260
3/26/2019|<250

**ALLEYWAY**

**BLOCK 38 EAST**

## LEGEND

- BORING
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
DATE SAMPLED AND CONCENTRATIONS REPORTED AS:
SAMPLE DATE | DRO
ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

** = INDICATES RESULTS ARE FROM A RECONNAISSANCE GROUNDWATER SAMPLE
**BOLD** = CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

N

0 30
SCALE IN FEET

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# FIGURE 11

GROUNDWATER ANALYTICAL RESULTS FOR DRO
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

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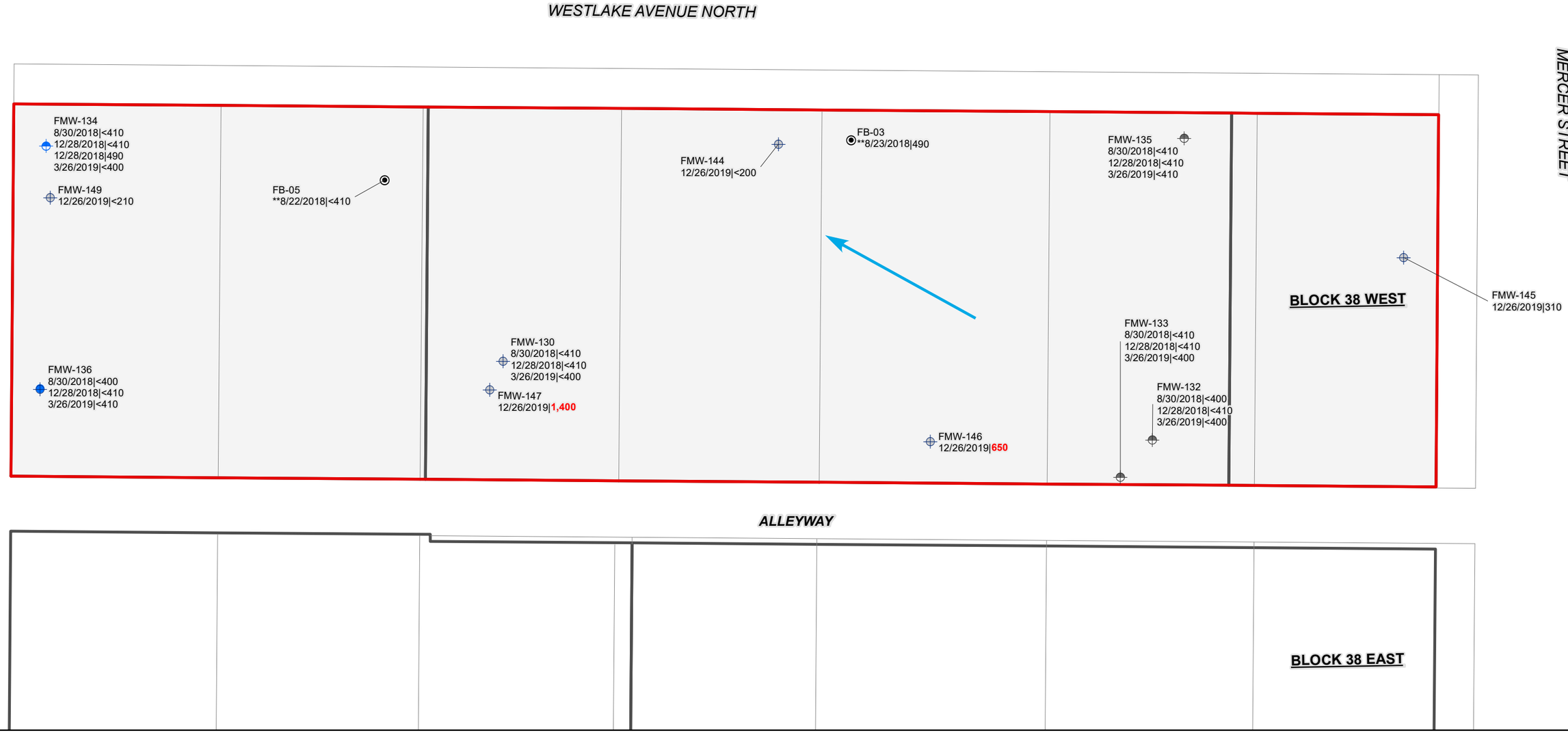
Document Path: Q:\Projects\397_VULCAN\019_Block38\Mapfiles\014D Meeting_20200115\Figure-11_Groundwater_DRO.mxd




## LEGEND

- BORING
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
DATE SAMPLED AND CONCENTRATIONS REPORTED AS:
SAMPLE DATE | ORO
ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

| | | |
|---|---|---|
| ** | = | INDICATES RESULTS ARE FROM A RECONNAISSANCE GROUNDWATER SAMPLE |
| **BOLD** | = | CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL) |
| < | = | ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED |
| ORO | = | TOTAL PETROLEUM HYDROCARBONS (TPH) AS OIL-RANGE ORGANICS |
| MTCA | = | WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION |
| NAVD88 | = | NORTH AMERICAN VERTICAL DATUM OF 1988 |

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0 30
SCALE IN FEET

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# FIGURE 12

GROUNDWATER ANALYTICAL RESULTS FOR ORO
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: tperrin | Checked By: CS | Date: 1/20/2020 | Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019 Block38\Mapfiles\014D Meeting 20200115\Figure-12 Groundwater ORO.mxd

WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
8/30/2018| 312
12/28/2018|25
12/28/2018|66

FMW-149
12/26/2019|0.15

FMW-136
8/30/2018|0.39
12/28/2018|<0.30

FMW-130
***7/21/2014| 650E
8/30/2018|<0.291
12/28/2018|<0.33

FMW-147
12/26/2019|3.14

FB-03
**8/23/2018|<1.3

FMW-144
12/26/2019|<0.282

FMW-146
12/26/2019|37.2

FMW-135
8/30/2018|1.32
12/28/2018|0.56

FMW-145
12/26/2019|<0.282

BLOCK 38 WEST

FMW-133
8/30/2018|<0.291
12/28/2018|<0.30

FMW-132
8/30/2018|<0.288
12/28/2018|<0.30

ALLEYWAY

BLOCK 38 EAST

N

0 30

SCALE IN FEET

## LEGEND

- BORING
- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
DATE SAMPLED AND CONCENTRATIONS REPORTED AS:
SAMPLE DATE | NAPHTHALENES
ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

** = INDICATES RESULTS ARE FROM A RECONNAISSANCE GROUNDWATER SAMPLE
BOLD = CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988
E = CONCENTRATION IS ESTIMATED BASED ON THE REPORTED VALUE EXCEEDING THE QUANTITATION RANGE

*** = INDICATES RESULTS ARE FROM A RECONNAISSANCE GROUNDWATER SAMPLE THAT WAS SCREENED AT AN ELEVATION OF 7.2 TO 2.2 FEET RELATIVE TO THE NAVD88 DATUM.

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# FIGURE 13

## GROUNDWATER ANALYTICAL RESULTS FOR NAPHTHALENES BLOCK 38 WEST PROPERTY SEATTLE, WASHINGTON

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Date: 1/20/2020
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WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134
8/30/2018|<0.0075
12/28/2018|<0.0083
12/28/2018|<0.0076
3/26/2019|<0.0076

FMW-149
12/26/2019|<0.0071

FMW-144
12/26/2019|<0.0071

FMW-135
8/30/2018|<0.0072
12/28/2018|<0.0075
3/26/2019|<0.0083

FMW-145
12/26/2019|<0.0071

FMW-130
8/30/2018|<0.0073
12/28/2018|<0.0083
3/26/2019|0.0099

FMW-133
8/30/2018|<0.0073
12/28/2018|<0.0076
3/26/2019|<0.0083

**BLOCK 38 WEST**

FMW-136
8/30/2018|<0.0072
12/28/2018|<0.0076
3/26/2019|<0.0076

FMW-147
12/26/2019|0.033

FMW-132
8/30/2018|<0.0072
12/28/2018|<0.0076
3/26/2019|<0.0076

FMW-146
12/26/2019|0.012

ALLEYWAY

**BLOCK 38 EAST**

## LEGEND

- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)
- LOT LINE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
DATE SAMPLED AND CONCENTRATIONS REPORTED AS:
SAMPLE DATE | cPAH TEC
ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

| | | |
|---|---|---|
| ** | = | INDICATES RESULTS ARE FROM A RECONNAISSANCE GROUNDWATER SAMPLE |
| BOLD | = | CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL) |
| < | = | ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED FOR TOTAL TOXIC EQUIVALENT CONCENTRATION OF BENZO(A)PYRENE (µg/l) |
| cPAHs | = | CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS |
| TEC | = | TOXIC EQUIVALENT CONCENTRATION OF BENZO(A)PYRENE FOR cPAH MIXTURE |
| MTCA | = | WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION |

N

0 30

SCALE IN FEET

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# FIGURE 14

## GROUNDWATER ANALYTICAL RESULTS FOR cPAH TEC
## BLOCK 38 WEST PROPERTY
## SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: tperrin
Checked By: CS
Date: 1/20/2020
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A (NORTH)

A' (SOUTH)

MERCER STREET

PROPERTY BOUNDARY

REPUBLICAN STREET

PROPERTY BOUNDARY

TP-2 (TP7'E)
FMW-145 (TP19'W)

FMW-135 (TP15'E)

FB-03 (TP13'E)

FMW-144 (TP12'E)

FB-05 (TP1'W)

FMW-134 (TP8'E)

FMW-149 (TP7'W)

C - C'

D - D'

APPROXIMATE GROUND SURFACE

APPROXIMATE PRE-CONSTRUCTION GROUND SURFACE

CONSTRUCTION FILL GROUND SURFACE

APPROXIMATE GROUNDWATER ELEVATION

APPROXIMATE EXTENT OF EXCAVATION

FILL
(SILT/SAND/GRAVEL)

FILL
(WOOD DEBRIS/
ORGANICS)

CONSTRUCTION FILL
(SAND/GRAVEL/RUBBLE)

SILTY SAND

SILT/SANDY SILT

SILT/
SANDY SILT

SAND/SILTY SAND

[5.0'|<4.2|<27|210|<0.020|---|---]

[10.0'|<420|**6,600**|**9,000**|<0.026|---|---]

[13.0'|**83**|650|1,400|<0.020|0.301|0.083]

[18.0'|<28|58|210|<0.020|0.116|0.071]

[23.0'|<5.3|<30|<60|<0.020|<0.0237|<0.0060]

[28.0'|<6.5|<31|<61|<0.020|<0.0243|<0.0061]

[30.5'|<4.8|<29|<57|<0.020|<0.0228|<0.0057]

[33.0'|<5.5|<31|<61|<0.020|<0.0243|<0.0061]
[12/26/2019|<100|280|310|<1.0|<0.282]

[8/30/2018|<100|<260|<410|<0.20|1.32]
[12/28/2018|<100|370|<410|<0.20|0.56]
[3/26/2019|<100|<250|<410|<1.0|---]

[15.0'|<28|130|680|<0.055|0.029|<0.017]

[30.0'|---|---|---|---|0.132|<0.0062]

[35.0'|<5.8|<31|<62|<0.020|---|---]

[9.0'|<18|<52|110|<0.036|<0.042|**0.11**]

[10.0'|<6.5|<32|<65|<0.020|<0.0258|<0.0065]

[15.0'|<6.5|<32|<65|<0.020|---|---]

[**8/23/2018|<100|**660**|490|<1.0|<1.3]

[25.0'|<5.5|<29|<59|<0.020|---|---]

[35.0'|---|---|---|---|<0.024|<0.0060]

[12/26/2019|<100|<200|<200|<1.0|<0.282]

[5.0'|<5.4|<31|<61|<0.020|---|---]

[15.0'|---|---|---|<0.0267|<0.0067]

[**8/22/2018|<100|<260|<410|<1.0|---]

[20.0'|<5.5|<31|<61|<0.020|---|---]

[35.0'|<5.8|<31|<62|<0.020|---|---]

[5.0'|<30|260|1,900|<0.059|---|---]

[21.0'|<7.0|<33|<66|<0.020|<0.0264|<0.0066]

[8/30/2018|**++1,100**|**1,000**|<410|<1.0|312]
[12/28/2018|<100|**560**|<410|<0.20|25]
[3/26/2019|140|**540**|<400|<1.0|---]
[15.0'|<12|<31|<61|<0.023|0.18|<0.0061]
[31.0'|<6.3|<31|<63|<0.020|0.067|<0.0063]

[41.0'|<4.4|<26|<53|<0.020|<0.021|<0.0053]

[43.5'|<4.3|<28|<56|<0.020|<0.0225|<0.0057]

[12/26/2019|<100|<210|<210|<1.0|0.15]

SHALLOW WATER-BEARING ZONE

INTERMEDIATE WATER-BEARING ZONE

DEEP OUTWASH AQUIFER

?

FILL AND RECENT DEPOSITS

GLACIALLY CONSOLIDATED SOIL

?

FEET NAVD88

45 40 35 30 25 20 15 10 5 0 -5 -10 -15 -20 -25 -30

## LEGEND

FMW-145 (TP19'W)

BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, EAST (E) OR WEST (W), TO CROSS-SECTION LINE

SOIL SAMPLE LOCATION

APPROXIMATE GROUNDWATER ELEVATION

STRATIGRAPHIC CONTACT

BLANK CASING OR BORING

STATIC GROUNDWATER ELEVATION (12/31/2019)

GROUNDWATER ELEVATION AT TIME OF DRILLING

TEMPORARY SCREEN INTERVAL

WELL SCREEN INTERVAL

[**8/22/2018|<100|<260|<410|<1.0|---] ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

GROUNDWATER ANALYTICAL RESULT [DATE SAMPLED|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES]

** DENOTES SAMPLE IS RECONNAISSANCE GROUNDWATER

++ = GRO REPORTED IN A CONCENTRATION OF 1,100 µg/l; HOWEVER, RE-EVATLUATION BY THE ANALYTICAL LABORATORY INDICATED THAT THE REPORTED CONCENTRATION OF GRO WAS ATTRIBUTED TO A SINGLE PEAK ON THE CHROMATOGRAM, WHICH WAS IN THE RANGE OF NAPHTHALENE. NAPHTHALENE WAS QUANTIFIED AT A CONCENTRATION OF 290 µg/l AND TOTAL NAPHTHALENES AT 312 µg/l IN THIS GROUNDWATER SAMPLE.

ALL SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

[35.0'|---|---|---|---|<0.024|<0.0060] SOIL ANALYTICAL RESULT [DEPTH IN FEET BELOW GROUND SURFACE|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES|cPAH TEC]

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS

DRO = TPH AS DIESEL-RANGE ORGANICS

ORO = TPH AS OIL-RANGE ORGANICS

TOTAL NAPHTHALENES = SUM OF NAPHTHALENE, 1-METHYLNAPHTHALENE, AND 2-METHYLNAPHTHALENE

cPAH TEC = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS TOXIC EQUIVALENT CONCENTRATION

**BOLD** = INDICATES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCA) CLEANUP LEVEL

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER

ESTIMATED EXTENT OF SOIL EXCEEDING MTCA CLEANUP LEVELS

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING MTCA CLEANUP LEVELS

5' 0' 0' 20'

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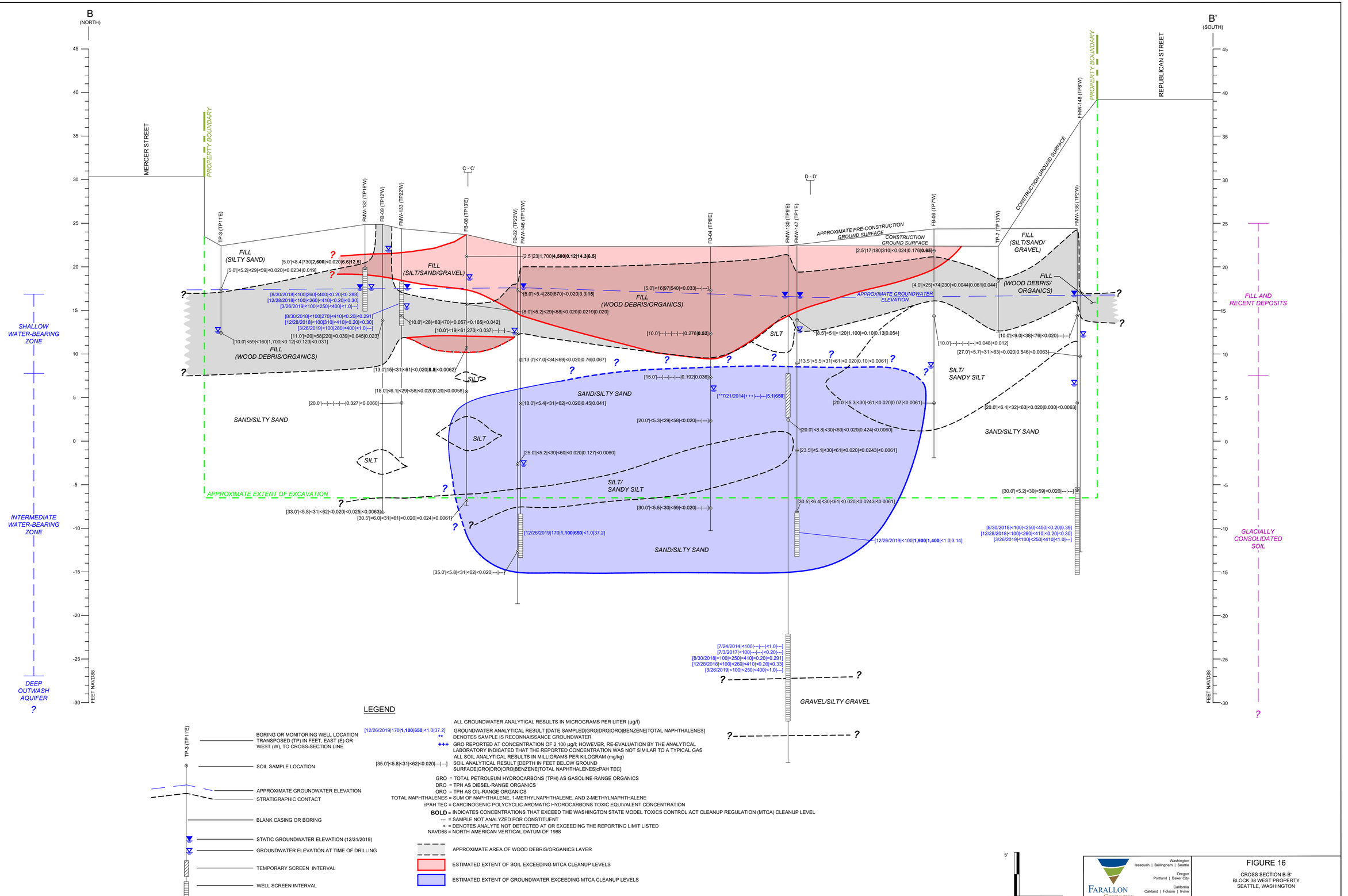
# FIGURE 15

CROSS SECTION A-A'
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN:397-019

Drawn By: NM Checked By: CS Date: 1/22/2020

R:\Projects\397-019\CAD\Figures\Additional Data Package Summary\397-019 X Section - Add Data.dwg, 1/22/2020 9:21 AM (Nick Miller)




## LEGEND

TP-3 (TP11'E) — BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, EAST (E) OR WEST (W), TO CROSS-SECTION LINE

SOIL SAMPLE LOCATION

APPROXIMATE GROUNDWATER ELEVATION

STRATIGRAPHIC CONTACT

BLANK CASING OR BORING

STATIC GROUNDWATER ELEVATION (12/31/2019)

GROUNDWATER ELEVATION AT TIME OF DRILLING

TEMPORARY SCREEN INTERVAL

WELL SCREEN INTERVAL

ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

[12/26/2019|170|**1,100**|**650**|<1.0|37.2] — GROUNDWATER ANALYTICAL RESULT [DATE SAMPLED|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES]

** — DENOTES SAMPLE IS RECONNAISSANCE GROUNDWATER

+++ — GRO REPORTED AT CONCENTRATION OF 2,100 µg/l; HOWEVER, RE-EVALUATION BY THE ANALYTICAL LABORATORY INDICATED THAT THE REPORTED CONCENTRATION WAS NOT SIMILAR TO A TYPICAL GAS

ALL SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

[35.0'|<5.8|<31|<62|<0.020|---|---] — SOIL ANALYTICAL RESULT [DEPTH IN FEET BELOW GROUND SURFACE|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES|cPAH TEC]

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS

DRO = TPH AS DIESEL-RANGE ORGANICS

ORO = TPH AS OIL-RANGE ORGANICS

TOTAL NAPHTHALENES = SUM OF NAPHTHALENE, 1-METHYLNAPHTHALENE, AND 2-METHYLNAPHTHALENE

cPAH TEC = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS TOXIC EQUIVALENT CONCENTRATION

**BOLD** = INDICATES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCA) CLEANUP LEVEL

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER

ESTIMATED EXTENT OF SOIL EXCEEDING MTCA CLEANUP LEVELS

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING MTCA CLEANUP LEVELS

5' / 0' / 20'

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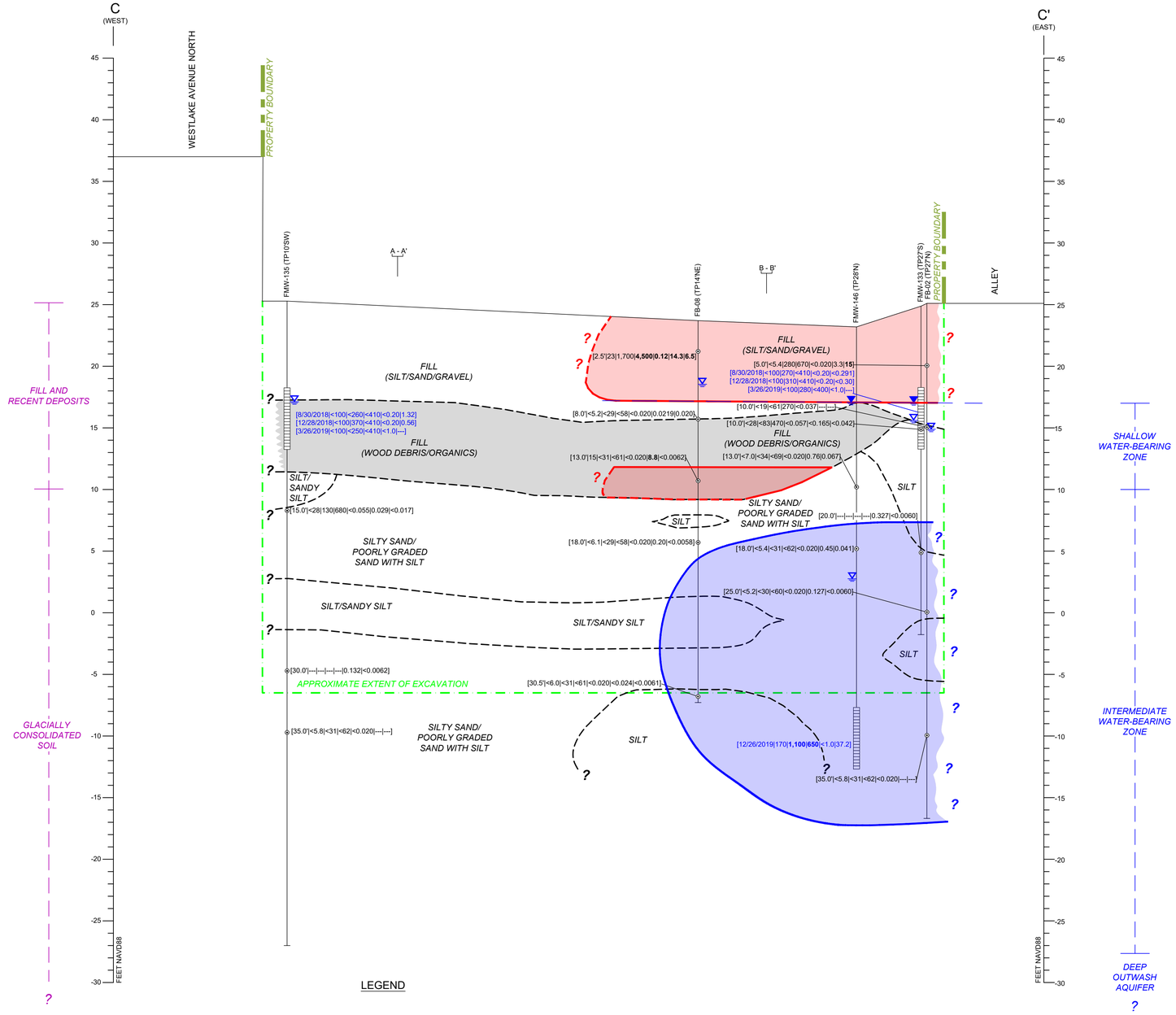
# FIGURE 16

CROSS SECTION B-B'
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

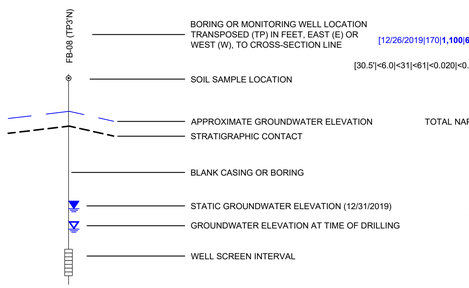
FARALLON PN:397-019

Drawn By: NM | Checked By: CS | Date: 1/22/2020

R:\Projects\397-019\CAD\Figures\Additional Data Package Summary\397-019 X Section - Add Data.dwg, 1/22/2020 9:31 AM, Nick Miller




## LEGEND




ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

GROUNDWATER ANALYTICAL RESULT [DATE SAMPLED|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES]

ALL SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

SOIL ANALYTICAL RESULT [DEPTH IN FEET BELOW GROUND SURFACE|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES|cPAH TEC]

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS

DRO = TPH AS DIESEL-RANGE ORGANICS

ORO = TPH AS OIL-RANGE ORGANICS

TOTAL NAPHTHALENES = SUM OF NAPHTHALENE, 1-METHYLNAPHTHALENE, AND 2-METHYLNAPHTHALENE

cPAH TEC = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS TOXIC EQUIVALENT CONCENTRATION

**BOLD** = INDICATES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCA) CLEANUP LEVEL

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER

ESTIMATED EXTENT OF SOIL EXCEEDING MTCA CLEANUP LEVELS

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING MTCA CLEANUP LEVELS

5'
0'
0'
10'

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# FIGURE 17

CROSS SECTION C-C'
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN:397-019

Drawn By: NM Checked By: CS Date: 1/22/2020

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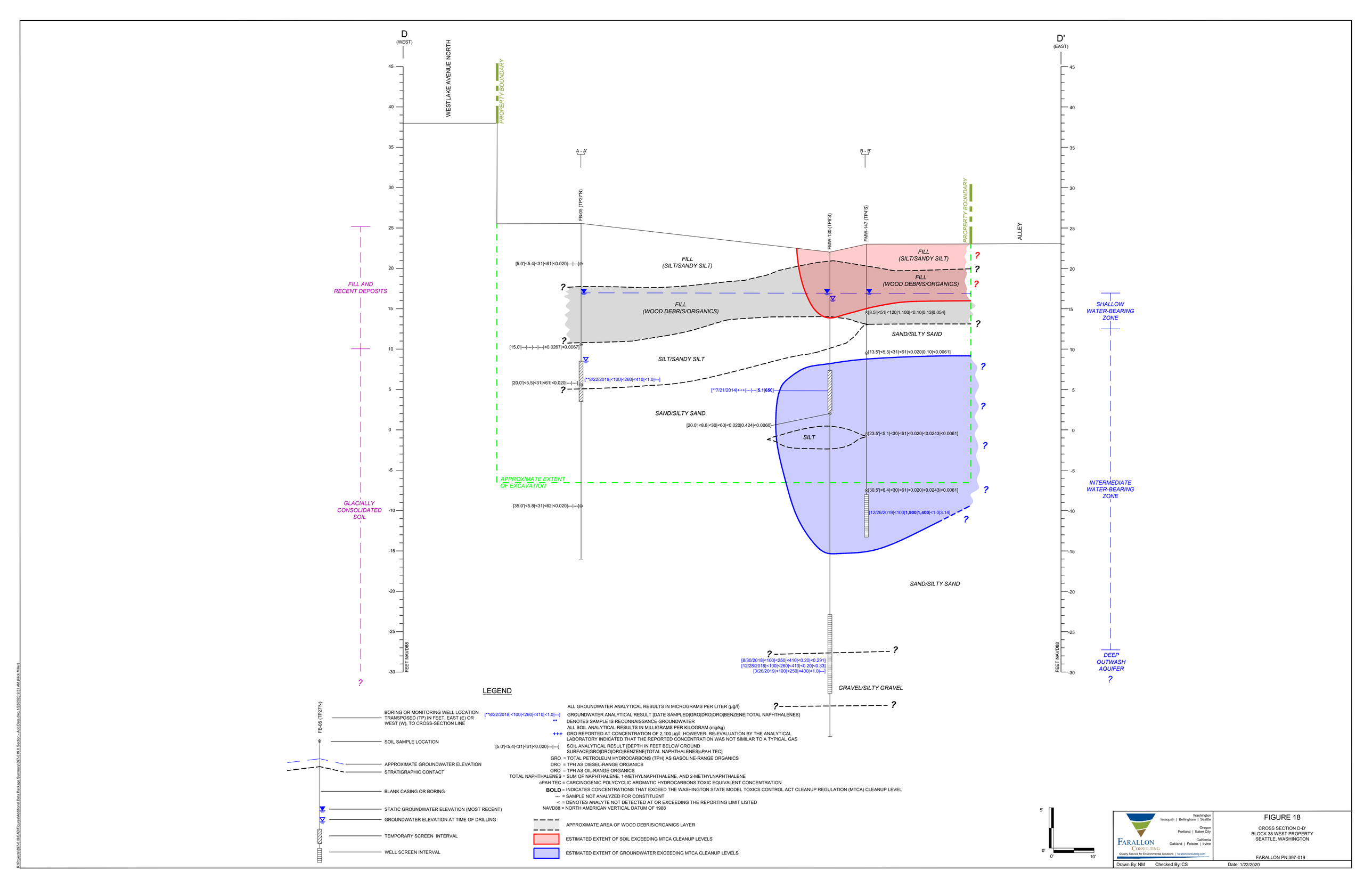


## LEGEND

- BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, EAST (E) OR WEST (W), TO CROSS-SECTION LINE — FB-05 (TP27N)
- SOIL SAMPLE LOCATION
- APPROXIMATE GROUNDWATER ELEVATION
- STRATIGRAPHIC CONTACT
- BLANK CASING OR BORING
- STATIC GROUNDWATER ELEVATION (MOST RECENT)
- GROUNDWATER ELEVATION AT TIME OF DRILLING
- TEMPORARY SCREEN INTERVAL
- WELL SCREEN INTERVAL

ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

[**8/22/2018|<100|<260|<410|<1.0|---] = GROUNDWATER ANALYTICAL RESULT [DATE SAMPLED|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES]

** = DENOTES SAMPLE IS RECONNAISSANCE GROUNDWATER

ALL SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

+++ = GRO REPORTED AT CONCENTRATION OF 2,100 µg/l; HOWEVER, RE-EVALUATION BY THE ANALYTICAL LABORATORY INDICATED THAT THE REPORTED CONCENTRATION WAS NOT SIMILAR TO A TYPICAL GAS

[5.0'|<5.4|<31|<61|<0.020|---|---] = SOIL ANALYTICAL RESULT [DEPTH IN FEET BELOW GROUND SURFACE|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES|cPAH TEC]

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS

DRO = TPH AS DIESEL-RANGE ORGANICS

ORO = TPH AS OIL-RANGE ORGANICS

TOTAL NAPHTHALENES = SUM OF NAPHTHALENE, 1-METHYLNAPHTHALENE, AND 2-METHYLNAPHTHALENE

cPAH TEC = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS TOXIC EQUIVALENT CONCENTRATION

**BOLD** = INDICATES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCA) CLEANUP LEVEL

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

- APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER
- ESTIMATED EXTENT OF SOIL EXCEEDING MTCA CLEANUP LEVELS
- ESTIMATED EXTENT OF GROUNDWATER EXCEEDING MTCA CLEANUP LEVELS

5'
0'
0'
10'

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# FIGURE 18

CROSS SECTION D-D'
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN:397-019

Drawn By: NM | Checked By: CS | Date: 1/22/2020

I:\Projects\397-019\CAD\Figures\Additional Data Package Summary\397-019 X Section - Add Data.dwg, 1/22/2020 9:31 AM, Nick Miller)

WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134

17.20

FMW-149
(17.20)

17.20

17.10

17.10

FMW-136

FMW-148
(NM)

FMW-130

FMW-147
(17.04)

17.00

16.90

FMW-144
(16.99)

17.10

FMW-146
(16.81)

16.90

17.00

FMW-135

17.20

17.30

FMW-145
(17.32)

BLOCK 38 WEST

17.20

17.10

17.00

FMW-132

FMW-133

ALLEYWAY

BLOCK 38 EAST

## LEGEND

- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL

17.00 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

17.32 GROUNDWATER ELEVATION (DECEMBER 23, 2019)

(NM) GROUNDWATER ELEVATION NOT MEASURED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

LOT LINE

PROPERTY BOUNDARY

KING COUNTY PARCEL BOUNDARY

N

0 30

SCALE IN FEET

NOTES:
ALL LOCATIONS ARE APPROXIMATE.
FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.
ELEVATION DATA PRESENTED IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 ( NAVD88)

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# FIGURE 19

GROUNDWATER CONTOURS FOR DECEMBER 23, 2019
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: jjones | Checked By: CS | Date: 1/21/2020 | Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\014D Meeting_20200115\Figure-19_GW_Contours_20191223.mxd

WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134

FMW-149
(17.07)

FMW-136

FMW-148
(NM)

FMW-130

FMW-147
(17.07)

FMW-144
(17.15)

FMW-146
(17.05)

FMW-135

FMW-132

FMW-133

FMW-145
(17.25)

17.10

17.15

17.20

BLOCK 38 WEST

ALLEYWAY

BLOCK 38 EAST

## LEGEND

- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL

(17.07) GROUNDWATER ELEVATION (DECEMBER 26, 2019)

(NM) GROUNDATER ELEVATION NOT MEASURED

17.10 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

LOT LINE

PROPERTY BOUNDARY

KING COUNTY PARCEL BOUNDARY

N

0 30

SCALE IN FEET

NOTES:
ALL LOCATIONS ARE APPROXIMATE.
FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.
ELEVATION DATA PRESENTED IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 ( NAVD88)

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# FIGURE 20

GROUNDWATER CONTOURS FOR DECEMBER 26, 2019
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: jjones | Checked By: CS | Date: 1/21/2020 | Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\014D Meeting_20200115\Figure-20_GW_Contours_20191226.mxd

WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134

17.03 FMW-149 (17.03)

17.08 FMW-144 (17.08)

FMW-135

FMW-145 (17.10)

BLOCK 38 WEST

16.98

17.08

FMW-130

FMW-136

FMW-148 (NM)

FMW-147 (16.94)

16.98

FMW-146 (17.01)

17.03

FMW-132

FMW-133

ALLEYWAY

BLOCK 38 EAST

## LEGEND

- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL

17.08 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

17.10 GROUNDWATER ELEVATION (DECEMBER 30, 2019)

(NM) GROUNDWATER ELEVATION NOT MEASURED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

LOT LINE

PROPERTY BOUNDARY

KING COUNTY PARCEL BOUNDARY

N

0 30

SCALE IN FEET

NOTES:
ALL LOCATIONS ARE APPROXIMATE.
FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.
ELEVATION DATA PRESENTED IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 ( NAVD88)

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# FIGURE 21

GROUNDWATER CONTOURS FOR DECEMBER 30, 2019
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: jjones | Checked By: CS | Date: 1/21/2020 | Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\014D Meeting_20200115\Figure-21_GW_Contours_20191230.mxd

WESTLAKE AVENUE NORTH

MERCER STREET

FMW-134

FMW-149
(17.29)

FMW-136

FMW-148
(NM)

FMW-130

FMW-147
(17.12)

FMW-144
(17.14)

FMW-135

FMW-146
(17.30)

FMW-132

FMW-133

FMW-145
(17.27)

17.25

17.20

17.15

BLOCK 38 WEST

ALLEYWAY

BLOCK 38 EAST

## LEGEND

- SHALLOW WATER-BEARING ZONE MONITORING WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE WELL (TO BE DECOMMISSIONED)
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL

(17.27) GROUNDWATER ELEVATION (DECEMBER 31, 2019)

(NM) GROUNDWATER ELEVATION NOT MEASURED

17.27 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

LOT LINE

PROPERTY BOUNDARY

KING COUNTY PARCEL BOUNDARY

N

0 30

SCALE IN FEET

NOTES:
ALL LOCATIONS ARE APPROXIMATE.
FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.
ELEVATION DATA PRESENTED IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 ( NAVD88)

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# FIGURE 22

GROUNDWATER CONTOURS FOR DECEMBER 31, 2019
BLOCK 38 WEST PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: jjones
Checked By: CS
Date: 1/22/2020
Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019 Block38\Mapfiles\014D Meeting 20200115\Figure-22 GW Contours 20191231.mxd

# TABLES

SUBSURFACE INVESTIGATION RESULTS
Block 38 West Property
500 through 536 Westlake Avenue North
Seattle, Washington

Farallon PN: 397-019

**Table 1**
**Soil Analytical Results for TPH and BTEX**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Identification | Sample Depth (feet)[1] | Sample Elevation (feet NAVD88)[1] | Sample Date | Analytical Results (milligrams per kilogram) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NWTPH-Dx[2] | | NWTPH-Dx with Silica Gel[2] | | NWTPH-Gx[3] | EPA Method 8021B[4] | | | |
| | | | | | DRO | ORO | DRO | ORO | GRO | Benzene | Toluene | Ethylbenzene | Xylenes |
| FB-01 | FB-01-5.0-082118 | 5.0 | 21.3 | 8/21/2018 | 520 | **3,700** | 510 N | 1,100 | < 6.2 | < 0.020 | < 0.062 | < 0.062 | < 0.124 |
| | FB-01-15.0-082118 | 15.0 | 11.3 | 8/21/2018 | < 40 | 250 | < 40 | < 81 | < 9.1 | < 0.020 | < 0.091 | < 0.091 | < 0.182 |
| | FB-01-30.0-082118 | 30.0 | -3.7 | 8/21/2018 | < 29 | < 58 | --- | --- | < 5.1 | < 0.020 | < 0.051 | < 0.051 | < 0.102 |
| FB-02 | FB-02-5.0-082018 | 5.0 | 20.1 | 8/20/2018 | 280 N | 670 | --- | --- | < 5.4 | < 0.020 | < 0.054 | < 0.054 | < 0.108 |
| | FB-02-10.0-082018 | 10.0 | 15.1 | 8/20/2018 | < 61 | 270 | --- | --- | < 19 | < 0.037 | < 0.19 | < 0.19 | < 0.38 |
| | FB-02-25.0-082018 | 25.0 | 0.1 | 8/20/2018 | < 30 | < 60 | --- | --- | < 5.2 | < 0.020 | < 0.052 | < 0.052 | < 0.104 |
| | FB-02-35.0-082018 | 35.0 | -9.9 | 8/20/2018 | < 31 | < 62 | --- | --- | < 5.8 | < 0.020 | < 0.058 | < 0.058 | < 0.116 |
| FB-03 | FB-03-10.0-082318 | 10.0 | 15.8 | 8/23/2018 | < 32 | < 65 | --- | --- | < 6.5 | < 0.020 | < 0.065 | < 0.065 | < 0.130 |
| | FB-03-15.0-082318 | 15.0 | 10.8 | 8/23/2018 | < 32 | < 65 | --- | --- | < 6.5 | < 0.020 | < 0.065 | < 0.065 | < 0.130 |
| | FB-03-25.0-082318 | 25.0 | 0.8 | 8/23/2018 | < 29 | < 59 | --- | --- | < 5.5 | < 0.020 | < 0.055 | < 0.055 | < 0.110 |
| FB-04 | FB-04-5.0-082118 | 5.0 | 17.0 | 8/21/2018 | 97 N | 540 | --- | --- | < 16 | < 0.033 | < 0.16 | < 0.16 | < 0.32 |
| | FB-04-20.0-082118 | 20.0 | 2.0 | 8/21/2018 | < 29 | < 58 | --- | --- | < 5.3 | < 0.020 | < 0.053 | < 0.053 | < 0.106 |
| | FB-04-30.0-082118 | 30.0 | -8.0 | 8/21/2018 | < 30 | < 59 | --- | --- | < 5.5 | < 0.020 | < 0.055 | < 0.055 | < 0.110 |
| FB-05 | FB-05-5.0-082218 | 5.0 | 20.5 | 8/22/2018 | < 31 | < 61 | --- | --- | < 5.4 | < 0.020 | < 0.054 | < 0.054 | < 0.108 |
| | FB-05-20.0-082218 | 20.0 | 5.5 | 8/22/2018 | < 31 | < 61 | --- | --- | < 5.5 | < 0.020 | < 0.055 | < 0.055 | < 0.110 |
| | FB-05-35.0-082218 | 35.0 | -9.5 | 8/22/2018 | < 31 | < 62 | --- | --- | < 5.8 | < 0.020 | < 0.058 | < 0.058 | < 0.116 |
| FB-06 | FB-06-2.5-082218 | 2.5 | 22.9 | 8/22/2018 | 180 | 310 | --- | --- | 17 T | < 0.024 | < 0.12 | < 0.12 | < 0.24 |
| | FB-06-20.0-082218 | 20.0 | 5.4 | 8/22/2018 | < 30 | < 61 | --- | --- | < 5.3 | < 0.020 | < 0.053 | < 0.053 | < 0.106 |
| FB-07 | FB-07-24 | 24.0 | -0.5 | 12/21/2019 | < 30 | < 60 | --- | --- | < 6.0 | < 0.020 | < 0.060 | < 0.060 | < 0.12 |
| | FB-07-29 | 29.0 | -5.5 | 12/21/2019 | < 30 | < 60 | --- | --- | < 5.4 | < 0.020 | < 0.054 | < 0.054 | < 0.108 |
| | FB-07-31.5 | 31.5 | -8.0 | 12/21/2019 | < 30 | < 60 | --- | --- | < 5.6 | < 0.020 | < 0.056 | < 0.056 | < 0.112 |
| FB-08 | FB-08-2.5 | 2.5 | 21.2 | 12/21/2019 | 1,700 N | **4,500** | --- | --- | 23 O | **0.12** | 0.49 | 0.13 | 0.94 |
| | FB-08-8 | 8.0 | 15.7 | 12/21/2019 | < 29 | < 58 | --- | --- | < 5.2 | < 0.020 | < 0.052 | < 0.052 | < 0.104 |
| | FB-08-13 | 13.0 | 10.7 | 12/21/2019 | < 31 | < 61 | --- | --- | 15 T | < 0.020 | < 0.064 | < 0.064 | < 0.128 |
| | FB-08-18 | 18.0 | 5.7 | 12/21/2019 | < 29 | < 58 | --- | --- | < 6.1 | < 0.020 | < 0.061 | < 0.061 | < 0.122 |
| | FB-08-30.5 | 30.5 | -6.9 | 12/21/2019 | < 31 | < 61 | --- | --- | < 6.0 | < 0.020 | < 0.060 | < 0.060 | < 0.12 |
| FB-09 | FB-09-11 | 11.0 | 12.7 | 12/21/2019 | < 58 | 220 | --- | --- | < 20 | < 0.039 | < 0.20 | < 0.20 | < 0.4 |
| | FB-09-33 | 33.0 | -9.4 | 12/21/2019 | < 31 | < 62 | --- | --- | < 5.8 | < 0.020 | < 0.058 | < 0.058 | < 0.116 |
| FMW-130 | F-MW-130-20.0-072114 | 20.0 | 2.2 | 7/21/2014 | < 30 | < 60 | --- | --- | < 8.8 | < 0.020 | < 0.088 | < 0.088 | < 0.176 |
| FMW-132 | FMW-132-5.0-082418 | 5.0 | 20.7 | 8/24/2018 | 730 | **2,600** | --- | --- | < 8.4 | < 0.020 | < 0.084 | < 0.084 | < 0.168 |
| FMW-133 | FMW-133-10.0-082418 | 10.0 | 15.3 | 8/24/2018 | < 83 | 470 | --- | --- | < 28 | < 0.057 | < 0.28 | < 0.28 | < 0.56 |
| FMW-134 | FMW-134-5.0-082318 | 5.0 | 20.4 | 8/23/2018 | 260 | 1,900 | --- | --- | < 30 | < 0.059 | < 0.30 | < 0.30 | < 0.60 |
| | FMW-134-15.0-082318 | 15.0 | 10.4 | 8/23/2018 | < 31 | < 61 | --- | --- | < 12 | < 0.023 | < 0.12 | < 0.12 | < 0.24 |
| FMW-135 | FMW-135-15.0-082418 | 15.0 | 10.6 | 8/24/2018 | 130 | 680 | --- | --- | < 28 | < 0.055 | < 0.28 | < 0.28 | < 0.56 |
| | FMW-135-35.0-082418 | 35.0 | -9.4 | 8/24/2018 | < 31 | < 62 | --- | --- | < 5.8 | < 0.020 | < 0.058 | < 0.058 | < 0.116 |
| **Screening Levels[5]** | | | | | **2,000** | **2,000** | **2,000** | **2,000** | **30/100[6]** | **0.03** | **7** | **6** | **9** |

**Table 1**
**Soil Analytical Results for TPH and BTEX**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Identification | Sample Depth (feet)[1] | Sample Elevation (feet NAVD88)[1] | Sample Date | Analytical Results (milligrams per kilogram) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NWTPH-Dx[2] | | NWTPH-Dx with Silica Gel[2] | | NWTPH-Gx[3] | EPA Method 8021B[4] | | | |
| | | | | | DRO | ORO | DRO | ORO | GRO | Benzene | Toluene | Ethylbenzene | Xylenes |
| FMW-136 | FMW-136-10.0-082218 | 10.0 | 15.1 | 8/22/2018 | < 38 | < 76 | --- | --- | < 9.0 | < 0.020 | < 0.090 | < 0.090 | < 0.18 |
| | FMW-136-20.0-082218 | 20.0 | 5.1 | 8/22/2018 | < 32 | < 63 | --- | --- | < 6.4 | < 0.020 | < 0.064 | < 0.064 | < 0.128 |
| | FMW-136-30.0-082218 | 30.0 | -4.9 | 8/22/2018 | < 30 | < 59 | --- | --- | < 5.2 | < 0.020 | < 0.052 | < 0.052 | < 0.104 |
| FMW-144 | FWM-144-9.0 | 9.0 | 20.4 | 12/20/2019 | < 52 | 110 | --- | --- | < 18 | < 0.036 | < 0.18 | < 0.18 | < 0.36 |
| FMW-145 | FMW-145-13.0 | 13.0 | 9.9 | 12/20/2019 | 650 | 1,400 | --- | --- | **83 O** | < 0.020 | < 0.075 | < 0.075 | < 0.15 |
| | FMW-145-18.0 | 18.0 | 4.9 | 12/20/2019 | 58 N | 210 | --- | --- | < 28 U1 | < 0.020 | < 0.080 | < 0.080 | < 0.16 |
| | FMW-145-23.0 | 23.0 | -0.1 | 12/20/2019 | < 30 | < 60 | --- | --- | < 5.3 | < 0.020 | < 0.053 | < 0.053 | < 0.106 |
| | FMW-145-28.0 | 28.0 | -5.1 | 12/20/2019 | < 31 | < 61 | --- | --- | < 6.5 | < 0.020 | < 0.065 | < 0.065 | < 0.13 |
| | FMW-145-30.5 | 30.5 | -7.6 | 12/20/2019 | < 29 | < 57 | --- | --- | < 4.8 | < 0.020 | < 0.048 | < 0.048 | < 0.096 |
| | FMW-145-33.0 | 33.0 | -10.1 | 12/20/2019 | < 31 | < 61 | --- | --- | < 5.5 | < 0.020 | < 0.055 | < 0.055 | < 0.11 |
| FMW-146 | FMW-146-13.0 | 13.0 | 10.2 | 12/21/2019 | < 34 | < 69 | --- | --- | < 7.0 | < 0.020 | < 0.070 | < 0.070 | < 0.14 |
| | FMW-146-18.0 | 18.0 | 5.2 | 12/21/2019 | < 31 | < 62 | --- | --- | < 5.4 | < 0.020 | < 0.054 | < 0.054 | < 0.108 |
| FMW-147 | FMW-147-8.5 | 8.5 | 14.3 | 12/21/2019 | < 120 | 1,100 | --- | --- | < 51 | < 0.10 | < 0.51 | < 0.51 | < 1.02 |
| | FMW-147-13.5 | 13.5 | 9.3 | 12/21/2019 | < 31 | < 61 | --- | --- | < 5.5 | < 0.020 | < 0.055 | < 0.055 | < 0.11 |
| | FMW-147-23.5 | 23.5 | -0.7 | 12/21/2019 | < 30 | < 61 | --- | --- | < 5.1 | < 0.020 | < 0.051 | < 0.051 | < 0.102 |
| | FMW-147-30.5 | 30.5 | -7.7 | 12/21/2019 | < 30 | < 61 | --- | --- | < 6.4 | < 0.020 | < 0.064 | < 0.064 | < 0.128 |
| FMW-148 | FMW-148-27.0 | 27.0 | 10.4 | 12/22/2019 | < 31 | < 63 | --- | --- | < 5.7 | < 0.020 | < 0.057 | < 0.057 | < 0.114 |
| FMW-149 | FMW-149-21.0 | 21.0 | 15.2 | 12/22/2019 | < 33 | < 66 | --- | --- | < 7.0 | < 0.020 | < 0.070 | < 0.070 | < 0.14 |
| | FMW-149-31.0 | 31.0 | 5.2 | 12/22/2019 | < 31 | < 63 | --- | --- | < 6.3 | < 0.020 | < 0.063 | < 0.063 | < 0.126 |
| | FMW-149-41.0 | 41.0 | -4.8 | 12/22/2019 | < 26 | < 53 | --- | --- | < 4.4 | < 0.020 | < 0.044 | < 0.044 | < 0.088 |
| | FMW-149-43.5 | 43.5 | -7.3 | 12/22/2019 | < 28 | < 56 | --- | --- | < 4.3 | < 0.020 | < 0.043 | < 0.043 | < 0.086 |
| H4 | H4-1.0-121319 | 1.0 | 22.7 | 12/13/2019 | 600 N | **5,000** | --- | --- | **31** | < 0.022 | < 0.11 | < 0.11 | < 0.22 |
| TP-2 | TP-2-20.0-121919 | 5.0 | 20.0 | 12/19/2019 | < 27 | 210 | --- | --- | < 4.2 | < 0.020 | < 0.042 | < 0.042 | < 0.084 |
| | TP-2-15.0-121919 | 10.0 | 15.0 | 12/19/2019 | **6,600** | **9,000** | --- | --- | < 420 U1 | < 0.026 | < 0.13 | < 0.13 | < 0.26 |
| TP-3 | TP-3-20.0-121919 | 5.0 | 20.0 | 12/19/2019 | < 29 | < 59 | --- | --- | < 5.2 | < 0.020 | < 0.052 | < 0.052 | < 0.104 |
| | TP-3-15.0-121919 | 10.0 | 15.0 | 12/19/2019 | < 160 | 1,700 | --- | --- | < 59 | < 0.12 | < 0.59 | < 0.59 | < 1.18 |
| TP-7 | TP-7-4.0 | 4.0 | 19.5 | 12/23/2019 | < 74 | 230 | --- | --- | < 25 | < 0.0044 | < 0.022 | < 0.0044 | < 0.0132 |
| **Screening Levels[5]** | | | | | **2,000** | **2,000** | **2,000** | **2,000** | **30/100[6]** | **0.03** | **7** | **6** | **9** |

NOTES:

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

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

— denotes sample not analyzed.

[1]Depth in feet below ground surface. Elevation in feet referenced to North American Vertical Datum of 1988 (NAVD88).

[2]Analyzed by Northwest Method NWTPH-Dx. Results denoted as analyzed by NWTPH-Dx with silica gel were analyzed using a sample extract treated with sulfuric acid/silica gel cleanup procedure.

[3]Analyzed by Northwest Method NWTPH-Gx.

[4]Analyzed by U.S. Environmental Protection Agency (EPA) Method 8021B.

[5]Washington State Model Toxics Control Act Cleanup Regulation Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

[6]Screening level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

GRO = TPH as gasoline-range organics

N = hydrocarbons in the oil range are impacting the diesel-range result

ORO = TPH as oil-range organics

O = hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result

T = the sample chromatogram is not similar to a typical gasoline standard

U1 = the practical quantitation limit is elevated due to interferences present in the sample

**Table 2**
**Soil Analytical Results for PAHs**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Identification | Sample Composition | Sample Depth (feet)[1] | Sample Elevation (feet NAVD88)[1] | Sample Date | Analytical Results (milligrams per kilogram)[2] | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Non-Carcinogenic PAHs | | | | | | | | | | | | Carcinogenic PAHs | | | | | | | |
| | | | | | | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Total Naphthalenes[3,5] | Acenaphthene | Acenaphthylene | Anthracene | Benzo(g,h,i)Perylene | Fluoranthene | Fluorene | Phenanthrene | Pyrene | Benzo(a)Pyrene | Benzo(a)Anthracene | Benzo(b)Fluoranthene | Benzo(j,k)Fluoranthene | Chrysene | Dibenzo(a,h)Anthracene | Indeno(1,2,3-c,d)Pyrene | Total cPAHs TEC[4,5] |
| FB-01 | FB-01-5.0-082118 | Soil | 5.0 | 21.3 | 8/21/2018 | 0.99 | 1.1 | 1.2 | 3.29 | 0.46 | 0.32 | 1.0 | 1.9 | 4.8 | 0.46 | 5.4 | 6.8 | 2.5 | 2.6 | 2.9 | 0.76 | 3.1 | 0.45 | 1.6 | **3.4** |
| | FB-01-15.0-082118 | Soil | 15.0 | 11.3 | 8/21/2018 | < 0.011 | < 0.011 | < 0.011 | < 0.033 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.008 |
| FB-02 | FB-02-5.0-082018 | Soil | 5.0 | 20.1 | 8/20/2018 | 1.1 | 0.86 | 1.3 | 3.3 | 1.4 | 0.45 | 3.3 | 8.5 | 18 | 1.3 | 12 | 25 | 11 | 9.8 | 12 | 3.5 | 9.7 | 1.6 | 8.0 | **15** |
| | FB-02-25.0-082018 | Soil | 25.0 | 0.1 | 8/20/2018 | 0.083 | 0.020 | 0.024 | 0.127 | 0.027 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0060 |
| FB-03 | FB-03-10.0-082318 | Soil | 10.0 | 15.8 | 8/23/2018 | < 0.0086 | < 0.0086 | < 0.0086 | < 0.0258 | < 0.0086 | < 0.0086 | < 0.0086 | < 0.0086 | 0.011 | < 0.0086 | 0.015 | 0.012 | < 0.0086 | < 0.0086 | < 0.0086 | < 0.0086 | < 0.0086 | < 0.0086 | < 0.0086 | < 0.0065 |
| | FB-03-35.0-082318 | Soil | 35.0 | -9.2 | 8/23/2018 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.024 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | 0.015 | < 0.0080 | 0.017 | 0.017 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0060 |
| FB-04 | FB-04-10.0-082118 | Soil | 10.0 | 12.0 | 8/21/2018 | 0.12 | 0.057 | 0.099 | 0.276 | 0.21 | 0.045 | 0.29 | 0.21 | 0.97 | 0.22 | 1.0 | 1.1 | 0.36 | 0.67 | 0.47 | 0.18 | 0.95 | 0.041 | 0.19 | **0.52** |
| | FB-04-15.0-082118 | Soil | 15.0 | 7.0 | 8/21/2018 | 0.052 | 0.048 | 0.092 | 0.192 | 0.049 | < 0.0082 | 0.029 | 0.018 | 0.078 | 0.043 | 0.16 | 0.1 | 0.027 | 0.027 | 0.025 | 0.0099 | 0.028 | < 0.0082 | 0.017 | 0.036 |
| FB-05 | FB-05-15.0-082218 | Soil | 15.0 | 10.5 | 8/22/2018 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0267 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0089 | < 0.0067 |
| FB-06 | FB-06-2.5-082218 | Soil | 2.5 | 22.9 | 8/22/2018 | 0.087 | 0.044 | 0.045 | 0.176 | 0.13 | 0.042 | 0.20 | 0.35 | 0.81 | 0.094 | 0.89 | 1.1 | 0.49 | 0.47 | 0.52 | 0.17 | 0.50 | 0.054 | 0.34 | **0.65** |
| | FB-06-10.0-082218 | Soil | 10.0 | 15.4 | 8/22/2018 | < 0.016 H | < 0.016 H | < 0.016 H | < 0.048 | < 0.016 H | < 0.016 H | < 0.016 H | < 0.016 H | < 0.016 H | < 0.016 H | < 0.016 H | 0.020 H | < 0.016 H | < 0.016 H | < 0.016 H | < 0.016 H | < 0.016 H | < 0.016 H | < 0.016 H | < 0.012 |
| | FB-06-20.0-082218 | Soil | 20.0 | 5.4 | 8/22/2018 | 0.070 | < 0.0081 | < 0.0081 | 0.070 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| FB-07 | FB-07-24 | Soil | 24.0 | -0.5 | 12/21/2019 | 0.028 | < 0.0081 | < 0.0081 | 0.028 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| | FB-07-29 | Soil | 29.0 | -5.5 | 12/21/2019 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.024 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0060 |
| | FB-07-31.5 | Soil | 31.5 | -8.0 | 12/21/2019 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.024 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0060 |
| FB-08 | FB-08-2.5 | Soil | 2.5 | 21.2 | 12/21/2019 | 3.8 | 5.0 | 5.5 | **14.3** | --- | --- | --- | --- | --- | --- | --- | --- | 4.8 | 4.6 | 6.4 | 2.0 | 4.7 | 0.70 | 3.1 | **6.5** |
| | FB-08-8 | Soil | 8.0 | 15.7 | 12/21/2019 | 0.013 | < 0.0078 | 0.0089 | 0.022 | --- | --- | --- | --- | --- | --- | --- | --- | 0.015 | 0.013 | 0.017 | < 0.0078 | 0.015 | < 0.0078 | 0.011 | 0.020 |
| | FB-08-13 | Soil | 13.0 | 10.7 | 12/21/2019 | 4.6 | 1.9 | 2.3 | **8.8** | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0062 |
| | FB-08-18 | Soil | 18.0 | 5.7 | 12/21/2019 | 0.12 | 0.040 | 0.040 | 0.20 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0077 | < 0.0077 | < 0.0077 | < 0.0077 | < 0.0077 | < 0.0077 | < 0.0077 | < 0.0058 |
| | FB-08-30.5 | Soil | 30.5 | -6.9 | 12/21/2019 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.024 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| FB-09 | FB-09-11 | Soil | 11.0 | 12.7 | 12/21/2019 | < 0.015 | < 0.015 | < 0.015 | < 0.045 | --- | --- | --- | --- | --- | --- | --- | --- | 0.018 | < 0.015 | 0.021 | < 0.015 | < 0.015 | < 0.015 | < 0.015 | 0.023 |
| | FB-09-33 | Soil | 33.0 | -9.4 | 12/21/2019 | < 0.0083 | < 0.0083 | < 0.0083 | < 0.025 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0083 | < 0.0083 | < 0.0083 | < 0.0083 | < 0.0083 | < 0.0083 | < 0.0083 | < 0.0063 |
| FMW-130 | F-MW-130-20.0-072114 | Soil | 20.0 | 2.2 | 7/21/2014 | 0.38 | 0.016 | 0.028 | 0.424 | 0.014 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0060 |
| FMW-132 | FMW-132-5.0-082418 | Soil | 5.0 | 20.7 | 8/24/2018 | 2.0 | 2.0 | 2.6 | **6.6** | 1.5 | 0.10 | 3.3 | 4.4 | 15 | 0.84 | 18 | 27 | 9.4 | 11 | 10 | 2.9 | 13 | 1.4 | 4.1 | **12.5** |
| FMW-133 | FMW-133-10.0-082418 | Soil | 10.0 | 15.3 | 8/24/2018 | < 0.055 | < 0.055 | < 0.055 | < 0.165 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.055 | < 0.042 |
| | FMW-133-20.0-082418 | Soil | 20.0 | 5.3 | 8/24/2018 | 0.25 | 0.035 | 0.042 | 0.33 | 0.021 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0080 | < 0.0060 |
| FMW-134 | FMW-134-15.0-082318 | Soil | 15.0 | 10.4 | 8/23/2018 | 0.14 | 0.012 | 0.028 | 0.18 | 0.014 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | 0.016 | 0.021 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| FMW-135 | FMW-135-15.0-082418 | Soil | 15.0 | 10.6 | 8/24/2018 | 0.029 | < 0.022 | < 0.022 | 0.029 | 0.039 | < 0.022 | < 0.022 | < 0.022 | 0.042 | < 0.022 | 0.068 | 0.073 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.017 |
| | FMW-135-30.0-082418 | Soil | 30.0 | -4.4 | 8/24/2018 | 0.12 | 0.012 | < 0.0082 | 0.132 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0082 | < 0.0062 |
| FMW-136 | FMW-136-20.0-082218 | Soil | 20.0 | 5.1 | 8/22/2018 | 0.030 | < 0.0084 | < 0.0084 | 0.030 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0063 |
| FMW-144 | FWM-144-9.0 | Soil | 9.0 | 20.4 | 12/20/2019 | < 0.014 | < 0.014 | < 0.014 | < 0.042 | --- | --- | --- | --- | --- | --- | --- | --- | 0.085 | 0.033 | 0.088 | 0.025 | 0.032 | < 0.014 | 0.081 | **0.11** |
| FMW-145 | FMW-145-13.0 | Soil | 13.0 | 9.9 | 12/20/2019 | 0.075 | 0.17 | 0.056 | 0.301 | --- | --- | --- | --- | --- | --- | --- | --- | 0.063 | 0.062 | 0.060 | 0.018 | 0.11 | 0.011 | 0.037 | 0.083 |
| | FMW-145-18.0 | Soil | 18.0 | 4.9 | 12/20/2019 | 0.018 | 0.054 | 0.044 | 0.116 | --- | --- | --- | --- | --- | --- | --- | --- | 0.055 | 0.051 | 0.051 | 0.016 | 0.066 | < 0.0096 | 0.035 | 0.071 |
| | FMW-145-23.0 | Soil | 23.0 | -0.1 | 12/20/2019 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0237 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0079 | < 0.0060 |
| | FMW-145-28.0 | Soil | 28.0 | -5.1 | 12/20/2019 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0243 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| | FMW-145-30.5 | Soil | 30.5 | -7.6 | 12/20/2019 | < 0.0076 | < 0.0076 | < 0.0076 | < 0.0228 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0076 | < 0.0076 | < 0.0076 | < 0.0076 | < 0.0076 | < 0.0076 | < 0.0076 | < 0.0057 |
| | FMW-145-33.0 | Soil | 33.0 | -10.1 | 12/20/2019 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0243 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| FMW-146 | FMW-146-13.0 | Soil | 13.0 | 10.2 | 12/21/2019 | 0.25 | 0.33 | 0.18 | 0.76 | --- | --- | --- | --- | --- | --- | --- | --- | 0.050 | 0.060 | 0.054 | 0.015 | 0.059 | < 0.0091 | 0.031 | 0.067 |
| | FMW-146-18.0 | Soil | 18.0 | 5.2 | 12/21/2019 | 0.20 | 0.13 | 0.12 | 0.45 | --- | --- | --- | --- | --- | --- | --- | --- | 0.031 | 0.034 | 0.031 | 0.0084 | 0.035 | < 0.0082 | 0.018 | 0.041 |
| **Screening Levels[6]** | | | | | | | | | **5** | **4,800[7]** | **NE** | **24,000[7]** | **NE** | **3,200[7]** | **3,200[7]** | **NE** | **2,400[7]** | | | | | | | | **0.1** |

# Table 2
# Soil Analytical Results for PAHs
# Block 38 West Property
# Seattle, Washington
# Farallon PN: 397-019

| Sample Location | Sample Identification | Sample Composition | Sample Depth (feet)[1] | Sample Elevation (feet NAVD88)[1] | Sample Date | Analytical Results (milligrams per kilogram)[2] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Non-Carcinogenic PAHs | | | | | | | | | | | Carcinogenic PAHs | | | | | | | |
| | | | | | | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Total Naphthalenes[3,5] | Acenaphthene | Acenaphthylene | Anthracene | Benzo(g,h,i)Perylene | Fluoranthene | Fluorene | Phenanthrene | Pyrene | Benzo(a)Pyrene | Benzo(a)Anthracene | Benzo(b)Fluoranthene | Benzo(j,k)Fluoranthene | Chrysene | Dibenzo(a,h)Anthracene | Indeno(1,2,3-c,d)Pyrene | Total cPAHs TEC[4,5] |
| FMW-147 | FMW-147-8.5 | Soil | 8.5 | 14.3 | 12/21/2019 | 0.095 | < 0.031 | 0.035 | 0.13 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.079 U1 | 0.054 | 0.042 | < 0.031 | 0.048 | < 0.031 | < 0.031 | 0.054 |
| | FMW-147-13.5 | Soil | 13.5 | 9.3 | 12/21/2019 | 0.10 | < 0.0081 | < 0.0081 | 0.10 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| | FMW-147-23.5 | Soil | 23.5 | -0.7 | 12/21/2019 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0243 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| | FMW-147-30.5 | Soil | 30.5 | -7.7 | 12/21/2019 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0243 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0081 | < 0.0061 |
| FMW-148 | FMW-148-27.0 | Soil | 27.0 | 10.4 | 12/22/2019 | 0.38 | 0.056 | 0.11 | 0.546 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0063 |
| FMW-149 | FMW-149-21.0 | Soil | 21.0 | 15.2 | 12/22/2019 | < 0.0088 | < 0.0088 | < 0.0088 | < 0.0264 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0088 | < 0.0088 | < 0.0088 | < 0.0088 | < 0.0088 | < 0.0088 | < 0.0088 | < 0.0066 |
| | FMW-149-31.0 | Soil | 31.0 | 5.2 | 12/22/2019 | 0.044 | 0.010 | 0.013 | 0.067 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0084 | < 0.0063 |
| | FMW-149-41.0 | Soil | 41.0 | -4.8 | 12/22/2019 | < 0.0070 | < 0.0070 | < 0.0070 | < 0.021 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0070 | < 0.0070 | < 0.0070 | < 0.0070 | < 0.0070 | < 0.0070 | < 0.0070 | < 0.0053 |
| | FMW-149-43.5 | Soil | 43.5 | -7.3 | 12/22/2019 | < 0.0075 | < 0.0075 | < 0.0075 | < 0.0225 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0075 | < 0.0075 | < 0.0075 | < 0.0075 | < 0.0075 | < 0.0075 | < 0.0075 | < 0.0057 |
| TP-3 | TP-3-20.0-121918 | Soil | 5.0 | 20.0 | 12/19/2019 | < 0.0078 | < 0.0078 | < 0.0078 | < 0.0234 | < 0.0078 | < 0.0078 | < 0.0078 | 0.0087 | 0.026 | < 0.0078 | 0.016 | 0.028 | 0.015 | 0.012 | 0.014 | < 0.0078 | 0.012 | < 0.0078 | 0.0089 | 0.019 |
| | TP-3-15.0-121919 | Soil | 10.0 | 15.0 | 12/19/2019 | < 0.041 | < 0.041 | < 0.041 | < 0.123 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.041 | < 0.031 |
| TP-7 | TP-7-4.0 | Soil | 4.0 | 19.5 | 12/23/2019 | 0.061 | < 0.020 | < 0.020 | 0.061 | --- | --- | --- | --- | --- | --- | --- | --- | 0.031 | 0.033 | 0.044 | < 0.020 | 0.067 | < 0.020 | 0.025 | 0.044 |
| **Screening Levels[6]** | | | | | | | | | **5** | **4,800[7]** | **NE** | **24,000[7]** | **NE** | **3,200[7]** | **3,200[7]** | **NE** | **2,400[7]** | | | | | | | | **0.1** |

NOTES:

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

— denotes sample not analyzed.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface. Elevation in feet referenced to North American Vertical Datum of 1988 (NAVD88).

[2]Analyzed by U.S. Environmental Protection Agency Method 8270D/SIM.

[3]Sum of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

[4]Total cPAHs derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.

[5]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate total. If all constituent concentrations are non-detect, calculated total is indicated non-detect.

[6]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

[7]Washington State Department of Ecology Cleanup Levels and Risk Calculations, under MTCA Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

H = sample analyzed outside of holding time

NE = not established

PAHs = polycyclic aromatic hydrocarbons

TEC = toxic equivalent concentration

**Table 3**
**Soil Analytical Results for Select VOCs**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Identification | Sample Depth (feet)[1] | Sample Elevation (feet NAVD88)[1] | Sample Date | Analytical Results (milligrams per kilogram)[2] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | PCE | TCE | cis-1,2-DCE | trans-1,2-DCE | Vinyl Chloride | 1,2-DBA | 1,2-DCA | MTBE |
| FB-02 | FB-02-10.0-082018 | 10.0 | 15.1 | 8/20/2018 | < 0.0028 | < 0.0028 | < 0.0028 | < 0.0028 | < 0.0028 | --- | --- | --- |
| | FB-02-25.0-082018 | 25.0 | 0.1 | 8/20/2018 | < 0.00085 | < 0.00085 | < 0.00085 | < 0.00085 | < 0.00085 | --- | --- | --- |
| FB-04 | FB-04-20.0-082118 | 20.0 | 2.0 | 8/21/2018 | < 0.00093 | < 0.00093 | < 0.00093 | < 0.00093 | < 0.00093 | --- | --- | --- |
| FB-05 | FB-05-20.0-082218 | 20.0 | 5.5 | 8/22/2018 | < 0.00090 | < 0.00090 | < 0.00090 | < 0.00090 | < 0.00090 | --- | --- | --- |
| FMW-135 | FMW-135-50.0-082418 | 50.0 | -24.4 | 8/24/2018 | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 | --- | --- | --- |
| FMW-136 | FMW-136-10.0-082218 | 10.0 | 15.1 | 8/22/2018 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 | < 0.0015 | --- | --- | --- |
| | FMW-136-20.0-082218 | 20.0 | 5.1 | 8/22/2018 | < 0.00094 | < 0.00094 | < 0.00094 | < 0.00094 | < 0.00094 | --- | --- | --- |
| TP-7 | TP-7-4.0 | 4.0 | 19.5 | 12/23/2019 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 |
| **Screening Levels[3]** | | | | | **0.05** | **0.03** | **160[4]** | **1,600[4]** | **0.67[4]** | **0.0053** | **11[4]** | **0.1[3]** |

NOTES:

Results in **bold** denote concentrations exceeding applicable screening levels.
— denotes sample not analyzed.
< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface. Elevation in feet referenced to North American Vertical Datum of 1988 (NAVD88).
[2]Analyzed by U.S. Environmental Protection Agency Method 8260C or 8260D.
[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.
[4]Washington State Cleanup Levels and Risk Calculations under MTCA Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

VOC = volatile organic compound
DBA = dibromoethane
DCE = dichloroethene
DCA = dichloroethane
MTBE = methyl tertiary butyl ether
PCE = tetrachloroethene
TCE = trichloroethene

# Table 4
# Soil Analytical Results for PCBs
# Block 38 West Property
# Seattle, Washington
# Farallon PN: 397-019

| Sample Location | Sample Identification | Sample Depth (feet)[1] | Sample Elevation (feet NAVD88)[1] | Sample Date | Analytical Results (milligrams per kilogram)[2] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Aroclor 1016 | Aroclor 1221 | Aroclor 1232 | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Total PCBs[3] |
| TP-7 | TP-7-4.0 | 4.0 | 19.5 | 12/23/2019 | < 0.15 | < 0.15 | < 0.15 | < 0.15 | < 0.15 | < 0.15 | < 0.15 | < 0.525 |
| **Screening Levels[4]** | | | | | | | | | | | | **1.0** |

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

PCB = polychlorinated biphenyl

[1]Depth in feet below ground surface. Elevation in feet referenced to North American Vertical Datum of 1988 (NAVD88).

[2]Analyzed by U.S. Environmental Protection Agency Method 8082A.

[3]For non-detected results, half the reporting limit was used to calculate total PCBs.

[4]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

**Table 5**
**Soil Analytical Results for Metals**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Identification | Sample Depth (feet) [1] | Sample Elevation (feet NAVD88) [1] | Sample Date | Analytical Results (milligrams per kilogram)[2] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Arsenic | Barium | Cadmium | Chromium | Lead | Mercury | Selenium | Silver |
| FB-01 | FB-01-15.0-082118 | 15.0 | 11.3 | 8/21/2018 | < 16 | 110 | < 0.81 | 60 | < 8.1 | < 0.40 | < 16 | < 1.6 |
| FB-02 | FB-02-10.0-082018 | 10.0 | 15.1 | 8/20/2018 | < 12 | 190 | < 1.2 | 36 | 24 | 1.2 | < 12 | < 2.5 |
| FB-03 | FB-03-10.0-082318 | 10.0 | 15.8 | 8/23/2018 | < 13 | 230 | < 0.65 | 100 | 8.9 | < 0.32 | < 13 | < 1.3 |
| | FB-03-35.0-082318 | 35.0 | -9.2 | 8/23/2018 | < 12 | 44 | < 0.60 | 42 | < 6.0 | < 0.30 | < 12 | < 1.2 |
| FB-04 | FB-04-5.0-082118 | 5.0 | 17.0 | 8/21/2018 | < 11 | 290 | < 1.1 | 53 | 56 | < 0.55 | < 11 | < 2.2 |
| FB-05 | FB-05-35.0-082218 | 35.0 | -9.5 | 8/22/2018 | < 12 | 58 | < 0.62 | 38 | < 6.2 | < 0.31 | < 12 | < 1.2 |
| FMW-133 | FMW-133-10.0-082418 | 10.0 | 15.3 | 8/24/2018 | < 17 | 200 | < 1.7 | 29 | 18 | < 0.83 | < 17 | < 3.3 |
| | FMW-133-20.0-082418 | 20.0 | 5.3 | 8/24/2018 | < 12 | 50 | < 0.60 | 27 | < 6.0 | < 0.30 | < 12 | < 1.2 |
| FMW-134 | FMW-134-5.0-082318 | 5.0 | 20.4 | 8/23/2018 | < 17 | 110 | < 1.7 | 19 | < 17 | < 0.83 | < 17 | < 3.3 |
| | FMW-134-15.0-082318 | 15.0 | 10.4 | 8/23/2018 | < 12 | 48 | < 0.61 | 42 | < 6.1 | < 0.30 | < 12 | < 1.2 |
| FMW-135 | FMW-135-5.0-082418 | 5.0 | 20.6 | 8/24/2018 | < 12 | 120 | < 0.61 | 48 | 16 | < 0.31 | < 12 | < 1.2 |
| | FMW-135-25.0-082418 | 25.0 | 0.6 | 8/24/2018 | < 14 | 120 | < 0.69 | 60 | < 6.9 | < 0.35 | < 14 | < 1.4 |
| | FMW-135-30.0-082418 | 30.0 | -4.4 | 8/24/2018 | < 12 | 66 | < 0.62 | 44 | < 6.2 | < 0.31 | < 12 | < 1.2 |
| FMW-136 | FMW-136-20.0-082218 | 20.0 | 5.1 | 8/22/2018 | < 13 | 46 | < 0.63 | 42 | < 6.3 | < 0.32 | < 13 | < 1.3 |
| | FMW-136-30.0-082218 | 30.0 | -4.9 | 8/22/2018 | < 12 | 45 | < 0.59 | 41 | < 5.9 | < 0.30 | < 12 | < 1.2 |
| TP-7 | TP-7-4.0 | 4.0 | 19.5 | 12/23/2019 | --- | --- | --- | --- | 33 | --- | --- | --- |
| **Screening Levels[3]** | | | | | **20** | **16,000[4]** | **2** | **2,000** | **250** | **2** | **400[4]** | **400[4]** |

NOTES:

Results in **bold** denote concentrations exceeding applicable screening levels.
< denotes analyte not detected at or exceeding the laboratory reporting limit listed.
— denotes sample not analyzed.

[1]Depth in feet below ground surface. Elevation in feet referenced to North American Vertical Datum of 1988 (NAVD88).
[2]Analyzed by U.S. Environmental Protection Agency Methods 6010D/7471B.
[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013, unless otherwise noted.
[4]Washington State Department of Ecology Cleanup Levels and Risk Calculations, under MTCA Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

**Table 6**
**Groundwater Elevations**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Location | Screened Interval (feet bgs)[1] | Screened Interval (feet NAVD88)[2] | Top of Casing Elevation (feet NAVD88)[2] | Measurement Date | Depth to Water (feet)[3] | Water Level Elevation (feet NAVD88)[2] |
|---|---|---|---|---|---|---|
| FMW-130 | 45.0 to 55.0 | -22.8 to -32.8 | 21.86 | 8/30/2018 | 5.14 | 16.72 |
| | | | | 12/28/2018 | 4.98 | 16.88 |
| | | | | 3/26/2019 | 4.42 | 17.44 |
| FMW-132 | 5.0 to 10.0 | 20.7 to 15.7 | 25.48 | 8/30/2018 | 7.44 | 18.04 |
| | | | | 12/28/2018 | 6.80 | 18.68 |
| | | | | 3/26/2019 | 7.01 | 18.47 |
| FMW-133 | 6.5 to 11.5 | 18.8 to 13.8 | 24.87 | 8/30/2018 | 6.86 | 18.01 |
| | | | | 12/28/2018 | 6.21 | 18.66 |
| | | | | 3/26/2019 | 6.41 | 18.46 |
| FMW-134 | 12.0 to 17.0 | 13.4 to 8.4 | 24.98 | 8/30/2018 | 8.66 | 16.32 |
| | | | | 12/28/2018 | 7.80 | 17.18 |
| | | | | 3/26/2019 | 7.51 | 17.47 |
| FMW-135 | 7.0 to 12.0 | 18.6 to 13.6 | 25.29 | 8/30/2018 | 7.14 | 18.15 |
| | | | | 12/28/2018 | 6.78 | 18.51 |
| | | | | 3/26/2019 | 6.81 | 18.48 |
| FMW-136 | 30.0 to 40.0 | -4.9 to -14.9 | 24.79 | 8/30/2018 | 8.10 | 16.69 |
| | | | | 12/28/2018 | 7.74 | 17.05 |
| | | | | 3/26/2019 | 7.41 | 17.38 |
| FMW-137 | 72.0 to 85.0 | -41.9 to -54.9 | 30.09 | 11/20/2018 | 13.02 | 17.07 |
| | | | | 12/28/2018 | 12.74 | 17.35 |
| | | | | 3/14/2019 | 12.56 | 17.53 |
| | | | | 5/6/2019 | 12.08 | 18.01 |
| | | | | 7/8/2019 | 12.25 | 17.84 |
| FMW-138 | 90.0 to 100.0 | -49.96 to -59.96 | 40.44 | 11/20/2018 | 24.50 | 15.94 |
| | | | | 12/28/2018 | 24.38 | 16.06 |
| | | | | 3/14/2019 | 24.14 | 16.30 |
| | | | | 5/6/2019 | 23.80 | 16.64 |
| | | | | 7/8/2019 | 23.84 | 16.60 |
| FMW-144 | 38.0 to 43.0 | -8.0 to -13.0 | 29.41 | 12/23/2019 | 12.42 | 16.99 |
| | | | | 12/26/2019 | 12.26 | 17.15 |
| | | | | 12/30/2019 | 12.33 | 17.08 |
| | | | | 12/30/2019 | 12.34 | 17.07 |
| | | | | 12/31/2019 | 12.44 | 16.97 |
| | | | | 12/31/2019 | 12.27 | 17.14 |

**Table 6**
**Groundwater Elevations**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Location | Screened Interval (feet bgs)[1] | Screened Interval (feet NAVD88)[2] | Top of Casing Elevation (feet NAVD88)[2] | Measurement Date | Depth to Water (feet)[3] | Water Level Elevation (feet NAVD88)[2] |
|---|---|---|---|---|---|---|
| FMW-145 | 31.0 to 36.0 | -8.0 to -13.0 | 22.90 | 12/23/2019 | 5.58 | 17.32 |
| | | | | 12/26/2019 | 5.65 | 17.25 |
| | | | | 12/30/2019 | 5.80 | 17.10 |
| | | | | 12/30/2019 | 5.83 | 17.07 |
| | | | | 12/31/2019 | 5.42 | 17.48 |
| | | | | 12/31/2019 | 5.63 | 17.27 |
| FMW-146 | 31.0 to 36.0 | -8.0 to -13.0 | 23.19 | 12/23/2019 | 6.38 | 16.81 |
| | | | | 12/26/2019 | 6.14 | 17.05 |
| | | | | 12/30/2019 | 6.18 | 17.01 |
| | | | | 12/30/2019 | 6.24 | 16.95 |
| | | | | 12/31/2019 | 6.00 | 17.19 |
| | | | | 12/31/2019 | 5.89 | 17.30 |
| FMW-147 | 31.0 to 36.0 | -8.0 to -13.0 | 22.82 | 12/23/2019 | 5.78 | 17.04 |
| | | | | 12/26/2019 | 5.75 | 17.07 |
| | | | | 12/30/2019 | 5.88 | 16.94 |
| | | | | 12/30/2019 | 5.82 | 17.00 |
| | | | | 12/31/2019 | 5.98 | 16.84 |
| | | | | 12/31/2019 | 5.70 | 17.12 |
| FMW-149 | 44.0 to 49.0 | -8.0 to -13.0 | 36.21 | 12/23/2019 | 19.01 | 17.20 |
| | | | | 12/26/2019 | 19.14 | 17.07 |
| | | | | 12/30/2019 | 19.18 | 17.03 |
| | | | | 12/30/2019 | 19.13 | 17.08 |
| | | | | 12/31/2019 | 18.94 | 17.27 |
| | | | | 12/31/2019 | 18.92 | 17.29 |

NOTES:

[1]Depth in feet below ground surface.

bgs = below ground surface

[2]In feet referenced to North American Vertical Datum of 1988 (NAVD88).

[3]In feet below top of well casing.

**Table 7**
**Groundwater Analytical Results for TPH and BTEX**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Date | Sample Identification | Screened Interval (feet NAVD88)[1] | Analytical Results (micrograms per liter) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | DRO[2] | ORO[2] | GRO[3] | Benzene[4] | Toluene[4] | Ethylbenzene[4] | Xylenes[4] |
| **Reconnaissance Groundwater Samples from Borings** | | | | | | | | | | |
| FB-03 | 8/23/2018 | FB-03-082318 | 8.8 to 3.8 | **660** | 490 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FB-05 | 8/22/2018 | FB-05-082218 | 8.5 to 3.5 | < 260 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-130 | 7/21/2014 | F-MW-130-GW1-072114 | 7.2 to 2.2 | --- | --- | **2,100** T | **5.1** | 7.5 | 2.2 | 6.7 |
| **Groundwater Samples from Monitoring Wells** | | | | | | | | | | |
| FMW-130 | 7/24/2014 | F-MW-130-072414 | -22.8 to -32.8 | --- | --- | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| | 7/3/2017 | FMW-130-070317 | | --- | --- | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 8/30/2018 | FMW-130-083018 | | < 250 | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 12/28/2018 | FMW130-122818 | | < 260 | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 3/26/2019 | FMW-130-032619 | | < 250 | < 400 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-132 | 8/30/2018 | FMW-132-083018 | 20.7 to 15.7 | 260 | < 400 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 12/28/2018 | FMW132-122818 | | < 260 | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 3/26/2019 | FMW-132-032619 | | < 250 | < 400 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-133 | 8/30/2018 | FMW-133-083018 | 18.8 to 13.8 | 270 | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 12/28/2018 | FMW133-122818 | | 310 | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 3/26/2019 | FMW-133-032619 | | 280 | < 400 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-134 | 8/30/2018 | FMW-134-083018 | 13.4 to 8.4 | **1,000** M | < 410 | **1,100** Z | < 1.0 | < 5.0 | < 1.0 | < 3.0 |
| | 12/28/2018 | FMW134-122818 | | **560** | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 12/28/2018 | FMW500-122818 | | **680** | 490 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 3/26/2019 | FMW-134-032619 | | **540** M | < 400 | 140 Z | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-135 | 8/30/2018 | FMW-135-083018 | 18.6 to 13.6 | < 260 | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 12/28/2018 | FMW135-122818 | | 370 | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 3/26/2019 | FMW-135-032619 | | < 250 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-136 | 8/30/2018 | FMW-136-083018 | -4.9 to -14.9 | < 250 | < 400 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 12/28/2018 | FMW136-122818 | | < 260 | < 410 | < 100 | < 0.20 | < 1.0 | < 0.20 | < 0.60 |
| | 3/26/2019 | FMW-136-032619 | | < 250 | < 410 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-144 | 12/26/2019 | FMW-144-122619 | -8.6 to -13.6 | < 200 | < 200 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-145 | 12/26/2019 | FMW-145-122619 | -8.1 to -13.1 | 280 | 310 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-146 | 12/26/2019 | FMW-146-122619 | -7.8 to -12.8 | **1,100** | **650** | 170 T | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-147 | 12/26/2019 | FMW-147-122619 | -8.2 to -13.2 | **1,900** | **1,400** | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| FMW-149 | 12/26/2019 | FMW-149-122619 | -7.8 to -12.8 | < 210 | < 210 | < 100 | < 1.0 | < 1.0 | < 1.0 | < 2.0 |
| **Screening Levels[5]** | | | | **500** | **500** | **800/1,000[6]** | **5** | **1,000** | **700** | **1,000** |

NOTES:

Results in **bold** denote concentrations exceeding applicable screening levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
— denotes sample not analyzed.

[1]In feet referenced to North American Vertical Datum of 1988 (NAVD88).
[2]Analyzed by Northwest Method NWTPH-Dx.
[3]Analyzed by Northwest Method NWTPH-Gx.
[4]Analyzed by U.S. Environmental Protection Agency Method 8021B.
[5]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 721-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013.
[6]Screening level is 800 micrograms per liter if benzene is detected and 1,000 micrograms per liter if benzene is not detected.

BTEX = benzene, toluene, ethylbenzene, and xylenes
DRO = total petroleum hydrocarbons (TPH) as diesel-range organics
GRO = TPH as gasoline-range organics
M = hydrocarbons in the gasoline range are impacting the diesel-range result
ORO = TPH as oil-range organics
T = the sample chromatogram is not similar to a typical gas
Z = the gasoline result is mainly attributed to a single peak (naphthalene)

**Table 8**
**Groundwater Analytical Results for PAHs**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Date | Sample Identification | Screened Interval (feet NAVD88)[1] | Analytical Results (micrograms per liter)[2] | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Non-Carcinogenic PAHs | | | | | | | | | | | Carcinogenic PAHs | | | | | | | |
| | | | | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Total Naphthalenes[3] | Acenaphthene | Acenaphthylene | Anthracene | Benzo(g,h,i)Perylene | Fluoranthene | Fluorene | Phenanthrene | Pyrene | Benzo(a)Pyrene | Benzo(a)Anthracene | Benzo(b)Fluoranthene | Benzo(j,k)Fluoranthene | Chrysene | Dibenzo(a,h)Anthracene | Indeno(1,2,3-c,d)Pyrene | Total cPAHs TEC[4,5] |
| **Reconnaissance Groundwater Samples from Borings** | | | | | | | | | | | | | | | | | | | | | | |
| FB-03 | 8/23/2018 | FB-03-082318 | 8.8 to 3.8 | < 1.3 | --- | --- | < 1.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FMW-130 | 7/21/2014 | F-MW-130-GW1-072114 | 7.2 to 2.2 | 650 E | --- | --- | **650 E** | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Groundwater Samples from Monitoring Wells** | | | | | | | | | | | | | | | | | | | | | | |
| FMW-130 | 8/30/2018 | FMW-130-083018 | -22.8 to -32.8 | < 0.097 | < 0.097 | < 0.097 | < 0.291 | < 0.097 | < 0.097 | < 0.097 | < 0.0097 | < 0.097 | < 0.097 | < 0.097 | < 0.097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0073 |
| | 12/28/2018 | FMW130-122818 | | < 0.11 | < 0.11 | < 0.11 | < 0.33 | < 0.11 | < 0.11 | < 0.11 | < 0.011 | < 0.11 | < 0.11 | < 0.11 | < 0.11 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.0083 |
| | 3/26/2019 | FMW-130-032619 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | < 0.011 | 0.015 | 0.011 | < 0.011 | 0.015 | < 0.011 | < 0.011 | 0.0099 |
| FMW-132 | 8/30/2018 | FMW-132-083018 | 20.7 to 15.7 | < 0.096 | < 0.096 | < 0.096 | < 0.288 | 0.40 | < 0.096 | < 0.096 | < 0.0096 | < 0.096 | < 0.096 | < 0.096 | < 0.096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0072 |
| | 12/28/2018 | FMW132-122818 | | < 0.10 | < 0.10 | < 0.10 | < 0.30 | 0.29 | < 0.10 | < 0.10 | < 0.010 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.0076 |
| | 3/26/2019 | FMW-132-032619 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.0076 |
| FMW-133 | 8/30/2018 | FMW-133-083018 | 18.8 to 13.8 | < 0.097 | < 0.097 | < 0.097 | < 0.291 | 0.38 | < 0.097 | < 0.097 | < 0.0097 | < 0.097 | 0.098 | < 0.097 | < 0.097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0097 | < 0.0073 |
| | 12/28/2018 | FMW133-122818 | | < 0.10 | < 0.10 | < 0.10 | < 0.30 | 0.33 | < 0.10 | < 0.10 | < 0.010 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.0076 |
| | 3/26/2019 | FMW-133-032619 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.0083 |
| FMW-134 | 8/30/2018 | FMW-134-083018 | 13.4 to 8.4 | 290 | 10 | 12 | **312** | 8.3 | 0.12 | < 0.099 | < 0.0099 | < 0.099 | 1.6 | 0.48 | < 0.099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0075 |
| | 12/28/2018 | FMW134-122818 | | 23 | 0.67 | 0.77 | 25 | 0.71 | < 0.11 | < 0.11 | < 0.011 | < 0.11 | < 0.11 | < 0.11 | < 0.11 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.0083 |
| | 12/28/2018 | FMW500-122818 | | 62 | 1.7 | 2.3 | 66 | 1.6 | < 0.10 | < 0.10 | < 0.010 | < 0.10 | 0.15 | < 0.10 | < 0.10 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.0076 |
| | 3/26/2019 | FMW-134-032619 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.0076 |
| FMW-135 | 8/30/2018 | FMW-135-083018 | 18.6 to 13.6 | 0.35 | 0.68 | 0.29 | 1.32 | 0.39 | < 0.096 | < 0.096 | < 0.0096 | < 0.096 | < 0.096 | < 0.096 | < 0.096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0072 |
| | 12/28/2018 | FMW135-122818 | | < 0.099 | 0.45 | 0.11 | 0.56 | 0.33 | < 0.099 | < 0.099 | < 0.0099 | < 0.099 | < 0.099 | < 0.099 | < 0.099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0075 |
| | 3/26/2019 | FMW-135-032619 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.011 | < 0.0083 |
| FMW-136 | 8/30/2018 | FMW-136-083018 | -4.9 to -14.9 | 0.39 | < 0.096 | < 0.096 | 0.39 | < 0.096 | < 0.096 | < 0.096 | < 0.0096 | < 0.096 | < 0.096 | < 0.096 | < 0.096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0096 | < 0.0072 |
| | 12/28/2018 | FMW136-122818 | | < 0.10 | < 0.10 | < 0.10 | < 0.30 | < 0.10 | < 0.10 | < 0.10 | < 0.010 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.0076 |
| | 3/26/2019 | FMW-136-032619 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.0076 |
| FMW-144 | 12/26/2019 | FMW-144-122619 | -8.6 to -13.6 | < 0.094 | < 0.094 | < 0.094 | < 0.282 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0071 |
| FMW-145 | 12/26/2019 | FMW-145-122619 | -8.1 to -13.1 | < 0.094 | < 0.094 | < 0.094 | < 0.282 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0071 |
| FMW-146 | 12/26/2019 | FMW-146-122619 | -7.8 to -12.8 | 15 | 9.2 | 13 | 37.2 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0094 | 0.043 | 0.013 | < 0.0094 | 0.036 | < 0.0094 | < 0.0094 | 0.012 |
| FMW-147 | 12/26/2019 | FMW-147-122619 | -8.2 to -13.2 | 2.0 | 0.57 | 0.57 | 3.14 | --- | --- | --- | --- | --- | --- | --- | --- | 0.023 | 0.042 | 0.031 | < 0.010 | 0.033 | < 0.010 | 0.014 | 0.033 |
| FMW-149 | 12/26/2019 | FMW-149-122619 | -7.8 to -12.8 | 0.15 | < 0.094 | < 0.094 | 0.15 | --- | --- | --- | --- | --- | --- | --- | --- | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0094 | < 0.0071 |
| **Screening Levels[6]** | | | | | | | **160** | **960[7]** | **NE** | **4,800[7]** | **NE** | **640[7]** | **640[7]** | **NE** | **480[7]** | | | | | | | | **0.1** |

NOTES:

Results in **bold** denote concentrations exceeding applicable screening levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
— denotes sample not analyzed.
[1]In feet referenced to North American Vertical Datum of 1988 (NAVD88).
[2]Analyzed by U.S. Environmental Protection Agency (EPA) Method 8270D/SIM. FB-03 and FMW-130 reconnaissance groundwater samples analyzed by EPA Method 8260C.
[3]Sum of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.
[4]Total cPAHs derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.
[5]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate total. If all constituent concentrations are non-detect, calculated total is indicated non-detect.
[6]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 2013, unless
[7]MTCA Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons
E = result exceeded instrument quantitation range and is an estimate
NE = not established
PAHs = polycyclic aromatic hydrocarbons
TEC = toxic equivalent concentration

**Table 9**
**Groundwater Analytical Results for Select VOCs**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Date | Sample Identification | Screened Interval (feet NAVD88)[1] | Analytical Results (micrograms per liter)[2] | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | PCE | TCE | cis-1,2-DCE | trans-1,2-DCE | Vinyl Chloride | 1,1,1-TCA | Acetone | BDCM | Chloroform |
| **Reconnaissance Groundwater Samples from Borings** | | | | | | | | | | | | |
| FB-03 | 8/23/2018 | FB-03-082318 | 8.8 to 3.8 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | 7.4 | < 0.20 | < 0.20 |
| FB-05 | 8/22/2018 | FB-05-082218 | 8.5 to 3.5 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | < 0.20 | < 0.20 |
| FMW-130 | 7/21/2014 | F-MW-130-GW1-072114 | 7.2 to 2.2 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | < 0.20 | < 0.20 |
| **Groundwater Samples from Monitoring Wells** | | | | | | | | | | | | |
| FMW-130 | 7/24/2014 | F-MW-130-072414 | -22.8 to -32.8 | < 0.20 | < 0.20 | 0.51 | < 0.20 | < 0.20 | 0.26 | --- | < 0.20 | 0.91 |
| | 7/3/2017 | FMW-130-070317 | | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 5.0 | < 0.20 | < 0.20 |
| | 8/30/2018 | FMW-130-083018 | | < 0.20 | < 0.20 | 0.27 | < 0.20 | < 0.20 | < 0.20 | --- | < 0.20 | < 0.20 |
| | 12/28/2018 | FMW130-122818 | | < 0.20 | < 0.20 | 0.22 | < 0.20 | < 0.20 | < 0.20 | --- | --- | < 0.20 |
| FMW-132 | 8/30/2018 | FMW-132-083018 | 20.7 to 15.7 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | < 0.20 | < 0.20 |
| | 12/28/2018 | FMW132-122818 | | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | --- | < 0.20 |
| FMW-133 | 8/30/2018 | FMW-133-083018 | 18.8 to 13.8 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | < 0.20 | < 0.20 |
| | 12/28/2018 | FMW133-122818 | | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | --- | < 0.20 |
| FMW-134 | 8/30/2018 | FMW-134-083018 | 13.4 to 8.4 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | --- | < 1.0 | < 1.0 |
| | 12/28/2018 | FMW134-122818 | | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| | 12/28/2018 | FMW500-122818 | | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | --- | < 0.20 |
| FMW-135 | 8/30/2018 | FMW-135-083018 | 18.6 to 13.6 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | < 0.20 | 0.41 |
| | 12/28/2018 | FMW135-122818 | | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | --- | < 0.20 |
| FMW-136 | 8/30/2018 | FMW-136-083018 | -4.9 to -14.9 | < 0.20 | < 0.20 | 0.36 | < 0.20 | < 0.20 | < 0.20 | --- | < 0.20 | **2.7** |
| | 12/28/2018 | FMW136-122818 | | < 0.20 | < 0.20 | 0.35 | < 0.20 | < 0.20 | < 0.20 | --- | --- | < 0.20 |
| FMW-137 | 11/20/2018 | FMW-137-112018 | -41.9 to -54.9 | < 0.20 | < 0.20 | 1.2 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| | 12/28/2018 | FMW137-122818 | | < 0.20 | < 0.20 | 1.1 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| | 5/6/2019 | FMW-137-050619 | | < 0.20 | < 0.20 | 1.3 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| | 7/8/2019 | FMW-137-070819 | | < 0.20 | < 0.20 | 1.3 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| FMW-138 | 11/20/2018 | FMW-138-112018 | -45.96 to -55.96 | < 0.20 | < 0.20 | 0.29 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| | 12/28/2018 | FMW138-122818 | | < 0.20 | < 0.20 | 0.34 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| | 5/6/2019 | FMW-138-050619 | | < 0.20 | < 0.20 | 0.38 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| | 7/8/2019 | FMW-138-070819 | | < 0.20 | < 0.20 | 0.34 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| FMW-144 | 12/26/2019 | FMW-144-122619 | -8.6 to -13.6 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| FMW-145 | 12/26/2019 | FMW-145-122619 | -8.1 to -13.1 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| FMW-146 | 12/26/2019 | FMW-146-122619 | -7.8 to -12.8 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| FMW-147 | 12/26/2019 | FMW-147-122619 | -8.2 to -13.2 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| FMW-149 | 12/26/2019 | FMW-149-122619 | -7.8 to -12.8 | < 0.20 | < 0.20 | 0.21 | < 0.20 | < 0.20 | --- | --- | --- | --- |
| **Screening Levels[3]** | | | | **5** | **5** | **16[4]** | **160[4]** | **0.2** | **200** | **7,200** | **0.706** | **1.41[4]** |

NOTES:

Results in **bold** denote concentrations exceeding applicable screening levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
— denotes sample not analyzed.

[1]In feet referenced to North American Vertical Datum of 1988 (NAVD88).
[2]Analyzed by U.S. Environmental Protection Agency Method 8260C or 8260D. Only detected and select VOCs shown; see laboratory report for full list of analytes.
[3]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 amended 2013, unless otherwise noted.
[4]MTCA Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx.

BDCM = bromodichloromethane
DBA = dibromoethane
DCE = dichloroethene
PCE = tetrachloroethene
TCA = trichloroethane
TCE = trichloroethene
VOCs = volatile organic compounds

**Table 10**
**Groundwater Analytical Results for PCBs**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Sample Location | Sample Date | Sample Identification | Screened Interval (feet NAVD88)[1] | Analytical Results (micrograms per liter)[2] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Aroclor 1016 | Aroclor 1221 | Aroclor 1232 | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Total PCBs[3] |
| **Groundwater Samples from Monitoring Wells** | | | | | | | | | | | |
| FMW-144 | 12/26/2019 | FMW-144-122619 | -8.6 to -13.6 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.16 |
| FMW-145 | 12/26/2019 | FMW-145-122619 | -8.1 to -13.1 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.16 |
| FMW-146 | 12/26/2019 | FMW-146-122619 | -7.8 to -12.8 | < 0.048 | < 0.048 | < 0.048 | < 0.048 | < 0.048 | < 0.048 | < 0.048 | < 0.17 |
| FMW-147 | 12/26/2019 | FMW-147-122619 | -8.2 to -13.2 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.16 |
| FMW-149 | 12/26/2019 | FMW-149-122619 | -7.8 to -12.8 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.047 | < 0.16 |
| **Screening Levels[4]** | | | | | | | | | | | **0.1** |

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

PCB = polychlorinated biphenyl

[1]In feet referenced to North American Vertical Datum of 1988 (NAVD88).

[2]Analyzed by U.S. Environmental Protection Agency Method 8082A.

[3]Where all Aroclors were non-detect in a specific sample, half the reporting limit for each Aroclor was used to calculate total PCBs.

[4]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

**Table 11**
**Monitoring Well Summary**
**Block 38 West Property**
**Seattle, Washington**
**Farallon PN: 397-019**

| Location | Screened Interval (feet bgs)[1] | Screened Interval (feet NAVD88)[2] | Top of Casing Elevation (feet NAVD88)[2] | Monitoring Well Decommissioned | Date Decommissioned |
|---|---|---|---|---|---|
| FMW-130 | 45.0 to 55.0 | -22.8 to -32.8 | 21.86 | Yes | 11/4/2019 |
| FMW-132 | 5.0 to 10.0 | 20.7 to 15.7 | 25.48 | Yes | 11/4/2019 |
| FMW-133 | 6.5 to 11.5 | 18.8 to 13.8 | 24.87 | Yes | 11/4/2019 |
| FMW-134 | 12.0 to 17.0 | 13.4 to 8.4 | 24.98 | No | To Be Decommissioned |
| FMW-135 | 7.0 to 12.0 | 18.6 to 13.6 | 25.29 | Yes | 1/8/2020 |
| FMW-136 | 30.0 to 40.0 | -4.9 to -14.9 | 24.79 | No | To Be Decommissioned |
| FMW-144 | 38.0 to 43.0 | -8.0 to -13.0 | 29.41 | Yes | 1/8/2020 |
| FMW-145 | 31.0 to 36.0 | -8.0 to -13.0 | 22.90 | Yes | 1/8/2020 |
| FMW-146 | 31.0 to 36.0 | -8.0 to -13.0 | 23.19 | Yes | 1/8/2020 |
| FMW-147 | 31.0 to 36.0 | -8.0 to -13.0 | 22.82 | Yes | 1/8/2020 |
| FMW-148 | 45.0 to 50.0 | -8.0 to -13.0 | Not surveyed | Yes | 12/23/2019 |
| FMW-149 | 44.0 to 49.0 | -8.0 to -13.0 | 36.21 | Yes | 1/8/2020 |

NOTES:

[1]Depth in feet below ground surface.

[2]In feet referenced to North American Vertical Datum of 1988 (NAVD88).

[3]In feet below top of well casing.

bgs = below ground surface