FINAL INTERIM ACTION REPORT

BLOCK 38 WEST SITE
500 THROUGH 536 WESTLAKE AVENUE NORTH
SEATTLE, WASHINGTON

Agreed Order No. DE 17963
Facility Site Identification No. 62773
Cleanup Site Identification No. 15008

Submitted by:
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December 28, 2023

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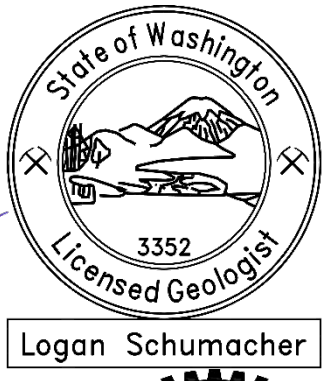

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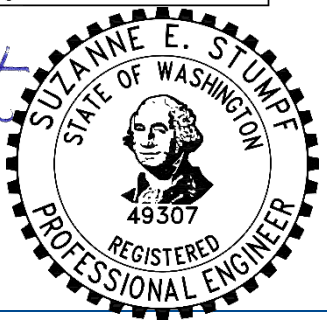

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EXECUTIVE SUMMARY

Farallon Consulting, L.L.C. has prepared this Interim Action Report (IA Report) on behalf of City Investors IX LLC (City Investors IX) to describe the independent interim action conducted at the property located at 500 through 536 Westlake Avenue North, Seattle, Washington (Block 38 West Property), which is part of the Block 38 West Site in the South Lake Union Area of Seattle, Washington. This IA Report was prepared in accordance with Section VII.E of Agreed Order No. DE 17963 dated April 20, 2020 (AO) between the Washington State Department of Ecology (Ecology) and City Investors IX. Since the AO for the Block 38 West Site became effective, the independent interim action has been conducted under the auspices of the AO.

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 was developed with structures formerly used for retail, temporary office space, storage, and parking. The Block 38 West Property structures were demolished in 2019 as part of the redevelopment and construction of a multi-story mixed-use building with 12 stories above street level and 4 levels of underground parking. The new building foundation extends across the entire Block 38 West Property.

Historical operations on the southern portion of the Block 38 West Property from the 1890s through 2019 included lumber storage, a blacksmith shop, warehouse storage, and retail and commercial operations. Historical operations on the central portion of the Block 38 West Property included lumber storage, a horse stable and wagon house, a blacksmith, a wagon shop, an auto repair facility, a veterinary hospital, parking, and retail operations. Historical operations on the northern portion of the Block 38 West Property included lumber storage, a transfer warehouse, and a commercial printer.

Subsurface investigations have been conducted at the Block 38 West Site since 1994. Based on the results of these subsurface investigations, petroleum hydrocarbons and polycyclic aromatic hydrocarbons have been detected at concentrations exceeding regulatory screening levels in soil and/or groundwater at the Block 38 West Site. Historical operations and/or the following features resulted in the release of hazardous substances that caused contamination of soil and/or

groundwater at the Block 38 West Property: historical placement of impacted fill soil; impacted fill soil within wood debris associated with the former lumber mill operations on Block 38 (as defined below); former timber pilings associated with historical buildings; a coal fill layer across the central and northern portions of the Block 38 West Property; and localized impacts associated with former bunker fuel oil underground storage tanks (USTs) encountered in the northwestern portion of the Block 38 West Property.

The independent interim action reduced the threat to human health and the environment by removal of (i) soil and groundwater containing concentrations of petroleum hydrocarbons and polycyclic aromatic hydrocarbons (PAHs) (soil only), including naphthalenes and carcinogenic PAHs (cPAHs), at concentrations exceeding screening levels; and (ii) the Shallow Water-Bearing Zone and the upper portion of the Intermediate Water-Bearing Zone within the Block 38 West Property boundary in conjunction with the redevelopment of the Block 38 West Property. Components of the independent interim action included excavation of soil with hazardous substances detected at concentrations exceeding screening levels to eliminate source material, construction dewatering and treatment of contaminated groundwater, installation of a vapor barrier below and around the entire perimeter of the building foundation, and construction of the exterior walls and floor slab for the underground portion of the building using waterproof concrete. The base of the excavation was generally to an elevation of -6.5 feet North American Vertical Datum of 1988 (NAVD88) with excavation deeper in some areas such as the elevator pit.

Approximately 64,200 tons of soil containing detectable concentrations of hazardous substances and wood and organic debris was removed from the Block 38 West Property through June 26, 2020. Of this total, approximately 44,000 tons of soil contained concentrations of hazardous substances exceeding regulatory screening levels. Approximately 50 percent of the 44,000 tons (23,000 tons) of soil with concentrations of hazardous substances exceeding the screening levels was associated with wood and organic debris encountered across the Block 38 West Property. Confirmation soil sample analytical results indicate that all soil with concentrations of hazardous substances exceeding regulatory screening levels was successfully removed from the Block 38 West Property.

Results of performance soil sampling at the excavation extents indicate that total petroleum hydrocarbons as oil-range organics and cPAHs remain in soil off the Block 38 West Property in limited areas along the northwest sidewall (proximate to former underground storage tanks

UST01 and UST02 and associated fuel product line) and the central portion of the east sidewall at elevations ranging from 23 to 15 feet NAVD88 within the soil fill layer identified at the Block 38 West Site.

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this Interim Action Report (IA Report) on behalf of City Investors IX L.L.C. (City Investors IX) to describe an independent interim action conducted at the Block 38 West Property, which is part of the Block 38 West Site in the South Lake Union Area of Seattle, Washington (Figure 1). This IA Report was prepared in accordance with Section VII.E of Agreed Order No. DE 17963 dated April 20, 2020 (AO), between the Washington State Department of Ecology (Ecology) and City Investors IX. Since entry of the AO for the Block 38 West Site, the independent interim action has been conducted under the auspices of the AO.

The Block 38 West Site is defined under the AO as where a hazardous substance, other than a consumer product in consumer use, has been deposited, stored, disposed of, or placed, or otherwise come to be located. The Block 38 West Site, which is listed in Ecology's contaminated sites database as Facility Site Identification (ID) No. 62773 and Cleanup Site ID No. 15008, is generally located at 500 through 536 Westlake Avenue North in Seattle, Washington (Block 38 West Property) and extends to the east into a portion of an adjacent alley that is owned by the City of Seattle (Alley).

For simplicity, the entire city block will be referred to in this document as Block 38. This is a name used by City Investors IX to refer to this particular city block in Seattle. It is not a denomination by the City of Seattle. Block 38 is comprised of the Block 38 West Property, the north-south–trending Alley that bisects the block, and the parcels at 535 Terry Avenue North and 960 Republican Street (collectively, Block 38 East Property). Block 38 is bordered by Mercer Street to the north, Terry Avenue North to the east, Republican Street to the south, and Westlake Avenue North to the west (Figure 2).

Subsurface investigations have been conducted at the Block 38 West Site since 1994. Based on the results of these subsurface investigations, petroleum hydrocarbons and polycyclic aromatic hydrocarbons (PAHs) have been detected at concentrations exceeding regulatory screening levels in soil and/or groundwater at the Block 38 West Site.

The independent interim action described herein consisted primarily of removal of soil and groundwater with concentrations of hazardous substances exceeding screening levels, performed in conjunction with the redevelopment of the Block 38 West Property. The redevelopment of the Block 38 West Property included construction of a multi-story mixed-use building with 12

stories above street level and 4 levels of underground parking. Construction of the new building required mass excavation across the entire Block 38 West Property to an elevation of approximately -6.5 feet North American Vertical Datum of 1988 (NAVD88), or depths of approximately 30 to 35 feet below the previously existing grade. The independent interim action was performed consistent with the cleanup requirements of the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), as established in Chapter 173-340 of the Washington Administrative Code (WAC 173-340).

1.1 PURPOSE AND OBJECTIVE

The purpose of this IA Report is to describe the independent interim action conducted to remove soil and groundwater containing concentrations of petroleum hydrocarbons and PAHs, including naphthalenes and carcinogenic PAHs (cPAHs), at concentrations exceeding screening levels in order to reduce the threat to human health or the environment within the limits of the Block 38 West Property.

The independent interim action permanently removed soil with concentrations of hazardous substances that exceeded screening levels and resulted in the removal of the Shallow Water-Bearing Zone and the upper portion of the Intermediate Water-Bearing Zone beneath the Block 38 West Property. The system used for extraction and treatment of contaminated groundwater was designed to prevent dissolved hazardous substances from entering the Block 38 West Property and to remove contaminant mass from groundwater withdrawn by the permitted construction dewatering system. The new building foundation design includes the installation of a vapor barrier around the entire perimeter and beneath the building foundation to mitigate the potential vapor intrusion exposure pathway.

This independent interim action was necessary to reduce a threat to human health and environment and corrected a problem that would have cost substantially more to address if delayed until after the property is redeveloped (WAC 173-340-430), but did not foreclose reasonable alternatives for the final cleanup action at the Block 38 West Site based upon known conditions at the Block 38 West Site. The scope of work for the independent interim action was developed in accordance with Ecology requirements and guidance, including MTCA. The independent interim action is part of the final cleanup action, which will be selected as part of the remedial investigation and feasibility process under the AO.

1.2 DOCUMENT ORGANIZATION

This IA Report has been organized into the following sections:

- **Section 2**, **Block 38 West Site Description and Background**, provides the Block 38 West Property description and history, a summary of current and historical uses of adjacent and surrounding lands, potential off-Property sources of contamination, regulatory history, and the geology and hydrogeology of the South Lake Union region.
- **Section 3**, **Summary of Previous Investigations and Remedial Actions**, provides a summary of previous environmental investigations and remedial actions conducted at the Block 38 West Property and surrounding properties.
- **Section 4, Interim Action Technical Elements**, identifies the applicable or relevant and appropriate requirements (ARARs), constituents of potential concern (COPCs), media of concern, terrestrial ecological evaluation (TEE), and the screening levels for the Block 38 West Site.
- **Section 5, Independent Interim Action,** describes the technical approach for the independent interim action, independent interim action objectives, construction dewatering and treatment, performance and confirmation sampling, soil transport and disposal, and vapor barrier installation.
- **Section 6, Independent Interim Action Results,** provides a summary of performance and confirmation soil sampling results, construction dewatering system monitoring results, and a summary of soil disposal off the Block 38 West Property.
- **Section 7, Conclusions**, provides a summary of the independent interim action completed at the Block 38 West Site.
- **Section 8**, **Bibliography**, provides a list of the source materials used in preparing this IA Report.
- **Section 9**, **Limitations**, provides Farallon's standard limitations applicable to this IA Report.

2.0 BLOCK 38 WEST AND SURROUNDING LAND INFORMATION

This section provides the Block 38 West Site description and regulatory history, a summary of current and historical uses of the Block 38 West Property, adjacent and surrounding lands and potential off-Site sources, the geology and hydrogeology of the South Lake Union region, and a summary of previous investigations and remedial actions performed at the Block 38 West Site.

2.1 BLOCK 38 WEST PROPERTY DESCRIPTION

The Block 38 West Property is in a commercial and light industrial area zoned as mixed residential and commercial in the South Lake Union area (SM-SLU 175/85-280) approximately 1 mile north of downtown Seattle. According to the King County GIS Center (2021), the Block 38 West Property 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) (Figure 2).

The Block 38 West Property totals approximately 1.06 acres of land that previously was developed with structures formerly used for retail, temporary office space, storage, and parking. The former Block 38 West Property structures were demolished as part of the current redevelopment. Adjacent street elevations vary from an approximate elevation of 41 feet NAVD88 on Republican Street adjoining the southern portion of the Block 38 West Property to an approximate elevation of 31 feet NAVD88 on Mercer Street adjoining the northern portion of the Block 38 West Property (Figure 2). The Alley and the east-adjacent Block 38 East Property are accessed from Mercer Street at an approximate elevation of 31 feet NAVD88 or Republican Street at an approximate elevation of 41 feet NAVD88 and descend from street level to an approximate elevation of 25 feet NAVD88, and are used for vehicle access to a parking garage on the Block 38 East Property and loading dock for the Rosen Building. Prior to demolition as part of the current redevelopment, a historical timber-framed trestle extended north from Republican Street into the Alley approximately 120 feet; its constructed height was approximately 18 feet higher than the ground surface of the southern portion of the Alley (Figure 2). The former trestle was constructed for support of the rail spur that extended out to the former shoreline of South Lake Union (Farallon 2018). As discussed below, the northern portion of the Block 38 West Property historically was marshland along the southern shore of Lake Union.

2.2 BLOCK 38 WEST PROPERTY HISTORY

The Block 38 West Property at 500 to 536 Westlake Avenue North was historically undeveloped marshland that extended along the southern shore of Lake Union and onto the north-adjacent property in the late 1880s, as detailed in the draft Phase I Environmental Site Assessment Report (Farallon 2019d) (2019 Phase I Report) and the Preliminary Environmental Assessment Update letter (Hart Crowser, Inc. 1999) (1999 EA Update).

Historical operations included a lumber storage yard across the majority of the Block 38 West Property from the 1890s until approximately 1920 when the first commercial and retail structures were built. Historical businesses at the Block 38 West Property included blacksmith shops, wagon shops, horse stables, warehouse storage, an auto repair facility, a veterinary hospital, a commercial printer, and various retail businesses from the early 1900s through 2019. The structures on the Block 38 West Property that were used as retail, temporary office space, storage, and parking remained unchanged from 1969 through August 2019. The structures were demolished in late 2019 and early 2020 as part of the redevelopment of the Block 38 West Property.

Historical operations and/or the following features resulted in the release of hazardous substances that caused contamination of soil and/or groundwater at the Block 38 West Property: historical placement of impacted fill soil; impacted fill soil within wood debris associated with the former lumber mill operations on Block 38; former timber pilings associated with historical buildings; a coal fill layer across the central and northern portion of the Block 38 West Property; and localized impacts associated with former bunker fuel oil underground storage tanks (USTs) encountered in the northwestern portion of the Block 38 West Property. Ecology listed the Block 38 West Site (includes the Block 38 West Property) as a contaminated site with Facility Site ID No. 62773 and Cleanup Site ID No. 15008 in 2019.

2.3 BLOCK 38 WEST PROPERTY CURRENT LAND USE

The Block 38 West Property redevelopment included construction of a multi-story mixed-use building with 12 stories above street level and 4 levels of underground parking. The finished floor elevation of the lowest level of parking is -3.25 feet NAVD88, with the bottom of footing elevation for the majority of the foundation at approximately -6.5 feet NAVD88 and the excavation extended deeper in areas for footings or elevator pits. The mass excavation and installation of building superstructure has been completed.

2.4 ADJACENT AND SURROUNDING LAND USES

This section summarizes the current and historical uses of the properties that surround the Block 38 West Property.

2.4.1 North – Block 37 Property

The Block 37 Property at 600 through 630 Westlake Avenue North is one block north of the Block 38 West Property across Mercer Street (Figure 2). The Block 37 Property has primarily been used for commercial and industrial purposes since 1885. Historical operations included a lumber mill, a planing mill, lumber storage, two gasoline service stations, a creamery, a brewery, a restaurant, and auto service and detailing. The Block 37 Property was developed with numerous commercial buildings until 2006 and all structures were removed by 2009. Currently, the Block 37 Property is a vacant asphalt lot.

Historical operations resulted in releases of hazardous substances that caused contamination of soil and groundwater at the Block 37 Property and surrounding public right-of-way. This property is currently associated with the Block 37 Site listed in Ecology's contaminated sites database as Facility Site ID No. 46445353 and Cleanup Site ID No. 6134. The Block 37 Site includes two commingled sites previously identified by Ecology as the TOSCO 25535330857 Site (associated with a former gas station at 600 Westlake Avenue North) and the Auto Service Company Site (associated with a former gas station and auto maintenance facility at 630 Westlake Avenue North). Cleanup actions at the Block 37 Site are being performed under Agreed Order No. DE 19430, effective May 4, 2021, between Ecology, Phillips 66 Company, and City Investors XI, L.L.C. Based on confirmed releases to soil and groundwater at the Block 37 Site and surrounding public rights-of-way, the Block 37 Site is a potential source of contamination for the Block 38 West Site.

2.4.2 East – Block 38 East Property

The Block 38 East Property at 535 Terry Avenue North and 960 Republican Street is east-adjacent to the Alley (Figure 2). The Block 38 East Property totals approximately 1.08 acres of land that has primarily been used for commercial and light industrial purposes since the late 1800s and comprises King County Parcel Nos. 1983200150 and 1983200160.

Historical operations on the northern portion of the Block 38 East Property (535 Terry Avenue North) included a lumber mill and yard, gasoline service station, and fuel yard associated with

coal storage at the Block 38 East Property through the 1950s. By the late 1960s, this portion of the property was a parking lot until redeveloped in 2009 with a five-story commercial office building with a parking garage known as the Interurban Exchange 2 Building.

Historical operations on the southern portion of the Block 38 East Property (960 Republican Street) included lumber storage until the late 1920s when a three-story commercial office building was constructed. The building, known as the Rosen Building, was used as a warehouse for electrical appliances and general storage through the 1960s and currently is a medical and dental office.

Historical operations resulted in releases of hazardous substances that caused contamination of soil and groundwater at the Block 38 East Property. This property is currently associated with the Rosen Property Site, also known as the Interurban Exchange 2 Site, listed in Ecology's contaminated sites database as Facility Site ID No. 2500 and Cleanup Site ID No. 5123. On May 28, 2009, the Rosen Property Site received a property-specific No Further Action determination from Ecology. Based on confirmed releases to soil and groundwater at the Rosen Property Site and residual soil contamination with detections of petroleum hydrocarbons, cPAHs, and metals exceeding regulatory screening levels in the western boundary of the Block 38 East Property, the Rosen Property Site is a potential source of contamination for the Block 38 West Site.

Figure 2 shows the location of historical features and lot configuration on the Block 38 East Property.

2.4.3 South – 428 Westlake LLC and Firestone Tire & Rubber Co. Properties

The 428 Westlake LLC Property at 428 Westlake Avenue North is one block south of the Block 38 West Site and occupies the northern half of the block (Figure 2). The 428 Westlake LLC Property totals approximately 0.44 acre of land that has primarily been used for commercial and light industrial purposes since the 1960s and is comprised of King County Parcel No. 1983200245.

The 428 Westlake LLC Property was undeveloped prior to the 1960s and occupied by a used car dealership until 1980s, and then a commercial parking lot into the early 2000s. The 428 Westlake LLC Property was redeveloped in 2003 to 2004 with a six-story commercial office building with four levels of below grade parking.

Historical operations resulted in releases of hazardous substances that caused contamination of soil at the 428 Westlake LLC Site, and 428 Westlake LLC Site being listed in Ecology's contaminated sites database as Facility Site ID No. 861982 and Cleanup Site ID No. 485. On May 23, 2005, the 428 Westlake LLC Site received a No Further Action determination from Ecology and a restrictive covenant was recorded for petroleum-contaminated soil that was left in-place on the southwestern portion of the 428 Westlake LLC Site and a 2-foot-wide zone that extends into the City of Seattle right-of-way. Based on a localized release to soil and no documented impacts to groundwater, the 428 Westlake LLC Site is not considered a potential source of contamination for the Block 38 West Site.

The Firestone Tire & Rubber Co. Property at 400 Westlake Avenue North is one block south of the Block 38 West Site and occupies the southern half of the block (Figure 2). The Firestone Tire & Rubber Co. Property totals approximately 0.44 acre of land that has primarily been used for commercial and light industrial purposes since the 1950s and is comprised of King County Parcel No. 1983200230.

The Firestone vehicle service building and former gasoline retail station was reportedly constructed in 1929 and remained a tire and vehicle service station until approximately 2017. In its original configuration, the Firestone vehicle service building's southwestern corner was reportedly open to vehicular traffic and contained fuel dispensers. The Firestone Tire & Rubber Co. Property is currently being redeveloped with a 15-story commercial office building with a parking garage.

Historical operations resulted in releases of hazardous substances that caused contamination of soil and suspected contamination of groundwater at the Firestone Tire & Rubber Co. Property, and Firestone Tire & Rubber Co. Property being listed in Ecology's contaminated sites database as Facility Site ID No. 32145888 and Cleanup Site ID No. 12005. Based on the limited information publicly available regarding a confirmed release to soil, potential release to groundwater and ongoing redevelopment with significant construction dewatering, and short-term impacts to regional groundwater quality during construction dewatering operations, the Firestone Tire & Rubber Co. Property is considered a potential source of contamination for the Block 38 West Site.

2.4.4 West – Amazon VI Property

The Amazon VI Property at 515 Westlake Avenue North is one block west of the Block 38 West Site and occupies the majority of the block (Figure 2). The Amazon VI Property totals approximately 1.91 acres of land that has primarily been used for commercial and light industrial purposes since the 1950s and is comprised of King County Parcel Nos. 1983200065 and 1983200075.

A 2,500-gallon heating oil UST was removed along with petroleum-contaminated soil in March 2013. The Amazon VI Property was redeveloped in 2013 with a six-story commercial office building with a parking garage.

Historical operations resulted in releases of hazardous substances that caused contamination of soil at the Amazon VI Property, and the Amazon VI Property being listed in Ecology's contaminated sites database as Facility Site ID No. 7811 and Cleanup Site ID No. 12471. On October 16, 2004, the Amazon VI Site received a No Further Action determination from Ecology. Based on a localized release to soil and no documented impacts to groundwater, the Amazon VI Property is not considered a potential source of contamination for the Block 38 West Site.

2.5 ADDITIONAL SURROUNDING SITES

This section summarizes the current and historical uses of select properties where releases of hazardous substances occurred and had the potential to effect groundwater at the Block 38 West Site.

2.5.1 East - Block 32 North Property and Ivar's Commissary Property

The Block 32 Property at 1001 and 1021 Mercer Street (Block 32 North Property) and 500 Terry Avenue North (Ivar's Commissary Property) are located approximately one block east of the Block 38 West Site (Figure 2). The Block 32 North Property totals approximately 0.65 acre of land that has primarily been used for a mix of residential, commercial, and industrial purposes since the late 1880s and comprises King County Parcel No. 19833200375. The Ivar's Commissary Property totals 0.47 acre of land that has primarily been used for a mix of residential and commercial purposes since the late 1880s and comprises King County Parcel No. 19833200360.

Historical operations on the northern portion of the Block 32 Property (1001 and 1021 Mercer Street) included lumber staging and sawdust storage, with lumber storage and lumber mill operations expanding on the northern portion of the Block 32 Property until the early 1900s. The surface grade was noted to be 10 to 12 feet below the Mercer Street grade during this period. By 1950, a roofing warehouse was on the northern portion of the Block 32 Property and continued to be used for commercial and light industrial purposes until 2000, with evidence of an abandoned dump site at 1021 Mercer Street discovered during redevelopment. The northern portion of the Block 32 Property was redeveloped in 2008 to 2009 with a five-story commercial office building with a parking garage known as the Block 32 North Building (Block 32 North Building – City Place III Site).

Historical operations resulted in releases of hazardous substances that caused contamination of soil and groundwater at the Block 32 North Building – City Place III LLC Site, and Block 32 North Building – City Place III LLC Site being listed in Ecology's contaminated sites database as Facility Site ID No. 14637 and Cleanup Site ID No. 1761. On November 16, 2004, the Block 32 North Building – City Place III LLC Site received a Partial Sufficiency determination from Ecology for petroleum hydrocarbons in soil and groundwater and a Further Action Required determination from Ecology for tetrachloroethene (PCE) and vinyl chloride in soil and groundwater. Based on the confirmed release to soil and groundwater, limited information publicly available regarding current groundwater conditions, and proximity to the Block 38 West Site, the Block 32 North Building – City Place III LLC Site may be a potential source of contamination for the Block 38 West Site.

Historical operations on the southern portion of the Block 32 Property were primarily residential from the late 1880s until 1917 when commercial businesses (i.e., a construction warehouse and a commercial building associated with a blacksmith, a wagon shop, and carriage and auto painting shop) had replaced the single-family residences on the southwestern portion of the Block 32 Property. A single-family residence remained on the central portion, and the northern portion was vacant. By 1950, no single-family residences were present and the Block 32 Property was used for commercial and light industrial purposes, with a roofing warehouse on the northern portion and a cold storage and distribution warehouse on the southern portion through the late 1960s (Ivar's Commissary Building). The southern portion of the Block 32 Property was redeveloped in 2008 to 2009 with a six-story commercial office building with a parking garage.

Historical operations of underground storage tanks resulted in releases of hazardous substances that caused contamination of soil and groundwater at the Ivar's Commissary Property, and Ivar's Commissary Property being listed in Ecology's contaminated sites database as Facility Site ID No. 85883854 and Cleanup Site ID No. 6774. The cleanup status for Ivar's Commissary Property is listed as ongoing in Ecology's contaminated sites database. Based on the confirmed release to soil and groundwater, limited information publicly available regarding current groundwater conditions, and proximity to the Block 38 West Site, the Ivar's Commissary Property may be a potential source of contamination for the Block 38 West Site.

2.5.2 Former American Linen Supply Co – BMR-Dexter Property

The former American Linen Supply Co. facility at 700 Dexter Avenue North in Seattle, Washington, (King County Parcel No. 224900-0285) currently owned by BMR-Dexter LLC (BMR-Dexter Property) has a documented release of chlorinated volatile organic compounds (CVOCs) to soil and groundwater, with impacts to regional groundwater quality in the South Lake Union area. The American Linen CVOC Plume comprises groundwater contaminated with CVOCs emanating from and down-gradient of the BMR-Dexter Property.

Historical operations at the BMR-Dexter Property included operation of a commercial laundry and dry cleaner businesses from approximately 1946 through the mid-1990s. The BMR-Dexter Property was redeveloped in 2019 to 2020 with a 14-story commercial and medical office building with three levels of below grade parking. Releases that occurred on the BMR-Dexter Property during the period of operation included contaminated soil with CVOCs, including PCE; trichloroethene; isomers of dichloroethene, primarily cis-1,2-dichloroethene (cDCE); and vinyl chloride, at concentrations exceeding site-specific screening levels to depths greater than 100 feet below ground surface (bgs).

The site encompassing contaminated soil and groundwater on and off property at 700 Dexter Avenue North, including the American Linen CVOC Plume, is referred to as the American Linen Supply Co. Dexter Avenue Site, listed in Ecology's contaminated sites database as Facility Site ID No. 3573 and Cleanup Site ID No. 12004. The cleanup of the American Linen Supply Co. Dexter Avenue Site is being conducted under Agreed Order No DE 14302.

2.6 REGULATORY HISTORY

The scope of work described in the IA Report for the Block 38 West Site was performed in accordance with WAC 173-340-430 and implemented as an independent interim action

conducted in conjunction with the redevelopment of the Block 38 West Property. Since the AO for the Block 38 West Site became effective, the independent interim action has been conducted under the auspices of the AO.

Based on the letter regarding Early Notice of Release of Hazardous Substances and Preliminary Determination of Liability for Release at the Block 38 West Contaminated Site dated August 13, 2019, from Ecology to City Investors IX (2019 Ecology Letter), regulatory interaction, reporting, and concurrence from all parties involved are required to support the regulatory closure process. Ecology and City Investors IX executed the AO for the Block 38 West Site on April 20, 2020. The AO requires City Investors IX to, among other things, prepare a work plan to conduct a remedial investigation, conduct a remedial investigation and feasibility study, and prepare a draft cleanup action plan for the Block 38 West Site. In addition, and as noted above, the remaining elements of the independent interim action described in the Interim Action Work Plan (IAWP) (Farallon 2019b) at the time the AO was executed were performed under the auspices of the AO.

On December 9, 2019, City Investors IX notified Ecology of a newly discovered release at the Block 38 West Site. The general contractor for the redevelopment, GLY Construction (GLY), notified Farallon on November 22, 2019 regarding the discovery of a black liquid discharging from a side sewer line at the Block 38 West Property while inspecting side sewer utilities in the Alley (Figure 3). The side sewer line where the liquid was observed extended west onto the Block 38 West Property[1] and was not documented on Seattle Public Utilities maps. Farallon personnel collected a sample of the liquid for laboratory analysis. The sample result indicated the presence of total petroleum hydrocarbons in the liquid. The side sewer line was capped at the eastern Block 38 West Property boundary and the length of the line was inspected to the maximum extent practicable. Additionally, several test pits were advanced after building demolition, but no source of the petroleum hydrocarbons encountered in the side sewer line were identified. No further evidence of a release associated with the side sewer line was encountered during the independent interim action.

On February 4, 2020, Ecology was notified through email correspondence that a previously unknown UST (identified as UST01) and associated product fuel line had been discovered on January 21, 2020 in the northwestern corner of the Block 38 West Property. Email

[1] This side sewer extended onto King County Parcel No. 1983200170 on the southern portion of the Block 38 West Property (500 and 510 Westlake Avenue North).

correspondence included a description of the decommissioning and removal of UST01 and the product fuel line, a summary of soil laboratory analytical results, and a summary of the UST site assessment. The removal of UST01 is discussed in further detail in Section 5.5, UST Decommissioning.

On February 11, 2020, Ecology was notified through email correspondence that a second previously unknown UST (identified as UST02) had been discovered on February 5, 2020 in the northwestern corner of the Block 38 West Property. Email correspondence included a description of the decommissioning and removal of UST02 and a summary of the UST site assessment. The removal of UST02 is discussed in further detail in Section 5.5, UST Decommissioning.

On June 18, 2021, City Investors IX requested partial approval[2] from Ecology for the installation of four monitoring wells, FMW-150 through FMW-153, screened within the Intermediate Water-Bearing Zone through the building foundation. Ecology granted partial approval on June 22, 2021.

On July 20, 2021, City Investors IX requested partial approval from Ecology for the reuse of water resource protection wells, OW-1 through OW-5, screened within the Intermediate Water-Bearing Zone for ongoing water level elevations and future compliance groundwater monitoring activities. Ecology granted partial approval on July 27, 2021.[3]

2.7 GEOLOGY AND HYDROGEOLOGY

The Puget Sound region is underlain by Quaternary sediments deposited by a number of glacial episodes. Deposition occurred prior to, during, and following glacial advances and retreats, creating the existing subsurface conditions. The naturally occurring sediments in the South Lake Union area consist primarily of interlayered and/or sequential deposits of alluvial clays, silts, and sands that typically are situated over deposits of glacial till that consist of silty sand to sandy silt with gravel. Outwash sediments consisting of sands, silts, clays, and gravels were deposited by rivers, streams, and post-glacial lakes during glacial advances and recessions. Advance outwash sediments have been largely over-consolidated by the overriding ice sheets. These advance

[2] Partial approval of the scope of work presented in the Agency Review Draft Remedial Investigation Work Plan was granted.

[3] The existing "OW" wells were requested for use in completing remedial investigation activities instead of using other wells that were proposed in the Agency Review Draft Remedial Investigation Work Plan scope of work.

outwash sediments are overlain by a till-like layer and/or recessional outwash sediments that are less consolidated (Galster and Laprade 1991).

The Block 38 West Property is approximately 600 feet south of Lake Union. According to a U.S. Geological Survey (1909) Seattle Special quadrangle map, the original shoreline of Lake Union extended farther south than its current location, to as far as the current location of Mercer Street. In the late 1800s and the early 1900s, the southern end of Lake Union was filled with sawdust and wood waste generated by lumber mill operations and with other fill materials. The historical use of Block 38 as a lumber mill and for lumber storage resulted in deposition of wood waste across Block 38. Field observations made during subsurface investigations conducted by Farallon and others confirmed a wood debris layer was present beneath the Block 38 West Property prior to redevelopment excavation.

Cross sections depicting the general lithology and hydrogeology of the Block 38 West Property prior to redevelopment excavation activities are presented on Figures 17 through 20, which are based on field observations made during the subsurface investigations conducted by Farallon and others and documented in boring logs (Appendix A). The locations of the cross sections are shown on Figure 3 along with sampling locations from the subsurface investigations. According to Farallon observations made during subsurface investigations conducted on adjacent properties and at the Block 38 West Property and a review of boring logs from geotechnical drilling (GeoEngineers, Inc. [GeoEngineers] 2018), three general stratigraphic units were present at the Block 38 West Property and immediate vicinity prior to excavation:

- The shallowest unit consists of fill material with recent deposits, including lacustrine sediments, and comprises silt, sandy silt, and sand with variable gravel content. In some areas, this shallowest unit includes wood waste, peat, and organic silt. The shallowest unit was present across the Block 38 West Property prior to remedial and mass excavations conducted as part of redevelopment activities.
- The fill and recent deposits are underlain by a dense stratum of heterogeneous glacially consolidated deposits comprising dense sand and variable silt and gravel content and very stiff to hard silt with variable sand and gravel content. According to GeoEngineers (2018), the recent glacially consolidated soil contact typically slopes down to the north toward Lake Union. Prior to remedial and mass excavations conducted as part of redevelopment activities at the Block 38 West Property, the contact occurred between approximate elevations of 11 to -6 feet NAVD88.

- A poorly graded dense advance glacial outwash sand with minor silt is encountered below the intermediate unit of glacially consolidated soil at elevations ranging from -30 to -40 feet NAVD88. The sand and gravel layer that was observed in the boring for monitoring well FMW-130 at an elevation of -22 feet NAVD88 is likely the transition zone between the intermediate unit of glacially consolidated soil and the poorly graded dense advance glacial outwash sand. In some areas where the intermediate glacially consolidated unit is thin or absent, the top of the outwash sand is encountered at shallower depths. The glacial outwash has been noted to be underlain by very dense fine-grained soil during drilling of borings several hundred feet northwest of the Block 38 West Property.

Three general water-bearing zones are present at the Block 38 West Site:

- The uppermost water-bearing zone encountered in the fill and underlying recent deposits is referred to as the Shallow Water-Bearing Zone. The Shallow Water-Bearing Zone at the Block 38 West Property varied in thickness from approximately 5 to 15 feet and was encountered at depths ranging from approximately 5 to 8 feet bgs. Monitoring wells formerly located at the Block 38 West Property were screened within the Shallow Water-Bearing Zone, with the exception of monitoring wells FMW-130, FMW-136, FMW-144 through FMW-147, and FMW-149, which were screened in glacially consolidated deposits comprising the Intermediate Water-Bearing Zone described below. Monitoring wells FMW-137 and FMW-138, which are located just off the Block 38 West Property, are screened in the outwash sand deposits comprising the Deep Outwash Aquifer that is also described below (Figure 3).
- A deeper water-bearing zone below the Shallow Water-Bearing Zone, referred to as the Intermediate Water-Bearing Zone, was present in the glacially consolidated soil at the Block 38 West Property encountered at approximate elevations of 5 to 10 feet NAVD88 (at depths of approximately 15 to 20 feet bgs). The Intermediate Water-Bearing Zone was continuous across the Block 38 West Property. Based on previous subsurface investigations, the Shallow Water-Bearing Zone at the Block 38 West Property was in direct communication with the Intermediate Water-Bearing Zone (i.e., there was no aquitard observed separating these groundwater-bearing zones).
- The third water-bearing zone is referred to as the Deep Outwash Aquifer, the top of which is present at approximate elevations of -30 and -40 feet NAVD88 (approximately 55 to 65 feet bgs) in dense advance outwash sand deposits consisting of sand with minor

silt. The Deep Outwash Aquifer is continuous across the Block 38 West Property. The thickness of the Deep Outwash Aquifer at the Block 38 West Site is not known. Based on previous subsurface investigations and observed water levels, the Intermediate Water-Bearing Zone at the Block 38 West Property is in direct communication with the Deep Outwash Aquifer (i.e., there was no laterally continuous aquitard observed separating these groundwater-bearing zones).

3.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

Subsurface investigations have been conducted on the Block 38 West Site since 1994. This section summarizes the activities and results from previous subsurface investigations and independent interim actions conducted at the Block 38 West Site. Results of the subsurface investigations conducted at the Block 38 West Site are summarized below. The objectives of the subsurface investigations were to obtain lithologic, hydrogeologic, and analytical data to characterize environmental conditions.

Boring locations associated with these investigations are shown on Figure 3. Soil and groundwater data are summarized on Figures 3 through 20, presented in Tables 1 through 11, and discussed below. Copies of boring logs are provided in Appendix A and laboratory analytical reports are provided in Appendix B.

3.1 PHASE II SOIL INVESTIGATION – DAMES & MOORE, 1994

The 1999 EA Update referenced previous work performed, including a Phase II soil investigation performed by Dames & Moore on the Block 38 West Site in 1994. The 1994 soil investigation was performed in the area where a 1,500-gallon heating oil UST was removed in 1989 from the sidewalk north-adjacent to Republican Street, along the south property boundary of the Block 38 West Property (Figure 2). The results from the 1994 soil investigation indicated that no petroleum-contaminated soil was present beneath the former heating oil UST; there was no evidence of leakage from the UST during the removal process; and groundwater reportedly was not encountered. Information regarding the sample locations during that investigation was not provided in the documents available for review.

3.2 GEOTECHNICAL INVESTIGATION – GEOENGINEERS, 2018

GeoEngineers performed geotechnical engineering services at the Block 38 Property in August 2018. The results of the geotechnical investigation were summarized in the draft *Geotechnical Engineering Services, Block 38, Seattle, Washington* dated September 17, 2018, prepared by GeoEngineers (2018) (2018 Geotechnical Report).

The 2018 Geotechnical Report summarized the subsurface conditions that were observed during the advancement of borings FB-01 through FB-06 and borings for monitoring wells FMW-132 through FMW-136 (Figure 3). The borings were completed to depths ranging from 10 to 51.5

feet bgs. Soil samples collected during the advancement of the borings were evaluated for moisture content, fines content, organic content, and Atterberg limits. Based on the evaluation of the geotechnical data collected for the Block 38 West Site, the following soil conditions were identified by GeoEngineers:

- Fill: Fill generally consisted of very loose to medium dense silty sand with variable gravel, rubble (brick) and wood fragments, and soft to medium stiff silt and sandy silt. Wood waste was present in the lower portion of the fill soil from approximate elevation 24 to 1 feet NAVD88. Fill at the Block 38 West Site was observed to be up to approximately 17 feet thick.
- Peat/Organic Silt Layer: A layer of organic material was encountered below the fill and generally consisted of very soft to stiff peat, organic silt, and organic clay. The peat/organic silt layer was observed to be up to approximately 9 feet thick and generally did not extend below an approximate elevation of 5 to 10 feet NAVD88.
- Recent Deposits: Recent deposits were encountered below the peat/organic silt layer and generally consisted of medium dense sand with variable silt and gravel content and medium stiff to very stiff silt with variable sand content. Recent deposits are up to approximately 18 feet thick.
- Glacially Consolidated Soil: Glacially consolidated soil was encountered below the recent deposits and generally consists of dense to very dense sand with variable silt and gravel content and very stiff to hard silt with variable sand and gravel content. Glacially consolidated soil represents competent foundation-bearing soil. The contact to glacially consolidated soil typically slopes down to the north toward Lake Union. The contact elevation to glacially consolidated soil ranges from approximate elevations of -6 to -11 feet NAVD88.

GeoEngineers estimated the regional water table at an elevation of 20 feet NAVD88 based on observed groundwater conditions in monitoring wells installed on adjacent properties and GeoEngineers' experience in the South Lake Union area. GeoEngineers further stated that the regional water table in the vicinity of the Block 38 West Site is influenced by recharge from Queen Anne Hill and Capitol Hill, infiltration of surface water, temporary dewatering activities, and changes in the water level in Lake Union. The 2018 Geotechnical Report also suggests that the 72-inch-diameter King County sewer main line in the Republican Street right-of-way and its backfill, south of the Block 38 West Site, influence groundwater levels locally through leakage

into the drain. The 2018 Geotechnical Report stated that the Block 38 West Site is near the groundwater divide where water either flows toward Lake Union to the north or toward Elliott Bay to the southwest.

3.3 SUBSURFACE INVESTIGATIONS – FARALLON CONSULTING, 2014 THROUGH 2020

Farallon conducted various subsurface investigations at and adjacent to the Block 38 West Site between 2014 and 2020. The objectives of the subsurface investigations were to obtain lithologic, hydrogeologic, and analytical data to characterize environmental conditions at the Block 38 West Site, and, in part, to facilitate implementation of the independent interim remedial action conducted during the planned redevelopment project under the auspices of the AO. These activities are summarized below.

- **2014 Subsurface Investigation**

  The 2014 subsurface investigation included the installation of monitoring well FMW-130 in the Intermediate Water-Bearing Zone (Figure 3). Monitoring well FMW-130 was installed in July 2014 using a sonic drill rig operated by Cascade Drilling, L.P. of Woodinville, Washington. Monitoring well FMW-130 was installed to a depth of 60 feet bgs. Select soil, reconnaissance groundwater, and groundwater samples were submitted for laboratory analysis for one or more of the following: total petroleum hydrocarbons as gasoline- and as diesel-range organics (GRO and DRO) and ORO; benzene, toluene, ethylbenzene, and xylenes (BTEX); PAHs and other semivolatile organic compounds (SVOCs); and volatile organic compounds (VOCs), including CVOCs.

- **2017 Groundwater Monitoring**

  Monitoring well FMW-130 was sampled on July 3, 2017 using U.S. Environmental Protection Agency (EPA) low-flow groundwater sampling procedures. The groundwater sample analytical methods are described in the 2017 Groundwater Monitoring event summarized in the 2019 IAWP (Farallon 2019b) and the sample was analyzed for the following constituents: GRO; BTEX; and CVOCs.

- **2018 Subsurface Investigations and Groundwater Monitoring**

  Subsurface investigation activities conducted in 2018 included advancement of six borings (FB-01 through FB-06) and installation of five monitoring wells (FMW-132

through FMW-136) in August 2018; installation of monitoring wells FMW-137 and FMW-138 in November 2018; and groundwater monitoring activities.

In August, FB-01 through FB-06 and monitoring wells FMW-132 through FMW-136 were installed to assess soil and groundwater conditions in the Shallow and Intermediate Water-Bearing Zones (Figure 3). The 11 borings were drilled to depths ranging from 10 to 51.5 feet bgs. Monitoring wells FMW-132 through FMW-135 were screened in the Shallow Water-Bearing Zone at depths ranging from approximately 5 to 17 feet bgs (elevations between 20.7 and 8.4 feet NAVD88), and monitoring well FMW-136 was screened in the Intermediate Water-Bearing Zone at a depth of 30 to 40 feet bgs (elevation of -5 to -15 feet NAVD88). Select soil and groundwater samples were collected from the 11 locations and were submitted for analysis for one or more of the following constituents: GRO; DRO and ORO; BTEX; CVOCs; PAHs and other SVOCs, and metals. The methodology for the 2018 subsurface investigation of the Shallow and Intermediate Water-Bearing Zones is summarized in the 2019 IAWP (Farallon 2019b).

In November, Deep Outwash Aquifer monitoring wells FMW-137 and FMW-138 were installed proximate to the northeastern and southeastern corners of the Block 38 West Property to evaluate groundwater quality in the Deep Outwash Aquifer (Figure 3). Monitoring well FMW-137 was screened at a depth of 72 to 85 feet bgs (elevation of -42 to -55 feet NAVD88) and monitoring well FMW-138 was screened at a depth of 90 to 100 feet bgs (elevation of -50 to -60 feet NAVD88). The methodology for the 2018 subsurface investigation and groundwater monitoring of the Deep Outwash Aquifer is summarized in the 2019 IAWP (Farallon 2019b).

Monitoring wells FMW-130 and FMW-132 through FMW-136 were sampled on August 30 and December 28, 2018; and monitoring wells FMW-137 and FMW-138 were sampled on November 20 and December 28, 2018. All of the wells were sampled using EPA low-flow groundwater sampling procedures. The groundwater samples collected from FMW-130 and FMW-132 through FMW-136 were analyzed for GRO, DRO, ORO, BTEX, PAHs and other SVOCs, and CVOCs; the samples from FMW-137 and FMW-138 were only analyzed for CVOCs.

- **2019 Subsurface Investigation and Groundwater Monitoring**

  Supplemental subsurface investigation activities conducted in 2019 included advancement of three borings (FB-07 through FB-09) and installation of five monitoring wells (FMW-144 through FMW-147 and FMW-149) in December 2019; and groundwater monitoring activities (Figure 3). Select soil and groundwater samples from the December 2019 subsurface investigation were submitted for analysis for one or more of the following constituents: GRO; DRO and ORO; BTEX; CVOCs; and PAHs and other SVOCs.

  Groundwater monitoring events were conducted at monitoring wells FMW-130 and FMW-132 through FMW-136 in March 2019, at monitoring wells FMW-137 and FMW-138 in March (groundwater level measurements only, no groundwater samples were collected), May, and July 2019, and at monitoring wells FMW-144 through FMW-147 and FMW-149 in December 2019. Groundwater monitoring events were conducted at monitoring wells FMW-137 and FMW-138 in October and November 2019. Groundwater sampling was conducted using EPA low-flow groundwater sampling procedures. Samples were analyzed for one or more of the following constituents using the previously identified analytical methods: GRO; DRO and ORO; BTEX; CVOCs; and PAHs and other SVOCs.

- **2019 to 2020 Test Pit Investigation**

  Between December 2019 and February 2020, test pits TP-1 through TP-18 were advanced at the Block 38 West Property to support and update the existing conceptual site model, support soil profiles for disposal, and collect performance or confirmation soil samples during the course of the independent interim action (Figure 3). The test pits were advanced by Hos Bros. of Woodinville, Washington using the bucket of an excavator. Soil samples were collected from 12 of the 18 test pits and submitted for laboratory analysis for one or more of the following constituents: GRO; DRO and ORO; VOCs, including CVOCs and/or BTEX; PAHs, including cPAHs and total naphthalenes; total lead; 1,2-dibromoethane and 1,2-dichloroethane; polychlorinated biphenyls; and methyl tertiary-butyl ether.

- **2020 Monitoring Well Installation**

  Between June and July 2020, four new monitoring wells, FMW-150 through FMW-153, were installed at the Block 38 West Property (Figure 3). The monitoring wells were installed concurrent with the redevelopment of the Block 38 West Property through the basement slab of the P4 parking garage level. Monitoring wells FMW-150 through FMW-153 were screened in the Intermediate Water-Bearing Zone at depths of approximately 2 to 7 feet below the P4 parking garage slab (approximate elevations between -8.5 and -14.3 feet NAVD88). The monitoring well casings for FMW-150 through FMW-153 were extended up to the P1 parking garage level, above the pre-redevelopment static water elevation of the Intermediate Water-Bearing Zone. Soil samples were not retained during the well installation and no groundwater was present at the time of installation to allow for well development. The monitoring wells were developed on February 21 and 24, 2022 prior to initiating compliance groundwater monitoring.

The results of these investigations confirmed the presence of detectable GRO, DRO, ORO, BTEX, and PAHs (including cPAHs) in soil at the Block 38 West Property, primarily within the upper 15 feet of fill material. Detected concentrations of ORO, total naphthalenes, and cPAHs appeared to be the most prominent throughout the Block 38 West Property, with ORO as high as 9,000 milligrams per kilogram (mg/kg), total naphthalenes as high as 14.3 mg/kg, and total equivalent cPAHs as high as 21 mg/kg. Other compounds were detected in soil, but at a lower frequency and at relatively low concentrations. The lateral distribution of concentrations is illustrated on Figures 4 through 9 and vertical distribution is illustrated on Figures 17 through 20. Additional details and soil analytical data from these activities were provided in the Ecology-approved RI Work Plan (Farallon 2023).

Groundwater level measurements and corresponding elevations from the monitoring events are presented in Table 6, and interpreted groundwater elevation contours and flow direction in the Shallow Water-Bearing Zone are shown on Figure 10. These investigations also confirmed detectable petroleum hydrocarbons in groundwater within the Shallow and Intermediate Water Bearing Zones beneath the Block 38 West Property. Additional details and data regarding groundwater quality can be found in the RI Work Plan. The lateral distribution of concentrations is illustrated on Figures 11 through 16 and vertical distribution is illustrated on Figures 17 through 20.

4.0 INDEPENDENT INTERIM ACTION TECHNICAL ELEMENTS

This section provides a summary of the technical elements applicable to the independent interim action completed at the Block 38 West Site. Technical elements included identification of the ARARs, interim action objectives, COPCs, media of concern, TEE, and the screening levels appropriate for the Block 38 West Site.

4.1 PERMITS AND OTHER REGULATORY REQUIREMENTS

This section summarizes applicable local, state, and federal laws pertaining to the independent interim action, and the permitting and substantive requirements applicable to the independent interim action.

4.1.1 Applicable or Relevant and Appropriate Requirements

Pursuant to WAC 173-340-710, the independent interim action was conducted in compliance with applicable local, state, and federal laws, and include applicable regulatory guidelines. The cleanup standards, waste disposal criteria, and documentation standards are:

- MTCA (Chapter 70A.305 of the Revised Code of Washington [RCW]) and WAC 173-340);
- The Hazardous Waste Management Act (RCW 70.105);
- Washington State Solid Waste Management Laws and Regulations (RCW 70.95 and WAC 173-351 and 173-304);
- Dangerous Waste Regulations (WAC 173-303);
- Accreditation of Environmental Laboratories (WAC 173-50);
- The Occupational Safety and Health Act (Part 1910 of Title 29 of the Code of Federal Regulations [29 CFR 1910] and WAC 296-62);
- The State Environmental Policy Act (RCW 43.21C and WAC 197-11 and 173-802);
- Safety Standards for Construction Work (WAC 296-155); and
- Applicable local permits and ordinances indicated by the City of Seattle Municipal Code.

4.1.2 Permitting and Substantive Requirements

The following bullets describe the permitting and substantive requirements applicable to the independent interim action:

- **State Environmental Policy Act —** The State Environmental Policy Act (SEPA) (WAC 197-11) and the SEPA procedures (WAC 173-802) provide the framework for state agencies to evaluate the environmental consequences of a project and ensure appropriate measures are taken to mitigate environmental impacts. SEPA was applicable to the redevelopment project on the Block 38 West Property.

  Block 38 is in the South Lake Union neighborhood of downtown Seattle for which an Environmental Impact Statement (EIS) was previously prepared. The EIS, which was prepared by the City of Seattle and finalized in 2012, evaluated general environmental impacts and mitigation strategies for development projects within the South Lake Union neighborhood (City of Seattle 2012). City Investors IX prepared and submitted an addendum to the South Lake Union EIS in April 2019 that provided a site-specific analysis of environmental impacts and associated mitigation measures for the Block 38 West Property redevelopment project. The City of Seattle determined that the project will not have a significant adverse impact on the environment[4].

- **City of Seattle Master Use Permit —** City Investors IX obtained a Master Use Permit from the City of Seattle for the Block 38 West Property redevelopment project on the Block 38 West Property.
- **City of Seattle Grading and Shoring Permits —** City Investors IX obtained a grading permit from the City of Seattle. Substantive requirements of a grading permit included erosion control, which was addressed by implementation of best management practices in accordance with a project-specific temporary erosion and sediment control plan.
- **Historical and Cultural Resource Protections —** As required by state law, appropriate measures were taken to evaluate the potential presence of historical, archaeological, or cultural resources. City Investors IX prepared a Cultural Resources Assessment, which was submitted to the Washington State Department of Archaeology and Historic

[4] Record No. 3017466-LU, City of Seattle Analysis and Decision of the Director of the Seattle Department of Construction and Inspections; Notice of Decision issued July 2, 2019.

Preservation. The Washington State Department of Archaeology and Historic Preservation concurred with the findings of the Cultural Resources Assessment requiring archeological monitoring during excavations with potential to intersect native soil. In addition, City Investors IX prepared a Monitoring and Inadvertent Discovery Plan for the Block 38 West Property redevelopment project. Monitoring conducted by the archeologist over the course of the redevelopment did not yield any cultural resources of significance.

4.2 CONSTITUENTS OF POTENTIAL CONCERN

COPCs were selected based on the known historical uses of the Block 38 West Property and surrounding historical land use, historical fill known to have been placed in this area, former USTs encountered, and the potential for releases of contaminants at concentrations exceeding screening levels. The COPCs for soil and groundwater at the Block 38 West Site are:

- GRO;
- DRO and ORO;
- BTEX;
- VOCs, including CVOCs;
- PAHs and other SVOCs, including cPAHs and naphthalenes; and
- Metals (i.e., arsenic, cadmium, chromium, mercury, and lead).

COPCs retained for the Block 38 West Site independent interim action consist of those hazardous substances that were detected in soil or groundwater samples collected from the Block 38 West Property at concentrations exceeding screening levels or other applicable MTCA screening criteria.

The COPCs for the independent interim action for soil are:

- GRO;
- DRO;
- ORO;
- Benzene;
- Total naphthalenes; and

- Total cPAHs toxic equivalent concentration.

The COPCs for the independent interim action for groundwater are:

- DRO;
- ORO;
- Benzene; and
- Total naphthalenes.

Chloroform was detected at a concentration exceeding the screening level in a groundwater sample collected from monitoring well FMW-136 on August 30, 2018. Chloroform was detected in two other groundwater samples and in the water sample collected from the potable water supply, which was used during drilling (Farallon 2018). Chloroform is a by-product of the treatment of municipal water supplies and a common contaminant in analytical laboratories; therefore, chloroform was not retained as a COPC for groundwater. Potable water was introduced to the subsurface during drilling to help control heaving sands and was subsequently recovered during well development. Potable water also can be introduced to the subsurface from leaking water supply and/or sewer lines.

4.3 MEDIA OF CONCERN

The confirmed media of concern at the Block 38 West Site, which will be evaluated during the remedial investigation, are soil and groundwater. Indoor air and surface water (via stormwater discharge) will be retained as media of potential concern until sufficient information has been collected during the remedial investigation to demonstrate that these pathways are incomplete.

The media of concern identified for the independent interim action conducted at the Block 38 West Site are soil and groundwater.

4.4 POTENTIAL RECEPTORS AND EXPOSURE PATHWAYS

The potential exposure risks to human health and the environment associated with the presence of hazardous substances in soil and/or groundwater at the Block 38 West Site were evaluated. This subsection presents the evaluation and conclusions pertaining to the potential exposure pathways associated with the Block 38 West Site interim action.

4.4.1 Soil to Groundwater

Based on subsurface results, the soil to groundwater pathway is potentially complete. The interim action conducted at the Block 38 West Site removed soil with hazardous substances detected at concentrations exceeding screening levels to the maximum extent practicable within the limits of the construction excavation. The soil to groundwater pathway is potentially complete and will be evaluated as part of the remedial investigation activities for the Block 38 West Site.

4.4.2 Soil Direct Contact

Soil containing hazardous substances detected at concentrations exceeding screening levels was removed from the Block 38 West Property to the maximum extent practicable within the limits of the construction excavation. The standard point of compliance for the direct contact exposure pathway for soil is a depth of 15 feet bgs for human health and 6 feet bgs for terrestrial receptors (WAC 173-340-740[6][d] and WAC 173-340-7490[4][b]). Hazardous substances at concentrations exceeding screening levels were detected in shallow soil at the Block 38 West Property boundary, primarily within the upper 15 feet of fill material, following excavation for the new building. This contamination presents a risk of direct contact with soil, which comprises both the dermal contact and ingestion pathways, if the improvements covering the contamination such as concrete roads are removed.

Hazardous substances remaining in soil at the Block 38 West Site after completion of the independent (Property) interim action and Alley interim action are covered by the current buildings, pavement, and sidewalks, effectively eliminating the direct contact exposure pathway. Institutional Controls such as an Ecology-approved Environmental Covenant will be required for maintaining the barriers to eliminate potential exposure.

4.4.3 Groundwater Ingestion/Drinking Water Beneficial Use

Groundwater conditions after the independent interim action at the Block 38 West Property and Alley interim action will be evaluated as part of the remedial investigation activities for the Block 38 West Site. Contact with shallow groundwater during ground intrusive construction work is considered a potential exposure pathway, which can include both incidental ingestion of water and inhalation of volatile vapors. Groundwater in the vicinity of the Block 38 West Site is not a current source of drinking water and its use as such in the future is very unlikely. There are no drinking water production wells proximate to the Block 38 West Site. Service water is

collected in the Tolt and Cedar River watersheds and provided by the City of Seattle. Regardless, future use of groundwater as a drinking water source must be presumed, consistent with WAC 173-340-720(1)(a). Therefore, ingestion of contaminated groundwater (drinking water) is a potential future exposure pathway. If remedial investigation activities confirm impacts to groundwater at concentrations exceeding final cleanup levels, an institutional control may need to be implemented to restrict future groundwater use.

4.5 TERRESTRIAL ECOLOGICAL EVALUATION

A TEE is required by WAC 173-340-7490 at any site where there has been a release of a hazardous substance to soil. The regulation requires that one of the following actions be taken:

- Documenting a TEE exclusion using the criteria presented in WAC 173-340-7491;
- Conducting a simplified TEE in accordance with WAC 173-340-7492; or
- Conducting a site-specific TEE in accordance with WAC 173-340-7493.

Based on the criteria for TEE exclusion in WAC 173-340-7491(1)(c)(i), the Block 38 West Site is excluded from a TEE because there is less than 1.5 acres of contiguous undeveloped land on the Site or within 500 feet of any area of the Site; the Site is not contaminated with the hazardous substances listed in WAC 173-340-7491(1)(c)(ii); and based on the criteria in WAC 173-340-7491(1)(b), all soil contaminated with hazardous substances is, or will be, covered by buildings, paved roads, pavement, or other physical barriers that will prevent plants or wildlife from being exposed to the soil contamination. No further consideration of ecological impacts is required under MTCA. The Ecology Terrestrial Ecological Evaluation Form is provided in Appendix C.

4.6 SCREENING LEVELS

Screening levels are established based on the potential exposure pathways and receptors to identify a conservative basis for defining the extent of contamination for each hazardous substance and media at a site. The screening levels may or may not be selected as the cleanup levels in the Cleanup Action Plan. MTCA Method A soil cleanup levels for unrestricted land use and MTCA Method A groundwater cleanup levels for potable groundwater are appropriate screening levels for the Block 38 West Site because there are a limited number of hazardous substances in soil and groundwater and because of the proposed future land use as a mixed-used commercial building. The development of screening levels for the Block 38 West Site is

presented in the RI Work Plan. The screening levels for COPCs in soil for the independent interim action at the Block 38 West Site are:

- GRO: 30 mg/kg;
- DRO: 2,000 mg/kg;
- ORO: 2,000 mg/kg;
- DRO + ORO: 2,000 mg/kg;
- Benzene: 0.03 mg/kg;
- Total naphthalenes: 5 mg/kg; and
- cPAHs: 0.1 mg/kg.

The screening levels for COPCs in groundwater for the independent interim action at the Block 38 West Site are:

- DRO: 500 µg/l;
- ORO: 500 µg/l;
- DRO + ORO: 500 µg/l;
- Benzene: 5 µg/l; and
- Total naphthalenes: 160 µg/l.

4.7 CONFIRMED AND SUSPECTED SOURCES OF CONTAMINATION

The inferred sources of contamination at the Block 38 West Site are presented below. Adjacent properties with documented and confirmed releases of hazardous substances associated with historical operations described in Section 2 that potentially have migrated to the Block 38 West Property via soil, surface water runoff, and/or groundwater transport are also summarized below. Although the final determination of sources will be defined in later reports, this section presents preliminary conclusions regarding contaminant sources based upon data gathered during the independent interim action.

4.7.1 Block 38 West Property

Based on the results of subsurface investigations and the independent interim action completed to date by Farallon, the following historical operations and/or features were confirmed as sources

of soil and/or groundwater contamination at the Block 38 West Property: historical placement of impacted fill soil; impacted fill soil located within wood debris associated with the former lumber mill operations on Block 38; former timber pilings associated with historical buildings; oil encountered in a sanitary sewer line at the southeastern portion of the Block 38 West Property and efforts to evaluate the sanitary sewer line indicated no specific point of release or former feature the sanitary sewer line was connected with; a coal fill layer ranging in thickness from 4 to 6 inches was encountered across the east-central and northern portions of the Block 38 West Property at approximate elevation 20 feet NAVD88; and localized impacts associated with former bunker fuel oil USTs encountered in the northwestern portion of the Block 38 West Property. Farallon observed that the fill soil layer varied in thickness from 5 to 10 feet, with a coal fill layer observed at shallow depths during the mass excavation and in the east-central mass excavation sidewall. Beneath the fill soil layer, the wood debris layer varied in thickness from 10 to 20 feet, was thickest along the northern and northeastern Block 38 West Property boundaries, and is attributed to former lumber mill operations and lumber storage and former timber pilings associated with historical buildings on Block 38. Accordingly, silt and underlying silty sand could potentially contain COPCs associated with fill and wood debris (Farallon 2018).

4.7.2 Alley

Based on the results of subsurface investigations and the independent interim action completed to date, the following historical features were confirmed as sources of soil contamination at the Alley: historical placement of impacted fill soil; wood debris associated with the former lumber mill operations on Block 38; a coal fill layer encountered in the southern and central portions of the Alley; and localized impacts associated with former railroad trestle and former timber pilings.

An impacted fill layer consisting of sand, silt, coal fragments, and wood chips and organic material was observed from approximate elevation of 25 to 15 feet NAVD88 and is attributed to historical fill operations at Block 38 along the original southern shoreline of Lake Union.

4.7.3 Block 37 Property – Block 37 Site

GRO, BTEX, DRO, ORO, kerosene, naphthalene, methyl tert-butyl ether, cPAHs, and lead were detected at concentrations exceeding the applicable MTCA cleanup levels in soil and/or groundwater at the former service stations and other automobile-related businesses at the Block 37 Property, with confirmed impacts to the adjacent Mercer Street and Westlake Avenue North rights-of-way proximate to the Block 38 West Property. Ecology (2018) determined that further

remedial action was necessary at the Westlake 76 Station Site. Remedial actions completed at the former Westlake 76 Station facility have reduced the mass associated with former releases at the facility and beneath the Mercer Street right-of-way. Although impacts to soil and groundwater associated with the Westlake 76 Station facility have been documented proximate to the north and northwest property boundaries of the Block 38 West Property, soil samples collected from the northern and northwestern sidewalls of the mass excavation did not detect petroleum hydrocarbon constituents at concentrations exceeding screening levels except in a localized area associated with a former UST product line, as described above. Potential residual impacts from the Block 37 Site to groundwater will be further evaluated under the RI for the Block 38 West Site and the RI for the Block 37 Site.

4.7.4 Block 38 East Property – Rosen Property Site

Based on the results of subsurface investigations and the independent interim action completed to date, the following historical operations and/or features were confirmed as sources of soil and/or groundwater contamination at Lots 1 through 5 of the Block 38 East Property: historical placement of impacted fill soil; wood debris associated with the former lumber mill operations on Block 38; USTs associated with the former gasoline service station; and the fuel yard associated with coal storage.

Releases of petroleum hydrocarbons, metals (lead and cadmium), and PAHs, including naphthalenes and cPAHs, were confirmed on Lots 1 through 5 at the Block 38 East Property. An impacted fill layer consisting of sand, silt, wood chips, and coal fragments was observed from approximate elevation of 25 to 21 feet NAVD88 and a wood debris layer was encountered at elevations ranging from 21 to 14 feet NAVD88 across Lots 1 through 5 and may be attributed to historical fill operations at this city block along the original southern shoreline of Lake Union.

A release from a heating oil UST associated with the Rosen Building on Lot 6 of the Block 38 East Property was confirmed during the permanent decommissioning and removal of the UST in 1994 (GeoEngineers 1999). Available information indicates that residual DRO and ORO were detected in soil samples collected north of the former heating oil UST excavation area, which exceeded MTCA cleanup levels at that time but do not exceed current MTCA Method A cleanup levels and were reportedly not detected in groundwater (GeoEngineers 1999). Based on the information available, it is not clear whether the monitoring well was down-gradient of the UST excavation area.

DRO and ORO were detected at relatively low concentrations (72 and 470 mg/kg, respectively) in a soil sample collected at an elevation of 20 feet NAVD88 from boring FB-11 advanced west of the former heating oil UST in the Alley.

4.7.5 Firestone Tire & Rubber Co. Property

Based on the results of subsurface investigations and UST decommissioning and removal, the following historical operations and/or features were confirmed as sources of soil and/or groundwater contamination at the Firestone Tire & Rubber Co. Property: historical placement of impacted fill soil; USTs associated with the former gasoline service station; and former vehicle maintenance activities.

Releases of petroleum hydrocarbons were confirmed during the UST decommissioning activities; however, petroleum hydrocarbons were not detected at concentrations exceeding applicable MTCA cleanup levels and groundwater was not encountered during the UST decommissioning. An independent cleanup was implemented at the Firestone Tire & Rubber Co. Property, which includes the mass excavation of soil for a subgrade parking garage and associated construction dewatering system that reportedly began operating in December 2020 and ceased pumping in or about September 2021.

Based on groundwater elevations being monitored at the Block 38 West Property, static groundwater conditions were not achieved at the Block 38 West Property until December 2021, a few months after the construction dewatering system on the Firestone Tire & Rubber Co. Property ceased operations (Table 6). A summary of the groundwater elevations surrounding the Block 38 West Property and in the vicinity of the Block 38 West Property are provided in Appendix D and in the RI Work Plan for the Block 38 West Site.

4.7.6 Additional Surrounding Sites

This section summarizes nearby properties with documented and confirmed releases of hazardous substances associated with historical operations described in Section 2 that potentially have migrated near or to the Block 38 West Property via groundwater transport.

4.7.6.1 Block 32 North Building – City Place III Site

PCE and vinyl chloride were detected at concentrations exceeding applicable MTCA cleanup levels in soil and groundwater post cleanup action at the Block 32 North Building – City Place III Site. There was a potential for the construction dewatering

system on the Block 38 West Property to intercept the potential residual PCE and vinyl chloride groundwater impacts from the northern portion of the Block 32 North Building – City Place III Site. In accordance with Ecology's Administrative Order Docket No. 16629 for the National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit and King County Industrial Waste (KCIW) Discharge Authorization No. 4493-02, City Investors monitored the performance of the construction dewatering treatment systems and collected performance and compliance discharge water samples from each system, as further described in Section 5.2, Construction Dewatering and Treatment. Influent performance water samples collected from the construction dewatering treatment system associated with dewatering wells installed along the eastern and southern portions of the Block 38 West Property were collected on a weekly basis and PCE and vinyl chloride were not reported at concentrations exceeding the laboratory practical quantitation limit (PQL).

4.7.6.2 American Linen CVOC Plume

The American Linen Supply Co. – Dexter Avenue Site has confirmed releases of CVOCs to soil and groundwater at concentrations exceeding site-specific cleanup levels. Confirmed impacts to groundwater associated with the American Linen CVOC Plume extend northeast past Valley Street, south across Roy Street, and east across Westlake Avenue North onto the western portion of the Block 37 Property. Prior to construction dewatering at the Block 38 West Property, the American Linen CVOC Plume impacted groundwater at concentrations less than MTCA cleanup levels in the lower portion of the Intermediate Water-Bearing Zone and Deep Outwash Aquifer beneath the Block 38 West Property; however, the full extent of groundwater impacts at concentrations less than MTCA cleanup levels has not been identified.

cDCE was detected at concentrations less than the MTCA Method B cleanup level in the Intermediate Water-Bearing Zone and Deep Outwash Aquifer beneath the Block 38 West Property prior to startup of the construction dewatering system. Historical groundwater sampling of the Shallow-Water Bearing Zone on the Block 38 West Property (including monitoring wells FMW-130 and FMW-132 through FMW-135) (Table 8) confirms that no shallow sources of CVOCs to groundwater are present either on, or in the vicinity of, the Block 38 West Property. Available analytical data for groundwater samples collected from the lower portion of the Intermediate-Water Bearing Zone and/or Deep Outwash

Aquifer indicate that cDCE impacts are associated with the American Linen CVOC Plume.

Given that the static (non-pumping) groundwater flow direction in the Deep Outwash Aquifer at and immediately up-gradient of the Block 38 West Property is southerly and that concentrations of CVOCs exceeding the applicable screening levels currently being used for the American Linen CVOC Plume are present east of 9th Avenue North, migration of the American Linen CVOC Plume to the Block 38 West Site was confirmed with performance groundwater monitoring of the Deep Outwash Aquifer. The purpose of performance groundwater monitoring conducted during construction dewatering at the Block 38 West Property was to monitor concentrations of CVOCs in groundwater associated with the American Linen CVOC Plume and as further described in the Technical Memorandum regarding Groundwater Monitoring Program, South Lake Union Block 38 West Property dated January 13, 2020 (Farallon 2020a). A summary of the performance groundwater monitoring scope and schedule, groundwater elevations, and laboratory analytical results for CVOCs in groundwater samples collected is provided in Appendix D. A post-dewatering groundwater monitoring event did not occur as described in the Technical Memorandum regarding Groundwater Monitoring Program (Farallon 2020a) because the groundwater elevations and flow did not return to static (natural) conditions due to ongoing construction dewatering at the Firestone Tire and Rubber Co. Site to the south of the Block 38 West Site.

5.0 INDEPENDENT INTERIM ACTION

Investigations conducted at the Block 38 West Property have identified hazardous substances in soil and groundwater at concentrations exceeding applicable screening levels. The independent interim action reduced the threat to human health and the environment by removal of impacted soil, the Shallow Water-Bearing Zone, and the upper portion of the Intermediate Water-Bearing Zone from within the property boundary during the Block 38 West Property redevelopment project. Components of the independent interim action included excavation of impacted soil to eliminate source material, construction dewatering and treatment of contaminated groundwater, installation of a vapor barrier around the entire perimeter and below the building foundation, and construction of the exterior walls and floor slab for the underground portion of the building using waterproof concrete.

The independent interim action has been conducted to meet the requirements of MTCA as defined in WAC 173-340-430. The scope of work for the independent interim action was developed in accordance with Ecology requirements and guidance, including MTCA. The independent interim action is part of the final cleanup action, but did not foreclose reasonable alternatives for the final cleanup action at the Block 38 West Site based upon known conditions at the Block 38 West Site.

Redevelopment of the Block 38 West Property began in late October 2019 and entailed construction of a multi-story mixed-use building with 12 stories above street level and 4 levels of underground parking. The finished floor elevation of the lowest level of parking is -3.25 feet NAVD88. Construction of the new building required mass excavation across the entire Block 38 West Property to approximate elevation -6.5 feet NAVD88 or approximately 30 to 35 feet below existing grade. Excavation for elevator cores and deeper structural features extended below the mass excavation subgrade. The excavation sidewalls were retained using soldier pile and lagging shoring methods in conjunction with four rows of tiebacks.

5.1 INDEPENDENT INTERIM ACTION OBJECTIVE

The objective of the independent interim action was to reduce the threat to human health and the environment at the Block 38 West Property. Impacted soil was transported off the Block 38 West Property for disposal at permitted treatment, storage, and disposal facilities. The independent interim action also removed the Shallow Water-Bearing Zone and the upper portion of the Intermediate Water-Bearing Zone beneath the Block 38 West Property. The extraction and

treatment of contaminated groundwater was designed to prevent dissolved hazardous substances from entering the Block 38 West Property and to remove contaminant mass from groundwater with dissolved hazardous substances withdrawn by permitted construction dewatering system. The new building foundation design included the installation of a vapor barrier around the entire perimeter and beneath the building foundation to mitigate the potential vapor intrusion exposure pathway.

5.2 CONSTRUCTION DEWATERING AND TREATMENT

To facilitate redevelopment of the Block 38 West Property, construction dewatering was required. The construction dewatering system was implemented per the Middour Consulting LLC (2018) groundwater control plan and specifications to draw groundwater below the maximum excavation depth required for the redevelopment design. The final groundwater control plan design included nineteen dewatering wells: seventeen 12-inch-diameter dewatering wells (DW-1 through DW-17), and two 6-inch-diameter dewatering wells (DW-18A and DW-18B) (Figure 3). The dewatering wells were installed in 30- to 36-inch-diameter boreholes drilled outside the perimeter of the Block 38 West Property and screened from an elevation of 10 to -30 feet NAVD88 to extract groundwater at a combined rate of about 800 gallons per minute after approximately 1 week of pumping, tapering to approximately 540 gallons per minute after a period of approximately 1 month of operation. Each well was equipped with a pump capable of initially discharging up to 100 gallons per minute under 70 feet of total dynamic head.

The construction dewatering wells were installed during December 2019 and January 2020. The construction dewatering wells adjacent to the northern and western portions of the Block 38 West Property started pumping in early January 2020 and the dewatering wells adjacent to the eastern and southern portions of the Block 38 West Property started pumping in late January 2020. Initially the system produced approximately 650 to 700 gallons per minute and longer-term averaged produced approximately 300 to 350 gallons per minute.

The construction dewatering system was able to achieve drawdown to an approximate elevation of -10 feet NAVD88 across the Block 38 West Property, within the Intermediate Water-Bearing Zone, for a period of up to approximately 12 to 15 months. The groundwater elevation was monitored around the perimeter of the building by the geotechnical engineer through a series of five observation wells (OW-1 through OW-5) (Figure 3) that were generally screened from elevation -10 to -20 feet NAVD88 (Table 6). The dewatering system achieved drawdown to an elevation of -10 feet NAVD88. The dewatering system was operated continuously until the

excavation was complete, the exterior walls and the floor slab were constructed with a vapor barrier around the entire building envelope and waterproof concrete below the water table, and sufficient structural weight of the building was in place to counteract buoyancy.

A water treatment system was constructed per plans and specifications provided by WaterTectonics of Everett, Washington and was present on the Block 37 Property. The water treatment system was connected to the dewatering wells via headers and conveyance lines under Mercer Street. The construction dewatering system had three separate water conveyance lines: a west conveyance line associated with dewatering wells on the western and northern Block 38 West Property boundaries; an east conveyance line associated with dewatering wells on the eastern and southern Block 38 West Property boundaries; and a stormwater conveyance line. The water treatment system was comprised of baffled sedimentation tanks, an air stripper and associated vapor-phase granular activated carbon and potassium permanganate zeolite vessels, liquid-phase granular activated carbon vessels, and contingency measures for pH balancing to treat the groundwater extracted from the Block 38 West Property.

The water treatment system treated groundwater extracted from the Shallow and Intermediate Water-Bearing Zones and the Deep Outwash Aquifer, and any stormwater generated during construction activities, sufficient to achieve permit requirements prior to discharge to Lake Union or, alternatively, to meet criteria for discharge to the municipal sanitary sewer. Compliance discharge water samples were collected in accordance with Ecology's Administrative Order Docket No. 16629 for the NPDES Construction Stormwater General Permit and KCIW Discharge Authorization No. 4493-02. The constituents of potential concern listed in the NPDES Construction Stormwater General Permit or KCIW Discharge Authorization were either reported non-detect at the laboratory PQL or less than the established NPDES or KCIW discharge limits, as applicable, in effluent samples collected from the combined outfall of the water treatment systems.

The construction dewatering and treatment system was shut down on March 24, 2021. The 19 dewatering wells (DW-1 through DW-17, DW-18A, and DW-18B) associated with the construction dewatering system were decommissioned on April 26, 2021. During the system operation between January 2020 and March 2021, a total of approximately 186,500,000 gallons of water from the construction dewatering system and stormwater were collected, treated, and discharged via a private stormwater lateral to the City of Seattle stormwater system and approximately 2,545,000 gallons of water from the construction dewatering system and

stormwater were collected, treated, and discharged via the municipal sanitary sewer. Compliance discharge water samples were routinely collected in accordance with the NPDES Construction Stormwater General Permit and KCIW Discharge Authorization. Results of compliance discharge sampling are provided in Appendix E.

As part of the independent interim action and as presented in the IAWP (Farallon 2019b), performance groundwater monitoring was conducted during construction dewatering activities at, and in the vicinity of, the Block 38 West Property for the Deep Outwash Aquifer. The purpose of the performance groundwater monitoring was to monitor concentrations of CVOCs in groundwater associated with the American Linen CVOC Plume and is further described in the Technical Memorandum regarding Groundwater Monitoring Program, South Lake Union Block 38 West Property dated January 13, 2020 (Farallon 2020a). The data collected during the groundwater monitoring program was also used to assess treatment options for extracted groundwater and make any necessary modifications to the dewatering treatment system to ensure permit compliance (Appendix D). Groundwater performance monitoring continued throughout construction dewatering operations with the last performance monitoring event conducted in February 2021.

5.3 MONITORING WELL DECOMMISSIONING

The monitoring wells on the Block 38 West Property that were installed during the subsurface investigations 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. Malcolm Drilling of Kent, Washington decommissioned monitoring wells FMW-130, FMW-132, and FMW-133 on November 4, 2019, and FMW-134 and FMW-136 on February 13, 2020. Anderson Environmental Contracting, LLC of Kelso, Washington decommissioned monitoring well FMW-148 on December 23, 2019 and monitoring wells FMW-135, FMW-144 through FMW-147, and FMW-149 on January 8, 2020. A summary of monitoring well construction details and date of decommissioning is provided in Table 11.

5.4 EXCAVATION OBSERVATION AND SOIL SAMPLING

Prior to initiating mass excavation, the Block 38 West Property was divided into 30- by 30-foot excavation grid areas to characterize and estimate volumes of contaminated soil prior to excavation, and to guide the mass excavation throughout the excavation activities. Each excavation cell was assigned a unique alphanumeric identifier based on rows numbered 1

through 4 and columns lettered A to N, which correspond to soil samples collected during the excavation.

Based on previous investigations and performance soil samples collected during the independent interim action, soil with detectable concentrations of COPCs extended to an approximate elevation of 0 feet NAVD88 for the northern half of the Block 38 West Property and to 5 to 10 feet NAVD88 across the majority of the Block 38 West Property. Soil encountered with detectable concentrations of COPCs (i.e., whether exceeding or less than screening levels) were managed and disposed of off property as a nonhazardous waste at a permitted landfill.

Performance soil samples were collected by Farallon at the Block 38 West Property during previous investigations and during the independent interim action. Performance soil sampling points were used as confirmation soil sampling points where analytical results for performance soil samples confirmed that screening levels were attained above or at the final limits of the excavation.

Installation of shoring piles started in November 2019 and was completed in January 2020. Mass excavation activities started in January 2020 and were completed in June 2020. Excavation soil with detectable concentrations of COPCs removed during construction of the building required special handling and disposal measures beyond those used for handling and disposing of clean soil. Soil with detectable concentrations of COPCs was excavated, segregated, stored temporarily, and disposed of off the Block 38 West Property in accordance with Washington State Solid Waste Management Laws and Regulations (RCW 70.95 and WAC 173-351 and 173-304) and the *Guidance for Remediation of Petroleum Contaminated Sites* revised June 2016 (Ecology 2011) (Ecology Petroleum Guidance). Management of soil with detectable concentrations of COPCs was conducted concurrently with other construction activities such as shoring, dewatering, and excavation of clean soil that meets criteria for reuse as clean fill or other acceptance criteria for disposal at an off-Property facility; and was conducted in accordance with the procedures described in the IAWP (Farallon 2019b).

A summary of the performance soil sample analytical results and the approximate areas of Impacted Soil are provided on Figures 4 through 9. A summary of confirmation soil sample locations and elevations are provided on Figures 23 through 28. A summary of soil sample analytical results for applicable COPCs are provided in Tables 1 through 5. Farallon conducted a Level I Compliance Screening on all the analytical data and a data validation report was prepared in accordance with the QA/QC criteria as recommended in the methods identified in the National

Functional Guidelines for Organic and/or Inorganic Methods Data Review (EPA 2017a, 2017b) (Appendix F).

5.5 UTILITY DECOMMISSIONING – SIDE SEWER LINE

A side sewer line on the southeastern portion of the Block 38 West Property was encountered at an approximate elevation of 23 feet NAVD88 during demolition and utility capping activities by GLY in November 2019 (Figure 3 and 18). GLY notified Farallon regarding the discovery of a black liquid discharging from a side sewer line at the Block 38 West Property while inspecting side sewer utilities in the east-adjacent alley. The side sewer line where the liquid was observed extended west onto the Block 38 West Property[5] and was not documented on Seattle Public Utilities maps. When GLY exposed the side sewer line on the Block 38 West Property, the side sewer line was breached and Farallon personnel collected a sample of the liquid for laboratory analysis. The sample result indicated the presence of total petroleum hydrocarbons in the liquid.

GLY capped the side sewer line at the eastern Block 38 West Property boundary and inspected the length of the line to the maximum extent practicable. The side sewer was approximately 45 feet north of the southeastern boundary of the Block 38 West Property and traced approximately 35 feet to the west until an obstruction in the side sewer line was encountered or the line had previously collapsed. Test pits were advanced in the vicinity in December 2019 to evaluate the source of separate-phase petroleum hydrocarbons that were observed in the side sewer line. Test pits TP-4 through TP-6 were advanced to evaluate the extent of the sanitary sewer line to the west. There were no obvious signs of contamination based on field screening and no soil samples were submitted for analysis, and no source of the separate-phase hydrocarbons contained within the side sewer line 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 proximate to where the side sewer line had collapsed when exposed. The analytical results for COPCs in soil were less than screening levels (Figures 3 through 9; Tables 1 through 5). No source of the petroleum hydrocarbons contained within the side sewer line was identified during subsequent demolition and excavation activities. Additional field screening in the southeastern portion of the Block 38 West Property did not indicate a release of petroleum hydrocarbons to soil or groundwater.

[5] This side sewer extended onto King County Parcel No. 1983200170 on the southern portion of the Block 38 West Property (500 and 510 Westlake Avenue North).

5.6 UST DECOMMISSIONING

As noted in Section 2.6, Regulatory History, two previously unidentified USTs containing bunker oil and a fuel product line were encountered in the northwestern corner of the Block 38 West Property and were associated with the former mechanical equipment area located west-adjacent to the former building and in the Westlake Avenue North right-of-way (Figures 3 and 21). The mechanical equipment area dimensions were approximately 60 feet north-south by 15 feet east-west, and the concrete subgrade structure was located beneath the Westlake Avenue North sidewalk and connected to the basement of the former building, which housed mechanical equipment servicing the former building utilities. As part of the Block 38 West Property redevelopment, the mechanical equipment was decommissioned and removed, and in February 2020 the mechanical equipment area was backfilled with controlled density fill. UST01 was discovered on January 21, 2020 during the removal of the concrete foundation and was approximately 1,200 gallons in volume. UST02 was discovered on February 5, 2020 during mass excavation activities in the northwestern corner and approximately 10 feet west of UST01 along the western shoring wall and located approximately 5 feet below the former concrete foundation. UST02 was approximately 2,200 gallons in volume.

A product sample was collected from UST01 and UST02 and submitted to OnSite for evaluation of total petroleum hydrocarbons to assist with UST decommissioning activities. The product in UST01 and UST02 was confirmed as bunker fuel oil by OnSite. City Investors IX selected a specialty subcontractor to conduct the UST decommissioning and removal activities, which included inerting and rinsing the interior of the USTs, as necessary, and removing the USTs from the Block 38 West Property for recycling. The UST decommissioning services were provided by Construction Group International of Woodinville, Washington, (CGI) and both USTs were permanently decommissioned by excavation and removal in accordance with Washington State *Underground Storage Tank Regulations* (WAC 173-360) and Ecology Petroleum Guidance.

Brad Reilly served as the Washington State UST Decommissioning Supervisor (Certification No.8289423) and confirmed that USTs containing bunker fuel oil were exempt from filing a 30-day UST Closure Notice with Ecology. Greg Peters (Certification No. 8883066) and Anastasia Burns (Certification No. 8456246) of Farallon served as the Washington State UST Site Assessors and conducted the site assessments in accordance with the Ecology *Guidance for Site Checks and Site Assessments for Underground Storage Tanks* dated February 1991, revised April

2003 (Ecology UST Guidance). The UST decommissioning process included the following activities:

- Flushing the product lines to transfer any residual fuel in the lines back into the UST;
- Cleaning and triple-rinsing the UST interior and transporting the wash water off the property for disposal;
- Obtaining a Decommissioning Permit from the Seattle Fire Department and arranging for Seattle Fire Department inspection to authorize removal of the UST;
- Testing the internal atmosphere of the UST by a Marine Chemist in preparation for removal;
- Uncovering the UST and excavating around the sides of the UST, and lifting the UST from the excavation for inspection;
- Collecting site assessment soil samples from the four sidewalls of the UST excavation and from the bottom of the excavation; and
- Over-excavation and collecting additional soil samples from the sidewalls and/or bottom of the excavation where applicable.

A description of the site assessment activities and observations is presented below. A copy of UST decommissioning records provided by CGI is included in Appendix G.

5.6.1 UST01

UST01 was discovered on January 21, 2020 in the northwestern portion of the Block 38 West Property (grid M1; Figures 3 and 21[6]) during removal of the concrete foundation and the start of excavation activities, and the top of UST01 was encountered at approximately 6 inches below the concrete foundation. At the time of discovery Farallon staff observed black liquid in soil following the removal of the overlying concrete slab.

Farallon observed the decommissioning and removal of the approximately 1,200-gallon UST on January 27, 2020. Farallon completed a UST site assessment and holes were observed on the west and east sides of UST01. Field screening indicated localized impacts to soil below and adjacent to the west and east sides of the UST01. One soil sample was collected directly beneath

[6] Grid areas are shown on Figure 21.

the UST and four sidewall samples were collected from the final limits of the UST excavation (Figures 3 and 21). In-place soil observed during the UST excavation was generally poorly graded sand with gravel. Groundwater was not encountered to the maximum depth of the excavation during removal of the tank at an approximate elevation of 17 feet NAVD88. Prior to interim actions at the Block 38 West Site, the static groundwater elevation on the northwestern portion of the Block 38 West Site at monitoring well FMW-135 was at an approximate elevation of 18 feet NAVD88 (Table 6). When UST01 was encountered and decommissioned, the construction dewatering system was operational and the groundwater elevation on the northwestern portion of the Block 38 West Site at observation well OW-5 was at an approximate elevation of 5 feet NAVD88 (Table 6).

Site assessment soil samples were submitted to OnSite for laboratory analysis. Samples were analyzed for one or more of the following constituents using the previously identified analytical methods, unless indicated otherwise: GRO, DRO, ORO, BTEX, cPAHs, naphthalenes, select VOCs, polychlorinated biphenyls (PCBs), and lead. The analytical results for UST01 are summarized in Tables 1 through 5 and Figure 21.

As part of the site assessment, soil adjacent to UST01 was field-screened for indications of a release. Based on field observations, a soil sample, M1-TANK-24.5, was collected from the area adjacent to UST01 to evaluate COPCs and other required analyses associated with unknown UST contents per Ecology UST Guidance. The results of the product sample confirmed the contents of UST01 as bunker fuel oil and the remaining site assessment compliance soil samples collected from below and all four sides of the UST01 excavation were focused on heavy-end petroleum hydrocarbons, DRO, ORO, and PAHs. DRO, ORO, naphthalenes, PCBs, and lead were detected at concentrations less than the screening levels in the bottom sample and were reported to be less than the laboratory PQLs in the remaining sidewall soil samples collected from the UST01 excavation. cPAHs were detected at concentrations less than the screening level in soil samples collected from the bottom of the excavation, east sidewall, and south sidewall and reported to be less than the PQL in the other sidewall soil samples collected from the UST01 excavation. The cPAH impacts in soil detected between elevations 25 and 15 feet NAVD88 adjacent to UST01 were similarly observed over the majority of the northern portion of the Block 38 West Property and are associated with fill material. Accordingly, Farallon does not attribute cPAH concentrations detected in soil adjacent to UST01 to be solely related to the release of bunker fuel oil.

5.6.2 Fuel Product Line

A product line apparently associated with UST01 and UST02 was discovered on January 31, 2020 in the west sidewall of the excavation directly west of UST01. The line extended north to the northwestern corner of the former building foundation (Figures 3 and 21). When the west sidewall was exposed for the installation of wood timber lagging, Farallon staff observed that shoring piles (W50 through W54) and the casing for dewatering well DW-17 had intersected and damaged the product fuel line during installation. Other than the section where the product line was damaged with the dewatering well installation, Farallon staff observed minor staining around the joints and connection fittings. The piping in the west sidewall was removed on February 3, 2020 to the extent practicable by Hos Bros. and performance soil samples were collected to meet the site assessment requirements in Ecology UST Guidance. Soil sidewall samples from mass excavation soil sampling grids N1, M1, and L1 defined soil impacted to the north and south and vertically in the western sidewall. The western extent of impacts associated with the UST product line was defined in mass excavation soil sampling grid N1-WSW3 approximately 2 feet west of the Block 38 West Property boundary at an approximate elevation 17 feet NAVD88 below the former mechanical equipment area. Field screening was conducted to evaluate the extent of impacts in addition to collection of discrete soil samples. Field screening of soil 2 feet north of where soldier pile W54 intersected the fuel product line at an elevation of 17 feet NAVD88 had a photoionization detector (PID) reading of 0.6 (Figure 21). On the north sidewall of mass excavation soil sampling grid N1 between soldier piles N1 and N2, field screening of soil at an elevation of 17 feet NAVD88 had a PID reading less than 1 and there was no odor (Figure 21). Impacts documented around the UST product line in mass excavation soil sampling grid N1 west sidewall indicate that the releases associated with the product line were localized. The extent of impacted soil associated with the UST product line to the west of soil sidewall sample M1-WSW at elevation 20 and 15 feet NAVD88 has been identified as a data gap and will be further characterized during the remedial investigation.

5.6.3 UST02

UST02 was discovered on February 5, 2020 by Hos Bros. during excavation activities in the northwestern corner of the Block 38 West Property approximately 10 feet west of UST01, and the top of UST02 was encountered at approximately elevation 19 feet NAVD88 (grid M1; Figures 3 and 21). A section of the UST was damaged during excavation activities resulting in a thick, black oily liquid with strong petroleum-like odors flowing out from UST02. The area around UST02 was bermed to contain the product release, excavated, and stockpiled for off-

Property disposal. Farallon collected a sample of the product from UST02 and submitted it to OnSite for hydrocarbon identification and OnSite confirmed the product was bunker fuel oil. Soil samples were also collected around UST02 to evaluate for the previously unidentified petroleum release.

Farallon observed the decommissioning and removal of the 2,200-gallon UST02 on February 7, 2020. Farallon completed a UST site assessment and holes were observed on all sides of UST02 after removal. Field screening indicated localized impacts to soil below and adjacent to the northern, western, and eastern sides of the UST. Two soil samples were collected directly beneath UST02 and four sidewall samples from the final limits of the UST excavation. In-place soil observed during the UST02 excavation was generally layers of silty sand and organic peat-like material. Groundwater was not encountered to the maximum depth of the excavation during removal of the UST at approximate elevation 14 feet NAVD88. Prior to interim actions at the Block 38 West Site, the static groundwater elevation on the northwestern portion of the Block 38 West Site at monitoring well FMW-135 was at an approximate elevation of 18 feet NAVD88 (Table 6). When UST02 was encountered and decommissioned, the construction dewatering system was operational and the groundwater elevation on the northwestern portion of the Block 38 West Site at observation well OW-5 was at an approximate elevation of 5 feet NAVD88 (Table 6).

UST site assessment soil samples were submitted to OnSite for laboratory analysis. Soil samples were analyzed for one or more of the following constituents using the previously identified analytical methods: GRO, DRO, ORO, BTEX, cPAHs, naphthalenes, and PCBs. The analytical results for UST02 are summarized in Tables 1 through 5 and on Figure 21.

Based on field observations, performance soil samples were collected adjacent to UST02 to evaluate COPCs and other required analyses associated with bunker fuel oil per Ecology UST Guidance . PCBs were reported at concentrations less than the laboratory PQLs, and BTEX, DRO, ORO, and naphthalenes were detected at concentrations less than screening levels in performance and confirmation samples collected from beneath and along all four sides of UST02. GRO was detected at a concentration exceeding the screening level in a performance soil sample collected from the east side of UST02; however, the sample was flagged by the laboratory due to the hydrocarbon range being indicative of heavier fuels being present in the sample, impacting the gasoline result. GRO was not detected at a concentration exceeding the laboratory PQL in the other performance soil sample collected from the UST02 excavation.

cPAHs were detected at concentrations exceeding the screening levels in one of two bottom soil samples and in soil samples collected from the northern, eastern, and western sidewalls of the UST02 excavation. The cPAH impacts in soil detected between elevations 25 and 15 feet NAVD88 adjacent to UST02 were similarly observed over the majority of the northern portion of the Block 38 West Property and are associated with fill material. Accordingly, Farallon does not attribute cPAH concentrations detected in soil adjacent to UST02 to be solely related to the release of bunker fuel oil.

5.7 VAPOR BARRIER INSTALLATION AND WATERPROOF FOUNDATION

A chemical resistant vapor barrier was installed across the entire building perimeter from the top of the shoring wall to the base of the mat slab foundation and horizontally across the entire building foundation, which was placed prior to the mat slab foundation pour (Figure 22). The exterior foundation walls and floor slab of the underground portion of the building were constructed of waterproof concrete below the water table. No provisions for drainage were needed. The vapor barrier will prevent future migration of and potential exposure to contaminated groundwater and associated soil vapor, if present, from residual contamination or from properties adjacent to or in the vicinity of the Block 38 West Property. In addition to the vapor barrier, the thickness of the mat slab foundation and high-performance waterproof concrete that reduces water vapor transmissivity will augment the attenuation of soil vapor, if present.

The vapor barrier specified for the Block 38 West Property building construction is Drago Wrap from Stego Industries, LLC of San Clemente, California (Appendix H). Drago Wrap is specifically engineered to mitigate environmental contaminants and is rated for the identified COPCs for the Block 38 West Site and CVOCs that are present near the Block 38 West Property in deeper groundwater. Drago Wrap is a 20-millimeter, multi-layered plastic extrusion meeting the standards of ASTME1745 for water vapor retarders in contact with soil or granular fill under concrete slabs, meets standard methane and radon gas specifications, and is rated for environmental contaminants such as petroleum hydrocarbons and CVOCs (Appendix H). Drago Wrap was installed per the manufacturer's specifications and the installer detailed penetrations and terminations per the manufacturer's specifications. Documentation of vapor barrier inspections completed by RDH Building Science Inc. are included in Appendix I.

In general, the mat slab is a minimum of 48 inches thick with the top 12 inches being comprised of high-performance waterproof concrete (Hycrete) across the entire Block 38 West Property

(Farallon 2020c). The mat slab was increased in thickness for various foundation elements up to 63 to 75 inches in the central and northern portions of the foundation (Farallon 2020c). Vertical foundation walls have a 16-inch-thick foundation wall comprised of Hycrete that extended to an elevation of 20 feet NAVD88 approximately 2 feet above the water table elevation at approximately 18 feet NAVD88 (Farallon 2020c). Above the water table, the foundation materials transition from waterproof concrete to concrete with drainage board and bentonite waterproof panels in certain below-grade garage walls where occupied space occurs such as mechanical, electrical, and storage rooms. The drainage board extended to 4 feet below the water table to an elevation of 14 feet NAVD88.

The waterproofing product installed for the Block 38 West Property building foundation was the Hycrete Endure WP (formerly W1000) System from Hycrete of Seattle, Washington (Appendix H). Hycrete is an admixture that is combined with cement to create a hydrophobic concrete by combining the metallic ions in the cement with the hycrete admixture, forming water-insoluble polymers blocking water from concrete pore space. The Hycrete Endure WP System has less than 1 percent capillary absorption in concrete, which is the main water transport mechanism in concrete, and it also bonds to steel reinforcement within concrete, providing a protective covering to prevent corrosion.

5.8 PERFORMANCE MONITORING

Performance monitoring consisted of collecting soil samples to assist with establishing the lateral and vertical extent of contaminated soil and to classify the soil for segregation and disposal.

5.8.1 Soil Performance Monitoring

Performance monitoring consisted of collecting soil samples to assist with establishing the lateral and vertical extent of soil with COPCs detected at concentrations exceeding screening levels and to classify the soil for segregation and disposal. Performance soil sampling points were used as confirmation soil sampling points where analytical results for performance soil samples confirmed that screening levels were attained above or at the final limits of the excavation. A total of 246 performance soil samples were collected by Farallon at the Block 38 West Property during previous investigations and during the independent interim action.

Laboratory analytical results for the performance soil samples are summarized on Figures 4 through 9 and in Tables 1 through 5. Performance samples collected during the mass excavation

are coded with the excavation grid cell in which they were collected. Laboratory analytical reports are provided in Appendix B.

5.8.2 Groundwater Performance Monitoring

No groundwater performance monitoring was conducted during the independent interim action since the Shallow-Water Bearing Zone and the upper portion of the Intermediate-Water Bearing Zone were removed from the Block 38 West Property as part of the planned redevelopment project. Groundwater conditions post independent interim action will be evaluated during the Block 38 West Site-wide remedial investigation in accordance with the Agreed Order.

As discussed in Section 2.6, Regulatory History, Ecology provided partial approval of the Block 38 West Site-wide remedial investigation work elements that included the installation of four monitoring wells screened within the Intermediate Water-Bearing Zone in the building foundation, FMW-150 through FMW-153 (Figure 22). Once groundwater elevations recover to static levels the monitoring wells will be developed prior to compliance groundwater monitoring events.

5.9 CONFIRMATIONAL MONITORING

A total of 208 confirmation soil samples were collected to confirm the final limits of the excavation for contaminated soil encountered during the Block 38 West interim action. A total of 11 confirmation soil samples were collected to confirm the final limits of the excavation for petroleum-contaminated soil in the vicinity of UST01 and UST02 in the northwestern portion of the Block 38 West Property. Performance soil samples were used as confirmation soil samples when analytical results confirmed that screening levels had been attained at the limits of the excavation areas. Additional confirmation soil sampling consisted of collecting soil samples in-situ from the base and sides of the final limits of the completed excavation areas.

Laboratory analytical results for the confirmation soil samples are summarized in Tables 1 through 5. Figures 23 through 26 depict the location and elevation, and results for confirmation soil samples of COPCs retained for the independent interim action. Laboratory analytical reports are provided in Appendix B.

5.10 SOIL TRANSPORT AND DISPOSAL

The transport and disposal of soil encountered with detectable concentrations of COPCs (i.e., whether exceeding or less than screening levels) off the Block 38 West Property to various permitted landfills were documented by using soil transport and disposal tracking forms.

The analytical results from performance soil sampling were used to establish soil waste profiles with regional permitted landfills. Waste profiles were established with the Cadman, Inc. facility in Everett, Washington; Iron Mountain facility in Granite Falls, Washington; Waste Management Columbia Ridge Landfill in Arlington, Oregon; and Republic Services in Roosevelt, Washington.

Approximately 64,200 tons of soil containing detectable concentrations of COPCs and wood and organic debris was removed from the Block 38 West Property through June 26, 2020. Of this total, approximately 44,000 tons of soil contained COPCs at concentrations exceeding the screening levels (Appendix J). Approximately 50 percent of the 44,000 tons (23,000 tons) of soil with COPCs at concentrations exceeding the screening levels was associated with wood and organic debris encountered across the Block 38 West Property.

Of the approximately 64,200 tons of soil that was transported off the Block 38 West Property, the quantities shown below were disposed of at the following facilities:

- Approximately 20,500 tons of soil with detectable concentrations of COPCs was transported off the Block 38 West Property for permanent disposal at the Cadman, Inc. disposal facility or to the Iron Mountain disposal facility.
- Approximately 43,700 tons of soil with COPCs detected at concentrations exceeding screening levels and/or wood or organic debris was transported off the Block 38 West Property for permanent disposal at the Cadman, Inc. facility, Waste Management Columbia Ridge Landfill, or the Republic Services Roosevelt Landfill.

A summary of the weekly tonnages and receiving disposal facilities for soil generated during the independent interim action and mass excavation is provided in Appendix J.

6.0 INTERIM ACTION RESULTS

Results from the independent interim action are presented below, including results from the performance and confirmation sampling, the soil transport and disposal activities, and construction dewatering system decommissioning.

6.1 CONFIRMATION SOIL SAMPLING

The mass excavation extended across the entire area of the Block 38 West Property and coincides with the new building footprint (Figure 22). All soil encountered with detectable concentrations of COPCs identified during the independent interim action, which included soil with COPCs detected at concentrations exceeding screening levels, was removed and disposed of off the Block 38 West Property as discussed in Section 5.10, Soil Transport and Disposal. The final limits of soil with COPCs detected at concentrations exceeding screening levels and confirmation soil sample locations are shown on Figures 23 through 28. The final footing depths of the new building are shown on post-excavation Cross-Sections A-A' oriented north-to-south (Figure 29), B-B' oriented north-to-south (Figure 30), C-C’ oriented west-to-east (Figure 31), and D-D' oriented west-to-east (Figure 32).

The final excavation limits for soil with COPCs detected at concentrations exceeding screening levels on the Block 38 West Property were generally located laterally within an irregularly shaped area with maximum dimensions of approximately 360 feet north-to-south by 110 feet east-to-west. The majority of COPCs detected at concentrations exceeding screening levels were encountered from approximate elevations 23 to 15 feet NAVD88, extending deeper to elevation 10 feet NAVD88 in localized areas, and within the fill soil and/or organic debris material across the Block 38 West Property (Figures 23 to 28). Soil with detectable concentrations of COPCs extended to an approximate elevation of 0 feet NAVD88 for the northern half of the Block 38 West Property and an approximate elevation of 5 to 10 feet NAVD88 across the majority of the Block 38 West Property. The mass excavation of the Block 38 West Property was advanced to a final elevation of approximately -6.5 feet NAVD88 (approximately 30 feet bgs) (Figures 29 to 32).

Confirmation soil samples collected at the remedial excavation limits or the limits of the property boundary for the mass excavation at the Block 38 West Property demonstrate compliance with the soil screening levels established for the independent interim action (Figures 23 through 28). COPCs were detected in soil at concentrations exceeding screening levels at the final limits of

the mass excavation at the northwest sidewall (proximate to former UST01 and UST02 and fuel product line) and central portion of the east sidewall at elevations ranging from 23 to 15 feet NAVD88 within the fill soil layer identified at the Block 38 West Site.

GRO was detected at a concentration of 31 mg/kg, which slightly exceeds the screening level, in a soil sample collected at a depth of 1 foot bgs (elevation of 22.7 feet NAVD88) in mass excavation soil sampling grid H4 (Figure 4; Table 1) on the Block 38 West Property. GRO was either detected at concentrations less than the screening level or reported non-detect at the laboratory PQL in the remaining soil performance and confirmation soil samples collected on the Block 38 West Property during the independent interim action (Figure 23; Table 1).

Benzene was either detected at concentrations less than the screening level or reported non-detect at the laboratory PQL in the remaining soil performance and confirmation soil samples collected on the Block 38 West Property during the independent interim action (Figure 24; Table 1).

DRO was detected at a concentration of 4,800 mg/kg in a soil sample collected from western sidewall sample N1-WSW, which exceeds the screening level (Figure 25; Table 1). The impacts in the northwestern corner of the Block 38 West Property are likely the result of releases from the former fuel product line apparently associated with former UST01 and UST02. The lateral and vertical limits of DRO detected at concentrations exceeding screening levels in soil have been defined and that soil was removed as part of the independent interim action. DRO was detected at a concentration of 2,500 mg/kg in mass excavation soil sampling grid K-3 at an elevation of 20 feet NAVD88 and the extent was defined and all contaminated soil was removed as part of the independent interim action (Figure 25; Table 1).

ORO was detected at concentrations exceeding screening levels in soil samples collected in the northwestern corner associated with the former bunker fuel oil USTs, in soil samples collected from the east-central portion of the Block 38 West Property, and in soil samples collected from mass excavation soil sampling grids H4, and J4 (Figure 7, Table 1). ORO was detected at concentrations of 2,900 and 4,600 mg/kg, which exceeds the screening level (Figure 26; Table 1), in east excavation sidewall confirmation soil samples H4-ESW-20.0 and J4-ESW-20.0, respectively, at an elevation of 20 feet NAVD88. ORO was detected at concentrations of 2,100 and 19,000 mg/kg in soil samples collected from soil mass excavation sampling grids M1-WSW-15.0 and N1-WSW-17.0 at elevations of 15 and 17 feet NAVD88, respectively, adjacent to UST01 UST02 and below the former mechanical equipment area (Figure 26; Table 1). The sum

of DRO and ORO was detected at concentrations of 2,160 and 2,050 mg/kg in soil samples collected from monitoring well FMW-134 at an approximate elevation of 20 feet NAVD88 and from FMW-145 at an approximate elevation of 10 feet NAVD88, respectively, and the extent was defined and removed within the Block 38 West Property as part of the independent interim action (Figure 25; Table 1). ORO impacts in soil need to be defined vertically east of mass excavation soil sampling grids H4 and J4 in the Alley, and laterally west of mass excavation soil sampling grid M1 (Figure 26). DRO and ORO impacts in soil need to be defined laterally south and west of FMW-134 in the adjacent rights-of-way and are identified as a data gap and will be further assessed in the remedial investigation for the Block 38 West Site.

Total naphthalenes were detected in soil at concentrations exceeding the screening levels in soil samples collected from mass excavation soil sampling grids I3, K2 through K4, and L4, boring FB-08 and monitoring well FMW-132 at elevations ranging from 20 to 10 feet NAVD88 and were excavated and removed from within the Block 38 West Property boundary. Total naphthalenes were either detected at concentrations less than the screening level or reported non-detect at the laboratory PQL in the remaining soil performance and confirmation soil samples collected on the Block 38 West Property during the independent interim action, and in the Alley and the western sidewall of the Block 38 East Property (Figure 27; Table 2).

cPAHs were detected at concentrations exceeding the screening level in soil samples collected from the north-, east-, and west-central portions of the Block 38 West Property from elevations 22 to 15 feet NAVD88, and extending deeper to an elevation of 12 feet NAVD88 at a localized area in the central portion of the Block 38 West Property (Figure 9, Table 2). cPAHs detected at concentrations exceeding the screening levels in soil were excavated and removed from within the Block 38 West Property boundary (Figure 28). The lateral and vertical extent of cPAHs impacts need to be defined east of the Block 38 West Property mass excavation eastern sidewall soil sampling grids H4, I4, K4. In addition, the extent of cPAHs west of mass excavation soil sampling grid M1 need to be defined (Figure 28). These are identified as data gaps and will be further assessed in the remedial investigation.

The independent interim action conducted in conjunction with the redevelopment of the Block 38 West Property has removed fill soil and organic and wood debris with COPCs detected at concentrations exceeding screening levels from within the limits of the Block 38 West Property (Figures 29 through 32). ORO, DRO + ORO, and cPAHs were detected in soil at concentrations exceeding screening levels at the final limits of the mass excavation on the northwest sidewall

proximate to the former heating oil USTs and fuel product line and central portion of the east sidewall at elevations ranging from 23 to 15 feet NAVD88 within the soil fill layer identified at the Block 38 West Site.

6.2 SOIL TRANSPORT AND DISPOSAL

A total of approximately 64,200 tons of soil containing detectable concentrations of COPCs and wood and organic debris was removed from the Block 38 West Property between November 2019 and June 2020 and transported to various permitted facilities described in Section 5.10 (Appendix J).

6.3 CONSTRUCTION DEWATERING SYSTEM DECOMMISSIONING

The construction dewatering and treatment system was shut down on March 24, 2021. During the system operation between January 2020 and March 2021, a total of approximately 189,045,000 gallons of water from the Block 38 West Property construction dewatering system and captured stormwater were collected, treated, and discharged via a private stormwater lateral to the City of Seattle stormwater system or the municipal sanitary sewer. Compliance discharge water samples were routinely collected in accordance with the NPDES Construction Stormwater General Permit. COPCs were reported either non-detect at the laboratory PQL or at concentrations less than the established NPDES discharge limits or the KCIW Discharge Authorization, as applicable, from the water treatment systems' combined outfall effluent samples.

The 19 dewatering wells (DW-1 through DW-17, DW-18A, and DW-18B) outside the perimeter of the Block 38 West Property that were installed as part of the construction dewatering system 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. Malcolm Drilling of Kent, Washington decommissioned dewatering wells DW-1 through DW-17, DW-18A, and DW-18B on April 26 and 27, 2021. The construction dewatering system observation wells, OW-1 through OW-5, will be preserved as future compliance monitoring wells for the Intermediate Water-Bearing Zone as discussed in Section 2.6, Regulatory History. A summary of monitoring well construction details and date of decommissioning is provided in Table 11.

The three water treatment systems were decommissioned from March to June 2021, which involved the profiling and removal of aqueous- and vapor-phase treatment media; cleaning and

removal of equipment; and capping of the water conveyance lines that run beneath Mercer Street from the Block 38 West Site to the Block 37 Site. Documentation for disposal of spent media from the water treatment systems is provided in Appendix K.

7.0 CONCLUSIONS

Based on the results of subsurface investigations and the independent interim action completed to date by Farallon, the following historical operations and/or features were confirmed as sources of soil and/or groundwater contamination at the Block 38 West Property: historical placement of impacted fill soil; impacted fill soil located within wood debris associated with the former lumber mill operations on Block 38; former timber pilings associated with historical buildings; a coal fill layer encountered across the east-central and northern portions of the Block 38 West Property; and localized impacts associated with former bunker fuel oil USTs encountered in the northwestern portion of the Block 38 West Property that were properly decommissioned and removed.

This IA Report documents the independent interim action conducted at the Block 38 West Site to remove all (i) soil containing COPCs detected at concentrations exceeding screening levels; and (ii) groundwater containing COPCs detected at concentrations exceeding screening levels in the Shallow Water-Bearing Zone and upper portion of the Intermediate Water-Bearing Zone from within the limits of the Block 38 West Property. The independent interim action was conducted in accordance with the cleanup requirements established in WAC 173-340.

The laboratory analytical results for confirmation soil samples collected during the independent interim action confirmed that all soil with concentrations of GRO, DRO, ORO, DRO+ORO, benzene, naphthalenes, and/or cPAHs was excavated and removed from the Block 38 West Property. Results of confirmation soil sampling at the excavation extents indicate that ORO, DRO+ORO, and cPAHs remain in soil along a limited area of the northwest sidewall (proximate to former underground storage tanks UST01 and UST02 and associated fuel product line) and the central portion of the east sidewall at elevations ranging from 23 to 15 feet NAVD88 within the soil fill layer identified at the Block 38 West Site. Residual soil impacts beyond the boundaries of the Block 38 West Property will be evaluated under the remedial investigation for the Block 38 West Site. Approximately 64,200 tons of soil containing detectable concentrations of hazardous substances and wood and organic debris was removed from the Block 38 West Property. Of this total, approximately 44,000 tons of soil contained concentrations of hazardous substances exceeding regulatory screening levels and/or wood debris requiring special disposal.

Potential residual impacts to groundwater quality in the Shallow and Intermediate Water-Bearing Zones post independent interim action will be evaluated under the remedial investigation for the Block 38 West Site.

The vapor and groundwater barrier systems installed with the new building constructed at the Block 38 West Property will prevent the potential soil gas to indoor air exposure pathway and direct contact with contaminated groundwater, if present, and protect future building occupants. The vapor barrier system installed beneath and on the exterior walls of the new building parking structure will prevent future migration of and potential exposure to soil vapor associated with residual petroleum-contaminated soil located beyond northwestern boundary of the Block 38 West Property and contaminated groundwater, if present, from residual contamination or from properties adjacent to or in the vicinity of the Block 38 West Property.

The independent interim action is part of the final cleanup action, which will be selected as part of the remedial investigation and feasibility study under the AO for the Block 38 West Site.

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9.0 LIMITATIONS

9.1 GENERAL LIMITATIONS

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

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

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

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

9.2 LIMITATION ON RELIANCE BY THIRD PARTIES

Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of City Investors IX LLC to address the unique needs of City Investors IX LLC at the Block 38 West Site at a specific point in time.

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

FIGURES

INTERIM ACTION REPORT
Block 38 West Site
500 Through 536 Westlake Avenue North
Seattle, Washington

Farallon PN: 397-019

REFERENCE: 7.5 MINUTE USGS QUADRANGLE SEATTLE NORTH, WASHINGTON, DATED 1983

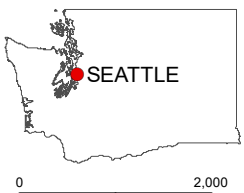

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FIGURE 1

VICINITY MAP
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: jjones | Checked By: CS | Date: 6/30/2020 | Disc Reference:

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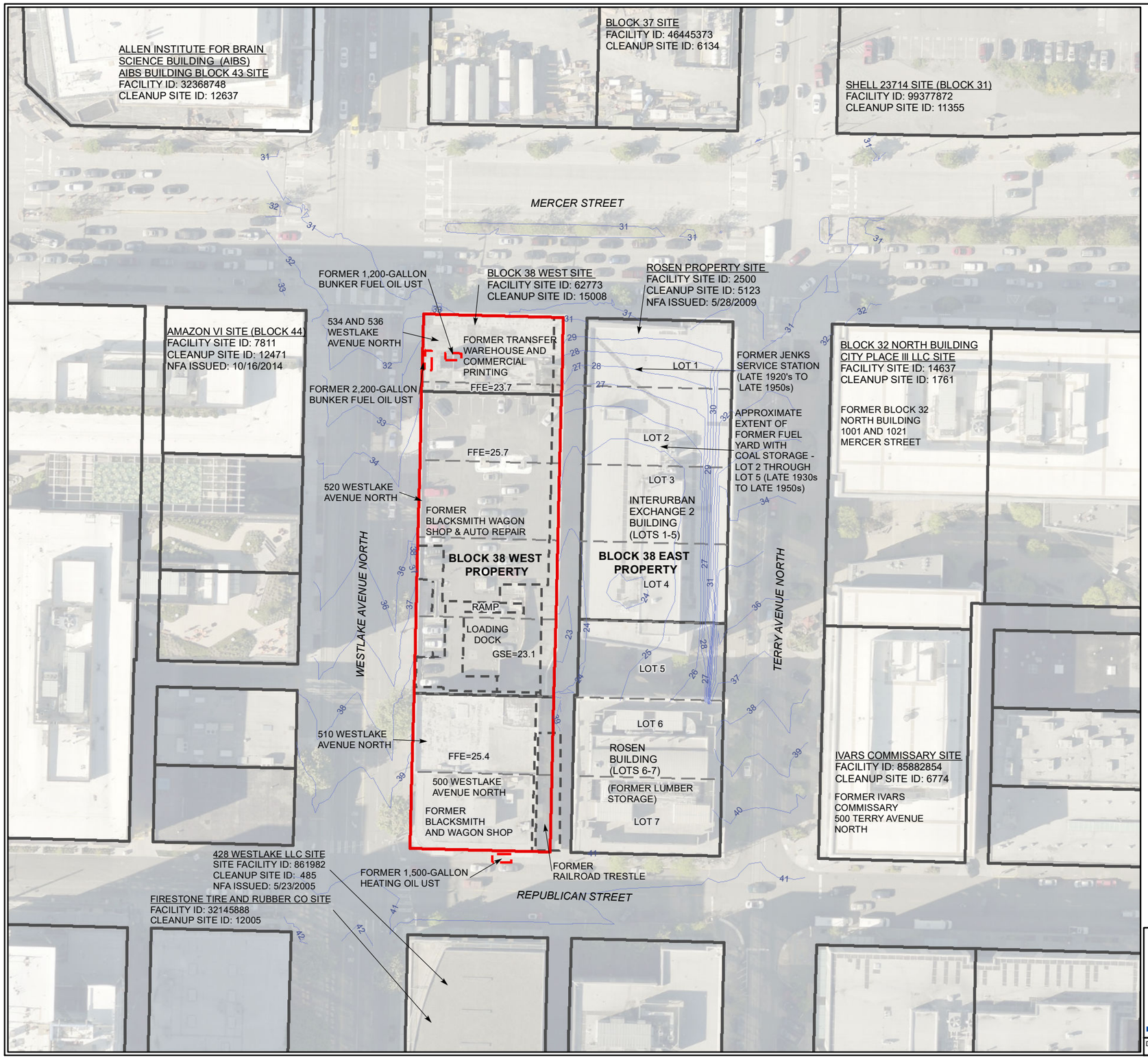

LEGEND

- PILE
- BUILDING FEATURES (BUILDINGS ON BLOCK 38 WEST PROPERTY DEMOLISHED IN 2019)
- LOT LINE
- GROUND SURFACE ELEVATION CONTOUR
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
LOADING DOCK HIGHER THAN GSE
ELEVATION SOURCE: BUSH, ROED, & HITCHINGS, INC. (2014)
ELEVATION DATA PRESENTED IN FEET ABOVE MEAN SEA LEVEL IN THE NORTH AMERICAN VERTICAL DATUM OF 1988

FFE = APPROXIMATE FINISH FLOOR ELEVATIONS OF GROUND FLOOR OF FORMER BUILDING
GSE = APPROXIMATE GROUND SURFACE ELEVATION OF FORMER LOADING DOCK AREA
UST = UNDERGROUND STORAGE TANK

N

0 80
SCALE IN FEET

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 WITH HISTORICAL FEATURES
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: TPerrin | Checked By: SS | Date: 8/12/2021 | Disc Reference:
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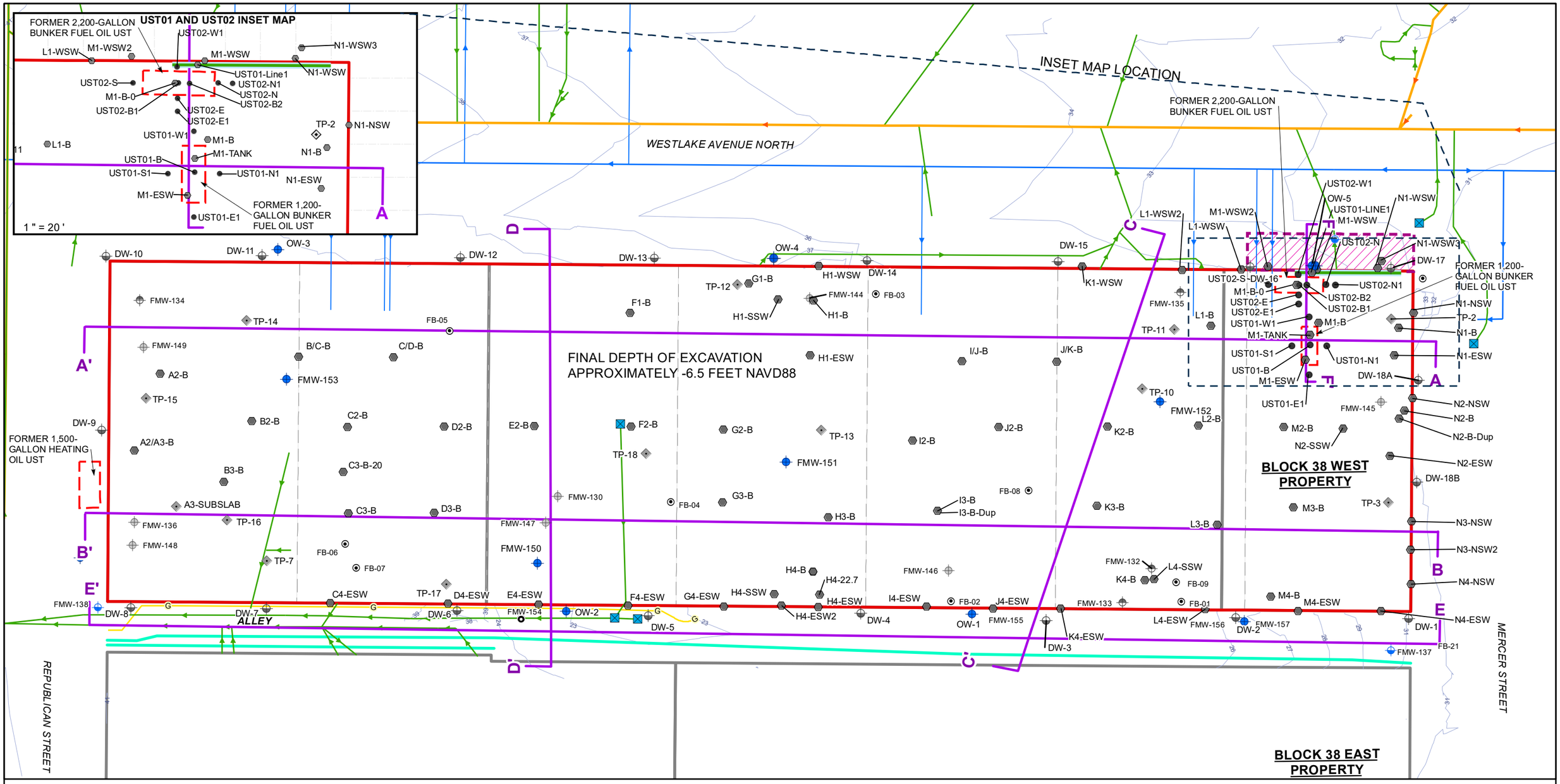

LEGEND

- DEWATERING WELL
- DEEP OUTWASH AQUIFER WELL
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- INTERMEDIATE WATER-BEARING ZONE MONITORING WELL / OBSERVATION WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- BORING (FARALLON)
- BORING (GEOENGINEERS)
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)

- PIPING DISCOVERED IN SIDEWALL [BELIEVED TO BE ASSOCIATED WITH DISCOVERED USTs]
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- KING COUNTY PARCELS
- LOT LINE
- LINE OF CROSS SECTION

- CATCH BASIN
- COMBINED SEWER LATERAL
- WATER LINE
- COMBINED MAIN
- FIBER OPTIC LINE
- G NEW GAS LINE

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SCALE IN FEET

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.
3. CDF = CONTROLLED DENSITY FILL
4. ELEVATION DATA PRESENTED IN FEET ABOVE MEAN SEA LEVEL IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ELEVATION SOURCE: BUSH, ROED, & HITCHINGS, INC. (2014)

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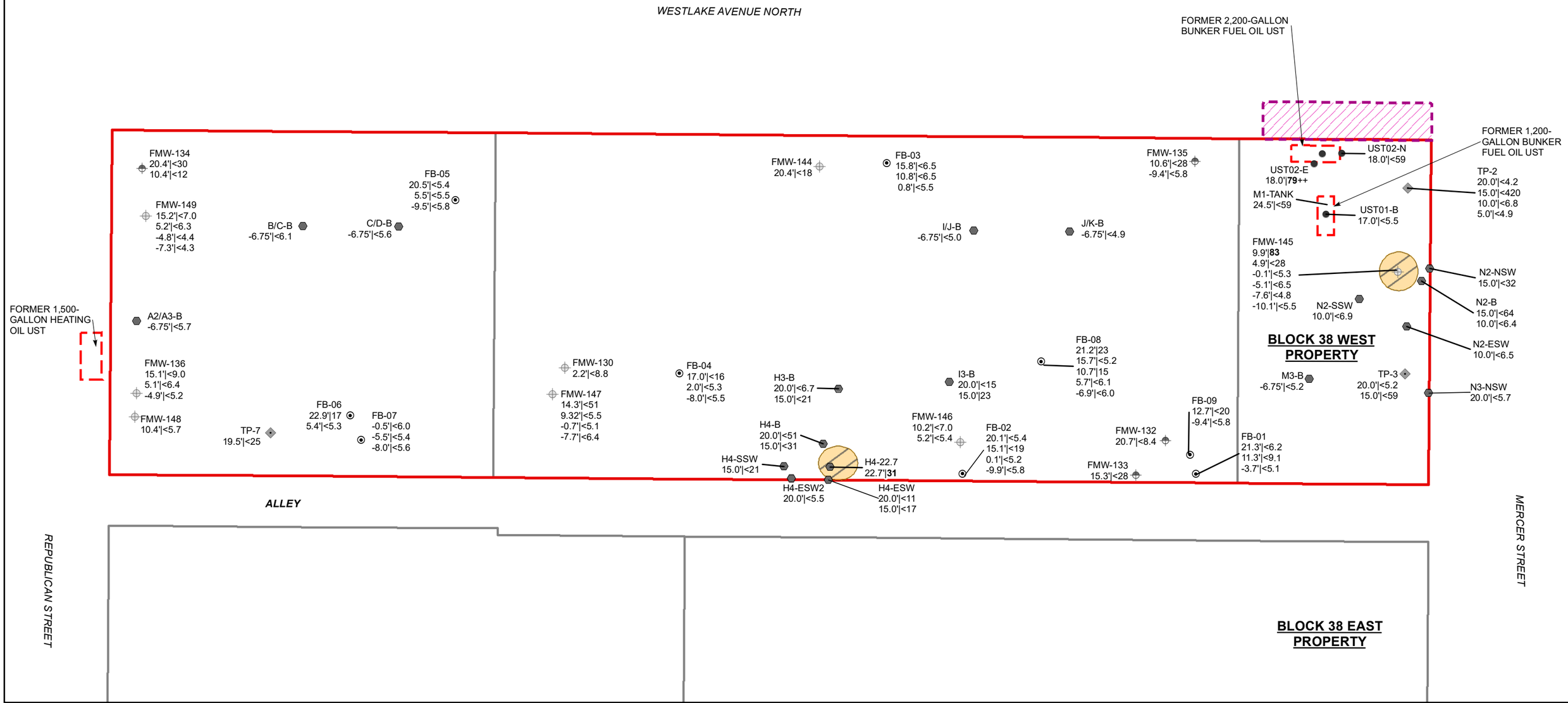
FIGURE 3

SITE PLAN WITH SAMPLE LOCATIONS AND CROSS SECTION LINES
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: jjones | Checked By: SS | Date: 11/9/2023 | Disc Reference: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\017B IAR_2021_07\2023-11\Figure-03_SitePlan.mxd



LEGEND

- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- BORING (FARALLON)
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR SOIL SAMPLES:
ELEVATION IN FEET 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
++ = FUEL PATTERN INDICATIVE OF HEAVY OIL; PRODUCT CONFIRMED AS BUNKER C FUEL OIL
CDF = CONTROLLED DENSITY FILL
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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FIGURE 4

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

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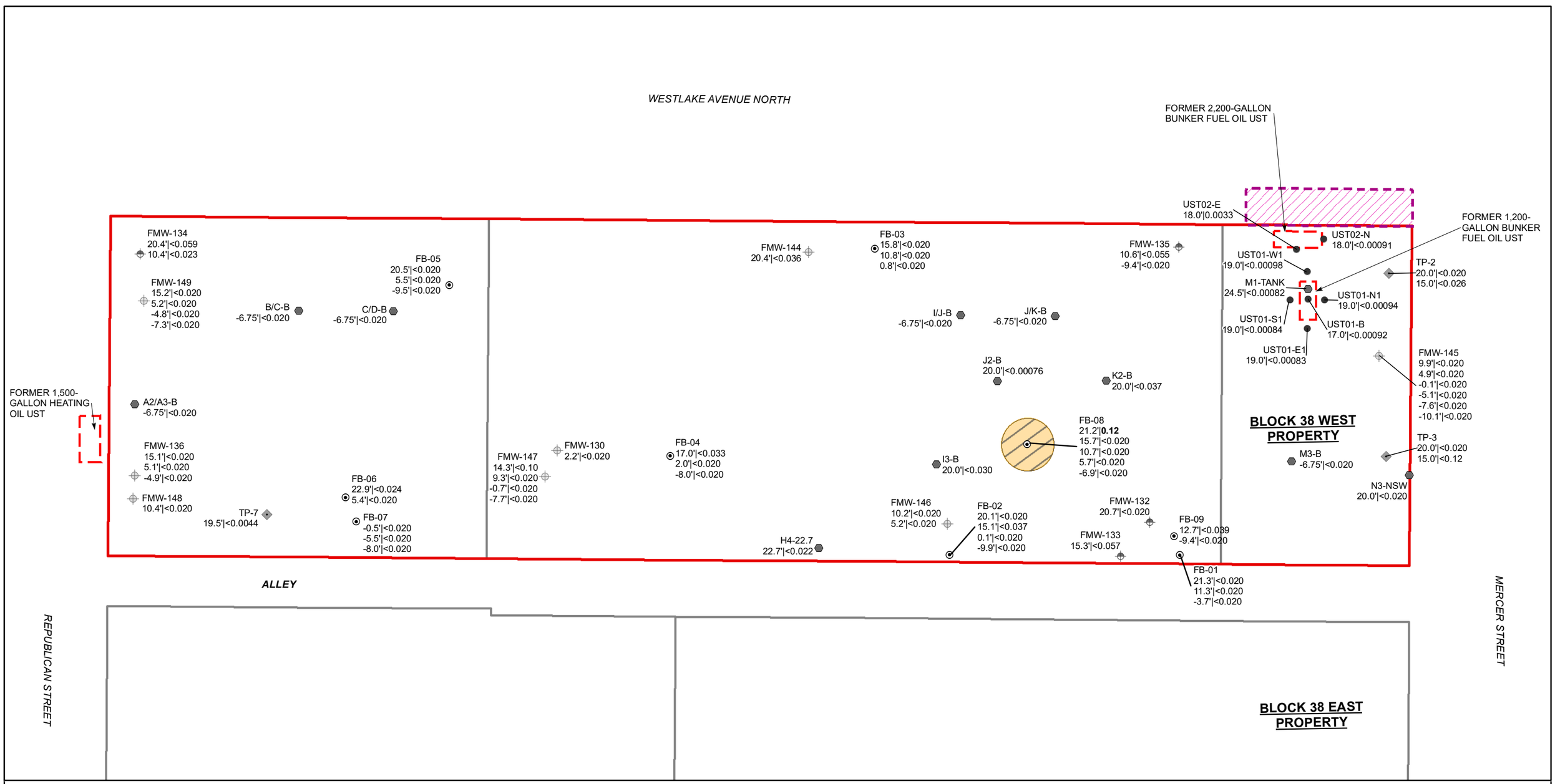

LEGEND

- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- BORING (FARALLON)
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR SOIL SAMPLES :
ELEVATION IN FEET 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
CDF = CONTROLLED DENSITY FILL
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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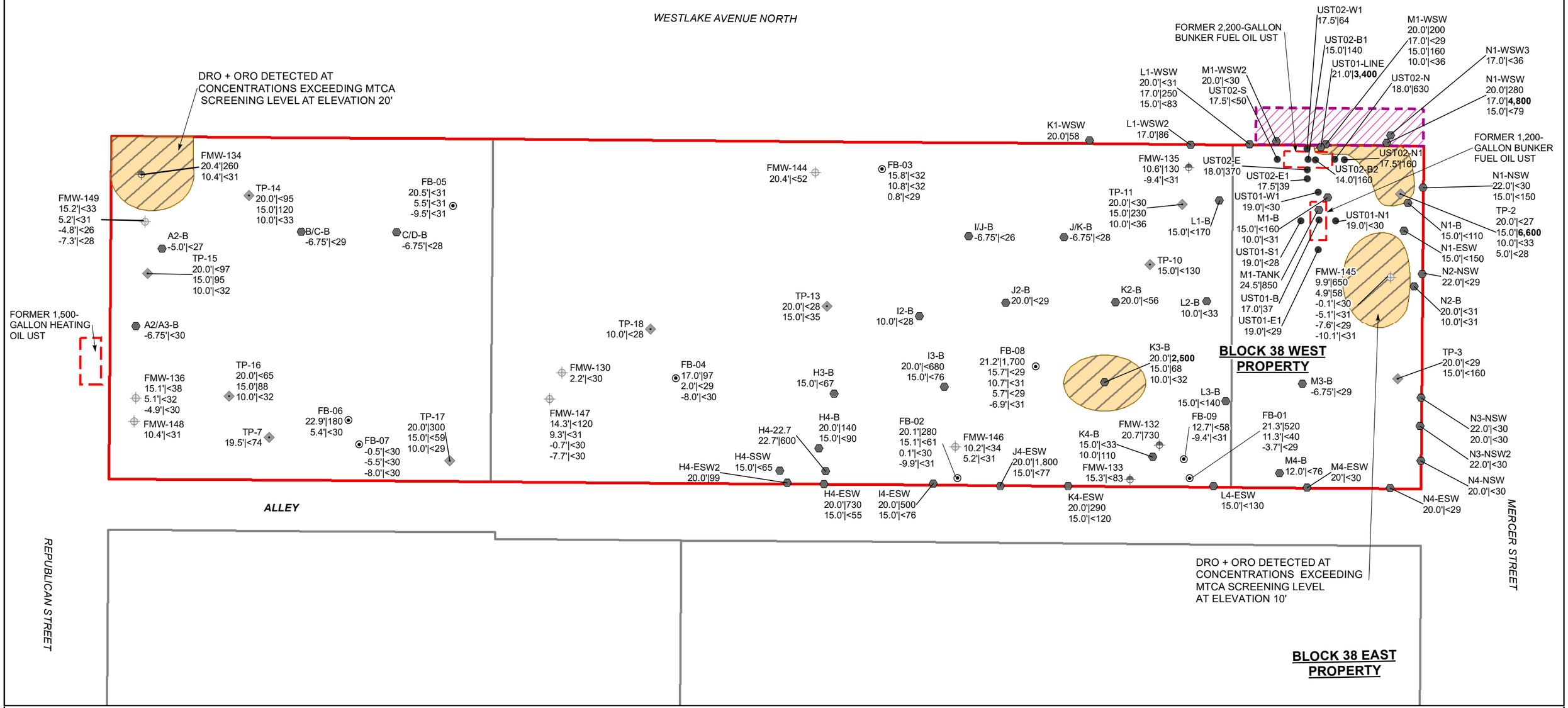
FIGURE 5

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

FARALLON PN: 397-019

Drawn By: TPerrin | Checked By: SS | Date: 8/12/2021 | Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\017B IAR_2021_07\Figure-05_Soil-Benzene_BL38WIAR_17B_2021_07.mxd



LEGEND

- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- BORING (FARALLON)
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR SOIL SAMPLES:
ELEVATION IN FEET 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
CDF = CONTROLLED DENSITY FILL
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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FIGURE 6

SOIL ANALYTICAL RESULTS
FOR DRO
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

FARALLON PN: 397-019

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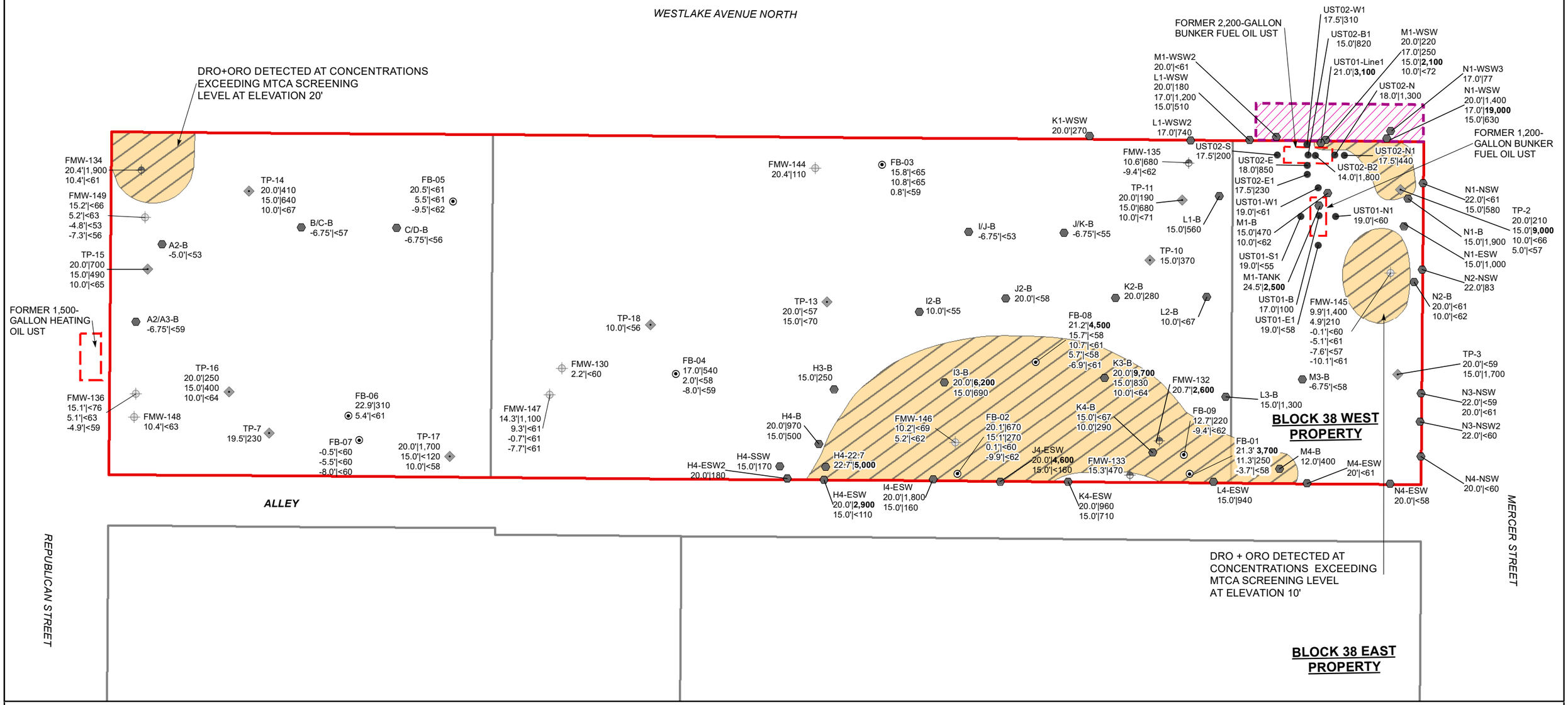

LEGEND

- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- BORING (FARALLON)
- UST SAMPLE LOCATION
- EXCAVATION SAMPLE LOCATION
- TEST PIT (FARALLON)
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR SOIL SAMPLES:
ELEVATION IN FEET 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
CDF = CONTROLLED DENSITY FILL
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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FIGURE 7

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

FARALLON PN: 397-019

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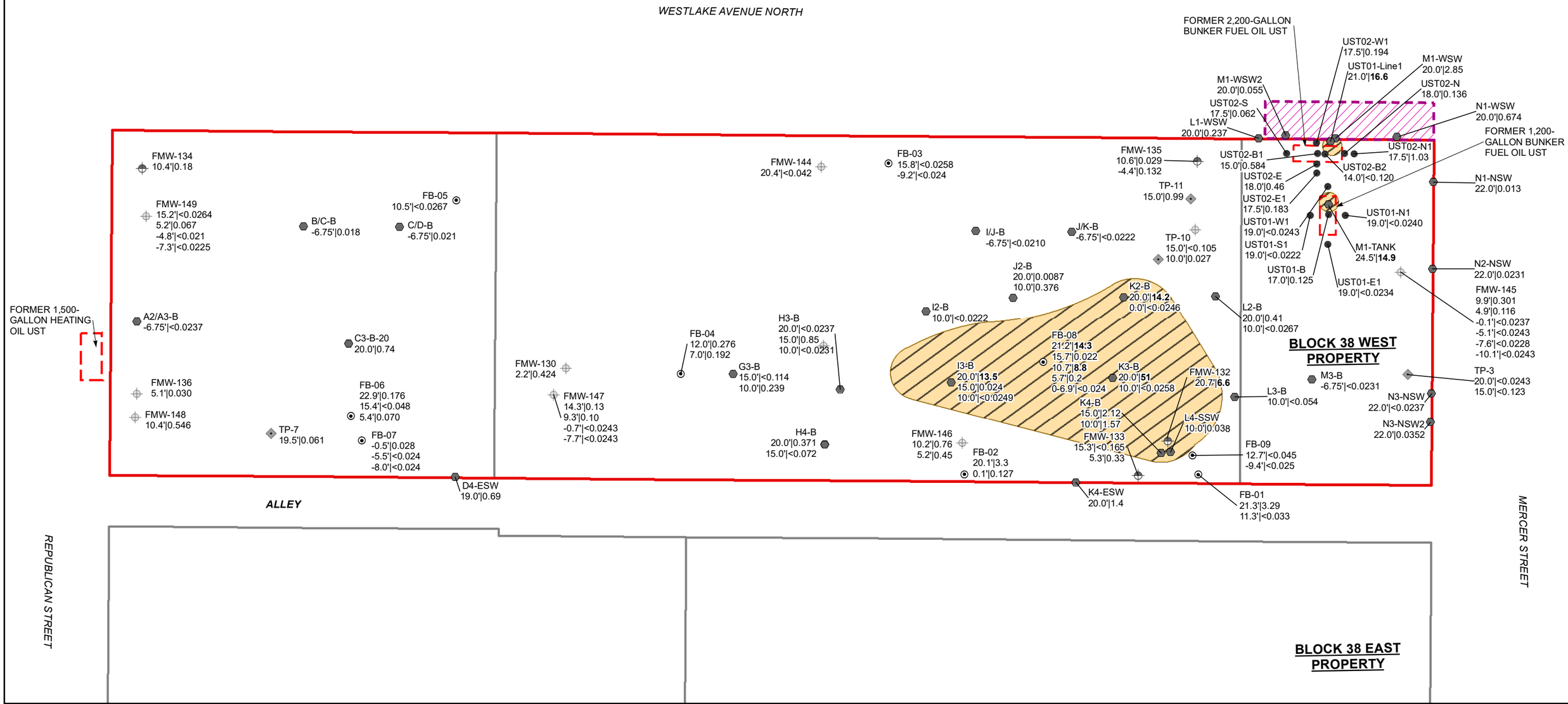

LEGEND

- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- BORING (FARALLON)
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION
- TEST PIT (FARALLON)
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR SOIL SAMPLES:
ELEVATION IN FEET NAVD88 | TOTAL 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 FOR TOTAL TOXIC EQUIVALENT
CDF = CONTROLLED DENSITY FILL
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

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FIGURE 8

SOIL ANALYTICAL RESULTS FOR TOTAL NAPHTHALENES
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

FARALLON PN: 397-019

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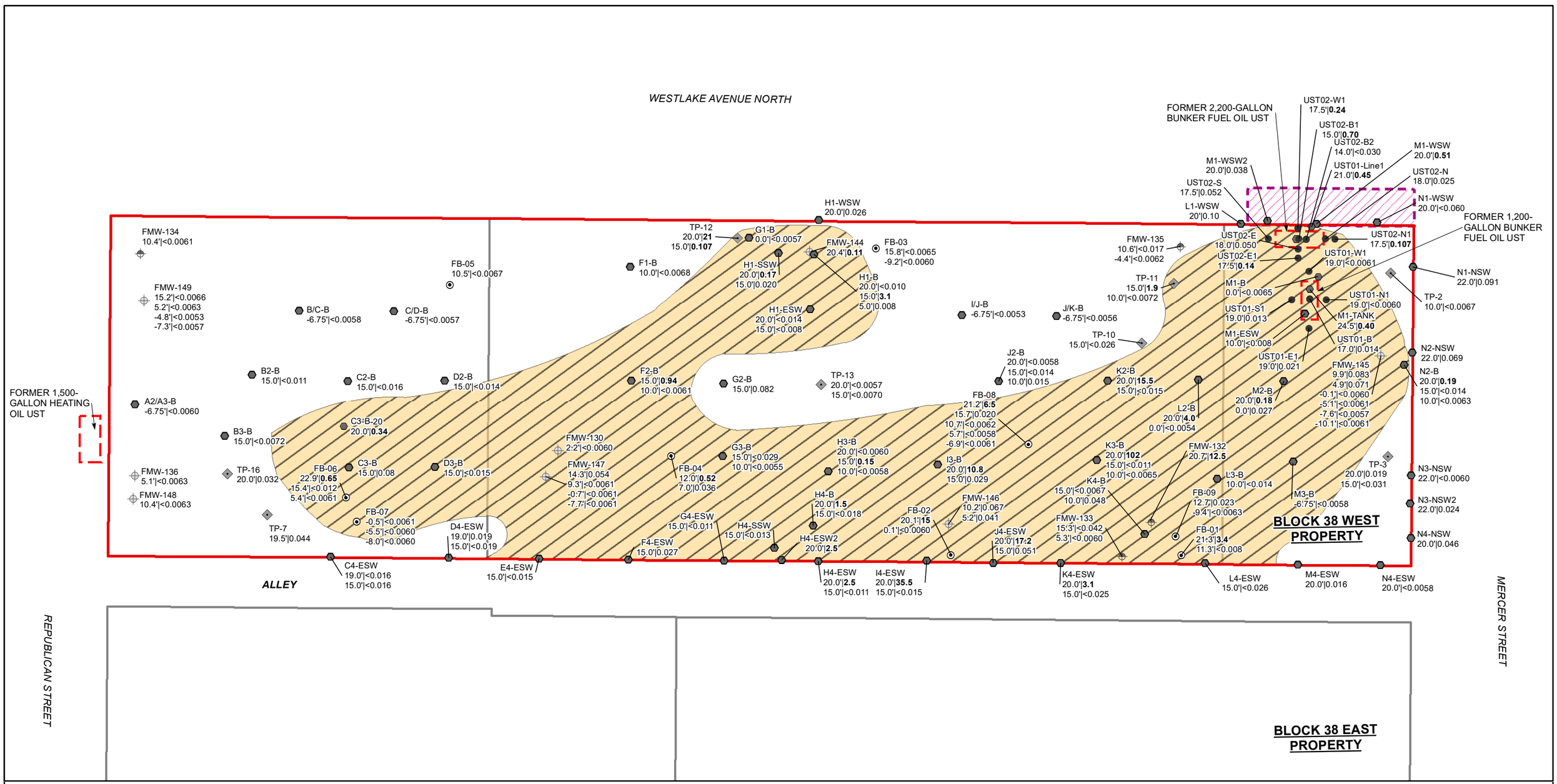

LEGEND

- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- BORING (FARALLON)
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR SOIL SAMPLES:
DEPTH AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET NAVD88 | cPAH TEC
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

BOLD = DENOTES ELEVATION AND 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)
CDF = CONTROLLED DENSITY FILL
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

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FIGURE 9

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

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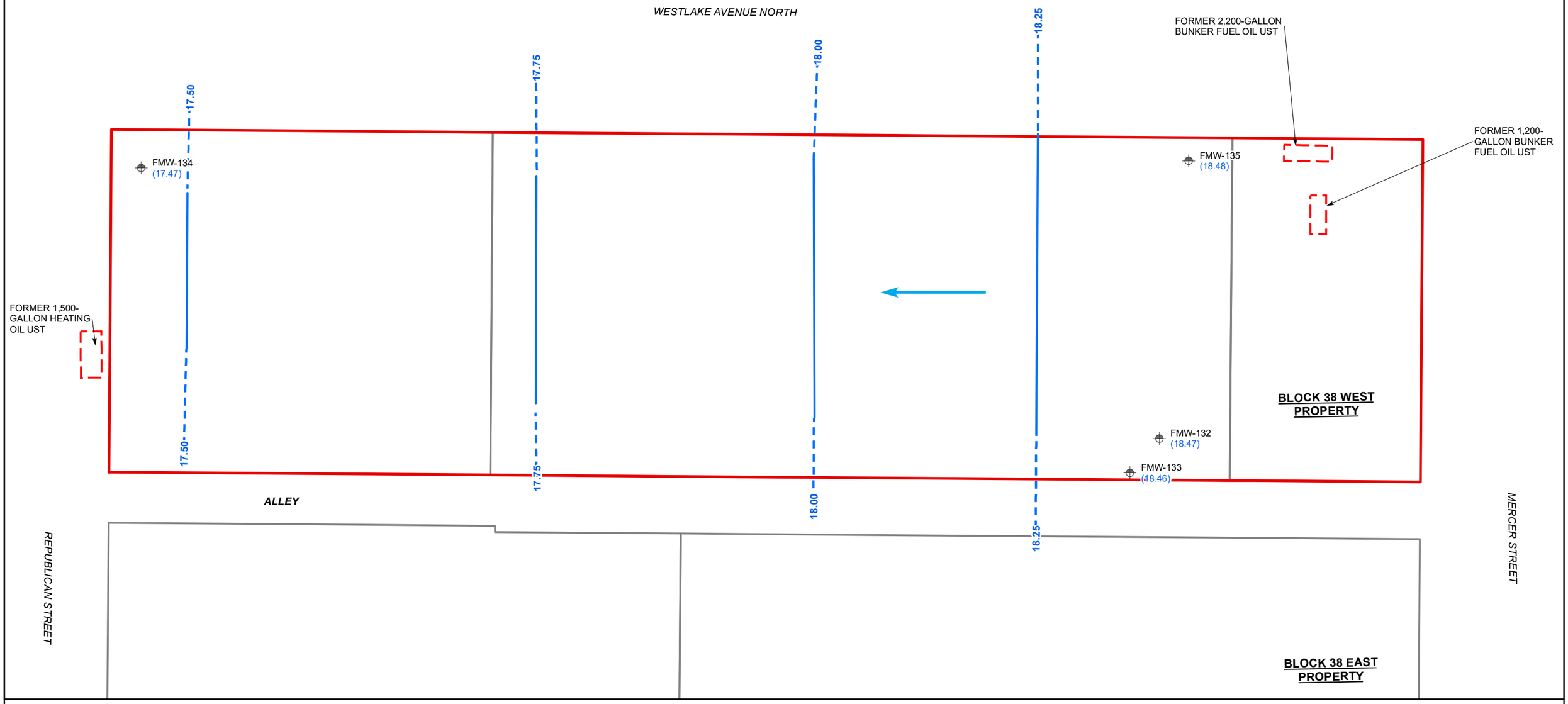

LEGEND

- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY
- 18.00 — APPROXIMATE GROUNDWATER ELEVATION CONTOUR IN FEET NAVD88 (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION
- (18.48) GROUNDWATER ELEVATION (03/26/19) MEASURED IN FEET RELATIVE TO NAVD 88
- (17.44)** ELEVATION NOT USED IN CONTOURING

NOTES:
LOADING DOCK HIGHER THAN GSE
ELEVATION SOURCE: BUSH, ROED, & HITCHINGS, INC. (2014)
ELEVATION DATA PRESENTED IN FEET ABOVE MEAN SEA LEVEL IN THE NORTH AMERICAN VERTICAL DATUM OF 1988

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FIGURE 10

GROUNDWATER ELEVATION CONTOURS
SHALLOW WATER-BEARING ZONE
FOR MARCH 26, 2019
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON
FARALLON PN: 397-019

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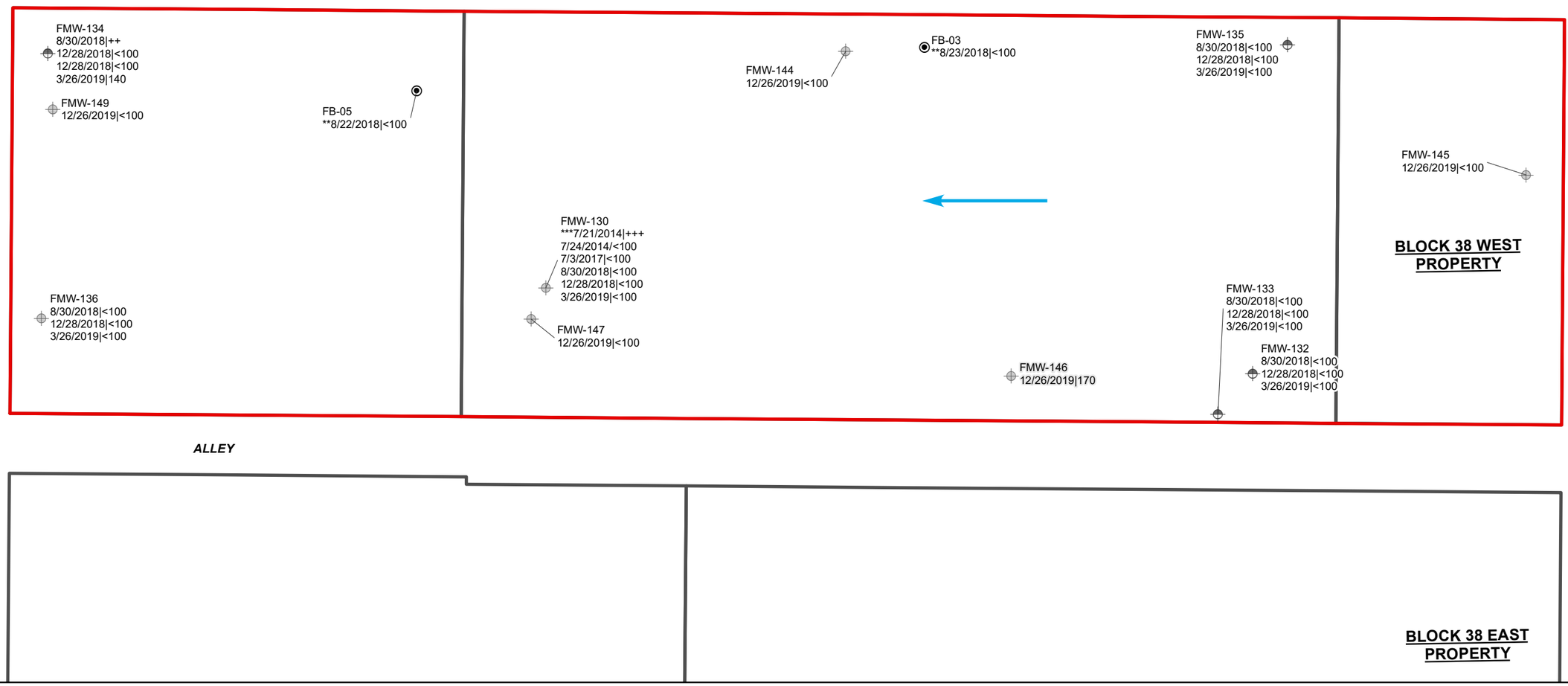

LEGEND

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

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
*** = 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.

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

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FIGURE 11

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

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WESTLAKE AVENUE NORTH

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 PROPERTY

FMW-130
***7/21/2014|5.1
7/24/2014/<1.0
7/3/2017|<0.20
8/30/2018|<0.20
12/28/2018|<0.20
3/26/2019|<1.0

FMW-136
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

ALLEY

REPUBLICAN STREET

MERCER STREET

BLOCK 38 EAST PROPERTY

LEGEND

- BORING
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- GROUNDWATER EXCEEDING SCREENING LEVEL (- - - INDICATES ESTIMATED EXTENT INFERRED)
  (AREAS THAT EXCEED SCREENING LEVELS IN THE SHALLOW WATER-BEARING ZONE WERE REMOVED WITHIN THE PROPERTY BOUNDARY DURING REDEVELOPMENT)
- INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)

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
*** = 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.
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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FIGURE 12

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

FARALLON PN: 397-019

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Document Path: Q:\Projects\397 VULCAN\019 Block38\Mapfiles\017B IAR 2021 07\Figure-12 Groundwater Benzene BL38WIAR 17B 2021 07.mxd

WESTLAKE AVENUE NORTH

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

DRO + ORO DETECTED AT CONCENTRATIONS EXCEEDING MTCA SCREENING LEVEL

FMW-145
12/26/2019|280

BLOCK 38 WEST PROPERTY

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

ALLEY

REPUBLICAN STREET

MERCER STREET

BLOCK 38 EAST PROPERTY

LEGEND

- BORING
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

DRO DETECTED AT CONCENTRATIONS IN GROUNDWATER EXCEEDING THE SCREENING LEVEL IN THE INTERMEDIATE WATER-BEARING ZONE
(- - - INDICATES ESTIMATED EXTENT INFERRED)

DRO DETECTED AT CONCENTRATIONS IN GROUNDWATER EXCEEDING THE SCREENING LEVEL IN SHALLOW WATER-BEARING ZONE
(- - - INDICATES ESTIMATED EXTENT INFERRED)

(AREAS THAT EXCEED SCREENING LEVELS IN THE SHALLOW WATER-BEARING AND UPPER INTERMEDIATE WATER-BEARING ZONES WERE REMOVED WITHIN THE BLOCK 38 WEST PROPERTY BOUNDARY DURING REDEVELOPMENT)

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

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

ALL LOCATIONS ARE APPROXIMATE.
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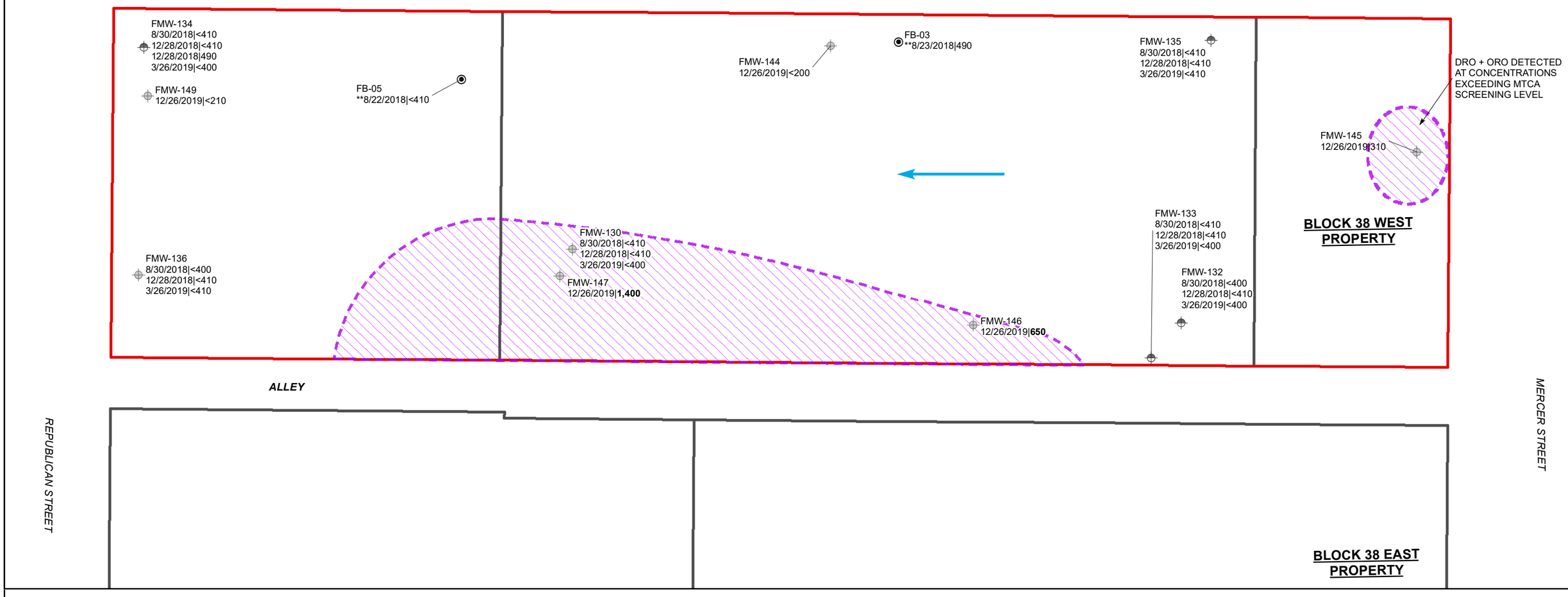
FIGURE 13

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

FARALLON PN: 397-019

Drawn By: TPerrin | Checked By: SS | Date: 8/13/2021 | Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\017B IAR_2021_07\Figure-13_Groundwater_DRO_BL38WIAR_17B_2021_07.mxd



LEGEND

- BORING
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- PROPERTY BOUNDARY
- KING COUNTY PARCEL
- ORO DETECTED AT CONCENTRATIONS IN GROUNDWATER EXCEEDING THE SCREENING LEVEL IN THE INTERMEDIATE WATER-BEARING ZONE (- - - - INDICATES ESTIMATED EXTENT INFERRED)
- (AREAS THAT EXCEED SCREENING LEVELS IN THE UPPER INTERMEDIATE WATER-BEARING ZONE WAS REMOVED WITHIN THE BLOCK 38 WEST PROPERTY BOUNDARY DURING REDEVELOPMENT)
- INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)

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 14

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

FARALLON PN: 397-019

Drawn By: TPerrin | Checked By: SS | Date: 8/13/2021 | Disc Reference:
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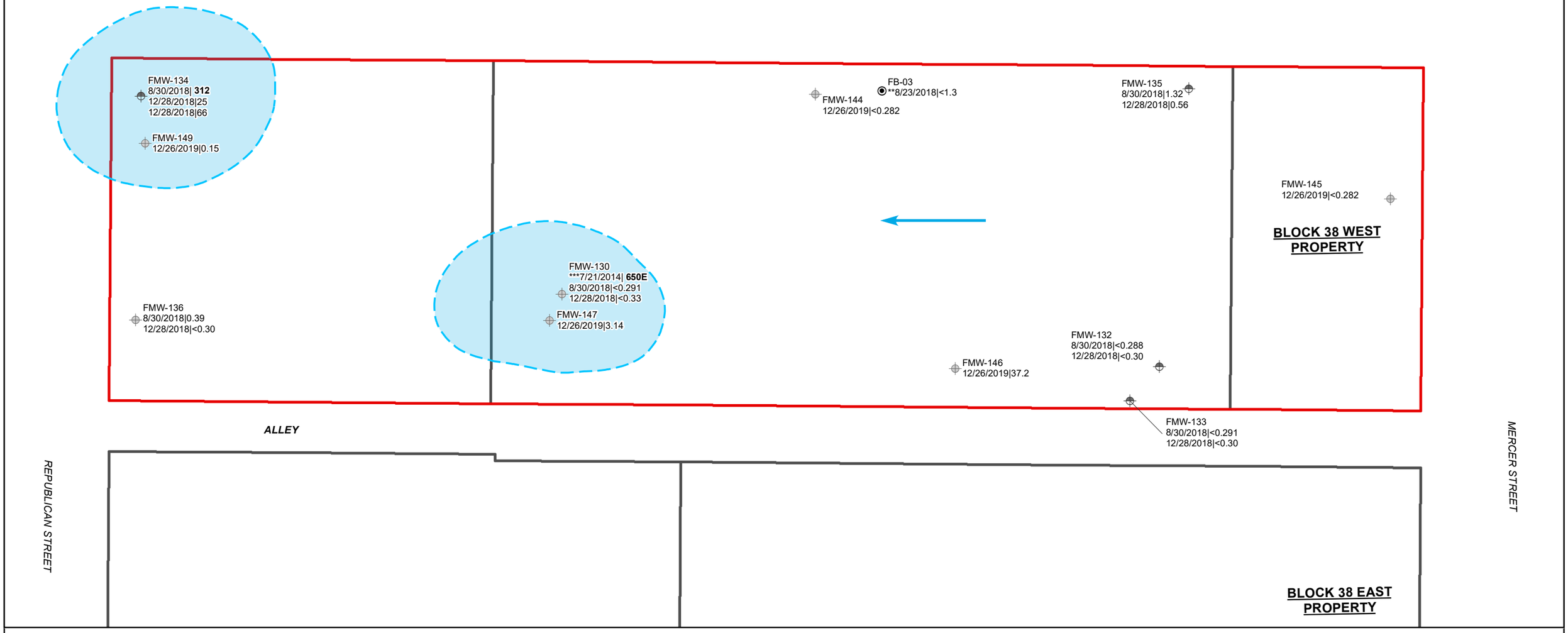

LEGEND

- BORING
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- NAPHTHALENES DETECTED AT CONCENTRATIONS IN GROUNDWATER EXCEEDING THE SCREENING LEVEL IN SHALLOW WATER-BEARING ZONE (- - - INDICATES ESTIMATED EXTENT INFERRED)

(AREAS THAT EXCEED SCREENING LEVELS IN THE SHALLOW WATER-BEARING ZONE WAS REMOVED WITHIN THE BLOCK 38 WEST PROPERTY BOUNDARY DURING REDEVELOPMENT)

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

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 THAT WAS SCREENED AT AN ELEVATION OF 7.2 TO 2.2 FEET RELATIVE TO THE NAVD88 DATUM.
** = 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

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SCALE IN FEET

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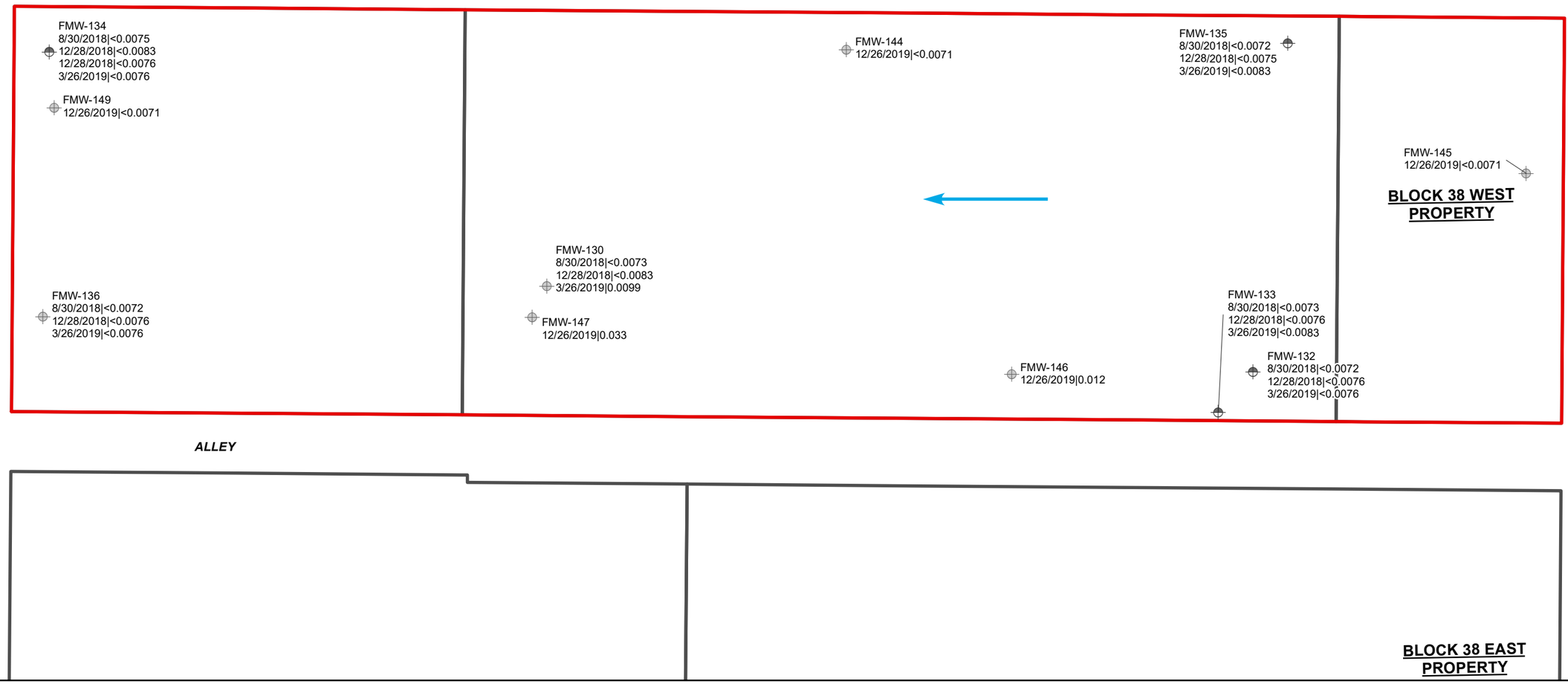
FIGURE 15

GROUNDWATER ANALYTICAL RESULTS
FOR NAPHTHALENES
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: TPerrin Checked By: SS Date: 8/13/2021 Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\017B IAR_2021_07\Figure-15_Groundwater_Napth_BL38WIAR_17B_2021_07.mxd



LEGEND

- DECOMMISSIONED SHALLOW WATER-BEARING ZONE MONITORING WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION MARCH 2019 (SHALLOW WATER-BEARING ZONE)
- 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)

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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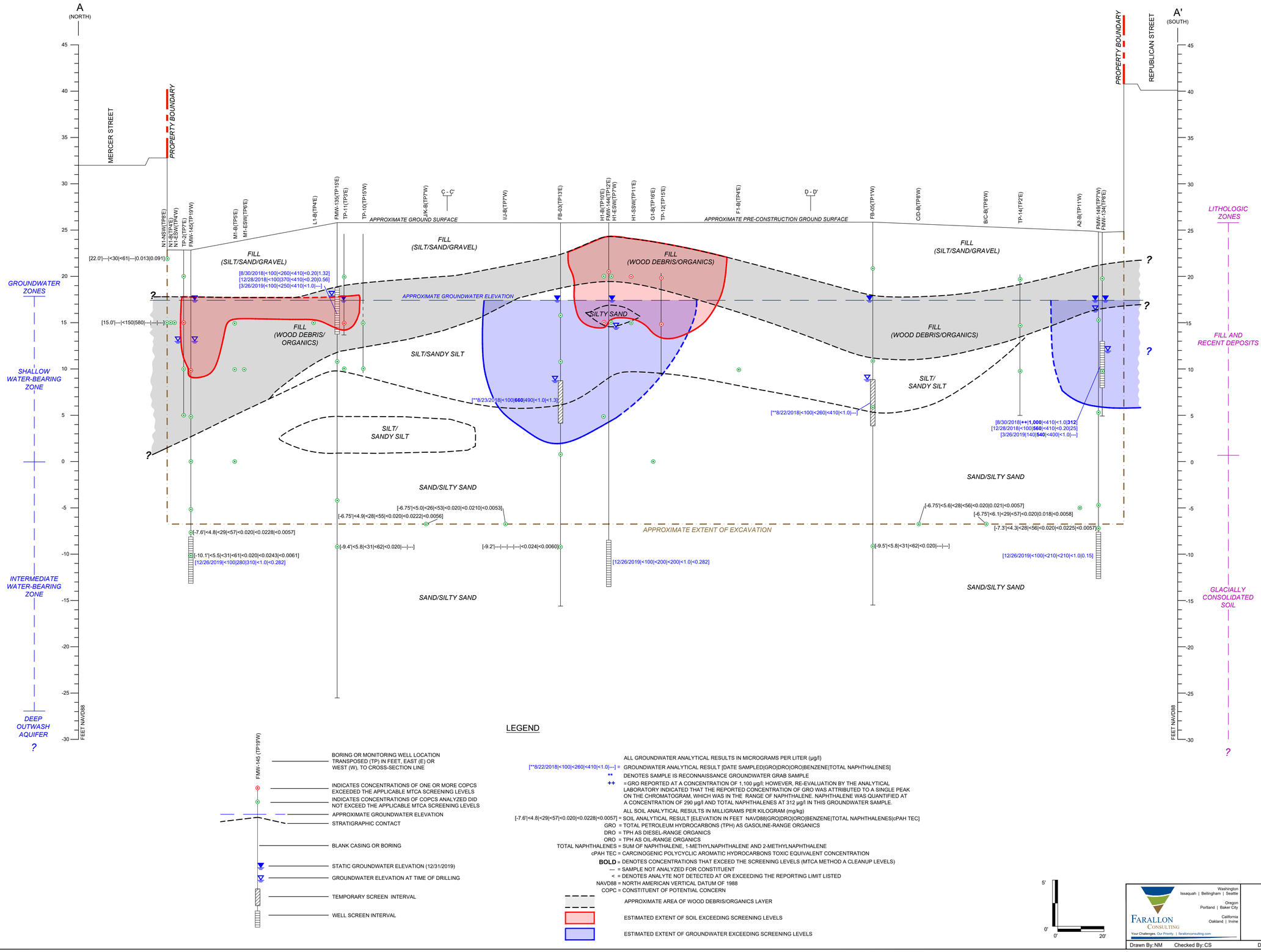
FIGURE 16

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

FARALLON PN: 397-019

Drawn By: TPerrin | Checked By: SS | Date: 8/12/2021 | Disc Reference: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\017B IAR_2021_07\Figure-16_Groundwater_cPAHs_BL38WIAR_17B_2021_07.mxd



FMW-145 (TP19'W)

- BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, EAST (E) OR WEST (W), TO CROSS-SECTION LINE
- INDICATES CONCENTRATIONS OF ONE OR MORE COPCS EXCEEDED THE APPLICABLE MTCA SCREENING LEVELS
- INDICATES CONCENTRATIONS OF COPCS ANALYZED DID NOT EXCEED THE APPLICABLE MTCA SCREENING LEVELS
- 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

LEGEND

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 GRAB SAMPLE

++ = GRO REPORTED AT A CONCENTRATION OF 1,100 µg/l; HOWEVER, RE-EVALUATION 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)

[-7.6'|<4.8|<29|<57|<0.020|<0.0228|<0.0057] = SOIL ANALYTICAL RESULT [ELEVATION IN FEET NAVD88|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 = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVELS (MTCA METHOD A CLEANUP LEVELS)

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

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

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

COPC = CONSTITUENT OF POTENTIAL CONCERN

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

5'
0'
0'
20'

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FIGURE 17

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

FARALLON PN:397-019

Drawn By:NM Checked By:CS Date: 8/12/2021

B (NORTH)

B' (SOUTH)

MERCER STREET

PROPERTY BOUNDARY

PROPERTY BOUNDARY

REPUBLICAN STREET

FORMER SANITARY SIDE SEWER LINE

C - C'

D - D'

N3-NSW(TP3E) TP-3(TP11E) M3-B(TP2E) M4-B(TP20W) L3-B(TP1E) FB-09(TP12W) FMW-132(TP16W) K3-B(TP16W) FMW-133(TP22W) K3-B(TP9E) FB-08(TP13E) I3-B(TP4E) FB-07(TP13W) FMW-146(TP13W) H3-B(TP2E) H4-B(TP14W) G3-B(TP6E) FB-04(TP8E) TP-18(TP22E) FMW-130(TP9E) FMW-147(TP1W) TP-17(TP20W) D3-B(TP2E) C3-B(TP1E) FB-06(TP7W) TP-7(TP13W) B3-B(TP10E) TP-16(TP2W) A2/A3-B(TP22E) FMW-138(TP2W) FMW-148(TP6W)

[22.0'|---|<30|<59|---|<0.0237|<0.0060]

[20.0'|<5.7|<30|<61|<0.020|---|---]

FILL (SILTY SAND)

FILL (SILT/SAND/GRAVEL)

FILL (WOOD DEBRIS/ORGANICS)

FILL (SILT/SAND/GRAVEL)

FILL (WOOD DEBRIS/ORGANICS)

FILL (WOOD DEBRIS/ORGANICS)

[8/30/2018|<100|260|<400|<0.20|<0.288]
[12/28/2018|<100|<260|<410|<0.20|<0.30]
[3/26/2019|<100|<250|<400|<1.0|---]

[8/30/2018|<100|270|<410|<0.20|<0.291]
[12/28/2018|<100|310|<410|<0.20|<0.30]
[3/26/2019|<100|280|<400|<1.0|---]

APPROXIMATE GROUNDWATER ELEVATION

SILT

SILT

SILT

SILT

SAND/SILTY SAND

SAND/SILTY SAND

SAND/SILTY SAND

SILT/ SANDY SILT

SILT/ SANDY SILT

SAND/SILTY SAND

[**7/21/2014|+++|---|---|5.1|650|

[-6.75'|<5.2|<29|<58|<0.020|<0.0231|<0.0058]

APPROXIMATE EXTENT OF EXCAVATION

[-6.9'|<6.0|<31|<61|<0.020|<0.024|<0.0061]

[-9.4'|<5.8|<31|<62|<0.020|<0.025|<0.0063]

[-9.9'|<5.8|<31|<62|<0.020|---|---]

[12/26/2019|170|1,100|650|<1.0|37.2]

[-8.0'|<5.5|<30|<59|<0.020|---|---]

[-7.7'|<6.4|<30|<61|<0.020|<0.0243|<0.0061]

[12/26/2019|<100|1,900|1,400|<1.0|3.14]

[-6.75'|<5.7|<30|<59|<0.020|<0.0237|<0.0060]

[8/30/2018|<100|<250|<400|<0.20|0.39]
[12/28/2018|<100|<260|<410|<0.20|<0.30]
[3/26/2019|<100|<250|<410|<1.0|---]

[7/24/2014|<100|---|---|<1.0|---]
[7/3/2017|<100|---|---|<0.20|---]
[8/30/2018|<100|<250|<410|<0.20|<0.291]
[12/28/2018|<100|<260|<410|<0.20|<0.33]
[3/26/2019|<100|<250|<400|<1.0|---]

GRAVEL/SILTY GRAVEL

GRAVELLY SILT

GROUNDWATER ZONES

SHALLOW WATER-BEARING ZONE

INTERMEDIATE WATER-BEARING ZONE

DEEP OUTWASH AQUIFER

?

LITHOLOGIC ZONES

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

TP-3 (TP11E) — BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, EAST (E) OR WEST (W), TO CROSS-SECTION LINE

INDICATES CONCENTRATIONS OF ONE OR MORE COPCS EXCEEDED THE APPLICABLE MTCA SCREENING LEVELS

INDICATES CONCENTRATIONS OF COPCS ANALYZED DID NOT EXCEED THE APPLICABLE MTCA SCREENING LEVELS

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 GRAB SAMPLE

+++ 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 [ELEVATION IN FEET NAVD88|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 = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVELS (MTCA METHOD A CLEANUP LEVELS)

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

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

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

COPC = CONSTITUENT OF POTENTIAL CONCERN

APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER

ESTIMATED EXTENT OF SOIL EXCEEDING SCREENING LEVELS

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING SCREENING LEVELS

5' 0' 0' 20'

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FIGURE 18

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

FARALLON PN:397-019

Drawn By:NM Checked By:CS Date: 8/12/2021

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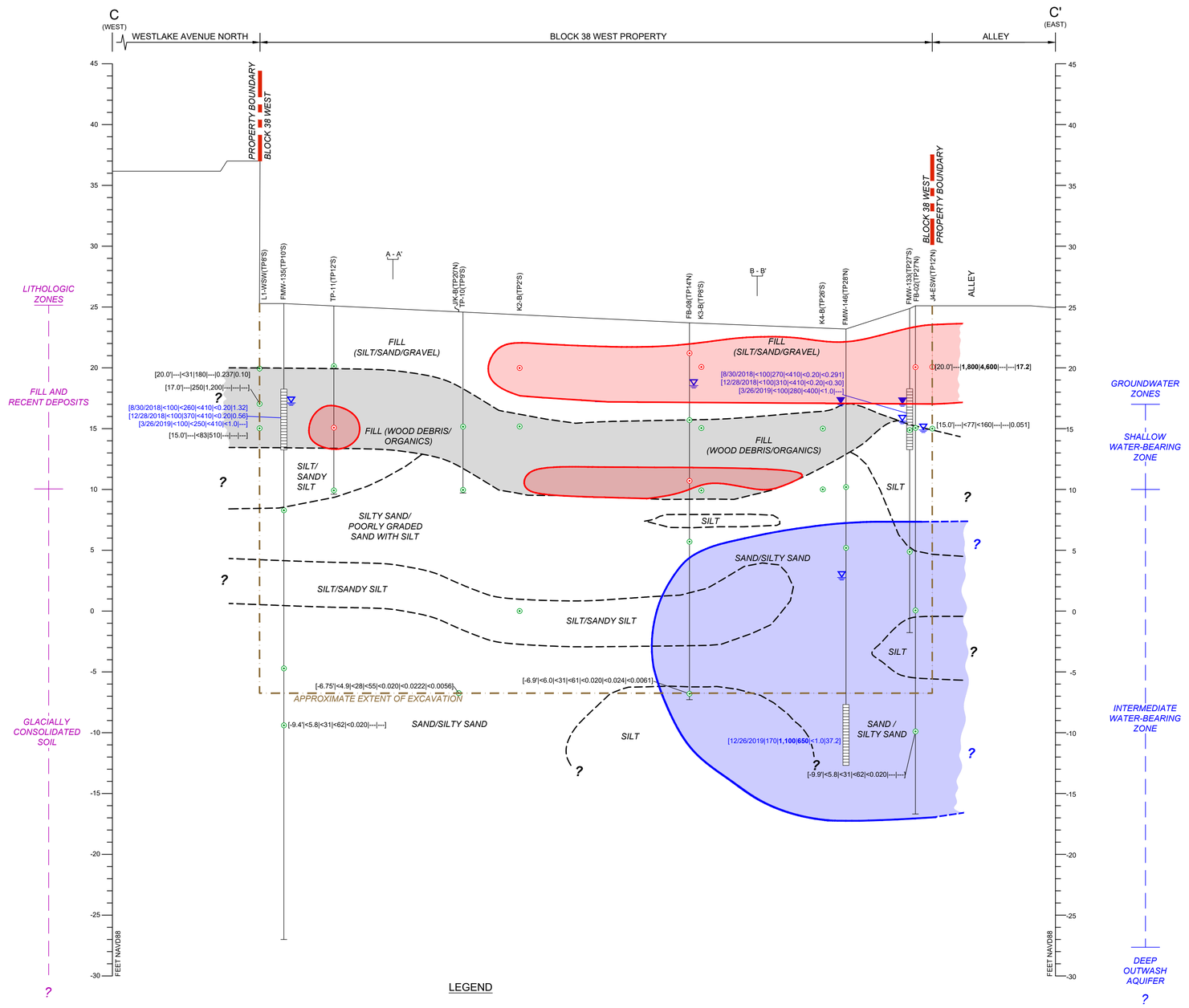
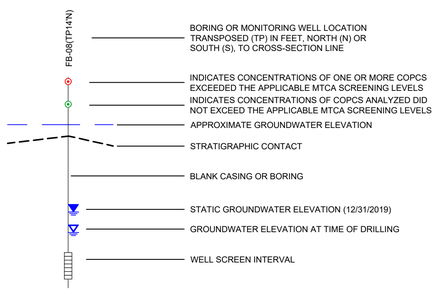


LEGEND



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]

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

[-6.9'|<6.0|<31|<61|<0.020|<0.024|<0.0061] = SOIL ANALYTICAL RESULT [ELEVATION IN FEET NAVD88|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 = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVELS (MTCA METHOD A CLEANUP LEVELS)

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

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

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

COPC = CONSTITUENT OF POTENTIAL CONCERN

APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER

ESTIMATED EXTENT OF SOIL EXCEEDING SCREENING LEVELS

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING SCREENING LEVELS

5'
0'
0'
10'

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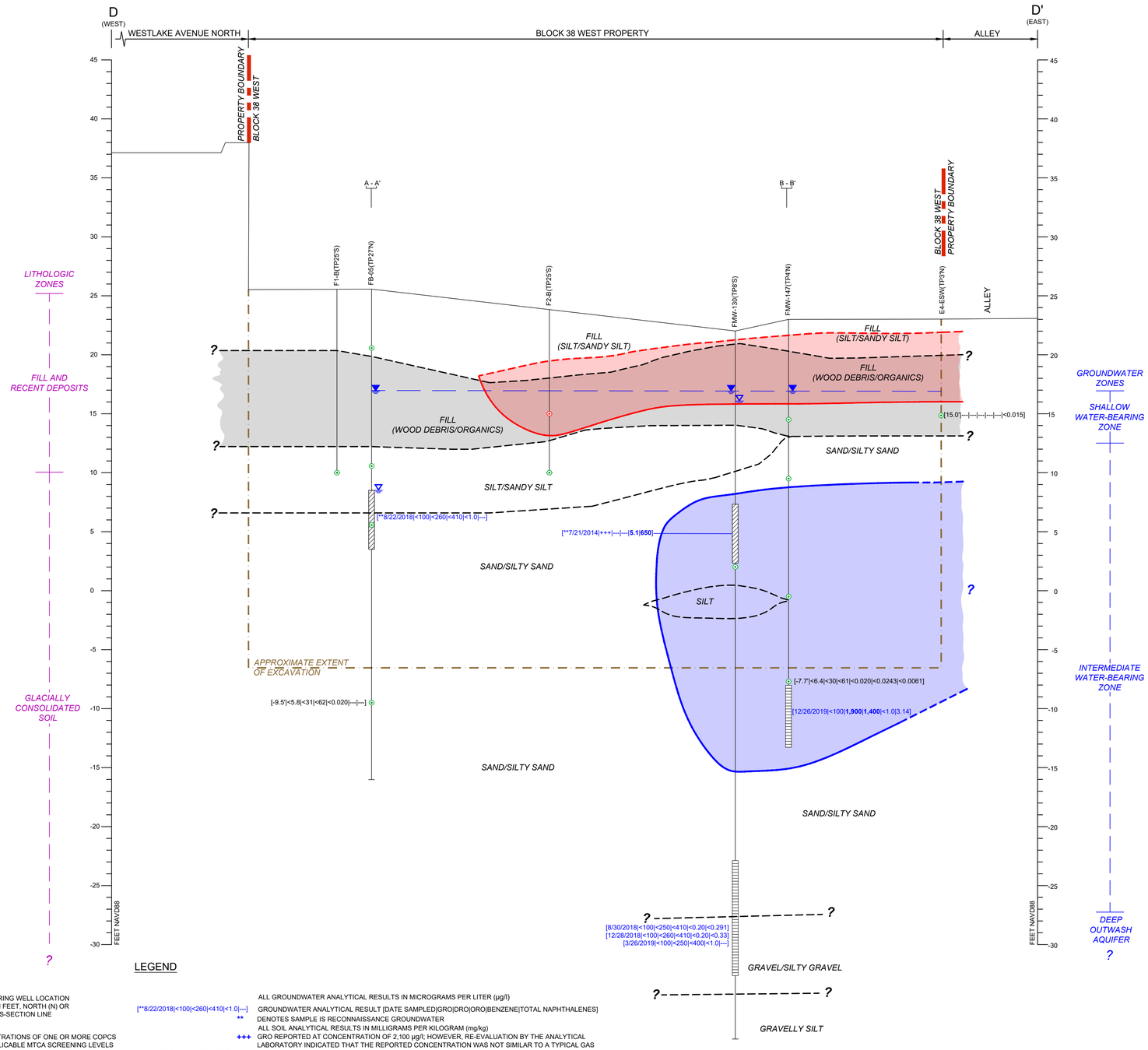
FIGURE 19

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

FARALLON PN:397-019

Drawn By: NM Checked By: CS Date: 8/12/2021



LEGEND

FB-05(TP27'N) — BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, NORTH (N) OR SOUTH (S), TO CROSS-SECTION LINE

INDICATES CONCENTRATIONS OF ONE OR MORE COPCS EXCEEDED THE APPLICABLE MTCA SCREENING LEVELS

INDICATES CONCENTRATIONS OF COPCS ANALYZED DID NOT EXCEED THE APPLICABLE MTCA SCREENING LEVELS

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

[-9.5'|<5.8|<31|<62|<0.020|---|---] SOIL ANALYTICAL RESULT [ELEVATION IN FEET NAVD88|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 = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVELS (MTCA METHOD A CLEANUP LEVELS)

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

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

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

COPC = CONSTITUENT OF POTENTIAL CONCERN

APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER

ESTIMATED EXTENT OF SOIL EXCEEDING SCREENING LEVELS

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING SCREENING LEVELS

5' / 0' / 0' / 10'

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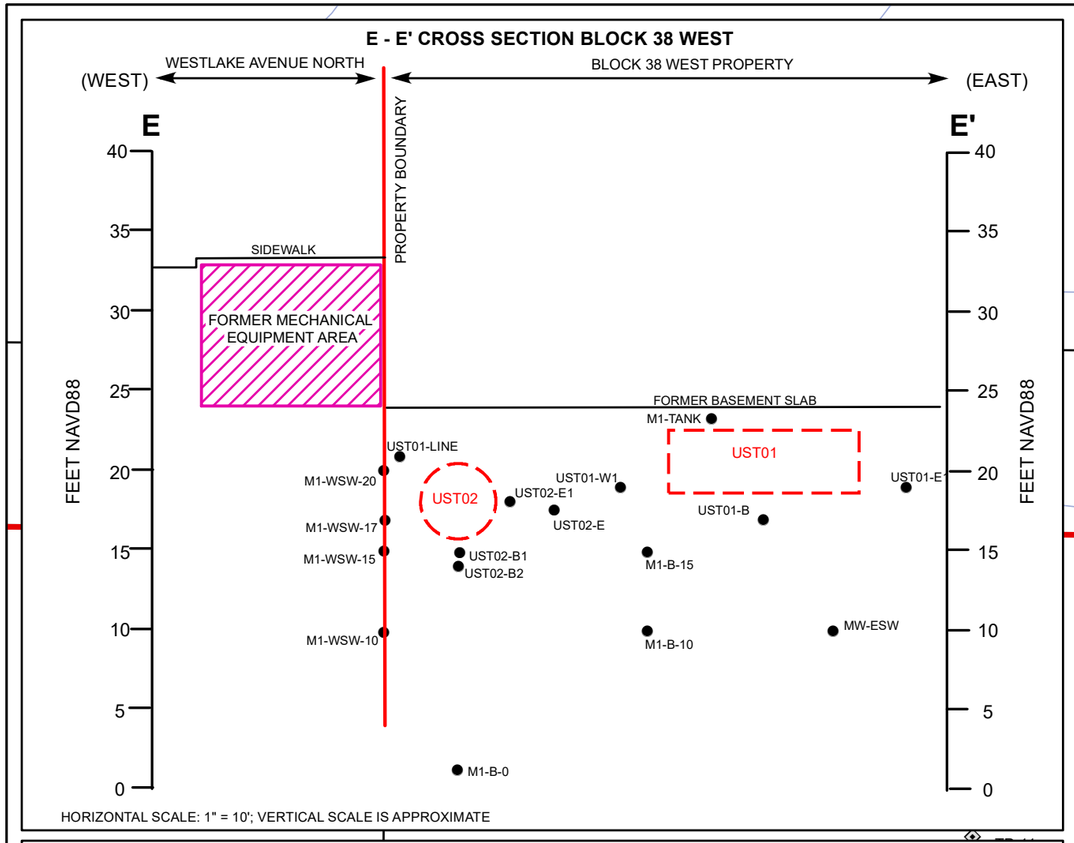
FIGURE 20

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

FARALLON PN:397-019

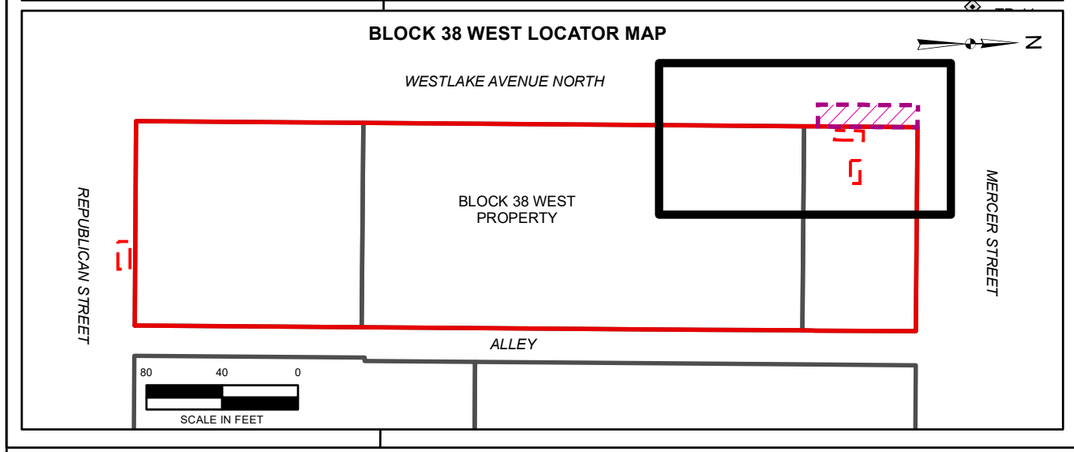
Drawn By: NM Checked By: CS Date: 8/12/2021

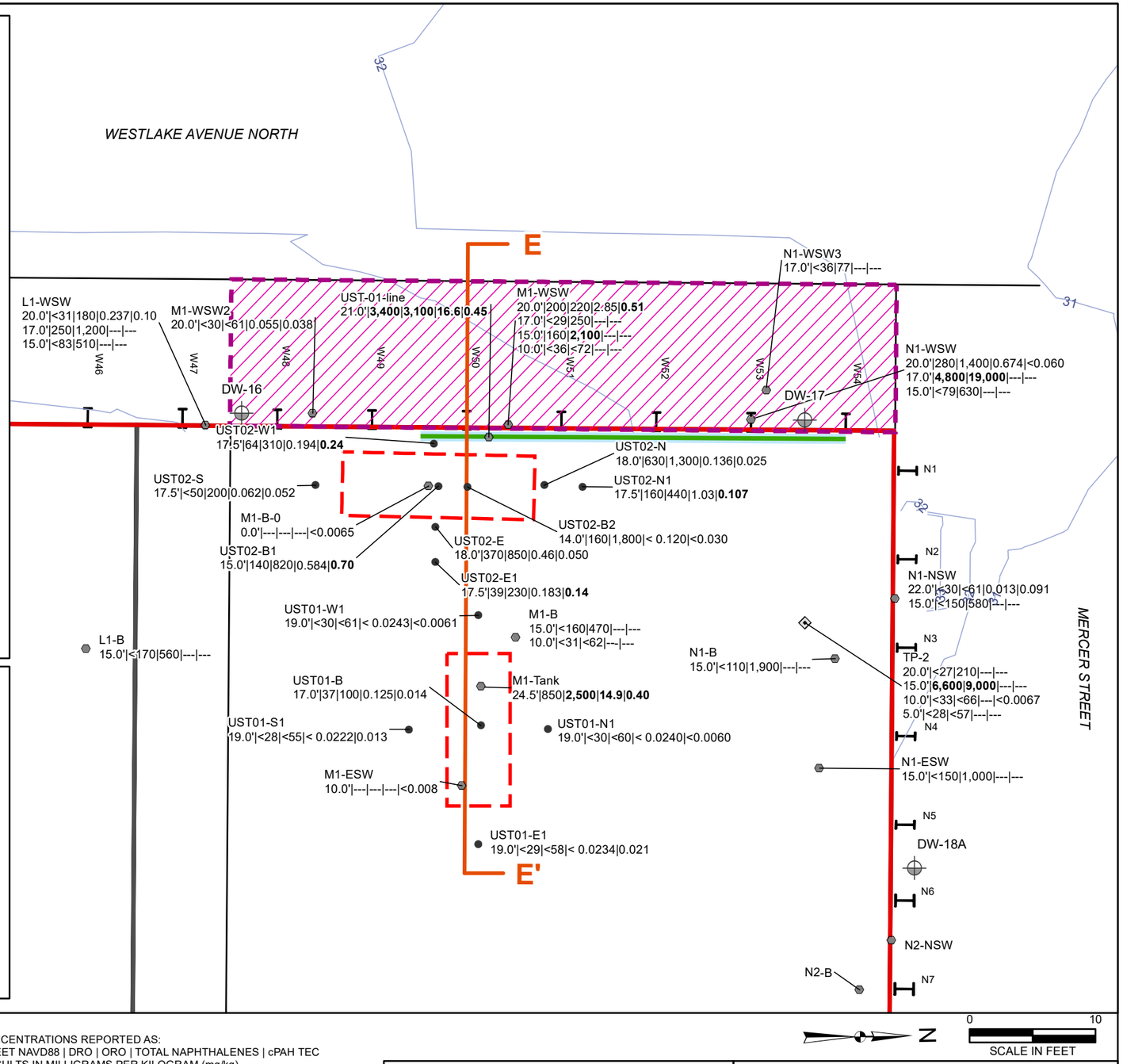
E - E' CROSS SECTION BLOCK 38 WEST



HORIZONTAL SCALE: 1" = 10'; VERTICAL SCALE IS APPROXIMATE

BLOCK 38 WEST LOCATOR MAP





LEGEND

- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- DEWATERING WELL LOCATION
- PIPING ENCOUNTERED IN SIDEWALL [BELIEVED TO BE ASSOCIATED WITH DISCOVERED USTs]
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- UNDERGROUND STORAGE TANK
- PROPERTY BOUNDARY
- PILE
- A A' LINE OF CROSS SECTION

ELEVATION DATA PRESENTED IN FEET ABOVE MEAN SEA LEVEL IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
ELEVATION SOURCE: BUSH, ROED, & HITCHINGS, INC. (2014)

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

NOTES:
DEPTH AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET NAVD88 | DRO | ORO | TOTAL NAPHTHALENES | cPAH TEC
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

- **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 (mg/kg)
- CDF = CONTROLLED DENSITY FILL
- cPAH = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS
- TEC = TOXICITY EQUIVALENT CONCENTRATION
- DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
- ORO = TPH AS OIL-RANGE ORGANICS
- MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
- UST = UNDERGROUND STORAGE TANK

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FIGURE 21

UST DECOMMISSIONING
SOIL ANALYTICAL RESULTS
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

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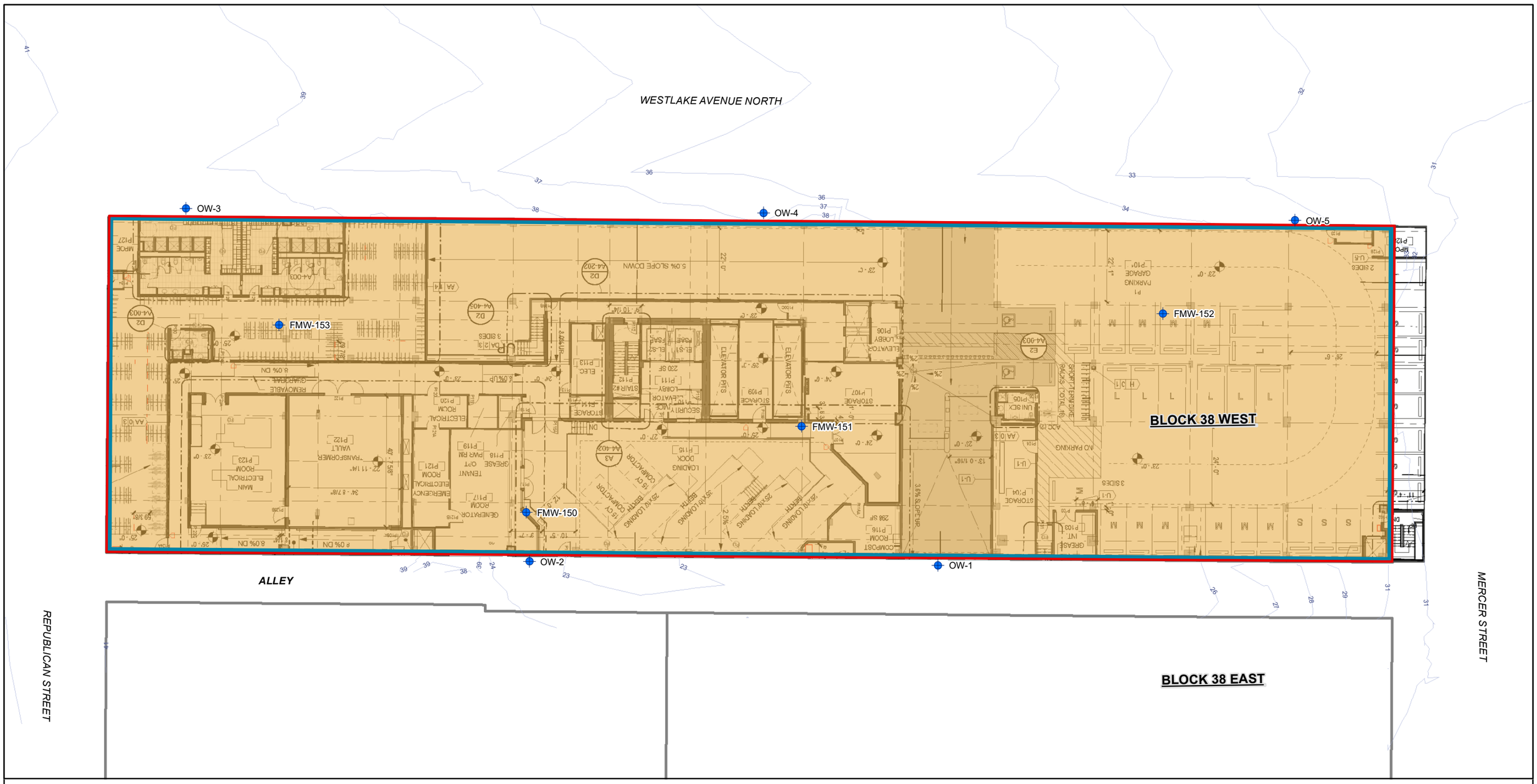

LEGEND

- INTERMEDIATE WATER-BEARING ZONE MONITORING WELL/OBSERVATION
- VERTICAL EXTENT OF VAPOR BARRIER INSTALLED, FROM BASE TO TOP OF SHORING WALL; HYCRETE WATERPROOF CONCRETE EXTENDS TO ELEVATION 20.0 FEET NAVD88
- HORIZONTAL EXTENT OF VAPOR BARRIER INSTALLED ACROSS FOUNDATION; BARRIER PLACED ON TOP OF RAT SLAB FOUNDATION PRIOR TO POURING THE MAT SLAB FOUNDATION WITH TOP 12-INCHES CONSISTING OF HYCRETE WATERPROOF CONCRETE
- ELEVATION CONTOUR
- PROPERTY
- KING COUNTY PARCEL BOUNDARY

N

0 30

SCALE IN FEET

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.
3. ELEVATION DATA PRESENTED IN FEET ABOVE MEAN SEA LEVEL IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ELEVATION SOURCE: BUSH, ROED, & HITCHINGS, INC. (2014)

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FIGURE 22

SITE PLAN - VAPOR BARRIER EXTENT
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

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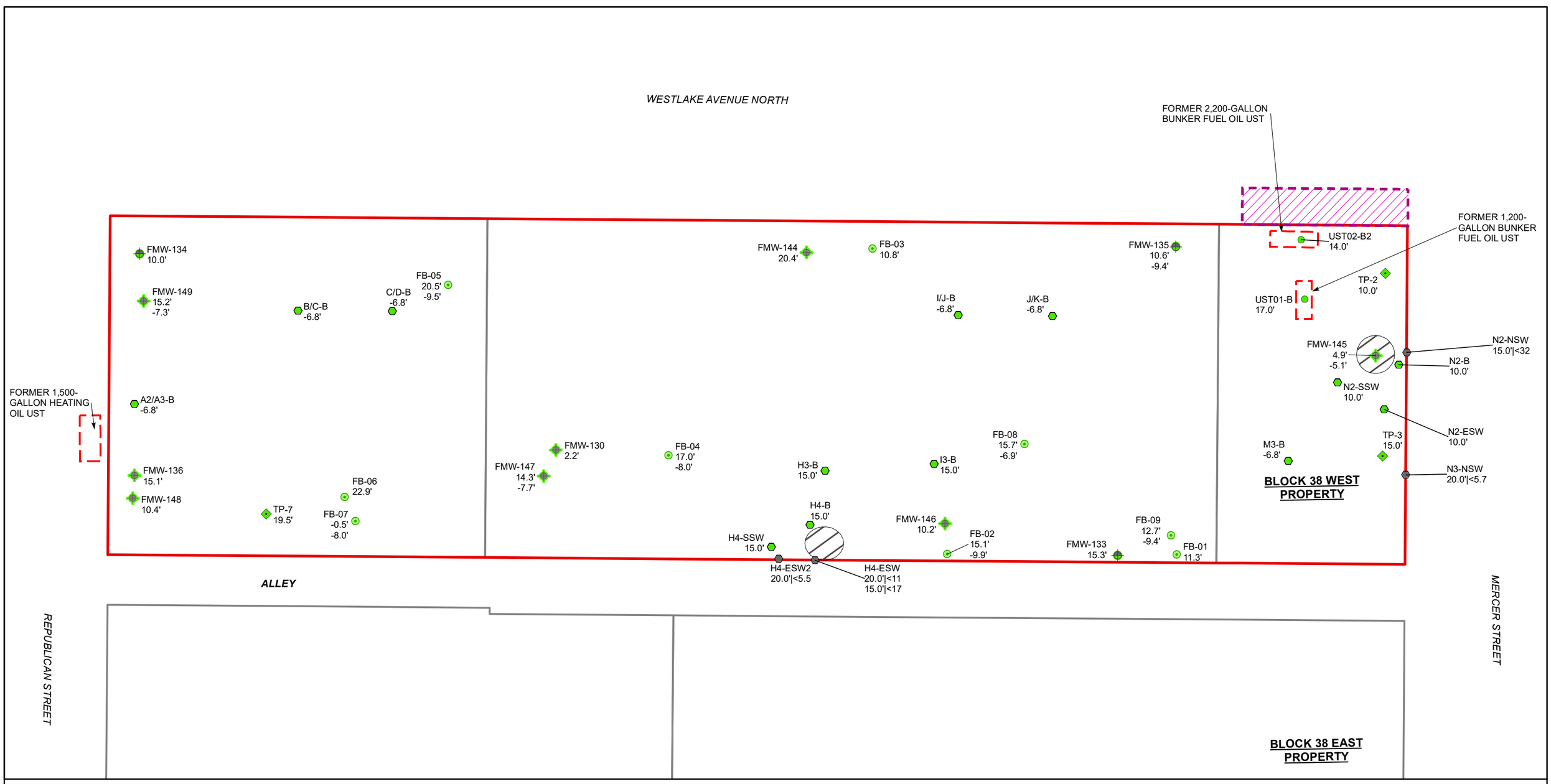
Disc Reference: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\017B IAR_2021_07\Figure-22_SitePlan_w_VaporBarrier_BL38WIAR_17B_2021_07.mxd



LEGEND

- BORING (FARALLON)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE WELL
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- DENOTES SAMPLE LOCATION AND ELEVATION IN FEET NAVD88 WHERE GRO RESULTS ARE LESS THAN THE MTCA SCREENING LEVEL
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR BLOCK 38 WEST SOIL SAMPLES:
ELEVATION IN FEET NAVD88 | GRO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

FOR BLOCK 38 WEST INTERIOR SAMPLES:
15' = DENOTES SAMPLE ELEVATION IN FEET NAVD88

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED FOR TOTAL TOXIC EQUIVALENT
CDF = CONTROLLED DENSITY FILL
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

N

0 30

SCALE IN FEET

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FIGURE 23

CONFIRMATION SOIL SAMPLE RESULTS FOR GRO
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

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WESTLAKE AVENUE NORTH

FORMER 2,200-GALLON BUNKER FUEL OIL UST

FORMER 1,200-GALLON BUNKER FUEL OIL UST

FORMER 1,500-GALLON HEATING OIL UST

FMW-134 10.4'

FMW-149 15.2' -7.3'

B/C-B -6.8'

C/D-B -6.8'

FB-05 20.5' -9.5'

FMW-144 20.4'

FB-03 10.8'

FMW-135 10.6' -9.4

UST02-B2 14.0'

UST01-B 17.0'

TP-2 15.0'

I/J-B -6.8'

J/K-B -6.8'

FMW-145 4.9' -5.1'

J2-B 20.0'

K2-B 20.0'

A2/A3-B -6.8'

FB-08 15.7' -6.9'

I3-B 20.0'

FMW-130 2.2'

FB-04 17.0' -8.0'

M3-B -6.8'

TP-3 15.0'

FMW-136 15.1'

FMW-147 14.3' -7.7'

N3-NSW 20.0'|<0.020

BLOCK 38 WEST PROPERTY

FMW-148 10.4'

TP-7 19.5'

FB-06 22.9'

FB-07 -0.5' -8.0'

FMW-146 10.2'

FB-09 12.7' -9.4

FB-02 15.1' -9.9'

FMW-133 15.3'

FB-01 11.3'

H4-22.7 22.7'

ALLEY

REPUBLICAN STREET

MERCER STREET

BLOCK 38 EAST PROPERTY

LEGEND

- BORING (FARALLON)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE WELL
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- DENOTES SAMPLE LOCATION AND ELEVATION IN FEET NAVD88 WHERE BENZENE RESULTS ARE LESS THAN THE MTCA SCREENING LEVEL
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR BLOCK 38 WEST SOIL SIDEWALL SAMPLES:
ELEVATION IN FEET NAVD88 | BENZENE
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

FOR BLOCK 38 WEST INTERIOR SAMPLES:
15' = DENOTES SAMPLE ELEVATION IN FEET NAVD88

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
CDF = CONTROLLED DENSITY FILL
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 24

CONFIRMATION SOIL SAMPLE RESULTS FOR BENZENE
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

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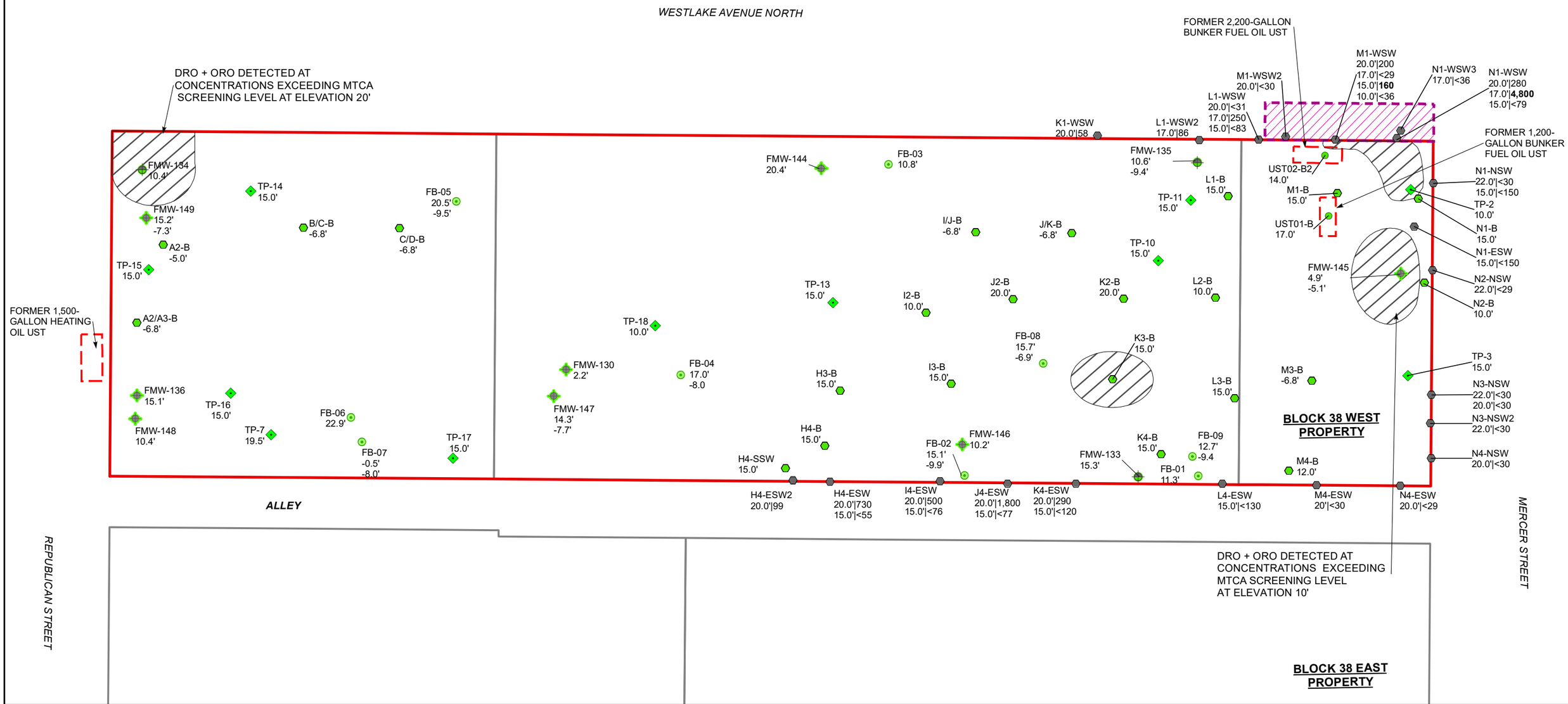

LEGEND

- BORING (FARALLON)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE WELL
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- DENOTES SAMPLE LOCATION AND ELEVATION IN FEET NAVD88 WHERE DRO RESULTS ARE LESS THAN THE MTCA SCREENING LEVEL
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR BLOCK 38 WEST SOIL SAMPLES:
ELEVATION IN FEET NAVD88 | DRO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

FOR BLOCK 38 WEST INTERIOR SAMPLES:
15' = DENOTES SAMPLE ELEVATION IN FEET NAVD88

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
CDF = CONTROLLED DENSITY FILL
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 25

CONFIRMATION SOIL SAMPLE RESULTS
FOR DRO
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

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WESTLAKE AVENUE NORTH

DRO+ORO DETECTED AT CONCENTRATIONS EXCEEDING MTCA SCREENING LEVEL AT ELEVATION 20'

FORMER 2,200-GALLON BUNKER FUEL OIL UST

FORMER 1,200-GALLON BUNKER FUEL OIL UST

FORMER 1,500-GALLON HEATING OIL UST

FMW-134 10.4'
TP-14 15.0'
FB-05 20.5' -9.5'
FMW-149 15.2' -7.3'
B/C-B -6.8
C/D-B -6.8
A2-B -5.0'
TP-15 15.0'
A2/A3-B -6.8
FMW-136 15.1'
TP-16 15.0'
FMW-148 10.4'
TP-7 19.5'
FB-06 22.9'
FB-07 -0.5' -8.0'
TP-17 15.0'
TP-18 10.0'
FMW-130 2.2'
FB-04 17.0' -8.0'
FMW-147 14.3' -7.7'
FMW-144 20.4'
FB-03 10.8'
K1-WSW 20.0'|270
L1-WSW2 17.0'|740
M1-WSW2 20.0'|<61
L1-WSW 20.0'|180 17.0'|1,200 15.0'|510
M1-WSW 20.0'|220 17.0'|250 15.0'|**2,100** 10.0'|<72
N1-WSW 20.0'|1,400 17.0'|**19,000** 15.0'|630
N1-WSW3 17.0'|77
FMW-135 10.6' -9.4'
UST02-B2/ 14.0'
M1-B 15.0'
N1-NSW 22.0'|<61 15.0'|580
TP-11 15.0'
L1-B 15.0'
TP-2 10.0'
UST01-B 17.0'
N1-B 15.0'
I/J-B -6.8
J/K-B -6.8
TP-10 15.0'
FMW-145 4.9' -5.1'
N1-ESW 15.0'|1,000
N2-NSW 22.0'|83
N2-B 10.0'
TP-13 15.0'
I2-B 10.0'
J2-B 20.0'
K2-B 20.0'
L2-B 10.0'
FB-08 15.7' -6.9'
H3-B 15.0'
I3-B 15.0'
K3-B 15.0'
L3-B 15.0'
M3-B -6.8
TP-3 15.0'
N3-NSW 22.0'|<59 20.0'|<61
N3-NSW2 22.0'|<60
BLOCK 38 WEST PROPERTY
H4-B 15.0'
H4-SSW 15.0'
H4-ESW2 20.0'|180
FMW-146 10.2'
K4-B 15.0'
FB-09 12.7' -9.4'
M4-B 12.0'
N4-NSW 20.0'|<60
H4-ESW 20.0'|**2,900** 15.0'|<110
I4-ESW 20.0'|1,800 15.0'|160
FB-02 15.1' -9.9'
J4-ESW 20.0'|**4,600** 15.0'|<160
K4-ESW 20.0'|960 15.0'|710
FMW-133 15.3'
FB-01 11.3'
L4-ESW 15.0'|940
M4-ESW 20'|<61
N4-ESW 20.0'|<58

ALLEY

REPUBLICAN STREET

MERCER STREET

DRO + ORO DETECTED AT CONCENTRATIONS EXCEEDING MTCA SCREENING LEVEL AT ELEVATION 10'

BLOCK 38 EAST PROPERTY

LEGEND

- BORING (FARALLON)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE WELL
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- DENOTES SAMPLE LOCATION AND ELEVATION IN FEET NAVD88 WHERE ORO RESULTS ARE LESS THAN THE MTCA SCREENING LEVEL
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR BLOCK 38 WEST SOIL SAMPLES:
ELEVATION IN FEET NAVD88 | ORO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

FOR BLOCK 38 WEST INTERIOR SAMPLES:
15' = DENOTES SAMPLE ELEVATION IN FEET NAVD88

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVEL (MTCA METHOD A CLEANUP LEVEL)
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
CDF = CONTROLLED DENSITY FILL
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

N

0 30
SCALE IN FEET

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FIGURE 26

CONFIRMATION SOIL SAMPLE RESULTS FOR ORO
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

FARALLON PN: 397-019

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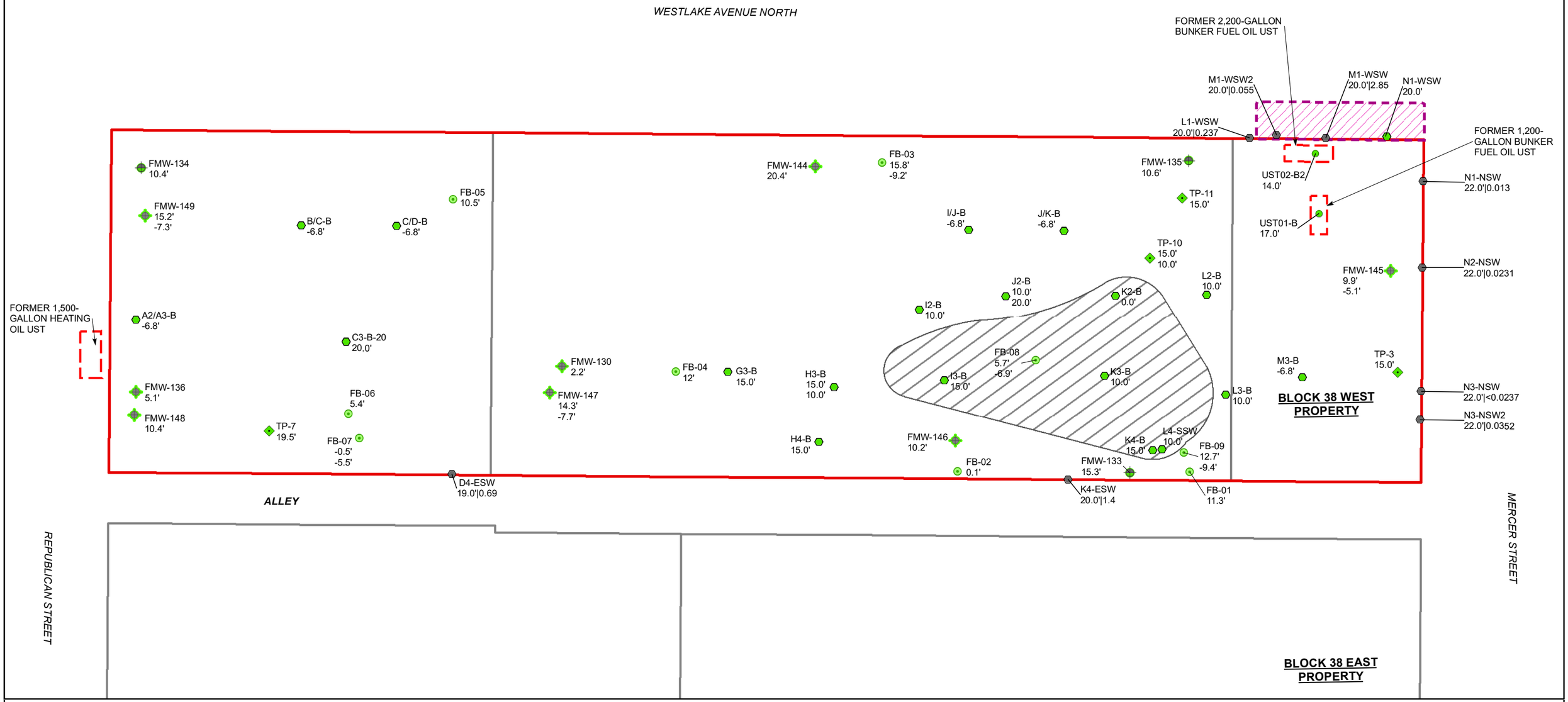

LEGEND

- BORING (FARALLON)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE WELL
- UST SAMPLE LOCATION
- EXCAVATION SAMPLE LOCATION
- TEST PIT (FARALLON)
- KING COUNTY PARCEL
- DENOTES SAMPLE LOCATION AND ELEVATION IN FEET NAVD88 WHERE TOTAL NAPHTHALENES RESULTS ARE LESS THAN THE MTCA SCREENING LEVEL
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)

NOTES:
FOR BLOCK 38 WEST SOIL SAMPLES:
ELEVATION IN FEET NAVD88 | TOTAL NAPHTHALENES ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

FOR BLOCK 38 WEST INTERIOR SAMPLES:
15' = DENOTES SAMPLE ELEVATION IN FEET NAVD88

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED FOR TOTAL TOXIC EQUIVALENT
CDF = CONTROLLED DENSITY FILL
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

N

0 30

SCALE IN FEET

ALL LOCATIONS ARE APPROXIMATE.
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FIGURE 27

CONFIRMATION SOIL SAMPLE RESULTS
TOTAL NAPHTHALENES
BLOCK 38 WEST SITE
SEATTLE, WASHINGTON

FARALLON PN: 397-019

Drawn By: TPerrin | Checked By: CS | Date: 8/12/2021 | Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\017B IAR_2021_07\Figure-27_Soil-Napth_Soil_cPAHTEC_ConfirmSoilData_BL38WIAR_2021_07.mxd

WESTLAKE AVENUE NORTH

ALLEY

REPUBLICAN STREET

MERCER STREET

FORMER 2,200-GALLON BUNKER FUEL OIL UST

FORMER 1,200-GALLON BUNKER FUEL OIL UST

FORMER 1,500-GALLON HEATING OIL UST

BLOCK 38 WEST PROPERTY

BLOCK 38 EAST PROPERTY

FMW-134 10.4'
FMW-149 15.2' -7.3'
FMW-136 5.1'
FMW-148 10.4'
FB-05 10.5'
B/C-B -6.8'
C/D-B -6.8'
B2-B 15.0'
C2-B 15.0'
D2-B 15.0'
A2/A3-B -6.8'
B3-B 15.0'
TP-16 20.0'
C3-B 15.0'
D3-B 15.0'
FB-06 15.4'
TP-7 19.5'
FB-07 -0.5' -5.5
C4-ESW 19.0'|<0.016 15.0'|<0.016
D4-ESW 19.0'|0.019 15.0'|<0.019
E4-ESW 15.0'|<0.015
F4-ESW 15.0'|0.027
F1-B 10.0'
F2-B 10.0'
G1-B 0.0'
H1-WSW 20.0'|0.026
H1-SSW 15.0'
H1-B 5.0'
FB-03 15.8' -9.2'
H1-ESW 15.0'
G2-B 15.0'
TP-13 15.0'
FMW-130 2.2'
FB-04 7.0'
G3-B 10.0'
FMW-147 14.3' -7.7'
H3-B 10.0'
H4-B 15.0'
H4-SSW 15.0'
G4-ESW 15.0'|<0.011
H4-ESW2 20.0'|**2.5**
H4-ESW 20.0'|**2.5** 15.0'|<0.011
I/J-B -6.8'
J2-B 15.0'
I3-B 15.0'
FMW-146 10.2'
FB-02 -0.1'
I4-ESW 20.0'|**35.5** 15.0'|<0.015
J4-ESW 20.0'|**17.2** 15.0'|0.051
FB-08 5.7' -6.9'
J/K-B -6.8'
K2-B 15.0'
K3-B 15.0'
K4-B 15.0'
K4-ESW 20.0'|**3.1** 15.0'|<0.025
FMW-133 15.3'
FB-09 12.7' -9.4
FB-01 11.3'
L2-B 0.0'
L3-B 10.0'
L4-ESW 15.0'|<0.026
M1-WSW2 20.0'|0.038
L1-WSW 20'|0.10
M1-WSW 20.0'|**0.51**
N1-WSW 20.0'|<0.060
FMW-135 10.6'
TP-11 10.0'
UST02-B2 14.0'
M1-B-0 10.0'
UST01-B 17.0'
M1-ESW 10.0'
TP-10 15.0'
M2-B 0.0'
M3-B -6.8'
M4-ESW 20.0'|0.016
N1-NSW 22.0'|0.091
TP-2 10.0'
N2-NSW 22.0'|0.069
N2-B 15.0'
FMW-145 9.9' -5.1'
TP-3 15.0'
N3-NSW 22.0'|<0.0060
N3-NSW2 22.0'|0.024
N4-NSW 20.0'|0.046
N4-ESW 20.0'|<0.0058

LEGEND

- BORING (FARALLON)
- DECOMMISSIONED SHALLOW WATER-BEARING ZONE WELL
- DECOMMISSIONED INTERMEDIATE WATER-BEARING ZONE WELL
- UST SAMPLE LOCATION (FARALLON)
- EXCAVATION SAMPLE LOCATION (FARALLON)
- TEST PIT (FARALLON)
- DENOTES SAMPLE LOCATION AND ELEVATION IN FEET NAVD88 WHERE cPAH TEC RESULTS ARE LESS THAN THE MTCA SCREENING LEVEL
- ESTIMATED EXTENT OF SOIL EXCEEDING THE SCREENING LEVEL THAT WAS EXCAVATED AND REMOVED
- MECHANICAL EQUIPMENT AREA DECOMMISSIONED AND FILLED WITH CDF
- PROPERTY BOUNDARY
- FORMER UNDERGROUND STORAGE TANKS (USTs)
- KING COUNTY PARCEL BOUNDARY

NOTES:
FOR BLOCK 38 WEST SOIL SAMPLES:
DEPTH AND CONCENTRATIONS REPORTED AS:
ELEVATION IN FEET NAVD88 | cPAH TEC
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

FOR BLOCK 38 WEST INTERIOR SAMPLES:
15' = DENOTES SAMPLE ELEVATION IN FEET NAVD88

BOLD = DENOTES ELEVATION AND 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)
CDF = CONTROLLED DENSITY FILL
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 28

CONFIRMATION SOIL SAMPLE RESULTS FOR cPAH TEC BLOCK 38 WEST SITE SEATTLE, WASHINGTON

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Drawn By: TPerrin Checked By: SS Date: 8/12/2021 Disc Reference:
Document Path: Q:\Projects\397 VULCAN\019_Block38\Mapfiles\017B IAR_2021_07\Figure-28_Soil-cPAHs_Soil_cPAHTEC_ConfirmSoilData_BL38WIAR_2021_07.mxd

A
(NORTH)

A'
(SOUTH)

MERCER STREET

PROPERTY BOUNDARY

REPUBLICAN STREET

PROPERTY BOUNDARY

NEW MIXED-USE BUILDING

APPROXIMATE PRE-CONSTRUCTION GROUND SURFACE

NEW SUBSURFACE PARKING STRUCTURE

APPROXIMATE EXTENT OF EXCAVATION

N1-NSW(TP8'E)
N1-BH(TP4'E)
N1-ESW(TP4'W)
TP-2(TP7'E)
FMW-145(TP19'W)
[22.0'|---|<30|<61|---|0.013|0.091]
[15.0'|---|<150|580|---|---|---]
[-6.75'|<4.9|<28|<55|<0.020|<0.0222|<0.0056]
[-7.6'|<4.8|<29|<57|<0.020|<0.0228|<0.0057]
[-10.1'|<5.5|<31|<61|<0.020|<0.0243|<0.0061]
[12/26/2019|<100|280|310|<1.0|<0.282]

M1-B(TP5'E)
M1-ESW(TP6'E)

L1-B(TP4'E)

FMW-136(TP15'E)
TP-11(TP3'E)
TP-10(TP15'W)

[-9.4'|<5.8|<31|<62|<0.020|---|---]

J/K-B(TP7'W)

C - C'

I/J-B(TP7'W)

[-9.2'|---|---|---|---|<0.024|<0.0060]

FB-03(TP13'E)

H1-B(TP10'E)
FMW-144(TP12'E)
H1-ESW(TP7'W)

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

H1-SSW(TP11'E)

G1-B(TP16'E)

TP-12(TP15'E)

[-6.75'|<5.0|<26|<53|<0.020|<0.0210|<0.0053]

F1-B(TP4'E)

D - D'

FB-05(TP11'W)

[-9.5'|<5.8|<31|<62|<0.020|---|---]

C/D-B(TP8'W)

B/C-B(TP8'W)

TP-14(TP2'E)

[-6.75'|<5.6|<28|<56|<0.020|0.021|<0.0057]
[-6.75'|<6.1|<29|<57|<0.020|0.018|<0.0058]

A2-B(TP11'W)

FMW-149(TP7'W)
FMW-134(TP8'E)

[-7.3'|<4.3|<28|<56|<0.020|<0.0225|<0.0057]

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

FILL
(SILT/SAND/
GRAVEL)

FILL
(WOOD DEBRIS/
ORGANICS)

SAND/
SILTY SAND

?

FILL
(SILT/SAND/GRAVEL)

FILL
(WOOD DEBRIS/
ORGANICS)

SAND/SILTY SAND

SAND/SILTY SAND

SAND/SILTY SAND

GROUNDWATER ZONES

FORMER SHALLOW WATER-BEARING ZONE

INTERMEDIATE WATER-BEARING ZONE

DEEP OUTWASH AQUIFER

?

LITHOLOGIC ZONES

FORMER 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

FMW-145(TP19'W)

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

INDICATES CONCENTRATIONS OF ONE OR MORE COPCS EXCEEDED THE APPLICABLE MTCA SCREENING LEVELS

INDICATES CONCENTRATIONS OF COPCS ANALYZED DID NOT EXCEED THE APPLICABLE MTCA SCREENING LEVELS

APPROXIMATE GROUNDWATER ELEVATION

STRATIGRAPHIC CONTACT

BLANK CASING OR BORING

TEMPORARY SCREEN INTERVAL

WELL SCREEN INTERVAL (DECOMMISSIONED)

LEGEND

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

[12/26/2019|<100|280|310|<1.0|<0.282] GROUNDWATER ANALYTICAL RESULT [DATE SAMPLED|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES]

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

[-9.2'|---|---|---|---|<0.024|<0.0060] SOIL ANALYTICAL RESULT [ELEVATION IN FEET NAVD88|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
--- = SAMPLE NOT ANALYZED FOR CONSTITUENT
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988
COPC = CONSTITUENT OF POTENTIAL CONCERN

APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING SCREENING LEVELS

VERTICAL VAPOR/GROUNDWATER BARRIER SYSTEM

SUB-SLAB VAPOR BARRIER SYSTEM

5'
0'
0'
20'

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FIGURE 29

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

FARALLON PN:397-019

Drawn By:NM Checked By:CS Date: 8/12/2021

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B (NORTH)

B' (SOUTH)

MERCER STREET

PROPERTY BOUNDARY

REPUBLICAN STREET

PROPERTY BOUNDARY

NEW MIXED-USE BUILDING

NEW SUBSURFACE PARKING STRUCTURE

APPROXIMATE PRE-CONSTRUCTION GROUND SURFACE

C - C'

D - D'

NS-NSW(TP3E)
TP-3(TP11'E)
M3-B(TP2'E)
M4-B(TP20'W)
L3-B(TP1'E)
FB-09(TP12'W)
RMW-132(TP16'W)
K3-B(TP16'W)
FMW-133(TP22'W)
K3-B(TP9'E)
FB-08(TP13'E)
I3-B(TP7'E)
FB-07(TP7'W)
FMW-146(TP13'W)
H3-B(TP2'E)
H4-B(TP14'W)
G3-B(TP6'E)
FB-04(TP8'E)
TP-18(TP22'E)
FMW-130(TP9'E)
FMW-147(TP1'W)
TP-17(TP20'W)
D3-B(TP2'E)
C3-B(TP1'E)
FB-06(TP7'W)
TP-7(TP13'W)
B3-B(TP10'E)
TP-16(TP2'W)
A2/A3-B(TP22'E)
FMW-138(TP2'W)
FMW-148(TP6'W)

[22.0'|---|<30|<59|---|<0.0237|<0.0060]

[20.0'|<5.7|<30|<61|<0.020|---|---]

FILL (SILTY SAND)

FILL (WOOD DEBRIS/ ORGANICS)

SAND/ SILTY SAND

FILL (SILT/SAND/ GRAVEL)

SILT/ SANDY SILT

SAND/ SILTY SAND

FILL (WOOD DEBRIS/ ORGANICS)

[-6.75'|<5.2|<29|<58|<0.020|<0.0231|<0.0058]

APPROXIMATE EXTENT OF EXCAVATION

[-6.9'|<6.0|<31|<61|<0.020|<0.024|<0.0061]

[-9.4'|<5.8|<31|<62|<0.020|<0.025|<0.0063]

SAND/SILTY SAND

[-9.9'|<5.8|<31|<62|<0.020|---|---]

[12/26/2019|170|**1,100**|**650**|<1.0|37.2]

[-8.0'|<5.5|<30|<59|<0.020|---|---]

SAND/SILTY SAND

[-7.7'|<6.4|<30|<61|<0.020|<0.0243|<0.0061]

[12/26/2019|<100|**1,900**|**1,400**|<1.0|3.14]

SAND/SILTY SAND

[-6.75'|<5.7|<30|<59|<0.020|<0.0237|<0.0060]

[8/30/2018|<100|<250|<400|<0.20|0.39]
[12/28/2018|<100|<260|<410|<0.20|<0.30]
[3/26/2019|<100|<250|<410|<1.0|---]

[7/24/2014|<100|---|---|<1.0|---]
[7/3/2017|<100|---|---|<0.20|---]
[8/30/2018|<100|<250|<410|<0.20|<0.291]
[12/28/2018|<100|<260|<410|<0.20|<0.33]
[3/26/2019|<100|<250|<400|<1.0|---]

GRAVEL/SILTY GRAVEL

GRAVELLY SILT

GROUNDWATER ZONES

FORMER SHALLOW WATER-BEARING ZONE

INTERMEDIATE WATER-BEARING ZONE

DEEP OUTWASH AQUIFER

LITHOLOGIC ZONES

FORMER 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

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]

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

[-9.9'|<5.8|<31|<62|<0.020|---|---] SOIL ANALYTICAL RESULT [ELEVATION IN FEET NAVD88|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 = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVELS (MTCA METHOD A CLEANUP LEVELS)

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

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

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

COPC = CONSTITUENT OF POTENTIAL CONCERN

APPROXIMATE AREA OF WOOD DEBRIS/ORGANICS LAYER

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING SCREENING LEVELS

VERTICAL VAPOR/GROUNDWATER BARRIER SYSTEM

SUB-SLAB VAPOR BARRIER SYSTEM

TP-3 (TP11'E)

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

INDICATES CONCENTRATIONS OF ONE OR MORE COPCS EXCEEDED THE APPLICABLE MTCA SCREENING LEVELS

INDICATES CONCENTRATIONS OF COPCS ANALYZED DID NOT EXCEED THE APPLICABLE MTCA SCREENING LEVELS

APPROXIMATE GROUNDWATER ELEVATION

STRATIGRAPHIC CONTACT

BLANK CASING OR BORING

TEMPORARY SCREEN INTERVAL

WELL SCREEN INTERVAL

5' 0' 0' 20'

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FIGURE 30

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

FARALLON PN:397-019

Drawn By:NM Checked By:CS Date: 8/12/2021

C (WEST) — C' (EAST)

WESTLAKE AVENUE NORTH | BLOCK 38 WEST PROPERTY | ALLEY

PROPERTY BOUNDARY BLOCK 38 WEST

NEW MIXED-USE BUILDING

APPROXIMATE PRE-CONSTRUCTION GROUND SURFACE

A - A'

B - B'

L1-WBW(TP8'S) FMW-135(TP10'S) TP-11(TP12'S) JK-B(TP20'N) TP-10(TP9'S) K2-B(TP2'S) FB-08(TP14'N) K3-B(TP8'S) K4-B(TP26'S) FMW-146(TP28'N) FMW-133(TP27'S) TP-04(TP27'N) J4-ESW(TP12'N)

BLOCK 38 WEST PROPERTY BOUNDARY

ALLEY

LITHOLOGIC ZONES

FORMER FILL AND RECENT DEPOSITS

GLACIALLY CONSOLIDATED SOIL

FILL (SILT/SAND/GRAVEL)

[20.0'|---|<31|180|---|0.237|0.10]

[17.0'|---|250|1,200|---|---|---]

FILL (WOOD DEBRIS/ ORGANICS)

[15.0'|---|<83|510|---|---|---]

SILT/ SANDY SILT

SILTY SAND/ POORLY GRADED SAND WITH SILT

SILT/SANDY SILT

NEW SUBSURFACE PARKING STRUCTURE

[-6.75'|<4.9|<28|<55|<0.020|<0.0222|<0.0056]

APPROXIMATE EXTENT OF EXCAVATION

[-6.9'|<6.0|<31|<61|<0.020|<0.024|<0.0061]

[-9.4'|<5.8|<31|<62|<0.020|---|---]

SAND/SILTY SAND

SILT

SAND / SILTY SAND

[12/26/2019|170|**1,100**|**650**|<1.0|37.2]

[-9.9'|<5.8|<31|<62|<0.020|---|---]

[20.0'|---|**1,800**|**4,600**|---|---|**17.2**]

FILL (SILT/SAND/GRAVEL)

[15.0'|---|<77|<160|---|---|0.051]

SILT

SAND / SILTY SAND

SILT

GROUNDWATER ZONES

FORMER SHALLOW WATER-BEARING ZONE

INTERMEDIATE WATER-BEARING ZONE

DEEP OUTWASH AQUIFER

FEET NAVD88

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

LEGEND

FB-08(TP14'N)

BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, NORTH (N) OR SOUTH (S), TO CROSS-SECTION LINE

INDICATES CONCENTRATIONS OF ONE OR MORE COPCS EXCEEDED THE APPLICABLE MTCA SCREENING LEVELS

INDICATES CONCENTRATIONS OF COPCS ANALYZED DID NOT EXCEED THE APPLICABLE MTCA SCREENING LEVELS

APPROXIMATE GROUNDWATER ELEVATION

STRATIGRAPHIC CONTACT

BLANK CASING OR BORING

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]

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

[-9.9'|<5.8|<31|<62|<0.020|---|---] SOIL ANALYTICAL RESULT [ELEVATION IN FEET NAVD88|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 = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVELS (MTCA METHOD A CLEANUP LEVELS)

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

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

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

COPC = CONSTITUENT OF POTENTIAL CONCERN

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING SCREENING LEVELS

VERTICAL VAPOR/GROUNDWATER BARRIER SYSTEM

SUB-SLAB VAPOR BARRIER SYSTEM

5' 0' 0' 10'

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FIGURE 31

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

FARALLON PN:397-019

Drawn By: NM Checked By: CS Date: 8/12/2021

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D (WEST) — D' (EAST)

WESTLAKE AVENUE NORTH | BLOCK 38 WEST PROPERTY | ALLEY

PROPERTY BOUNDARY — BLOCK 38 WEST

NEW MIXED-USE BUILDING

NEW SUBSURFACE PARKING STRUCTURE

APPROXIMATE PRE-CONSTRUCTION GROUND SURFACE

APPROXIMATE EXTENT OF EXCAVATION

A - A' | B - B'

F1-B(TP25'S) | FB-05(TP27'N) | F2-B(TP25'S) | FMW-13R(TP8'S) | FMW-14?(TP4'N) | E4-ESW(TP3'N)

ALLEY

LITHOLOGIC ZONES

FORMER FILL AND RECENT DEPOSITS

GLACIALLY CONSOLIDATED SOIL

FILL (SILT/SANDY SILT)

FILL (WOOD DEBRIS/ORGANICS)

SAND/SILTY SAND

SAND/SILTY SAND

SAND/SILTY SAND

SAND/SILTY SAND

GRAVEL/SILTY GRAVEL

GRAVELLY SILT

FILL (SILT/SANDY SILT)

FILL (WOOD DEBRIS/ ORGANICS)

[15.0'|---|---|---|---|<0.015]

SAND/SILTY SAND

[-9.5'|<5.8|<31|<62|<0.020|---|---]

[-7.7'|<6.4|<30|<61|<0.020|<0.0243|<0.0061]

[12/26/2019|<100|**1,900**|**1,400**|<1.0|3.14]

[8/30/2018|<100|<250|<410|<0.20|<0.291]
[12/28/2018|<100|<260|<410|<0.20|<0.33]
[3/26/2019|<100|<250|<400|<1.0|---]

GROUNDWATER ZONES

FORMER SHALLOW WATER-BEARING ZONE

INTERMEDIATE WATER-BEARING ZONE

DEEP OUTWASH AQUIFER

FEET NAVD88

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

LEGEND

FB-05(TP27'N) — BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, NORTH (N) OR SOUTH (S), TO CROSS-SECTION LINE

INDICATES CONCENTRATIONS OF ONE OR MORE COPCS EXCEEDED THE APPLICABLE MTCA SCREENING LEVELS

INDICATES CONCENTRATIONS OF COPCS ANALYZED DID NOT EXCEED THE APPLICABLE MTCA SCREENING LEVELS

APPROXIMATE GROUNDWATER ELEVATION

STRATIGRAPHIC CONTACT

BLANK CASING OR BORING

TEMPORARY SCREEN INTERVAL

WELL SCREEN INTERVAL

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

[12/26/2019|<100|**1,900**|**1,400**|<1.0|3.14] GROUNDWATER ANALYTICAL RESULT [DATE SAMPLED|GRO|DRO|ORO|BENZENE|TOTAL NAPHTHALENES]

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

[-9.5'|<5.8|<31|<62|<0.020|---|---] SOIL ANALYTICAL RESULT [ELEVATION IN FEET NAVD88|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 = DENOTES CONCENTRATIONS THAT EXCEED THE SCREENING LEVELS (MTCA METHOD A CLEANUP LEVELS)

--- = SAMPLE NOT ANALYZED FOR CONSTITUENT

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

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

COPC = CONSTITUENT OF POTENTIAL CONCERN

ESTIMATED EXTENT OF GROUNDWATER EXCEEDING SCREENING LEVELS

VERTICAL VAPOR/GROUNDWATER BARRIER SYSTEM

SUB-SLAB VAPOR BARRIER SYSTEM

5' / 0' — 0' / 10'

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FIGURE 32

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

FARALLON PN:397-019

Drawn By:NM Checked By:CS Date: 8/12/2021

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TABLES

INTERIM ACTION REPORT
Block 38 West Site
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	General Location	Sample Type	Sample Location Disposition	Sample Depth (feet)[1]	Sample Elevation (feet NAVD88)[1]	Sample Date	Analytical Results (milligrams per kilogram)								
								NWTPH-Dx[2]		Total NWTPH-Dx[3]	NWTPH-Dx with Silica Gel[2]		NWTPH-Gx[4]	EPA Method 8021B/8260[5]			
								DRO	ORO		DRO	ORO	GRO	Benzene	Toluene	Ethylbenzene	Xylenes
Block 38 West Property																	
FB-01	FB-01-5.0-082118	Interior	Performance	Removed	5.0	21.3	8/21/2018	520	**3,700**	**4,220**	510 N	1,100	< 6.2	< 0.020	< 0.062	< 0.062	< 0.124
	FB-01-15.0-082118	Interior	Confirmation	Removed	15.0	11.3	8/21/2018	< 40	250	250	< 40	< 81	< 9.1	< 0.020	< 0.091	< 0.091	< 0.182
	FB-01-30.0-082118	Interior	Confirmation	Removed	30.0	-3.7	8/21/2018	< 29	< 58	< 87	---	---	< 5.1	< 0.020	< 0.051	< 0.051	< 0.102
FB-02	FB-02-5.0-082018	Interior	Performance	Removed	5.0	20.1	8/20/2018	280 N	670	950	---	---	< 5.4	< 0.020	< 0.054	< 0.054	< 0.108
	FB-02-10.0-082018	Interior	Confirmation	Removed	10.0	15.1	8/20/2018	< 61	270	270	---	---	< 19	< 0.037	< 0.19	< 0.19	< 0.38
	FB-02-25.0-082018	Interior	Confirmation	Removed	25.0	0.1	8/20/2018	< 30	< 60	< 90	---	---	< 5.2	< 0.020	< 0.052	< 0.052	< 0.104
	FB-02-35.0-082018	Interior	Confirmation	In Place	35.0	-9.9	8/20/2018	< 31	< 62	< 93	---	---	< 5.8	< 0.020	< 0.058	< 0.058	< 0.116
FB-03	FB-03-10.0-082318	Interior	Confirmation	Removed	10.0	15.8	8/23/2018	< 32	< 65	< 97	---	---	< 6.5	< 0.020	< 0.065	< 0.065	< 0.130
	FB-03-15.0-082318	Interior	Confirmation	Removed	15.0	10.8	8/23/2018	< 32	< 65	< 97	---	---	< 6.5	< 0.020	< 0.065	< 0.065	< 0.130
	FB-03-25.0-082318	Interior	Confirmation	Removed	25.0	0.8	8/23/2018	< 29	< 59	< 88	---	---	< 5.5	< 0.020	< 0.055	< 0.055	< 0.110
FB-04	FB-04-5.0-082118	Interior	Confirmation	Removed	5.0	17.0	8/21/2018	97 N	540	637	---	---	< 16	< 0.033	< 0.16	< 0.16	< 0.32
	FB-04-20.0-082118	Interior	Confirmation	Removed	20.0	2.0	8/21/2018	< 29	< 58	< 87	---	---	< 5.3	< 0.020	< 0.053	< 0.053	< 0.106
	FB-04-30.0-082118	Interior	Confirmation	In Place	30.0	-8.0	8/21/2018	< 30	< 59	< 89	---	---	< 5.5	< 0.020	< 0.055	< 0.055	< 0.110
FB-05	FB-05-5.0-082218	Interior	Confirmation	Removed	5.0	20.5	8/22/2018	< 31	< 61	< 92	---	---	< 5.4	< 0.020	< 0.054	< 0.054	< 0.108
	FB-05-20.0-082218	Interior	Confirmation	Removed	20.0	5.5	8/22/2018	< 31	< 61	< 92	---	---	< 5.5	< 0.020	< 0.055	< 0.055	< 0.110
	FB-05-35.0-082218	Interior	Confirmation	In Place	35.0	-9.5	8/22/2018	< 31	< 62	< 93	---	---	< 5.8	< 0.020	< 0.058	< 0.058	< 0.116
FB-06	FB-06-2.5-082218	Interior	Confirmation	Removed	2.5	22.9	8/22/2018	180	310	490	---	---	17 T	< 0.024	< 0.12	< 0.12	< 0.24
	FB-06-20.0-082218	Interior	Confirmation	Removed	20.0	5.4	8/22/2018	< 30	< 61	< 91	---	---	< 5.3	< 0.020	< 0.053	< 0.053	< 0.106
FB-07	FB-07-24	Interior	Confirmation	Removed	24.0	-0.5	12/21/2019	< 30	< 60	< 90	---	---	< 6.0	< 0.020	< 0.060	< 0.060	< 0.12
	FB-07-29	Interior	Confirmation	Removed	29.0	-5.5	12/21/2019	< 30	< 60	< 90	---	---	< 5.4	< 0.020	< 0.054	< 0.054	< 0.108
	FB-07-31.5	Interior	Confirmation	In Place	31.5	-8.0	12/21/2019	< 30	< 60	< 90	---	---	< 5.6	< 0.020	< 0.056	< 0.056	< 0.112
FB-08	FB-08-2.5	Interior	Performance	Removed	2.5	21.2	12/21/2019	1,700 N	**4,500**	**6,200**	---	---	23 O	**0.12**	0.49	0.13	0.94
	FB-08-8	Interior	Confirmation	Removed	8.0	15.7	12/21/2019	< 29	< 58	< 87	---	---	< 5.2	< 0.020	< 0.052	< 0.052	< 0.104
	FB-08-13	Interior	Confirmation	Removed	13.0	10.7	12/21/2019	< 31	< 61	< 92	---	---	15 T	< 0.020	< 0.064	< 0.064	< 0.128
	FB-08-18	Interior	Confirmation	Removed	18.0	5.7	12/21/2019	< 29	< 58	< 87	---	---	< 6.1	< 0.020	< 0.061	< 0.061	< 0.122
	FB-08-30.5	Interior	Confirmation	In Place	30.5	-6.9	12/21/2019	< 31	< 61	< 92	---	---	< 6.0	< 0.020	< 0.060	< 0.060	< 0.12
FB-09	FB-09-11	Interior	Confirmation	Removed	11.0	12.7	12/21/2019	< 58	220	220	---	---	< 20	< 0.039	< 0.20	< 0.20	< 0.4
	FB-09-33	Interior	Confirmation	In Place	33.0	-9.4	12/21/2019	< 31	< 62	< 93	---	---	< 5.8	< 0.020	< 0.058	< 0.058	< 0.116
FMW-130	F-MW-130-20.0-072114	Interior	Confirmation	Removed	20.0	2.2	7/21/2014	< 30	< 60	< 90	---	---	< 8.8	< 0.020	< 0.088	< 0.088	< 0.176
FMW-132	FMW-132-5.0-082418	Interior	Performance	Removed	5.0	20.7	8/24/2018	730	**2,600**	**3,330**	---	---	< 8.4	< 0.020	< 0.084	< 0.084	< 0.168
FMW-133	FMW-133-10.0-082418	Interior	Confirmation	Removed	10.0	15.3	8/24/2018	< 83	470	470	---	---	< 28	< 0.057	< 0.28	< 0.28	< 0.56
FMW-134	FMW-134-5.0-082318	Interior	Performance	Removed	5.0	20.4	8/23/2018	260	1,900	**2,160**	---	---	< 30	< 0.059	< 0.30	< 0.30	< 0.60
	FMW-134-15.0-082318	Interior	Confirmation	Removed	15.0	10.4	8/23/2018	< 31	< 61	< 92	---	---	< 12	< 0.023	< 0.12	< 0.12	< 0.24
FMW-135	FMW-135-15.0-082418	Interior	Confirmation	Removed	15.0	10.6	8/24/2018	130	680	810	---	---	< 28	< 0.055	< 0.28	< 0.28	< 0.56
	FMW-135-35.0-082418	Interior	Confirmation	In Place	35.0	-9.4	8/24/2018	< 31	< 62	< 93	---	---	< 5.8	< 0.020	< 0.058	< 0.058	< 0.116
FMW-136	FMW-136-10.0-082218	Interior	Confirmation	Removed	10.0	15.1	8/22/2018	< 38	< 76	< 114	---	---	< 9.0	< 0.020	< 0.090	< 0.090	< 0.18
	FMW-136-20.0-082218	Interior	Confirmation	Removed	20.0	5.1	8/22/2018	< 32	< 63	< 95	---	---	< 6.4	< 0.020	< 0.064	< 0.064	< 0.128
	FMW-136-30.0-082218	Interior	Confirmation	Removed	30.0	-4.9	8/22/2018	< 30	< 59	< 89	---	---	< 5.2	< 0.020	< 0.052	< 0.052	< 0.104
FMW-144	FWM-144-9.0	Interior	Confirmation	Removed	9.0	20.4	12/20/2019	< 52	110	110	---	---	< 18	< 0.036	< 0.18	< 0.18	< 0.36
FMW-145	FMW-145-13.0	Interior	Performance	Removed	13.0	9.9	12/20/2019	650	1,400	**2,050**	---	---	**83** O	< 0.020	< 0.075	< 0.075	< 0.15
	FMW-145-18.0	Interior	Confirmation	Removed	18.0	4.9	12/20/2019	58 N	210	268	---	---	< 28 U1	< 0.020	< 0.080	< 0.080	< 0.16
	FMW-145-23.0	Interior	Confirmation	Removed	23.0	-0.1	12/20/2019	< 30	< 60	< 90	---	---	< 5.3	< 0.020	< 0.053	< 0.053	< 0.106
	FMW-145-28.0	Interior	Confirmation	Removed	28.0	-5.1	12/20/2019	< 31	< 61	< 92	---	---	< 6.5	< 0.020	< 0.065	< 0.065	< 0.13
	FMW-145-30.5	Interior	Confirmation	In Place	30.5	-7.6	12/20/2019	< 29	< 57	< 86	---	---	< 4.8	< 0.020	< 0.048	< 0.048	< 0.096
	FMW-145-33.0	Interior	Confirmation	In Place	33.0	-10.1	12/20/2019	< 31	< 61	< 92	---	---	< 5.5	< 0.020	< 0.055	< 0.055	< 0.11
Screening Levels[6]								**2,000**	**2,000**	**2,000**	**2,000**		**30/100[7]**	**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	General Location	Sample Type	Sample Location Disposition	Sample Depth (feet)[1]	Sample Elevation (feet NAVD88)[1]	Sample Date	Analytical Results (milligrams per kilogram)									
								NWTPH-Dx[2]		Total NWTPH-Dx[3]	NWTPH-Dx with Silica Gel[2]		NWTPH-Gx[4]	EPA Method 8021B/8260[5]			
								DRO	ORO		DRO	ORO	GRO	Benzene	Toluene	Ethylbenzene	Xylenes
FMW-146	FMW-146-13.0	Interior	Confirmation	Removed	13.0	10.2	12/21/2019	< 34	< 69	< 103	---	---	< 7.0	< 0.020	< 0.070	< 0.070	< 0.14
	FMW-146-18.0	Interior	Confirmation	Removed	18.0	5.2	12/21/2019	< 31	< 62	< 93	---	---	< 5.4	< 0.020	< 0.054	< 0.054	< 0.108
FMW-147	FMW-147-8.5	Interior	Confirmation	Removed	8.5	14.3	12/21/2019	< 120	1,100	1,100	---	---	< 51	< 0.10	< 0.51	< 0.51	< 1.02
	FMW-147-13.5	Interior	Confirmation	Removed	13.5	9.3	12/21/2019	< 31	< 61	< 92	---	---	< 5.5	< 0.020	< 0.055	< 0.055	< 0.11
	FMW-147-23.5	Interior	Confirmation	Removed	23.5	-0.7	12/21/2019	< 30	< 61	< 91	---	---	< 5.1	< 0.020	< 0.051	< 0.051	< 0.102
	FMW-147-30.5	Interior	Confirmation	In Place	30.5	-7.7	12/21/2019	< 30	< 61	< 91	---	---	< 6.4	< 0.020	< 0.064	< 0.064	< 0.128
FMW-148	FMW-148-27.0	Interior	Confirmation	Removed	27.0	10.4	12/22/2019	< 31	< 63	< 94	---	---	< 5.7	< 0.020	< 0.057	< 0.057	< 0.114
FMW-149	FMW-149-21.0	Interior	Confirmation	Removed	21.0	15.2	12/22/2019	< 33	< 66	< 99	---	---	< 7.0	< 0.020	< 0.070	< 0.070	< 0.14
	FMW-149-31.0	Interior	Confirmation	Removed	31.0	5.2	12/22/2019	< 31	< 63	< 94	---	---	< 6.3	< 0.020	< 0.063	< 0.063	< 0.126
	FMW-149-41.0	Interior	Confirmation	Removed	41.0	-4.8	12/22/2019	< 26	< 53	< 79	---	---	< 4.4	< 0.020	< 0.044	< 0.044	< 0.088
	FMW-149-43.5	Interior	Confirmation	In Place	43.5	-7.3	12/22/2019	< 28	< 56	< 84	---	---	< 4.3	< 0.020	< 0.043	< 0.043	< 0.086
A2-B	A2-B-(-5.0)	Interior	Confirmation	Removed	---	-5.0	4/29/2020	< 27	< 53	< 80	---	---	---	---	---	---	---
A2/A3-B	A2/A3-B-(-6.75)	Interior	Confirmation	In Place	---	-6.75	6/3/2020	< 30	< 59	< 89	---	---	< 5.7	< 0.020	< 0.057	< 0.057	< 0.114
A3-Subslab	A3-SUBSLAB-22-010920	Interior	Performance	Removed	---	22.0	1/9/2020	< 76	< 150	< 226	---	---	---	---	---	---	---
	A3-SUBSLAB-25-010920	Interior	Performance	Removed	---	25.0	1/9/2020	82	660	742	---	---	---	---	---	---	---
B/C-B	B/C-B-(-6.75)	Interior	Confirmation	In Place	---	-6.75	6/3/2020	< 29	< 57	< 86	---	---	< 6.1	< 0.020	< 0.061	< 0.061	< 0.122
C/D-B	C/D-B-(-6.75)	Interior	Confirmation	In Place	---	-6.75	6/3/2020	< 28	< 56	< 84	---	---	< 5.6	< 0.020	< 0.056	< 0.056	< 0.112
H3-B	H3-B-20	Interior	Confirmation	Removed	---	20.0	2/20/2020	---	---	---	---	---	< 6.7	---	---	---	---
	H3-B-15.0	Interior	Confirmation	Removed	---	15.0	2/24/2020	< 67	250	250	---	---	< 21	---	---	---	---
H4-22.7	H4-1.0-121319	Interior	Performance	Removed	1.0	22.7	12/13/2019	600 N	**5,000**	**5,600**	---	---	**31**	< 0.022	< 0.11	< 0.11	< 0.22
H4-B	H4-B-20.0	Interior	Confirmation	Removed	---	20.0	2/19/2020	140 N	970	1,110	---	---	< 51	---	---	---	---
	H4-B-15.0	Interior	Confirmation	Removed	---	15.0	2/19/2020	< 90	500	500	---	---	< 31	---	---	---	---
H4-ESW	H4-ESW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/4/2020	730 N	**2,900**	**3,630**	---	---	< 11 H	---	---	---	---
	H4-ESW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/26/2020	< 55	< 110	< 165	---	---	< 17	---	---	---	---
H4-ESW2	H4-ESW2-20.0	Sidewall	Confirmation	In Place	---	20.0	2/4/2020	99 N	180	279	---	---	< 5.5 H	---	---	---	---
H4-SSW	H4-SSW-15.0	Interior	Confirmation	Removed	---	15.0	2/27/2020	< 65	170	170	---	---	< 21	---	---	---	---
I2-B	I2-B-10.0	Interior	Confirmation	Removed	---	10.0	2/28/2020	< 28	< 55	< 83	---	---	---	---	---	---	---
I3-B	I3-B-20.0	Interior	Performance	Removed	---	20.0	2/23/2020	< 680	**6,200**	**6,200**	---	---	< 15 H	< 0.030 H	< 0.15 H	< 0.15 H	< 0.30 H
	I3-B-15.0	Interior	Confirmation	Removed	---	15.0	2/23/2020	< 76	690	690	---	---	< 26 H	---	---	---	---
	I3-B-DUP-15.0	Interior	Confirmation	Removed	---	15.0	2/24/2020	---	---	---	---	---	23 T	---	---	---	---
I4-ESW	I4-ESW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/4/2020	500 N	1,800	**2,300**	---	---	---	---	---	---	---
	I4-ESW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/22/2020	< 76	160	160	---	---	---	---	---	---	---
I/J-B	I/J-B-(-6.75)	Interior	Confirmation	In Place	---	-6.75	6/3/2020	< 26	< 53	< 79	---	---	< 5.0	< 0.020	< 0.050	< 0.050	< 0.100
J2-B	J2-B-20.0	Interior	Confirmation	Removed	---	20.0	2/14/2020	< 29	< 58	< 87	---	---	---	< 0.00076	< 0.0038	< 0.00076	< 0.00226
J4-ESW	J4-ESW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/4/2020	1,800 N	**4,600**	**6,400**	---	---	---	---	---	---	---
	J4-ESW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/22/2020	< 77	< 160	< 237	---	---	---	---	---	---	---
J/K-B	J/K-B-(-6.75)	Interior	Confirmation	In Place		-6.75	6/2/2020	< 28	< 55	< 83			< 4.9	< 0.020	< 0.049	< 0.049	< 0.098
K1-WSW	K1-WSW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/4/2020	58 N	270	328	---	---	---	---	---	---	---
K2-B	K2-B-20.0	Interior	Confirmation	Removed	---	20.0	2/6/2020	< 56	280	280	---	---	---	< 0.037	< 0.19	< 0.19	< 0.38
K3-B	K3-B-20.0	Interior	Performance	Removed	---	20.0	2/13/2020	**2,500** N	**9,700**	**12,200**	---	---	---	---	---	---	---
	K3-B-15.0	Interior	Confirmation	Removed	---	15.0	2/24/2020	68 N	830	898	---	---	---	---	---	---	---
	K3-B-10.0	Interior	Confirmation	Removed	---	10.0	2/28/2020	< 32	< 64	< 96	---	---	---	---	---	---	---
K4-B	K4-B-15.0	Interior	Confirmation	Removed	---	15.0	2/26/2020	< 33	< 67	< 100	---	---	---	---	---	---	---
	K4-B-10.0	Interior	Confirmation	Removed	---	10.0	2/26/2020	110	290	400	---	---	---	---	---	---	---
K4-ESW	K4-ESW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/4/2020	290 N	960	1,250	---	---	---	---	---	---	---
	K4-ESW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/22/2020	< 120	710	710	---	---	---	---	---	---	---
Screening Levels[6]								**2,000**	**2,000**	**2,000**	**2,000**		**30/100[7]**	**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	General Location	Sample Type	Sample Location Disposition	Sample Depth (feet)[1]	Sample Elevation (feet NAVD88)[1]	Sample Date	Analytical Results (milligrams per kilogram)								
								NWTPH-Dx[2]		Total NWTPH-Dx[3]	NWTPH-Dx with Silica Gel[2]		NWTPH-Gx[4]	EPA Method 8021B/8260[5]			
								DRO	ORO		DRO	ORO	GRO	Benzene	Toluene	Ethylbenzene	Xylenes
L1-B	L1-B-15.0	Interior	Confirmation	Removed	---	15.0	2/24/2020	< 170	560	560	---	---	---	---	---	---	---
L1-WSW	L1-WSW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/3/2020	< 31	180	180	---	---	---	---	---	---	---
	L1-WSW-17.0	Sidewall	Confirmation	In Place	---	17.0	2/10/2020	250 N	1,200	1,450	---	---	---	---	---	---	---
	L1-WSW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/24/2020	< 83	510	510	---	---	---	---	---	---	---
L1-WSW2	L1-WSW2-17.0	Sidewall	Confirmation	In Place	---	17.0	2/10/2020	86 N	740	826	---	---	---	---	---	---	---
L2-B	L2-B-10.0	Interior	Confirmation	Removed	---	10.0	2/28/2020	< 33	< 67	< 100	---	---	---	---	---	---	---
L3-B	L3-B-15.0	Interior	Confirmation	Removed	---	15.0	2/24/2020	< 140	1,300	1,300	---	---	---	---	---	---	---
L4-ESW	L4-ESW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/22/2020	< 130	940	940	---	---	---	---	---	---	---
M1-B	M1-B-15.0	Interior	Confirmation	Removed	---	15.0	2/24/2020	< 160	470	470	---	---	---	---	---	---	---
	M1-B-10	Interior	Confirmation	Removed	---	10.0	2/25/2020	< 31	< 62	< 93	---	---	---	---	---	---	---
M1-WSW	M1-WSW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/3/2020	200	220	420	---	---	---	---	---	---	---
	M1-WSW-17.0	Sidewall	Confirmation	In Place	---	17.0	2/10/2020	< 29	250	250	---	---	---	---	---	---	---
	M1-WSW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/24/2020	160 N	**2,100**	**2,260**	---	---	---	---	---	---	---
	M1-WSW-10	Sidewall	Confirmation	In Place	---	10.0	2/25/2020	< 36	< 72	< 108	---	---	---	---	---	---	---
M1-WSW2	M1-WSW2-20.0	Sidewall	Confirmation	In Place	---	20.0	2/3/2020	< 30	< 61	< 91	---	---	---	---	---	---	---
M3-B	M3-B-(-6.75)	Interior	Confirmation	In Place	---	-6.75	5/28/2020	< 29	< 58	< 87	---	---	< 5.2	< 0.020	< 0.052	< 0.052	< 0.104
M4-B	M4-B-12.0	Interior	Confirmation	Removed	---	12.0	2/22/2020	< 76	400	400	---	---	---	---	---	---	---
M4-ESW	M4-ESW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/6/2020	< 30	< 61	< 91	---	---	---	---	---	---	---
N1-B	N1-B-15.0	Interior	Confirmation	Removed	---	15.0	2/22/2020	< 110	1,900	1,900	---	---	---	---	---	---	---
N1-NSW	N1-NSW-22.0	Sidewall	Confirmation	In Place	---	22.0	1/31/2020	< 30	< 61	< 91	---	---	---	---	---	---	---
	N1-NSW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/24/2020	< 150	580	580	---	---	---	---	---	---	---
N1-ESW	N1-ESW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/22/2020	< 150	1,000	1,000	---	---	---	---	---	---	---
N1-WSW	N1-WSW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/3/2020	280 N	1,400	1,680	---	---	---	---	---	---	---
	N1-WSW-17.0	Sidewall	Confirmation	In Place	---	17.0	2/10/2020	**4,800** N	**19,000**	**23,800**	---	---	---	---	---	---	---
	N1-WSW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/24/2020	< 79	630	630	---	---	---	---	---	---	---
N1-WSW3	N1-WSW3-170	Sidewall	Confirmation	In Place	---	17.0	2/21/2020	< 36	77	77	---	---	---	---	---	---	---
N2-B	N2-B-20.0	Interior	Confirmation	Removed	---	20.0	2/6/2020	< 31	< 61	< 92	---	---	---	---	---	---	---
	N2-B-15.0	Interior	Confirmation	Removed	---	15.0	2/23/2020	---	---	---	---	---	< 22 H	---	---	---	---
	N2-B-DUP-15.0	Interior	Confirmation	Removed	---	15.0	2/24/2020	---	---	---	---	---	< 64	---	---	---	---
	N2-B-10.0	Interior	Confirmation	Removed	---	10.0	2/23/2020	< 31	< 62	< 93	---	---	< 12 H	---	---	---	---
	N2-B-DUP-10.0	Interior	Confirmation	Removed	---	10.0	2/24/2020	---	---	---	---	---	< 6.4	---	---	---	---
N2-NSW	N2-NSW-22.0	Sidewall	Confirmation	In Place	---	22.0	1/31/2020	< 29	83	83	---	---	---	---	---	---	---
	N2-NSW-15.0	Sidewall	Confirmation	In Place	---	15.0	2/24/2020	---	---	---	---	---	< 32	---	---	---	---
N2-ESW	N2-ESW-10	Interior	Confirmation	Removed	---	10.0	2/25/2020	---	---	---	---	---	< 6.5	---	---	---	---
N2-SSW	N2-SSW-10	Interior	Confirmation	Removed	---	10.0	2/25/2020	---	---	---	---	---	< 6.9	---	---	---	---
N3-NSW	N3-NSW-20.0-121019	Sidewall	Confirmation	In Place	---	20.0	12/10/2019	< 30 H	< 61 H	< 91	---	---	< 5.7 H	< 0.020 H	< 0.057 H	< 0.057 H	< 0.114 H
	N3-NSW-22.0	Sidewall	Confirmation	In Place	---	22.0	1/31/2020	< 30	< 59	< 89	---	---	---	---	---	---	---
N3-NSW2	N3-NSW2-22.0	Sidewall	Confirmation	In Place	---	22.0	1/31/2020	< 30	< 60	< 90	---	---	---	---	---	---	---
N4-NSW	N4-NSW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/6/2020	< 30	< 60	< 90	---	---	---	---	---	---	---
N4-ESW	N4-ESW-20.0	Sidewall	Confirmation	In Place	---	20.0	2/6/2020	< 29	< 58	< 87	---	---	---	---	---	---	---
TP-2	TP-2-20.0-121919	Interior	Confirmation	Removed	5.0	20.0	12/19/2019	< 27	210	210	---	---	< 4.2	< 0.020	< 0.042	< 0.042	< 0.084
	TP-2-15.0-121919	Interior	Confirmation	Removed	10.0	15.0	12/19/2019	**6,600**	**9,000**	**15,600**	---	---	< 420	< 0.026	< 0.13	< 0.13	< 0.26
	TP-2-10.0	Interior	Confirmation	Removed	---	10.0	2/13/2020	< 33	< 66	< 99	---	---	< 6.8	---	---	---	---
	TP-2-5.0	Interior	Confirmation	Removed	---	5.0	2/13/2020	< 28	< 57	< 85	---	---	< 4.9	---	---	---	---
TP-3	TP-3-20.0-121919	Interior	Confirmation	Removed	5.0	20.0	12/19/2019	< 29	< 59	< 88	---	---	< 5.2	< 0.020	< 0.052	< 0.052	< 0.104
	TP-3-15.0-121919	Interior	Confirmation	Removed	10.0	15.0	12/19/2019	< 160	1,700	1,700	---	---	< 59	< 0.12	< 0.59	< 0.59	< 1.18
TP-7	TP-7-4.0	Interior	Confirmation	Removed	4.0	19.5	12/23/2019	< 74	230	230	---	---	< 25	< 0.0044	< 0.022	< 0.0044	< 0.0132
Screening Levels[6]								**2,000**	**2,000**	**2,000**	**2,000**		**30/100[7]**	**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	General Location	Sample Type	Sample Location Disposition	Sample Depth (feet)[1]	Sample Elevation (feet NAVD88)[1]	Sample Date	Analytical Results (milligrams per kilogram)								
								NWTPH-Dx[2]		Total NWTPH-Dx[3]	NWTPH-Dx with Silica Gel[2]		NWTPH-Gx[4]	EPA Method 8021B/8260[5]			
								DRO	ORO		DRO	ORO	GRO	Benzene	Toluene	Ethylbenzene	Xylenes
TP-10	TP-10-15.0	Interior	Confirmation	Removed	---	15.0	2/4/2020	< 130	370	370	---	---	---	---	---	---	---
TP-11	TP-11-20.0	Interior	Confirmation	Removed	---	20.0	2/4/2020	< 30	190	190	---	---	---	---	---	---	---
	TP-11-15.0	Interior	Confirmation	Removed	---	15.0	2/4/2020	230	680	910	---	---	---	---	---	---	---
	TP-11-10.0	Interior	Confirmation	Removed	---	10.0	2/4/2020	< 36	< 71	< 107	---	---	---	---	---	---	---
TP-13	TP-13-20.0	Interior	Confirmation	Removed	---	20.0	2/7/2020	< 28	< 57	< 85	---	---	---	---	---	---	---
	TP-13-15.0	Interior	Confirmation	Removed	---	15.0	2/7/2020	< 35	< 70	< 105	---	---	---	---	---	---	---
TP-14	TP-14-20.0	Interior	Confirmation	Removed	---	20.0	2/14/2020	< 95	410	410	---	---	---	---	---	---	---
	TP-14-15.0	Interior	Confirmation	Removed	---	15.0	2/14/2020	120 N	640	760	---	---	---	---	---	---	---
	TP-14-10.0	Interior	Confirmation	Removed	---	10.0	2/14/2020	< 33	< 67	< 100	---	---	---	---	---	---	---
TP-15	TP-15-20.0	Interior	Confirmation	Removed	---	20.0	2/14/2020	< 97	700	700	---	---	---	---	---	---	---
	TP-15-15.0	Interior	Confirmation	Removed	---	15.0	2/14/2020	95 N	490	585	---	---	---	---	---	---	---
	TP-15-10.0	Interior	Confirmation	Removed	---	10.0	2/14/2020	< 32	< 65	< 97	---	---	---	---	---	---	---
TP-16	TP-16-20.0	Interior	Confirmation	Removed	---	20.0	2/14/2020	< 65	250	250	---	---	---	---	---	---	---
	TP-16-15.0	Interior	Confirmation	Removed	---	15.0	2/14/2020	88 N	400	488	---	---	---	---	---	---	---
	TP-16-10.0	Interior	Confirmation	Removed	---	10.0	2/14/2020	< 32	< 64	< 96	---	---	---	---	---	---	---
TP-17	TP-17-20.0	Interior	Confirmation	Removed	---	20.0	2/18/2020	300 N	1,700	2,000	---	---	---	---	---	---	---
	TP-17-15	Interior	Confirmation	Removed	---	15.0	2/25/2020	< 59	< 120	< 179	---	---	---	---	---	---	---
	TP-17-10	Interior	Confirmation	Removed	---	10.0	2/25/2020	< 29	< 58	< 87	---	---	---	---	---	---	---
TP-18	TP-18-10.0	Interior	Confirmation	Removed	---	10.0	2/19/2020	< 28	< 56	< 84	---	---	---	---	---	---	---
Underground Storage Tank Investigation and Decommissioning																	
M1-Product	M1-24.5-PRODUCT	Interior	Performance	Removed	---	24.5	1/17/2020	DETECTED[8]	DETECTED[8]	---	---	---	< 9,200[8]	---	---	---	---
M1-Prod-Soil	M1-24.5	Interior	Performance	Removed	---	24.5	1/17/2020	**8,600**	**15,000**	**23,600**	---	---	---	---	---	---	---
M1-Tank	M1-TANK-24.5	Interior	Performance	Removed	---	24.5	1/21/2020	850 N	**2,500**	**3,350**	---	---	< 59	< 0.00082	< 0.0041	0.00099	0.0116
UST01-B	UST01-B-17	Interior	Confirmation	Removed	---	17.0	1/27/2020	37	100	137	---	---	< 5.5	< 0.00092	< 0.0046	< 0.00092	< 0.00272
UST01-N1	UST01-N1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	< 30	< 60	< 90	---	---	---	< 0.00094	< 0.0047	< 0.00094	< 0.00284
UST01-E1	UST01-E1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	< 29	< 58	< 87	---	---	---	< 0.00083	< 0.0042	< 0.00083	< 0.00253
UST01-S1	UST01-S1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	< 28	< 55	< 83	---	---	---	< 0.00084	< 0.0042	< 0.00084	< 0.00254
UST01-W1	UST01-W1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	< 30	< 61	< 91	---	---	---	< 0.00098	< 0.0049	< 0.00098	< 0.00298
UST-01-line	UST-01-LINE-21.0	Sidewall	Performance	Removed	---	21.0	1/31/2020	**3,400**	**3,100** N1	**6,500**	---	---	---	---	---	---	---
UST-02-Product	UST-02-PRODUCT	Interior	Performance	Removed	---	18.0	2/5/2020	DETECTED[8]	DETECTED[8]	---	---	---	< 41,000[8]	---	---	---	---
UST02-N	UST-02-N	Interior	Performance	Removed	---	18.0	2/5/2020	630	1,300	1,930	---	---	< 59	< 0.00091	< 0.0045	< 0.00091	< 0.00271
UST02-E	UST-02-E	Interior	Performance	Removed	---	18.0	2/5/2020	370	850	1,220	---	---	**79** O	0.0033	0.018	0.0075	0.048
UST02-B1	UST02-B1	Interior	Performance	Removed	---	15.0	2/7/2020	140 N	820	960	---	---	---	---	---	---	---
UST02-B2	UST02-B2	Interior	Confirmation	Removed	---	14.0	2/7/2020	160 N	1,800	1,960	---	---	---	---	---	---	---
UST02-N1	UST02-N1	Interior	Confirmation	Removed	---	17.5	2/7/2020	160 N	440	600	---	---	---	---	---	---	---
UST02-E1	UST02-E1	Interior	Confirmation	Removed	---	17.5	2/7/2020	39 N	230	269	---	---	---	---	---	---	---
UST02-S	UST02-S	Interior	Confirmation	Removed	---	17.5	2/7/2020	< 50	200	200	---	---	---	---	---	---	---
UST02-W1	UST02-W1	Interior	Confirmation	Removed	---	17.5	2/7/2020	64 N	310	374	---	---	---	---	---	---	---
Screening Levels[6]								**2,000**	**2,000**	**2,000**	**2,000**		**30/100[7]**	**0.03**	**7**	**6**	**9**

NOTES:
Results in **bold** and highlighted yellow denote concentrations exceeding applicable cleanup 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, unless otherwise noted. 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]Total is the sum of the DRO and ORO results.

[4]Analyzed by Northwest Method NWTPH-Gx, unless otherwise noted.

[5]Analyzed by U.S. Environmental Protection Agency Method 8021B, 8260C, or 8260D.

[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.
[7]Cleanup level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

[8]Analyzed by Northwest Method NWTPH-HCID (hydrocarbon identification).

BTEX = benzene, toluene, ethylbenzene, and xylenes
DRO = total petroleum hydrocarbons (TPH) as diesel-range organics
GRO = TPH as gasoline-range organics
H = sample analyzed outside of holding time
N = hydrocarbons in the oil-range are impacting the diesel-range result
N1 = hydrocarbons in the diesel-range are impacting the oil-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

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

Sample Location	Sample Identification	General Location	Sample Type	Sample Location Disposition	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-cd)Pyrene	Total cPAHs TEC[4,5]
Block 38 West Property																												
FB-01	FB-01-5.0-082118	Interior	Performance	Removed	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	Interior	Confirmation	Removed	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	Interior	Performance	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	In Place	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	Interior	Performance	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Performance	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	In Place	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	Interior	Performance	Removed	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	Interior	Performance	Removed	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	Interior	Performance	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	In Place	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	Interior	Confirmation	Removed	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	Interior	Confirmation	In Place	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	Interior	Confirmation	Removed	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	Interior	Performance	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	< 0.0060
FMW-134	FMW-134-15.0-082318	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Performance	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	In Place	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	Interior	Confirmation	In Place	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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
FMW-147	FMW-147-8.5	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	In Place	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	In Place	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
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	General Location	Sample Type	Sample Location Disposition	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-cd)Pyrene	Total cPAHs TEC[4,5]
A2/A3-B	A2/A3-B-(-6.75)	Interior	Confirmation	In Place	Soil	---	-6.75	6/3/2020	< 0.0079	< 0.0079	< 0.0079	< 0.0237	---	---	---	---	---	---	---	---	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0060
B2-B	B2-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.011
B3-B	B3-B-15	Interior	Confirmation	Removed	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0072
B/C-B	B/C-B-(-6.75)	Interior	Confirmation	In Place	Soil	---	-6.75	6/3/2020	0.018	< 0.0077	< 0.0077	0.018	---	---	---	---	---	---	---	---	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0058
C2-B	C2-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.016
C3-B-20	C3-B-20	Interior	Performance	Removed	Soil	---	20.0	2/20/2020	0.46	0.12	0.16	0.74	---	---	---	---	---	---	---	---	0.25	0.32	0.29	0.090	0.27	0.029	0.14	**0.34**
C3-B	C3-B-15	Interior	Confirmation	Removed	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.059	0.11	0.075	0.021	0.087	< 0.014	0.028	0.08
C4-ESW	C4-ESW-19.0	Sidewall	Confirmation	In Place	Soil	---	19.0	2/28/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.016
	C4-ESW-15	Sidewall	Confirmation	In Place	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.016
C/D-B	C/D-B-(-6.75)	Interior	Confirmation	In Place	Soil	---	-6.75	6/3/2020	0.021	< 0.0075	< 0.0075	0.021	---	---	---	---	---	---	---	---	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0057
D2-B	D2-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.014
D3-B	D3-B-15	Interior	Confirmation	Removed	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.015
D4-ESW	D4-ESW-19.0	Sidewall	Confirmation	In Place	Soil	---	19.0	2/28/2020	0.30	0.17	0.22	0.69	---	---	---	---	---	---	---	---	< 0.022	0.032	< 0.022	< 0.022	0.028	< 0.022	< 0.022	0.019
	D4-ESW-15	Sidewall	Confirmation	In Place	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.019
E4-ESW	E4-ESW-15.0	Sidewall	Confirmation	In Place	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.015
F1-B	F1-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/29/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0090	< 0.0090	< 0.0090	< 0.0090	< 0.0090	< 0.0090	< 0.0090	< 0.0068
F2-B	F2-B-15.0	Interior	Performance	Removed	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.73	0.54	0.63	0.25	0.48	0.081	0.51	**0.94**
	F2-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/29/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0061
F4-ESW	F4-ESW-15.0	Sidewall	Confirmation	In Place	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.021	0.020	0.020	< 0.015	0.020	< 0.015	< 0.015	0.027
G1-B	G1-B-0.0	Interior	Confirmation	Removed	Soil	---	0.0	5/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0057
G2-B	G2-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.060	0.092	0.061	0.023	0.074	< 0.016	0.030	0.082
G3-B	G3-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/26/2020	< 0.038	< 0.038	< 0.038	< 0.114	---	---	---	---	---	---	---	---	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.029
	G3-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/28/2020	0.058	0.051	0.13	0.239	---	---	---	---	---	---	---	---	< 0.0073	< 0.0073	< 0.0073	< 0.0073	< 0.0073	< 0.0073	< 0.0073	< 0.0055
G4-ESW	G4-ESW-15.0	Sidewall	Confirmation	In Place	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.011
H1-B	H1-B-20.0	Interior	Performance	Removed	Soil	---	20.0	2/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.010
	H1-B-15.0	Interior	Performance	Removed	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	2.3	3.0	2.3	0.78	2.5	0.22	1.2	**3.1**
	H1-B-5.0	Interior	Confirmation	Removed	Soil	---	5.0	5/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0079	0.019	< 0.0079	< 0.0079	0.022	< 0.0079	< 0.0079	0.008
H1-ESW	H1-ESW-20.0	Interior	Confirmation	Removed	Soil	---	20.0	2/22/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.014
	H1-ESW-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
H1-SSW	H1-SSW-20.0	Interior	Performance	Removed	Soil	---	20.0	2/22/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.13	0.080	0.13	0.052	0.074	0.015	0.11	**0.17**
	H1-SSW-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.011	0.054	0.020	< 0.0091	0.042	< 0.0091	< 0.0091	0.020
H1-WSW	H1-WSW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.020	0.017	0.018	< 0.0086	0.016	< 0.0086	0.011	0.026
H3-B	H3-B-20	Interior	Performance	Removed	Soil	---	20.0	2/20/2020	< 0.0079	< 0.0079	< 0.0079	< 0.0237	---	---	---	---	---	---	---	---	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0060
	H3-B-15.0	Interior	Performance	Removed	Soil	---	15.0	2/24/2020	0.29	0.22	0.34	0.85	---	---	---	---	---	---	---	---	0.11	0.15	0.11	0.036	0.13	< 0.018	0.056	**0.15**
	H3-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/28/2020	< 0.0077	< 0.0077	< 0.0077	< 0.0231	---	---	---	---	---	---	---	---	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0058
H4-B	H4-B-20.0	Interior	Performance	Removed	Soil	---	20.0	2/19/2020	0.26	0.041	0.070	0.371	---	---	---	---	---	---	---	---	1.1	1.3	1.1	0.46	1.1	0.11	0.60	**1.5**
	H4-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/19/2020	< 0.024	< 0.024	< 0.024	< 0.072	---	---	---	---	---	---	---	---	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.018
H4-ESW	H4-ESW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	1.9	2.0	2.2	0.54	2.2	0.22	1.2	**2.5**
	H4-ESW-15.0	Sidewall	Confirmation	In Place	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.011
H4-ESW2	H4-ESW2-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	1.9	1.9	1.9	0.58	2.0	0.16	1.1	**2.5**
H4-SSW	H4-SSW-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/27/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.013
I2-B	I2-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/28/2020	< 0.0074	< 0.0074	< 0.0074	< 0.0222	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
I3-B	I3-B-20.0	Interior	Performance	Removed	Soil	---	20.0	2/23/2020	7.8	1.9	3.8	**13.5**	---	---	---	---	---	---	---	---	8.3	8.9	8.1	2.4	8.3	0.84	4.4	**10.8**
	I3-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/23/2020	0.024	< 0.020	< 0.020	0.024	---	---	---	---	---	---	---	---	0.021	0.022	0.023	< 0.020	0.027	< 0.020	< 0.020	0.029
	I3-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/22/2020	< 0.0083	< 0.0083	< 0.0083	< 0.0249	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
I4-ESW	I4-ESW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	27	27	28	8.3	28	2.6	16	**35.5**
	I4-ESW-15.0	Sidewall	Confirmation	In Place	Soil	---	15.0	2/22/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.015
I/J-B	I/J-B-(-6.75)	Interior	Confirmation	In Place	Soil	---	-6.75	6/3/2020	< 0.0070	< 0.0070	< 0.0070	< 0.0210	---	---	---	---	---	---	---	---	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0053
Screening Levels[6]												**5**	**4,800[7]**	**NE**	**24,000[7]**	**NA**	**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	General Location	Sample Type	Sample Location Disposition	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-cd)Pyrene	Total cPAHs TEC[4,5]
J2-B	J2-B-20.0	Interior	Confirmation	Removed	Soil	---	20.0	2/14/2020	< 0.0077	< 0.0077	0.0087	0.0087	---	---	---	---	---	---	---	---	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0058
	J2-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.014
	J2-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/28/2020	0.15	0.076	0.15	0.376	---	---	---	---	---	---	---	---	0.0085	0.034	0.015	< 0.0081	0.023	< 0.0081	< 0.0081	0.015
J4-ESW	J4-ESW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	13	14	14	4.4	15	1.3	7.1	**17.2**
	J4-ESW-15.0	Sidewall	Confirmation	In Place	Soil	---	15.0	2/22/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.039	0.033	0.035	< 0.021	0.036	< 0.021	0.023	0.051
J/K-B	J/K-B-(-6.75)	Interior	Confirmation	In Place	Soil	---	-6.75	6/2/2020	< 0.0074	< 0.0074	< 0.0074	< 0.0222	---	---	---	---	---	---	---	---	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0056
K2-B	K2-B-20.0	Interior	Performance	Removed	Soil	---	20.0	2/6/2020	4.0	4.6	5.6	**14.2**	---	---	---	---	---	---	---	---	12	11	12	3.4	10	0.96	6.7	**15.5**
	K2-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/24/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.015
	K2-B-0.0	Interior	Confirmation	Removed	Soil	---	0.0	5/4/2020	< 0.0082	< 0.0082	< 0.0082	< 0.0246	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
K3-B	K3-B-20.0	Interior	Performance	Removed	Soil		20.0	2/13/2020	22	14	15	**51**	---	---	---	---	---	---	---	---	78	86	74	23	72	7.8	43	**102**
	K3-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/24/2020	---	---	---	**---**	---	---	---	---	---	---	---	---	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.011
	K3-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/28/2020	< 0.0086	< 0.0086	< 0.0086	< 0.0258	---	---	---	---	---	---	---	---	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0065
K4-B	K4-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/26/2020	1.2	0.33	0.59	2.12	---	---	---	---	---	---	---	---	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0067
	K4-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/26/2020	0.72	0.30	0.55	1.57	---	---	---	---	---	---	---	---	0.035	0.055	0.037	< 0.018	0.052	< 0.018	0.018	0.048
K4-ESW	K4-ESW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/4/2020	0.46	0.45	0.49	1.4	---	---	---	---	---	---	---	---	2.4	1.9	2.3	0.68	1.9	0.23	1.4	**3.1**
	K4-ESW-15.0	Sidewall	Confirmation	In Place	Soil	---	15.0	2/22/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.025
L1-WSW	L1-WSW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/3/2020	0.087	0.071	0.079	0.237	---	---	---	---	---	---	---	---	0.076	0.073	0.10	0.030	0.077	0.011	0.054	0.10
L2-B	L2-B-20.0	Interior	Performance	Removed	Soil	---	20.0	2/6/2020	0.41	< 0.21	< 0.21	0.41	---	---	---	---	---	---	---	---	3.0	2.9	3.3	1.1	2.4	0.42	1.8	**4.0**
	L2-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/28/2020	< 0.0089	< 0.0089	< 0.0089	< 0.0267	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	L2-B-0.0	Interior	Confirmation	Removed	Soil	---	0.0	5/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0054
L3-B	L3-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/26/2020	< 0.018	< 0.018	< 0.018	< 0.054	---	---	---	---	---	---	---	---	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.014
L4-ESW	L4-ESW-15.0	Sidewall	Confirmation	In Place	Soil	---	15.0	2/22/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.026
L4-SSW	L4-SSW-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/28/2020	0.028	< 0.0081	0.010	0.038	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M1-B-0	M1-B-0.0	Interior	Confirmation	Removed	Soil	---	0.0	5/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0065
M1-ESW	M1-ESW-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/26/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
M1-WSW	M1-WSW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/3/2020	0.25	1.2	1.4	2.85	---	---	---	---	---	---	---	---	0.40	0.30	0.38	0.11	0.34	0.041	0.27	**0.51**
M1-WSW2	M1-WSW2-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/3/2020	0.015	0.022	0.018	0.055	---	---	---	---	---	---	---	---	0.028	0.022	0.039	0.012	0.031	< 0.0081	0.023	0.038
M2-B	M2-B-20.0	Interior	Performance	Removed	Soil	---	20.0	2/6/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.14	0.14	0.11	< 0.077	0.13	< 0.077	< 0.077	**0.18**
	M2-B-0.0	Interior	Confirmation	Removed	Soil	---	0.0	4/30/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.015	0.074	0.029	0.0085	0.046	< 0.0078	< 0.0078	0.027
M3-B	M3-B-(-6.75)	Interior	Confirmation	In Place	Soil	---	-6.75	5/28/2020	< 0.0077	< 0.0077	< 0.0077	< 0.0231	---	---	---	---	---	---	---	---	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0058
M4-ESW	M4-ESW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/6/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.012	0.010	0.016	< 0.0081	0.015	< 0.0081	0.0089	0.016
N1-NSW	N1-NSW-22.0	Sidewall	Confirmation	In Place	Soil	---	22.0	1/31/2020	0.013	< 0.0081	< 0.0081	0.013	---	---	---	---	---	---	---	---	0.070	0.062	0.075	0.022	0.066	< 0.0081	0.043	0.091
N1-WSW	N1-WSW-20.0	Interior	Confirmation	Removed	Soil	---	20.0	2/3/2020	0.094	0.20	0.38	0.674	---	---	---	---	---	---	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.060
N2-B	N2-B-20.0	Interior	Performance	Removed	Soil	---	20.0	2/6/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.15 H	0.13 H	0.13 H	0.052 H	0.13 H	0.013 H	0.084 H	**0.19**
	N2-B-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/23/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.014
	N2-B-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/23/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0063
N2-NSW	N2-NSW-22.0	Sidewall	Confirmation	In Place	Soil	---	22.0	1/31/2020	0.014	< 0.0078	0.0091	0.0231	---	---	---	---	---	---	---	---	0.053	0.025	0.040	0.012	0.025	0.0090	0.074	0.069
N3-NSW	N3-NSW-22.0	Sidewall	Confirmation	In Place	Soil	---	22.0	1/31/2020	< 0.0079	< 0.0079	< 0.0079	< 0.0237	---	---	---	---	---	---	---	---	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0060
N3-NSW2	N3-NSW2-22.0	Sidewall	Confirmation	In Place	Soil	---	22.0	1/31/2020	0.0088	0.0094	0.017	0.0352	---	---	---	---	---	---	---	---	0.019	0.011	0.018	< 0.0080	0.012	< 0.0080	0.015	0.024
N4-NSW	N4-NSW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/6/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.034	0.024	0.039	0.011	0.027	< 0.0080	0.038	0.046
N4-ESW	N4-ESW-20.0	Sidewall	Confirmation	In Place	Soil	---	20.0	2/6/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0058
TP-2	TP-2-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/13/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0067
TP-3	TP-3-20.0-121919	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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**

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

Sample Location	Sample Identification	General Location	Sample Type	Sample Location Disposition	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-cd)Pyrene	Total cPAHs TEC[4,5]
TP-10	TP-10-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/4/2020	< 0.035	< 0.035	< 0.035	< 0.105	---	---	---	---	---	---	---	---	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.026
	TP-10-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/4/2020	0.027	< 0.0081	< 0.0081	0.027	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TP-11	TP-11-15.0	Interior	Performance	Removed	Soil	---	15.0	2/4/2020	0.35	0.32	0.32	0.99	---	---	---	---	---	---	---	---	1.5	1.5	1.3	0.51	1.4	0.15	0.79	**1.9**
	TP-11-10.0	Interior	Confirmation	Removed	Soil	---	10.0	2/4/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0072
TP-12	TP-12-20.0	Interior	Performance	Removed	Soil	---	20.0	2/7/2020	---	---	---	---	---	---	---	---	---	---	---	---	16	19	14	5.7	17	1.6	8.4	**21**
	TP-12-15.0	Interior	Performance	Removed	Soil	---	15.0	2/7/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.083	0.084	0.075	0.023	0.078	< 0.014	0.043	**0.107**
TP-13	TP-13-20.0	Interior	Confirmation	Removed	Soil	---	20.0	2/7/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0057
	TP-13-15.0	Interior	Confirmation	Removed	Soil	---	15.0	2/7/2020	---	---	---	---	---	---	---	---	---	---	---	---	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0070
TP-16	TP-16-20.0	Interior	Confirmation	Removed	Soil	---	20.0	2/14/2020	---	---	---	---	---	---	---	---	---	---	---	---	0.023	0.029	0.029	< 0.017	0.029	< 0.017	< 0.017	0.032
Underground Storage Tank Investigation and Decommissioning																												
M1-Tank	M1-TANK-24.5	Interior	Performance	Removed	Soil	---	24.5	1/21/2020	1.8	5.1	8.0	**14.9**	---	---	---	---	---	---	---	---	0.29	0.39	0.30	< 0.082	0.54	0.11	0.17	**0.40**
UST01-B	UST01-B-17	Interior	Confirmation	Removed	Soil	---	17.0	1/27/2020	0.029	0.041	0.055	0.125	---	---	---	---	---	---	---	---	0.011	0.011	0.010	< 0.0073	0.014	< 0.0073	< 0.0073	0.014
UST01-N1	UST01-N1-19	Interior	Confirmation	Removed	Soil	---	19.0	1/27/2020	< 0.0080	< 0.0080	< 0.0080	< 0.0240	---	---	---	---	---	---	---	---	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0060
UST01-E1	UST01-E1-19	Interior	Confirmation	Removed	Soil	---	19.0	1/27/2020	< 0.0078	< 0.0078	< 0.0078	< 0.0234	---	---	---	---	---	---	---	---	0.016	0.014	0.016	< 0.0078	0.015	< 0.0078	0.010	0.021
UST01-S1	UST01-S1-19	Interior	Confirmation	Removed	Soil	---	19.0	1/27/2020	< 0.0074	< 0.0074	< 0.0074	< 0.0222	---	---	---	---	---	---	---	---	0.010	0.0090	0.0096	< 0.0074	0.0097	< 0.0074	< 0.0074	0.013
UST01-W1	UST01-W1-19	Interior	Confirmation	Removed	Soil	---	19.0	1/27/2020	< 0.0081	< 0.0081	< 0.0081	< 0.0243	---	---	---	---	---	---	---	---	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0061
UST-01-line	UST-01-LINE-21.0	Sidewall	Performance	Removed	Soil	---	21.0	1/31/2020	0.90	8.5	7.2	**16.6**	---	---	---	---	---	---	---	---	0.33	0.53	0.32	< 0.080	1.2	< 0.080	0.16	**0.45**
UST02-N	UST-02-N	Interior	Confirmation	Removed	Soil	---	18.0	2/5/2020	0.031	0.062	0.043	0.136	---	---	---	---	---	---	---	---	0.019	0.029	0.015	< 0.0084	0.081	< 0.0084	< 0.0084	0.025
UST02-E	UST-02-E	Interior	Confirmation	Removed	Soil	---	18.0	2/5/2020	0.12	0.13	0.21	0.46	---	---	---	---	---	---	---	---	0.039	0.034	0.034	< 0.012	0.034	< 0.012	0.023	0.050
UST02-B1	UST02-B1	Interior	Performance	Removed	Soil	---	15.0	2/7/2020	0.18	0.31	0.094	0.584	---	---	---	---	---	---	---	---	0.55	0.54	0.45	0.17	0.48	< 0.065	0.29	**0.70**
UST02-B2	UST02-B2	Interior	Confirmation	Removed	Soil	---	14.0	2/7/2020	< 0.040	< 0.040	< 0.040	< 0.120	---	---	---	---	---	---	---	---	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.030
UST02-N1	UST02-N1	Interior	Performance	Removed	Soil	---	17.5	2/7/2020	0.35	0.29	0.39	1.03	---	---	---	---	---	---	---	---	0.083	0.071	0.075	0.024	0.077	< 0.011	0.058	**0.107**
UST02-E1	UST02-E1	Interior	Performance	Removed	Soil	---	17.5	2/7/2020	0.096	0.037	0.050	0.183	---	---	---	---	---	---	---	---	0.11	0.11	0.10	0.034	0.11	0.011	0.069	**0.14**
UST02-S	UST02-S	Interior	Performance	Removed	Soil	---	17.5	2/7/2020	0.047	< 0.013	0.015	0.062	---	---	---	---	---	---	---	---	0.039	0.022	0.040	0.016	0.022	< 0.013	0.039	0.052
UST02-W1	UST02-W1	Interior	Performance	Removed	Soil	---	17.5	2/7/2020	0.12	0.031	0.043	0.194	---	---	---	---	---	---	---	---	0.19	0.17	0.16	0.062	0.14	0.019	0.11	**0.24**
Screening Levels[6]												**5**	**4,800[7]**	**NE**	**24,000[7]**	**NE**	**3,200[7]**	**3,200[7]**	**NE**	**2,400[7]**								**0.1**
MTCA Method B Levels for Soil Protective of Groundwater Vadose @ 25 Degrees Celsius[7]									**4.46**	**NE**	**NE**	**NE**	**97.9**	**NE**	**2,270**	**NE**	**631**	**101**	**NE**	**655**								
MTCA Method B Levels for Soil Protective of Groundwater Vadose @ 13 Degrees Celsius[7]									**4.45**	**NE**	**NE**	**NE**	**97.9**	**NE**	**NE**	**NE**	**NE**	**101**	**NE**	**655**								
MTCA Method B Levels for Soil Protective of Groundwater Saturated[7]									**0.236**	**NE**	**NE**	**NE**	**4.98**	**NE**	**114**	**NE**	**31.6**	**5.12**	**NE**	**32.8**								

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding applicable cleanup 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 or 8270E/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 Cleanup Levels and Risk Calculations under MTCA, Standard Method B Formula Values for Soil from CLARC Master spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

Adapt Engineering = Adapt Engineering, Inc.
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
Enviros = Enviros Group, Ltd.
Farallon = Farallon Consulting, L.L.C.
GeoEngineers = GeoEngineers, Inc.
H = sample analyzed outside of holding time
J = result is an estimate
ND = not detected and reporting limit is not available.
NE = not established
PAHs = polycyclic aromatic hydrocarbons
TEC = toxic equivalent concentration

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

Sample Location	Sample Identification	General Location	Sample Type	Sample Location Disposition	Sample Depth (feet)[1]	Sample Elevation (feet NAVD88)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
								PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,2-Dibromoethane	1,2 Dichloroethane	Methyl Tertiary Butyl Ether (MTBE)
Block 38 West Property															
FB-02	FB-02-10.0-082018	Interior	Confirmation	Removed	10.0	15.1	8/20/2018	< 0.0028	< 0.0028	< 0.0028	< 0.0028	< 0.0028	---	---	---
	FB-02-25.0-082018	Interior	Confirmation	Removed	25.0	0.1	8/20/2018	< 0.00085	< 0.00085	< 0.00085	< 0.00085	< 0.00085	---	---	---
FB-04	FB-04-20.0-082118	Interior	Confirmation	Removed	20.0	2.0	8/21/2018	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	---	---	---
FB-05	FB-05-20.0-082218	Interior	Confirmation	Removed	20.0	5.5	8/22/2018	< 0.00090	< 0.00090	< 0.00090	< 0.00090	< 0.00090	---	---	---
FMW-135	FMW-135-50.0-082418	Interior	Confirmation	In Place	50.0	-24.4	8/24/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	---	---	---
FMW-136	FMW-136-10.0-082218	Interior	Confirmation	Removed	10.0	15.1	8/22/2018	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	---	---	---
	FMW-136-20.0-082218	Interior	Confirmation	Removed	20.0	5.1	8/22/2018	< 0.00094	< 0.00094	< 0.00094	< 0.00094	< 0.00094	---	---	---
TP-7	TP-7-4.0	Interior	Confirmation	Removed	4.0	19.5	12/23/2019	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044
Underground Storage Tank Investigation and Decommissioning															
M1-Tank	M1-TANK-24.5	Interior	Confirmation	Removed	---	24.5	1/21/2020	0.0041	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
UST01-B	UST01-B-17	Interior	Confirmation	Removed	---	17.0	1/27/2020	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092
UST01-N1	UST01-N1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	< 0.00094	< 0.00094	< 0.00094	< 0.00094	< 0.00094	---	---	---
UST01-E1	UST01-E1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.00083	---	---	---
UST01-S1	UST01-S1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	< 0.00084	< 0.00084	< 0.00084	< 0.00084	< 0.00084	---	---	---
UST01-W1	UST01-W1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	< 0.00098	< 0.00098	< 0.00098	< 0.00098	< 0.00098	---	---	---
Screening Levels[3]								**0.05**	**0.03**	**160[4]**	**1,600[4]**	**0.67[4]**	**0.0053**	**11[4]**	**0.1**

NOTES:

< denotes analyte not detected at or exceeding the 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 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 from CLARC Master spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

CVOC = chlorinated volatile organic compound
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	General Location	Sample Type	Sample Location Disposition	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]
Block 38 West Property															
TP-7	TP-7-4.0	Interior	Confirmation	Removed	4.0	19.5	12/23/2019	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.525
Underground Storage Tank Investigation and Decommissioning															
M1-Tank	M1-TANK-24.5	Interior	Confirmation	Removed	---	24.5	1/21/2020	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.217
UST01-B	UST01-B-17	Interior	Confirmation	Removed	---	17.0	1/27/2020	< 0.055	< 0.055	< 0.055	< 0.055	< 0.055	< 0.055	< 0.055	< 0.193
UST02-N	UST-02-N	Interior	Confirmation	Removed	---	18.0	2/5/2020	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.063	< 0.221
UST02-E	UST-02-E	Interior	Confirmation	Removed	---	18.0	2/5/2020	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.305
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	General Location	Sample Type	Sample Location Disposition	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
Block 38 West Property															
FB-01	FB-01-15.0-082118	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	10.0	15.8	8/23/2018	< 13	230	< 0.65	100	8.9	< 0.32	< 13	< 1.3
	FB-03-35.0-082318	Interior	Confirmation	In Place	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	Interior	Confirmation	Removed	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	Interior	Confirmation	In Place	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	Interior	Confirmation	Removed	10.0	15.3	8/24/2018	< 17	200	< 1.7	29	18	< 0.83	< 17	< 3.3
	FMW-133-20.0-082418	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	5.0	20.4	8/23/2018	< 17	110	< 1.7	19	< 17	< 0.83	< 17	< 3.3
	FMW-134-15.0-082318	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	5.0	20.6	8/24/2018	< 12	120	< 0.61	48	16	< 0.31	< 12	< 1.2
	FMW-135-25.0-082418	Interior	Confirmation	Removed	25.0	0.6	8/24/2018	< 14	120	< 0.69	60	< 6.9	< 0.35	< 14	< 1.4
	FMW-135-30.0-082418	Interior	Confirmation	Removed	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	Interior	Confirmation	Removed	20.0	5.1	8/22/2018	< 13	46	< 0.63	42	< 6.3	< 0.32	< 13	< 1.3
	FMW-136-30.0-082218	Interior	Confirmation	Removed	30.0	-4.9	8/22/2018	< 12	45	< 0.59	41	< 5.9	< 0.30	< 12	< 1.2
M1-WSW	M1-WSW-17.0	Sidewall	Confirmation	In Place	---	17.0	2/10/2020	---	---	---	---	18	---	---	---
N1-WSW	N1-WSW-17.0	Interior	Confirmation	Removed	---	17.0	2/10/2020	---	---	---	---	80	---	---	---
TP-7	TP-7-4.0	Interior	Confirmation	Removed	4.0	19.5	12/23/2019	---	---	---	---	33	---	---	---
Underground Storage Tank Investigation and Decommissioning															
M1-Tank	M1-TANK-24.5	Interior	Confirmation	Removed	---	24.5	1/21/2020	---	---	---	---	46	---	---	---
UST01-B	UST01-B-17	Interior	Confirmation	Removed	---	17.0	1/27/2020	---	---	---	---	13	---	---	---
UST01-N1	UST01-N1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	---	---	---	---	8.1	---	---	---
UST01-E1	UST01-E1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	---	---	---	---	25	---	---	---
UST01-S1	UST01-S1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	---	---	---	---	13	---	---	---
UST01-W1	UST01-W1-19	Interior	Confirmation	Removed	---	19.0	1/27/2020	---	---	---	---	14	---	---	---
UST-01-line	UST-01-LINE-21.0	Sidewall	Confirmation	In Place	---	21.0	1/31/2020	---	---	---	---	100	---	---	---
Screening Levels[3]								**20**	**16,000[4]**	**2**	**2,000**	**250**	**2**	**400[4]**	**400[4]**

NOTES:

< 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/6020B/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 Cleanup Levels and Risk Calculations under MTCA, Standard Method B Formula Values for Soil from CLARC Master spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

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

Location	Water Bearing Zone	Screened Interval (feet bgs)[1]	Screened Interval (feet NAVD88)[2]	Top of Casing Elevation (feet NAVD88)[2]	Monitoring Date	Depth to Water (feet)[3]	Water Level Elevation (feet NAVD88)[2]
FMW-130	Intermediate	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	Shallow	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	Shallow	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	Shallow	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	Shallow	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	Intermediate	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	Deep Outwash Aquifer	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	Deep Outwash Aquifer	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

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

Location	Water Bearing Zone	Screened Interval (feet bgs)[1]	Screened Interval (feet NAVD88)[2]	Top of Casing Elevation (feet NAVD88)[2]	Monitoring Date	Depth to Water (feet)[3]	Water Level Elevation (feet NAVD88)[2]
FMW-144	Intermediate	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
FMW-145	Intermediate	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	Intermediate	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	Intermediate	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	Intermediate	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
FMW-150	Intermediate	6.0 to 11.0[4]	-8.5 to -13.5[5]	23.3[6]	NA	NA	NA
FMW-151	Intermediate	6.8 to 11.8[4]	-9.3 to -14.3[5]	22.8[6]	NA	NA	NA
FMW-152	Intermediate	6.0 to 11.0[4]	-8.5 to -13.5[5]	22.8[6]	NA	NA	NA
FMW-153	Intermediate	6.0 to 11.0[4]	-8.5 to -13.5[5]	22.8[6]	NA	NA	NA

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

Location	Water Bearing Zone	Screened Interval (feet bgs)[1]	Screened Interval (feet NAVD88)[2]	Top of Casing Elevation (feet NAVD88)[2]	Monitoring Date	Depth to Water (feet)[3]	Water Level Elevation (feet NAVD88)[2]
OW-1	Intermediate	30.0 to 45.0	-6.0 to -21.0	24.17	1/15/2021	18.48	5.69
					3/24/2021	18.22	5.95
					3/30/2021	14.89	9.28
					4/2/2021	14.25	9.92
					4/10/2021	13.22	10.95
					4/13/2021	12.99	11.18
					4/19/2021	12.58	11.59
					4/21/2021	12.41	11.76
					4/23/2021	12.29	11.88
					4/27/2021	12.17	12.00
					4/30/2021	11.97	12.20
					5/4/2021	11.84	12.33
					5/17/2021	11.35	12.82
					6/14/2021	10.74	13.43
					6/28/2021	10.33	13.84
					7/12/2021	10.33	13.84
					7/26/2021	10.30	13.87
					8/9/2021	10.27	13.90
OW-2	Intermediate	30.0 to 45.0	-7.0 to -22.0	22.91	1/15/2021	20.32	2.59
					3/24/2021	20.81	2.10
					3/30/2021	14.99	7.92
					4/2/2021	14.24	8.67
					4/10/2021	13.16	9.75
					4/13/2021	12.86	10.05
					4/19/2021	12.42	10.49
					4/21/2021	12.22	10.69
					4/23/2021	12.12	10.79
					4/27/2021	11.99	10.92
					4/30/2021	11.75	11.16
					5/4/2021	11.71	11.20
					5/17/2021	--	--
					6/14/2021	--	--
					6/28/2021	9.97	12.94
					7/12/2021	9.88	13.03
					7/26/2021	9.79	13.12
					8/9/2021	9.73	13.18

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

Location	Water Bearing Zone	Screened Interval (feet bgs)[1]	Screened Interval (feet NAVD88)[2]	Top of Casing Elevation (feet NAVD88)[2]	Monitoring Date	Depth to Water (feet)[3]	Water Level Elevation (feet NAVD88)[2]
OW-3	Intermediate	48.0 to 63.0	-8.0 to -23.0	38.76	1/15/2021	36.11	2.65
					3/24/2021	35.83	2.93
					3/30/2021	31.35	7.41
					4/2/2021	27.31	11.45
					4/10/2021	29.92	8.84
					4/13/2021	29.66	9.10
				38.91	4/19/2021	29.35	9.56
					4/21/2021	29.18	9.73
					4/23/2021	29.04	9.87
					4/27/2021	28.95	9.96
					4/30/2021	28.61	10.30
					5/4/2021	28.66	10.25
					5/17/2021	27.99	10.92
					6/14/2021	27.23	11.68
					6/28/2021	26.87	12.04
					7/12/2021	--	--
					7/28/2021	26.61	12.30
					8/9/2021	26.29	12.62
OW-4	Intermediate	48.0 to 58.0	-11.0 to -21.0	32.05	1/15/2021	32.05	0.00
				36.28	3/24/2021	31.60	4.68
					3/30/2021	31.60	4.68
					4/2/2021	31.11	5.17
					4/10/2021	26.28	10.00
					4/13/2021	25.98	10.30
					4/19/2021	25.57	10.71
					4/21/2021	25.34	10.94
					4/23/2021	25.28	11.00
					4/27/2021	--	--
					4/30/2021	--	--
					5/4/2021	--	--
					5/17/2021	--	--
					6/14/2021	--	--
					6/28/2021	--	--
					7/12/2021	--	--
				39.23	7/26/2021	26.28	12.95
					8/9/2021	--	--

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

Location	Water Bearing Zone	Screened Interval (feet bgs)[1]	Screened Interval (feet NAVD88)[2]	Top of Casing Elevation (feet NAVD88)[2]	Monitoring Date	Depth to Water (feet)[3]	Water Level Elevation (feet NAVD88)[2]
OW-5	Intermediate	44.8 to 54.8	-11.0 to -21.0	33.80	1/15/2021	29.10	4.70
					3/24/2021	25.32	8.48
					3/30/2021	23.05	10.75
					4/2/2021	22.53	11.27
					4/10/2021	21.72	12.08
					4/13/2021	21.52	12.28
					4/19/2021	21.16	12.64
					4/21/2021	21.00	12.80
					4/23/2021	20.90	12.90
					4/27/2021	20.98	12.82
					4/30/2021	20.80	13.00
					5/4/2021	20.73	13.07
					5/17/2021	20.18	13.62
					6/14/2021	19.52	14.28
					6/28/2024	19.13	14.67
					7/12/2021	18.93	14.87
					7/26/2021	19.01	14.79
					8/9/2021	19.03	14.77

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.

[4]In feet below top of P4 parking slab elevation.

[5]In feet referenced to North American Vertical Datum of 1988 (NAVD88) based on well construction detail.

[6]In feet referenced to North American Vertical Datum of 1988 (NAVD88) based on planned well completion at P1 parking slab elevation.

bgs = below ground surface

NA = not applicable

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)								
				NWTPH-Dx[2]		Total NWTPH-Dx[3]	NWTPH-Dx[2]	NWTPH-Gx[4]	EPA Method 8021B or 8260[5]			
				DRO	ORO		Kerosene	GRO	Benzene	Toluene	Ethylbenzene	Xylenes
Block 38 West Property												
Reconnaissance Groundwater Samples from Borings												
FB-03	8/23/2018	FB-03-082318	8.8 to 3.8	**660**	490	**1,150**	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FB-05	8/22/2018	FB-05-082218	8.5 to 3.5	< 260	< 410	< 670	---	< 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	< 660	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	12/28/2018	FMW130-122818		< 260	< 410	< 670	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	3/26/2019	FMW-130-032619		< 250	< 400	< 650	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-132	8/30/2018	FMW-132-083018	20.7 to 15.7	260	< 400	260	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	12/28/2018	FMW132-122818		< 260	< 410	< 670	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	3/26/2019	FMW-132-032619		< 250	< 400	< 650	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-133	8/30/2018	FMW-133-083018	18.8 to 13.8	270	< 410	270	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	12/28/2018	FMW133-122818		310	< 410	310	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	3/26/2019	FMW-133-032619		280	< 400	280	---	< 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	**1,000**	**---**	**1,100** Z	< 1.0	< 5.0	< 1.0	< 3.0
	12/28/2018	FMW134-122818		**560**	< 410	**560**	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	12/28/2018	FMW500-122818		**680**	490	**1,170**	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	3/26/2019	FMW-134-032619		**540** M	< 400	**540**	---	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	< 670	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	12/28/2018	FMW135-122818		370	< 410	370	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	3/26/2019	FMW-135-032619		< 250	< 410	< 660	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-136	8/30/2018	FMW-136-083018	-4.9 to -14.9	< 250	< 400	< 650	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	12/28/2018	FMW136-122818		< 260	< 410	< 670	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60
	3/26/2019	FMW-136-032619		< 250	< 410	< 660	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-144	12/26/2019	FMW-144-122619	-8.6 to -13.6	< 200	< 200	< 400	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-145	12/26/2019	FMW-145-122619	-8.1 to -13.1	280	310	**590**	---	< 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**	**1,750**	---	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**	**3,300**	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-149	12/26/2019	FMW-149-122619	-7.8 to -12.8	< 210	< 210	< 420	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
Screening Levels[6]				**500**	**500**	**500**	**500**	**800/1,000[7]**	**5**	**1,000**	**700**	**1,000**

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding applicable cleanup 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]Total is the sum of the DRO and ORO results.
[4]Analyzed by Northwest Method NWTPH-Gx.
[5]Analyzed by U.S. Environmental Protection Agency Method 8021B or 8260.
[6]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.
[7]Cleanup 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-cd)Pyrene	Total cPAHs TEC[4,5]
Block 38 West Property																							
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**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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** and highlighted yellow denote concentrations exceeding applicable cleanup 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 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 otherwise noted.
[7]Washington State Cleanup Levels and Risk Calculations under MTCA, Standard Method B Formula Values for Groundwater from CLARC Master spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

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 CVOCs
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-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Acetone	Bromodichloromethane	Chloroform
Block 38 West Property												
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** and highlighted yellow denote concentrations exceeding applicable cleanup levels.

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

— denotes sample not analyzed.

CVOCs = chlorinated volatile organic compounds

[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 CVOCs 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]Washington State Cleanup Levels and Risk Calculations under MTCA, Standard Method B Formula Values for Groundwater from CLARC Master spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

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]
Block 38 West											
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 Wells Construction Details
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
Groundwater Monitoring Wells					
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	2/13/2020
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	2/13/2020
FMW-137	72.0 to 85.0	-41.9 to -54.9	30.09	No	NA
FMW-138	90.0 to 100.0	-49.96 to -59.96	40.44	No	NA
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
FMW-150	6.0 to 11.0[3]	-8.5 to -13.5[4]	Not surveyed	No	NA
FMW-151	6.8 to 11.8[3]	-9.3 to -14.3[4]	Not surveyed	No	NA
FMW-152	6.0 to 11.0[3]	-8.5 to -13.5[4]	Not surveyed	No	NA
FMW-153	6.0 to 11.0[3]	-8.5 to -13.5[4]	Not surveyed	No	NA
Block 38 West Dewatering Wells					
DW-1	21 to 61	10 to -30	30.32	Yes	4/26/2021
DW-2	18 to 58	10 to -30	28.26	Yes	4/26/2021
DW-3	15 to 55	10 to -30	26.23	Yes	4/26/2021
DW-4	15 to 55	10 to -30	24.93	Yes	4/26/2021
DW-5	15 to 55	10 to -30	23.55	Yes	4/26/2021

Table 11
Monitoring Wells Construction Details
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
DW-6	15 to 55	10 to -30	26.54	Yes	4/26/2021
DW-7	15 to 55	10 to -30	26.11	Yes	4/26/2021
DW-8	31 to 71	10 to -30	35.16	Yes	4/26/2021
DW-9	31 to 71	10 to -30	42.51	Yes	4/26/2021
DW-10	30 to 70	10 to -30	42.64	Yes	4/26/2021
DW-11	30 to 70	10 to -30	41.35	Yes	4/26/2021
DW-12	29 to 69	10 to -30	40.84	Yes	4/26/2021
DW-13	28 to 68	10 to -30	39.53	Yes	4/26/2021
DW-14	27 to 67	10 to -30	36.37	Yes	4/26/2021
DW-15	26 to 66	10 to -30	35.88	Yes	4/26/2021
DW-16	24 to 64	10 to -30	35.31	Yes	4/26/2021
DW-17	22 to 62	10 to -30	33.24	Yes	4/26/2021
DW-18A	21 to 61	10 to -30	33.25	Yes	4/26/2021
DW-18B	21 to 61	10 to -30	35.32	Yes	4/26/2021
Block 38 West Construction Dewatering Observation Wells					
OW-1	30.0 to 45.0	-6.0 to -21.0	24.16	No	NA
OW-2	30.0 to 45.0	-7.0 to -22.0	22.90	No	NA
OW-3	48.0 to 63.0	-8.0 to -23.0	38.77	No	NA
OW-4	48.0 to 58.0	-11.0 to -21.0	36.28	No	NA
OW-5	44.8 to 54.8	-11.0 to -21.0	33.80	No	NA

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 P4 parking slab elevation.

bgs = below ground surface

NA = not applicable

APPENDIX A
BORING LOGS

INTERIM ACTION REPORT
Block 38 West Site
500 Through 536 Westlake Avenue North
Seattle, Washington

Farallon PN: 397-019

Log of Boring: FB-01

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/21/2018 @ 1126	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/21/2018 @ 1540	**Drive Hammer (lbs.):**	140
Equipment:	MiniTrack	**Depth of Water ATD (ft bgs):**	8.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	41.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-1.0': Concrete. Hand auger to clear for utilities.	CO							Concrete
		1.0'-5.0': Well graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand, fine gravel, brown, moist, no odor.	SW-SM				1.0			
5		5.0-6.5': Silty SAND (50% sand, 40% silt, 10% gravel), fine to coarse sand, fine gravel, dark brown, very loose, moist, no odor.	SM		80	3 2 1	0.5	FB-01-5.0-082118 @ 1140	X	Water Level
10		10.0-11.5': No soil samples collected. Temporary well installed at approximately 12.5 ft bgs.			NA	NA	NA	FB-01-082118 @1245	X	
15		15.0-15.8': SILT (90% silt, 10% sand), fine sand, brown, wet, stiff, no odor.	ML		100	2 4 8	0.0	FB-01-15.0-082118 @1420	X	Bentonite
		15.8-16.5': Silty SAND (70% sand, 30% silt), fine sand, gray, wet, medium dense, no odor.	SM							
20		20.0-21.5': Poorly-graded SAND (95% sand, 5% silt), fine sand, grayish brown, wet, dense, no odor.	SP		100	12 19 21	0.0	FB-01-20.0-082118 @ 1446		

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-01

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/21/2018 @ 1126	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/21/2018 @ 1540	**Drive Hammer (lbs.):**	140
Equipment:	MiniTrack	**Depth of Water ATD (ft bgs):**	8.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	41.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		25.0-26.5': SILT (90% silt, 10% sand), fine sand, gray, wet,stiff, no odor.	ML		100	3 4 5	0.0	FB-01-25.0-082118 @ 1500		
30		30.0-31.5': Poorly graded SAND (95% sand, 5% silt), medium sand, gray, wet, dense, no odor.	SP		100	14 20 25	0.0	FB-01-30.0-082118 @ 1515	X	
35		35.0-36.5': Silty SAND (60% sand, 40% silt), fine sand, gray, moist, very dense no odor.	SM		100	17 35 26	0.0	FB-01-35.0-082118 @ 1530		Bentonite
40		40.0-41.5': Poorly graded SAND (95% sand, 5% silt), fine sand, dark gray, very dense, moist, no odor.	SP		100	12 15 50 5	0.0	FB-01-40.0-082118 @ 1540		

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-02

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/20/2018 @ 1045	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/20/2018 @ 1545	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	10.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	41.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.7': Concrete, hand auguer to clear for utilities.	CO							Concrete
		2.5-3.5': Well graded GRAVEL with silt and sand (50% gravel, 40% sand,10% silt), fine to coarse sand, fine gravel, dark brown, moist, no odor. (Fill).	FILL				0.5	FB-02-3.0-082018 @1155		
5		5.0-6.5': Well graded GRAVEL with silt and sand (50% gravel, 40% sand, 10% silt), fine to coarse sand, fine gravel, dark brown, moist, loose, no odor. Wood debris present. (Fill).	FILL		100	11 5 3	0.9	FB-02-5.0-082018 @1220	X	
10		10.0-11.5': Sandy SILT (70% silt, 30% sand), fine to medium sand, dark brown, wet, very soft, no odor. Mottling present.	ML		100	1 1 1	0.2	FB-02-10.0-082018 @1255	X	Water Level
15		15.0-16.5': SILT with sand (75% silt, 25% sand), fine to medium sand, grayish brown, moist, stiff, no odor.	ML		100	4 4 6	0.5	FB-02-15.0-082018 @1245		Bentonite
20		20.0-21.5': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, gray, wet, medium dense, no odor.	SP-SM		100	14 11 5	0.2	FB-02-20.0-082018 @1310		

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-02

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/20/2018 @ 1045	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/20/2018 @ 1545	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	10.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	41.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		25.0-26.5': Silty SAND (80% sand, 20% silt), fine to medium sand, gray, wet, dense, slight petroleum-like odor.	SM		100	16 20 20	0.4	FB-02-25.0-082018 @1430	X	
30		30.0-31.5': Sandy SILT (60% silt, 40% sand), fine sand, gray, moist to wet, very stiff, slight petroleum-like odor.	ML		100	12 16 16	0.7	FB-02-30.0-082018 @1454		
35		35.0-36.5': Poorly graded SAND with silt (90% sand, 10% silt), fine to medium sand, gray, moist to wet, medium dense, no odor.	SP-SM		100	5 8 12	0.6	FB-02-35.0-082018 @1520	X	Bentonite
40		40.0-41.5': No Recovery. Heaving sands prevented drilling beyond 40.0 ft bgs.			0			No Sample		

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-03

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/23/2018 @ 1200	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/23/2018 @ 1540	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	17.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	41.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Concrete, asphalt fill material. Hand auger to clear for utilities.	CO							Concrete
5		5.0-6.5': SILT with sand (80% silt, 10% sand, 10% gravel), fine sand, fine gravel, gray, moist, medium stiff, organic odor. Some charcoal and wood debris. (Fill).	FILL		100	3 3 3	0.1	FB-03-5.0-082318 @1250		
10		10.0-11.5': SILT (100% silt), gray, moist, medium stiff, no odor.	ML		100	3 3 3	0.2	FB-03-10.0-082318 @1310	X	Bentonite
15		15.0-16.5': Sandy SILT (60% silt, 40% sand), fine sand, gray, wet, medium stiff, no odor.	ML		100	2 3 5	0.2	FB-03-15.0-082318 @1325	X	Water Level
20		20.5-21.5': No soil sample. Temporary well installed for reconnaissance groundwater sampling.			NA	NA	NA	FB-03-082318 @ 14:00	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-03

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/23/2018 @ 1200	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/23/2018 @ 1540	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	17.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	41.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		25.0-26.5': Poorly graded SAND with silt (90% sand, 10% silt), medium sand, gray, wet, very dense, no odor.	SP-SM		100	19 22 33	0.2	FB-03-25.0-082318 @1500	X	
30		30.0-31.5': Poorly graded SAND (100% sand), fine to medium sand, grayish brown, wet, dense, no odor.	SP		100	10 21 27	0.3	FB-03-30.0-082318 @1520		Bentonite
35		35.0-36.5': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, gray, wet, medium dense, no odor.	SP-SM		100	14 21 13	0.3	FB-03-35.0-082318 @1530	X	
40		40.0-41.5': Silty SAND (70% sand, 30% silt), fine sand, grayish brown, wet, medium dense, no odor.	SM		100	11 16 20	0.1	FB-03-40.0-082318 @1540		

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-04

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/21/2018 @ 0645	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/21/2018 @ 0900	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	17.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	33.0
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-2.0': Asphalt. Hand auger to clear for utilities.	AC							Concrete
		2.0-3.0': SILT with sand (80% silt, 20% sand), fine sand, dark brown, moist, petroleum-like odor. Peat and orgranic material present. (Fill).	FILL				0.5	FB-04-3.0-082118 @0645		
5		5.0-6.5': SILT with sand (80% silt, 20% sand), fine sand, dark brown, moist, very soft, no odor. Debris and organic material present. (Fill).	FILL		100	1 1 1	0.9	FB-04-5.0-082118 @0650	X	
10		10.0-11.5': SILT with sand (80% silt, 20% silt), fine to medium sand, dark brown, moist to wet, stiff, no odor. Debris present. (Fill).	FILL		100	1 5 10	0.2	FB-04-10.0-082118 @0710	X	Bentonite
15		15.0-16.5': Silty SAND (80% sand, 20% silt), fine to medium sand, gray, wet, loose, no odor.	SM		100	3 2 4	0.5	FB-04-15.0-082118 @0735	X	Water Level
20		20.0-21.5': Poorly graded sand (100% sand), fine to medium sand, gray, wet, dense, no odor.	SP		100	7 15 28	0.2	FB-04-20.0-082118 @0745	X	
25		25.0-26.5': SILT with sand (60% silt, 40% sand), fine sand, gray, wet, very stiff, no odor.	ML		100	10 11 17	0.4	FB-04-25.0-082118 @0815		Bentonite
30		30-31.5': Poorly graded SAND (100% sand), fine to medium sand, gray, wet, dense, no odor.	SP		100	9 14 30	0.7	FB-04-30.0-082118 @0850	X	
35		Refusal at 33.0' bgs due to heaving sands.								

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-05

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/22/2018 @ 0815	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/22/2018 @ 1140	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	17.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	41.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.5': Concrete. Hand auger to clear for utilities.	CO							Concrete
		0.5-5.0': Silty SAND (80% sand, 20% silt), fine to medium sand, dark brown, moist, no odor. (Fill).	FILL							
5		5.0-6.5': Silty SAND (50% sand, 45% silt, 5% gravel), fine to medium sand, fine gravel, dark brown, moist, loose, no odor. (Fill).	FILL		100	1 2 3	0.5	FB-05-5.0-082218 @0840	X	
10		10.0-11.5': SILT (90% silt, 10% sand), fine sand, gray, moist, medium stiff, no odor. Wood chips and organic matter present. (Fill).	FILL		100	2 2 3	0.6	FB-05-10.0-082218 @0855		Bentonite
15		15.0-16.5': SILT (95% silt, 5% sand), fine sand, gray, moist, very stiff, no odor.	ML		100	7 10 13	1.0	FB-05-15.0-082218 @0910	X	
								FB-04-082218 @0950	X	Water Level
20		20.0-20.6': SILT (100% silt), gray, wet, hard, no odor.	ML		100	14 21 24	0.6	FB-05-20.0-082218 @0930	X	
		20.6-21.5': Silty SAND (80% sand, 20% silt), medium sand, gray, wet, dense, no odor.	SM							

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-05

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started:	08/22/2018 @ 0815	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/22/2018 @ 1140	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	17.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	41.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		25.0-26.5': Poorly-graded SAND with silt (90% sand, 10% silt), fine to medium sand, gray, moist, very dense, no odor.	SP-SM		100	17 13 50-6"	0.7	FB-04-25.0-082218 @1110		
30		30-31.5': Poorly-graded SAND (100% sand), fine to medium sand, grayish brown, wet, very dense, no odor.	SP		100	16 25 35	0.4	FB-04-30.0-082218 @1120		Bentonite
35		35-36.5': Poorly-graded SAND with silt (90% sand, 10% silt), fine to medium sand, grayish brown, wet, very dense, no odor.	SP-SM		100	24 28 32	0.7	FB-04-35.0-082218 @1130	X	
40		40.0-41.5': Poorly-graded SAND with silt (90% sand, 10% silt), fine to medium sand, grayish brown, wet, dense, no odor.	SP-SM		100	11 18 30	0.6	FB-04-40.0-082218 @1140		
45										

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FB-06

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started:	08/22/2018 @ 0610	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/22/2018 @ 0730	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	16.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	26.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.5': Concrete. Hand auger to clear for utilities.	CO							Concrete
		0.5-2.5': SILT with sand (80% silt, 15% sand, 5% gravel), fine sand, fine gravel, dark brown, moist, petroleum-like odor. (Fill).	FILL				6.9	FB-05-2.5-082218 @0610	X	
5		5.0-6.5': Sandy SILT (60% silt, 40% sand), fine sand, dark brown, moist, very soft, petroleum-like odor. Wood debris. (Fill).	FILL		100	1 1 1	2.4	No Sample		
10		10.0-11.5': SILT (90% silt, 10% sand), fine sand, dark brown, moist, medium stiff, no odor.	ML		100	1 2 3	0.4	FB-05-10.0-082218 @0640	X	Bentonite
15		15.0-16.5': SILT (95% silt, 5% sand), fine sand, brown, moist, medium stiff, no odor.	ML		100	3 3 3	0.4	FB-05-15.0-082218 @0655		Water Level
20		20.0-21.5': Sandy SILT (60 silt, 40% sand), fine sand, gray, moist to wet, hard, no odor.	ML		100	13 20 23	0.4	FB-05-20.0-082218 @0715	X	
25		25.0-26.5': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, very dense, no odor.	SM		100	14 22 30	0.6	FB-05-25.0-082218 @0730	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: FB-07

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Y. Pehlivan

Date/Time Started: 12/21/19 1335
Date/Time Completed: 12/21/19 1435
Equipment: Geoprobe 7822DT
Drilling Company: AEC
Drilling Foreman: Chris Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 5.0
Total Boring Depth (ft bgs): 32.5
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-2.5': Fill material consisting of brick and wood debris.	FILL		50					
		2.5-5.0': No recovery.								
5		5.0-6.5': Organic FILL (60% soil, 40% wood), abundant wood debris, dark reddish brown, wet, organic odor.	FILL		72		0.5	FB-07-5.0		Water Level
		6.5-8.3': SILT (100% silt), brown, moist, slight organic odor.	ML							
		8.3-8.6': PEAT (100% organic), dark brown, moist, organic odor.	PT							
		8.6-10.0': No recovery.								
10		10.0-11.1': Organic FILL (60% soil, 40% wood), abundant wood debris, dark brown, wet, organic odor.	FILL		56		0.5	FB-07-10.0		Bentonite
		11.1-11.5': SILT (100% silt), gray, moist, no odor.	ML							
		11.5-12.0': Sandy SILT (70% silt, 30% sand), fine sand, gray, moist, no odor.	ML							
		12.0-12.8': Poorly graded SAND (100% sand), fine and medium sand, gray, wet, no odor.	SP							
		12.8-15.0': No recovery.								
15		15.0-16.7': Sandy SILT (70% silt, 30% sand), fine sand, gray, wet, no odor.	ML		70					
		16.7-17.3': SILT (100% silt), gray, moist, no odor.	ML							
		17.3-18.5': Sandy SILT (70% silt, 30% sand), fine sand, gray, wet, no odor.	ML				0.4			
		18.5-20.0': No recovery.								
20										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NM
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FB-07

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Y. Pehlivan

Date/Time Started: 12/21/19 1335
Date/Time Completed: 12/21/19 1435
Equipment: Geoprobe 7822DT
Drilling Company: AEC
Drilling Foreman: Chris Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 5.0
Total Boring Depth (ft bgs): 32.5
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		20.0-21.7': Silty SAND (80% sand, 20% silt), fine sand, gray, wet, no odor.	SM		100					
		21.7-22.7': Poorly graded SAND (100% sand), fine and medium sand, gray, wet, no odor.	SP							
		22.7-24.4': Silty SAND (80% sand, 20% silt), fine sand, gray, wet, no odor.	SM							
		24.4-25.0': Poorly graded SAND (100% sand), fine and medium sand, gray, wet, no odor.	SP				0.3	FB-07-24.0	X	
25					100					Bentonite
		27.3-28.0': SILT (100% silt), light brown, wet, no odor.	ML							
		28.0-32.5': Poorly graded SAND (100% sand), fine sand, light brown, wet, no odor.	SP				0.4	FB-07-29.0	X	
30					100					
							0.3	FB-07-31.5	X	
35										
40										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NM
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FB-08

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Y. Pehlivan

Date/Time Started: 12/21/19 1115
Date/Time Completed: 12/21/19 1215
Equipment: Geoprobe 7822DT
Drilling Company: AEC
Drilling Foreman: Chris Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 5.0
Total Boring Depth (ft bgs): 31.5
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.5': Pea gravel fill.	FILL	50					
		0.5-1.6': Fill material consisting of brick, rocks, sand, and silt (40% sand, 40% gravel, 20% silt), fine to coarse sand and gravel, reddish brown, wet, no odor.	FILL						
		1.6-2.5': Silty GRAVEL (60% gravel, 40% silt), fine gravel, black, wet, no odor. (Fill)	FILL			0.2	FB-08-2.5	X	
		2.5-5.0': No recovery.							
5		5.0-7.0': Well graded GRAVEL with sand (50% gravel, 45% sand, 5% silt), fine to coarse sand and gravel, brown, wet, no odor. (Fill)	FILL	86					Water Level
		7.0-8.0': Sandy SILT (60% silt, 40% sand), fine and medium sand, gray, wet, no odor. (Fill)	FILL						
		8.0-8.3': Wood debris, reddish brown. (Fill)	FILL			0.2	FB-08-8.0	X	
		8.3-8.8': Wood debris, grayish brown. (Fill)	FILL						
		8.8-9.3': Organic FILL (60% soil, 40% wood), abundant wood/mulch, reddish brown, moist, organic odor.	FILL						
10		9.3-10.0': No recovery.	FILL	100					Bentonite
		10.0-12.0': Wood debris, grayish brown. (Fill)							
		12.0-12.9': Organic FILL (50% soil, 50% wood), abundant wood/mulch, dark brown, organic odor.	FILL						
		12.9-13.6': Poorly graded SAND (100% sand), fine and medium sand, gray, wet, no odor. (Fill)	FILL			0.5	FB-08-13.0	X	
		13.6-14.3': Organic FILL (70% soil, 30% wood), some wood/mulch, reddish brown, moist, organic odor.	FILL / SP						
15		14.3-15.0': Poorly graded SAND (100% sand), fine and medium sand, grayish brown, wet, no odor.	SP	70					
		15.0-15.9': Poorly graded SAND (95% sand, 5% silt), fine and medium sand, grayish brown, wet, no odor.	ML						
		15.9-16.7': SILT (100% silt), gray, wet, no odor.	ML						
		16.7-17.2': Sandy SILT (70% silt, 30% sand), fine sand, gray, wet, no odor.	SP			0.4	FB-08-18.0	X	
		17.2-18.5': Poorly graded SAND (100% sand), fine and medium sand, gray, wet, no odor.							
20		18.5-20.0': No recovery.							

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NM
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FB-08

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Y. Pehlivan

Date/Time Started: 12/21/19 1115
Date/Time Completed: 12/21/19 1215
Equipment: Geoprobe 7822DT
Drilling Company: AEC
Drilling Foreman: Chris Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 5.0
Total Boring Depth (ft bgs): 31.5
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
	20.0-21.0': Poorly graded SAND (100% sand), fine and medium sand, gray, wet, no odor.	SP	100				
	21.0-22.0': Sandy SILT (70% silt, 30% sand), fine and medium sand, gray, wet, no odor.	ML					
	22.0-25.0': Sandy SILT (60% silt, 40% sand), fine and medium sand, gray, wet, no odor.	ML		0.4	FB-08-23.0		
25	25.0-27.0': Poorly graded SAND (95% sand, 5% silt), fine and medium sand, gray, wet, no odor.	SP	100				Bentonite
	27.0-28.0': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, gray, wet, no odor.	SP-SM					
	28.0-30.0': Poorly graded SAND (95% sand, 5% silt), fine and medium sand, gray, wet, no odor.	SP		0.5			
30	30.0-31.5': Sandy SILT (50% silt, 50% sand), fine sand, gray, wet, no odor.	ML	100	0.2	FB-08-30.5	X	
35							
40							

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NM
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FB-09

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Y. Pehlivan

Date/Time Started: 12/21/19 0945
Date/Time Completed: 12/21/19 1050
Equipment: Geoprobe 7822DT
Drilling Company: AEC
Drilling Foreman: Chris Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 3.0
Total Boring Depth (ft bgs): 33.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0.0-0.5': Pea gravel fill.	FILL	60				
	0.5-1.0': Silty SAND (70% sand, 30% silt), fine and medium sand, abundant wood debris, brown, moist, no odor. (Fill)	FILL					
	1.0-2.3': Well graded SAND with gravel (70% sand, 30% gravel), fine and coarse sand, fine gravel, interbedded brown, gray, and black, dry, no odor. (Fill)	FILL					
	2.3-3.0': Silty SAND (70% sand, 30% silt), fine and medium sand, abundant wood debris, reddish brown, moist, no odor. (Fill)	FILL					Water Level
	3.0-5.0': No recovery.						
5	5.0-7.0': Well graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to coarse sand, fine gravel, reddish brown, wet, no odor. (Fill)	FILL	60				
	7.0-8.0': Organic FILL (60% soil, 40% wood), abundant wood debris, dark brown, moist, organic odor.	FILL					
	8.0-10.0': No recovery.			0.3			
10	10.0-11.0': Wood debris (70% wood, 30% silt), grayish brown, wet, organic odor. (Fill)	FILL	66				Bentonite
	11.0-13.3': Organic FILL (60% soil, 40% wood), abundant wood debris, dark reddish brown, moist, organic odor.	FILL		0.4	FB-09-11.0	X	
	13.3-15.0': No recovery.						
15	15.0-16.4': Organic FILL (60% soil, 40% wood), abundant wood debris, dark reddish brown, moist, organic odor.	FILL	88	0.4	FB-09-15.0		
	16.4-19.4': Silty SAND (60% sand, 40% silt), fine and medium sand, grayish brown and browinsh gray, wet, no odor.	SM		0.3			
20	19.4-20.0': No recovery.						

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NM
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FB-09

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Y. Pehlivan

Date/Time Started: 12/21/19 0945
Date/Time Completed: 12/21/19 1050
Equipment: Geoprobe 7822DT
Drilling Company: AEC
Drilling Foreman: Chris Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 3.0
Total Boring Depth (ft bgs): 33.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		20.0-20.8': Silty SAND (70% sand, 30% silt), fine and medium sand, grayish brown, wet, no odor.	SM		60					
		20.8-23.0': Well-graded SAND with silt (90% sand, 10% silt), fine to coarse sand, grayish brown, wet, no odor.	SW-SM				0.9			
		23.0-25.0': No recovery.								
25		25.0-26.0': Poorly graded SAND (100% sand), fine and medium sand, gray, wet, no odor.	SP		100					Bentonite
		26.0-28.5': SILT (100% silt), gray, wet, no odor.	ML							
		28.5-29.0': SILT with sand (75% silt, 15% sand, 10% gravel), fine and medium sand, fine gravel, gray, wet, no odor.	ML							
		29.0-30.0': Poorly graded SAND (100% sand), fine sand, gray, wet, no odor.	SP				0.4			
30		30.0-31.4': Poorly graded SAND (100% sand), fine and medium sand, gray, wet, no odor.	SP		100					
		31.4-33.0': Sandy SILT (70% silt, 30% sand), fine sand, gray, wet, no odor.	ML							
							0.4	FB-09-33.0	X	
35										
40										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NM
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

Log of Boring: FMW-130

Client: Washington Builders LLC
Project: Block 43
Location: Block 38, Seattle, WA
Farallon PN: 397-010
Logged By: Dincer Kayhan

Date/Time Started:	7/21/14 @ 0945	**Sampler Type:**	PE Bags
Date/Time Completed:	7/22/14 @	**Drive Hammer (lbs.):**	Auto
Equipment:	Spider 1576	**Depth of Water ATD (ft bgs):**	5.7
Drilling Company:	Cascade Drilling	**Total Boring Depth (ft bgs):**	60.0
Drilling Foreman:	Zane Huckins	**Total Well Depth (ft bgs):**	55
Drilling Method:	Sonic		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.8': Asphalt (Cored).	AC							Concrete
		1.1-5.7': Wood debris mixed with black silty sand/sandy silt.	FILL					Air knife from 0.0-5.7' bgs.		
5		5.7-6.7': SILT (100% Silt), brown with alternating zones of black, wet, no odor.	FILL			1/1/1	0.6	SS-6.0 SPT		Water Level
		6.7-8.0': SILT (100% silt), alternating colors between brown, gray, and light gray, wet, organic odor, debris includes glass shards.	FILL		100		2.1	SS-5.0-7.5		
		8.0-8.9': Sandy SILT with gravel (70% silt, 15% sand, 15% gravel), fine to medium sand, coarse gravel, gray, no odor.	ML							
10		8.9-10.8': SILT (95% silt, 5% sand), fine sand, gray, wet, no odor.	ML				2.6	SS-7.5-10.0		Grout with Bentonite
		10.8-12.7': Sandy SILT (60% silt, 40% sand), fine sand, gray, wet, no odor.	ML			7/14/12	3.1	SS-11.0 SPT		
							5.2	SS-10.0-12.5		
		12.7-14.3': Silty SAND (70% sand, 30% silt), fine sand, coarse gravel <5%, gray, no odor, loose, moist.	SM		96					
							4.0	SS-12.5-14.8		
15		14.3-14.8': SILT (95% silt, 5% sand), fine sand, gray, wet, no odor.	ML							
		14.8-15.0': No recovery.								
		15.0-16.0': SILT (95% silt, 5% sand), fine sand, gray, wet, no odor.	ML			3/6/20	NM	SS-15.0-SPT		
		16.0-20.0': Silty SAND (70% sand, 30% silt), fine sand, loose, wet, strong moth ball-like odor.	SM		100		2.2	SS-15.0-17.5		
20								F-MW-130-GW1-072114 @ 1420		

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 45.0-55.0
Filter Pack: 10/20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA
Ground Surface Elevation (ft): 23
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA

Log of Boring: F-MW-130

Client: Washington Builders LLC
Project: Block 43
Location: Block 38, Seattle, WA
Farallon PN: 397-010
Logged By: Dincer Kayhan

Date/Time Started:	7/21/14 @ 0945	**Sampler Type:**	PE Bags
Date/Time Completed:	7/22/14 @	**Drive Hammer (lbs.):**	Auto
Equipment:	Spider 1576	**Depth of Water ATD (ft bgs):**	5.7
Drilling Company:	Cascade Drilling	**Total Boring Depth (ft bgs):**	60.0
Drilling Foreman:	Zane Huckins	**Total Well Depth (ft bgs):**	55
Drilling Method:	Sonic		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
20		20.0-21.2': Silty SAND (70% sand, 30% silt), fine sand, loose, wet, strong moth ball-like odor.	SM				27.7	F-MW-130-20.0-072114 @ 1300		
		21.2-23.5': SILT (90% silt, 5% sand, 5% gravel), fine sand, coarse gravel, gray, moist, no odor.	ML		70	4/6/5	NM	SS-21.0-SPT		
							4.6	SS-20.0-22.5		
							2.7	SS-22.5-23.5		
		23.5-25.0': No recovery.								
25		25.0-25.4': SILT (90% silt, 5% sand, 5% gravel), fine sand, coarse gravel, gray, moist, no odor.	ML							
		25.4-30.0': Silty SAND (60% sand, 40% silt), fine to medium sand, gray, moist, no odor, unit is more dense than previous silty sands.	SM		100	14/21 /47	NM	SS-26.0-SPT		
							2.2	SS-25.0-27.5		
		sand increased to 80% sand and 20% silt from 28.0-30.0' bgs, (zones of light brown toward 30.0' bgs).								
30							2.3	SS-27.5-30.0		Grout with Bentonite
		30.0-40.0': Well graded SAND with silt (90% sand, 10% silt), fine to medium sand, gray, moist, no odor.	SW-SM		100	5/4/1	NM	SS-31.0-SPT		
							2.9	SS-30.0-32.5		
35							3.2	SS-32.5-35.0		
					100		3.8	SS-35.0-37.5		
							2.9	SS-37.5-40.0		
40										

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	10/20 Sand	**Ground Surface Elevation (ft):**	23
Casing Diameter (inches):	2	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	45.0-55.0	**Boring Abandonment:**	NA		**Y:** NA

Log of Boring: F-MW-130

Client: Washington Builders LLC
Project: Block 43
Location: Block 38, Seattle, WA
Farallon PN: 397-010
Logged By: Dincer Kayhan

Date/Time Started:	7/21/14 @ 0945	**Sampler Type:**	PE Bags
Date/Time Completed:	7/22/14 @	**Drive Hammer (lbs.):**	Auto
Equipment:	Spider 1576	**Depth of Water ATD (ft bgs):**	5.7
Drilling Company:	Cascade Drilling	**Total Boring Depth (ft bgs):**	60.0
Drilling Foreman:	Zane Huckins	**Total Well Depth (ft bgs):**	55
Drilling Method:	Sonic		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Boring/Well Construction Details
40		Moisture content increased from previous 30.0-35.0' interval but still classified as moist.	SM			26.7	F-MW-130-40.0-072114 @ 1655 SS-40.7	Bentonite Seal
		40.0-40.7': Silty SAND (80% sand, 20% silt), fine to medium sand, gray, moist, no odor.						
		40.7-45.0': No recovery. Soil was not solid enough to collect due to water injection to combat heaving sands.		14				Sand Pack
45		45.0-49.5': Silty SAND (80% sand, 20% silt), fine to medium sand, gray, moist, no odor.	SM	90		173	F-MW-130-47.5-072214 @ 1000	
		49.5-50.0': No recovery.						
50		50.0-55.0': Well graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine to coarse sand and gravel, gray, wet, no odor, large cobbles present, natural wood debris present (bark and tree branch).	GW-GM	100		88.4	F-MW-130-50.0-072214 @ 1005	Screen
						8.5	SS-50.0-52.5	
						8.3	SS-52.5-55.0	
55		55.0-56.7: Well graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine to coarse sand and gravel, gray, wet, no odor.	GW-GM				F-MW-130-55.0-072214 @ 1325	Sand Pack
		56.7-60.0': Gravelly SILT (50% silt, 40% gravel, 10% sand), fine to coarse gravel and sand, gray, wet, no odor, cobbles present, gradational contact with unit above.	ML	100		12.8	SS-55.0-57.5	
60					10/18 /20	6.7 NM	SS-57.5-60.0 SS-60.0-SPT	Bentonite Seal

Well Construction Information

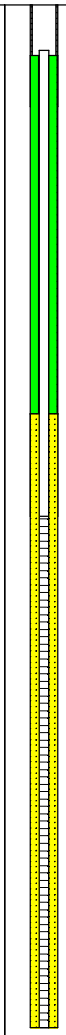
Monument Type:	Flush Mount	**Filter Pack:**	10/20 Sand	**Ground Surface Elevation (ft):**	23
Casing Diameter (inches):	2	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	45.0-55.0	**Boring Abandonment:**	NA		**Y:** NA

Log of Boring: FMW-132

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/24/2018 @ 1330	**Sampler Type:**	1.5 Split spoon
Date/Time Completed:	08/24/2018 @ 1530	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	7.5
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	10.0
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	10.0
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0	0.0-1.0': Concrete, tile and asphalt material.	CO					
	1.0-2.5': Poorly graded SAND with gravel (80% sand,15% gravel, 5% silt), medium to coarse sand, fine gravel, brown, dry, no odor. (Fill).	FILL			0.3	FMW-132-2.5-082418@1320	
5	5.0-6.5': Sandy SILT (60% sand, 30% silt, 10% gravel), fine sand, fine gravel, brown, dry, very loose, no odor. Fill material consisting of wood & glass debris. Some organic matter present. (Fill).	FILL	100	3 2 1	0.5	FMW-132-5.0-082418@1320	X
10	Drilling crew encountered unidentified hard object while attempting to sample at 10.0 ft bgs. Farallon decided to stop drilling operations and install monitoring well at 10.0 ft bgs.		NA	NA	NA	FMW-132-10.0-082418@1835	X



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica/Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	1.0	**Surface Seal:**	Grout/Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite/Grout	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	5.0-10.0	**Boring Abandonment:**	NA		**Y:** NA

Log of Boring: FMW-133

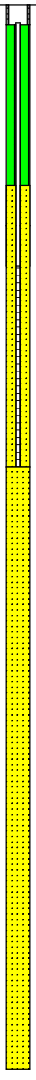
Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started:	08/24/2018 @ 1745	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/24/2018 @ 1902	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	9.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	26.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	11.5
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0	0.0-1.5': Concrete. Hand auger to clear for utilities.	CO					
	2.5-5.0': Poorly graded SAND with gravel (70% sand, 25% gravel, 5% silt), medium sand, fine gravel, dark brown, dry to moist, no odor. (Fill).	FILL					
5	5.0-6.5': No Recovery.		0	1 2 1	NA	No Sample	
10	10.0-11.5': SILT (90% silt, 10% sand), fine sand, brown, moist to wet, very soft, no odor. Wood debris present. (Fill).	FILL	100	1 1 1	0.5	FMW-133-10.0-082418@1835	X
15	15.0-16.5': Silty SAND (85% sand, 15% silt), fine sand, gray, moist, stiff, no odor.	SM	100	4 5 6	0.3	FMW-133-15.0-082418@1849	
20	20.0-21.5': Poorly graded SAND (95% sand, 5% silt), medium to coarse sand, gray, wet, medium dense, wet, no odor.	SP	100	6 8 11	0.4	FMW-133-20.0-082418@1852	X
25	25.0-26.5': Poorly graded SAND (95% sand, 5% silt), fine to medium sand, gray, wet, very dense, no odor.	SP	100	18 21 30	0.4	FMW-133-25.0-082418@1902	



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica/Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	1.0	**Surface Seal:**	Grout/Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.01	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	6.5 - 11.5	**Boring Abandonment:**	NA		**Y:** NA

Log of Boring: FMW-134

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started:	08/24/2018 @ 0700	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/24/2018 @ 1030	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	13.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	20.0
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	17.0
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.5': Concrete. Hand auger to clear for utilities.	CO							Monument
		0.5-2.5': Sandy SILT (50% silt, 40% sand, 10% gravel), fine to coarse sand, fine gravel, dark brown, moist, organic odor.	ML							
5		5.0-6.5': SILT (90% silt, 10% sand), fine sand, brown, moist to wet, medium stiff, organic odor. Organic matter present.	ML		100	2 1 4	0.1	FMW-134-5.0-082318@0710	X	Bentonite
10		10.0-11.0': SILT (90% silt, 10% sand), fine sand, gray, medium stiff, moist, no odor.	ML		100	2 3 5	0.0	FMW-134-10.0-082318@0720		
		11.0-11.5': Poorly-graded SAND (100% sand), fine to medium sand, gray, loose, moist, no odor.	SP							Sand Pack Water Level
15		15.0-16.5': Silty SAND (85% sand, 15% silt), fine to medium sand, grey, wet, medium dense, no odor.	SM		100	8 11 11	0.3	FMW-134-15.0-082318@0730	X	Pre-Packed Screen
										Sand Pack
20		20.0-21.5': Poorly graded SAND (100% sand), medium sand, grey, wet, medium dense, wet, no odor.	SP-SM		100	10 13 17	0.1	FMW-134-20.0-082318@0750		
25		Refusal at 25.0' bgs due to heaving sands.								

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica/Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	1.0	**Surface Seal:**	Grout/Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite/Grout	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	12.0-17.0	**Boring Abandonment:**	NA		**Y:** NA

Log of Boring: FMW-135

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/24/2018 @ 0700	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/24/2018 @ 0950	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	8.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	51.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	12.0
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Concrete. Hand auger to clear for utilities.	CO							Monument
5		5.0-6.0': Silty SAND (60% sand, 30% silt,10% gravel), fine to coarse sand, fine gravel, brown, moist to wet, very loose, no odor. (Fill).	FILL		100	1 1 2	0.1	FMW-135-5.0-082418@0735	X	Bentonite
		6.0-6.5': SILT (90% silt, 10% sand), fine sand, grayish brown, moist to wet, soft, no odor. (Fill).	FILL							Sand Pack
10		10.0-11.5': Poor recovery. Wood debris throughout entire core sample. (Fill).	FILL		NA	9 6 5	0.5	No Sample		Water Level Pre-Packed Screen
15		15.0-15.9': SILT (100% silt), dark brown, moist, medium stiff, no odor.	ML		100	2 3 4	3.5	FMW-135-15.0-082418@0750	X	
		15.9-16.5': Silty SAND (70% sand, 30% silt), fine sand, gray, moist, loose, no odor.	SM							
20		20.0-20.8': Poorly-graded SAND (100% sand), medium to coarse sand, gray, wet, loose, organic odor.	SP		100	1 4 3	1.2	FMW-135-20.0-082418@0810		
		20.8-21.5': SILT (90% silt, 10% sand), medium sand, gray, moist to wet, medium stiff, organic odor.	ML							
25		25.0-26.5': Silty SAND (55% sand, 40% silt, 5% gravel), fine sand, fine gravel, gray, wet, loose, organic odor.	SM		100	2 4 6	1.0	FMW-135-25.0-082418@0823	X	

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica/Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	1.0	**Surface Seal:**	Grout/Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite/Grout	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	7.0-12.0	**Boring Abandonment:**	NA		**Y:** NA

FARALLON CONSULTING

Log of Boring: FMW-135

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/24/2018 @ 0700	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/24/2018 @ 0950	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	8.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	51.5
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	12.0
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
30		30.0-31.5': Silty SAND (70% sand, 30% silt), fine sand, gray, moist, medium dense, no odor.	SM		100	9 13 15	1.1	FMW-135-30.0-082418@0835	X	
35		35.0-36.5': Silty SAND (60% sand, 40% silt), fine sand, gray, moist, dense, no odor.	SM		100	15 21 24	0.9	FMW-135-35.0-082418@0850	X	
40		40.0-41.5': Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, grayish brown, moist, very dense, no odor.	SP-SM		100	22 32 38	1.0	FMW-135-40.0-082418@0915		
45		45.0-46.5': Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, grayish brown, moist, very dense, no odor.	SP-SM		100	19 26 32	0.9	FMW-135-45.0-082418@0930		
50		50.0-51.5': Well-graded SAND with gravel (70% sand, 25% gravel, 5% silt), fine to coarse sand, fine gravel, moist to wet, dense, no odor.	SW		100	15 21 18	1.0	FMW-135-50.0-082418@0950	X	

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 1.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 7.0-12.0

Filter Pack: Silica/Sand
Surface Seal: Grout/Concrete
Annular Seal: Bentonite/Grout
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA, Y: NA

Log of Boring: FMW-136

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, WA
Farallon PN: 397-019
Logged By: Greg Peters

Date/Time Started:	08/22/2018 @ 1310	**Sampler Type:**	1.5 Split Spoon
Date/Time Completed:	08/22/2018 @ 1400	**Drive Hammer (lbs.):**	140
Equipment:	Mini-track	**Depth of Water ATD (ft bgs):**	18.0
Drilling Company:	Geologic Drilling	**Total Boring Depth (ft bgs):**	40.0
Drilling Foreman:	Blaine Gibson	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hollow Stem Auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.5': Concrete. Hand auger to clear for utilities.	CO							Monument
5		5.0-6.5': Sandy SILT (70% silt, 30% sand), fine to medium sand, dark brown, moist, soft, no odor. Wood debris and organic matter present. (Fill).	FILL		100	1 2 2	0.7	FMW-136-5.0-082218@1315		
10		10.0-11.5': Sandy SILT (60% silt, 40% sand), fine sand, gray, moist, stiff, no odor.	ML		100	3 6 5	0.8	FMW-136-10.0-082218@1320	X	Bentonite
15		15.0-16.5': Silty SAND (60% sand, 40% silt), fine sand, gray, moist, medium dense, no odor.	SM		100	8 10 14	0.6	FMW-136-15.0-082218@1330		Water Level
20		20.0-21.5': Silty SAND (80% sand, 20% silt), fine to medium sand, grayish brown, moist to wet, medium dense, no odor.	SM		100	18 13 12	0.8	FMW-136-20.0-082218@1345	X	
25		25.0-26.5': Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, grayish brown, wet, medium dense, no odor.	SP-SM		100	4 10 16	1.3	FMW-136-25.0-082218@1355		Sand Pack
30		30.0-31.5': Poorly-graded SAND (100% sand), fine sand, grayish brown, wet, dense, no odor.	SP		100	6 12 19	1.0	FMW-136-30.0-082218@1400	X	
35		No sample recovery beyond 30.0' bgs due to heaving sands.								Pre-Packed Screen
40										

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica/Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	1.0	**Surface Seal:**	Grout/Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite/Grout	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	30.0- 40.0	**Boring Abandonment:**	NA		**Y:** NA

FARALLON CONSULTING

Log of Boring: FMW-144

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/20/19 0910
Date/Time Completed: 12/20/19 1230
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 33.0
Total Well Depth (ft bgs): 43.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-2.0': Fill consisting of concrete, asphalt, wood, and metal debris.	FILL		80					Concrete
		2.0-4.0': Silty SAND (70% sand, 20% silt, 10% gravel), grayish brown, fine to coarse sand, moist, no odor.	SM							
		4.0-5.0': No recovery.								
5		5.0-9.0': Well graded SAND with silt and gravel (80% sand, 10% silt, 10% gravel), fine to coarse sand and gravel, grayish brown, moist, no odor, some wood debris.	SW-SM		80					
		9.0-10.0': No recovery.					1.2	FMW-144-9.0	X	
10		10.0-12.5': SILT with sand (80% silt, 20% sand), fine sand, gray, moist, no odor.	ML		100					Bentonite
		12.5-15.0': Silty SAND (80% sand, 20% silt), fine and medium sand, gray, moist, no odor.	SM							
15		15.0-20.0': Sandy SILT (70% silt, 30% sand), fine sand, gray, wet, no odor.	ML		100					Water Level
20		20.0-25.0': Silty SAND (60% sand, 40% silt), fine sand, gray, wet, no odor.	SM		100					
25										

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 38.0-43.0

Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 29.70
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 301

FARALLON CONSULTING

Log of Boring: FMW-144

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/20/19 0910
Date/Time Completed: 12/20/19 1230
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 33.0
Total Well Depth (ft bgs): 43.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		25.0-30.0': Silty SAND (80% sand, 20% silt), fine sand, gray, moist to wet, no odor.	SM		100		0.0			
30		30.0-35.0': Poorly graded SAND with silt (90% sand, 10% silt), fine and medium sand, grayish brown, moist, no odor.	SP-SM		100		0.0			Bentonite
35		35.0-40.0': Poorly graded SAND with silt (90% sand, 10% silt), medium sand, grayish brown, moist, no odor.	SP-SM		100		0.0			Sand Pack
40		40.0-43.0': Poorly graded SAND with silt (90% sand, 10% silt), medium sand, grayish brown, moist, no odor.	SP-SM		100					Well Screen
45										
50										

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 38.0-43.0

Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 29.70
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 301

FARALLON CONSULTING

Log of Boring: FMW-145

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/20/19 1245
Date/Time Completed: 12/20/19 1600
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 10.0
Total Boring Depth (ft bgs): 36.0
Total Well Depth (ft bgs): 36.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': No recovery.			0					Concrete
5		5.0-10.0': No recovery.			0					Bentonite
10		10.0-15.0': Silty SAND (60% sand, 20% silt, 10% gravel), fine sand and gravel, brown, moist to wet, some wood debris, slight hydrocarbon-like odor.	SM		100		1.2	FMW-145-13.0	X	Water Level
15		15.0-19.0': Silty SAND (60% sand, 40% silt), fine sand, brownish gray, moist to wet, some organic material, hydrocarbon-like odor.	SM		80		0.8	FMW-145-18.0	X	
20		19.0-20.0': No recovery.								

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 31.0-36.0
Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA
Ground Surface Elevation (ft): 23.0
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 302

FARALLON CONSULTING

Log of Boring: FMW-145

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/20/19 1245
Date/Time Completed: 12/20/19 1600
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 10.0
Total Boring Depth (ft bgs): 36.0
Total Well Depth (ft bgs): 36.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		20.0-25.0': Silty SAND (60% sand, 40% silt), fine and medium sand, gray, moist to wet, no odor.	SM		100		0.2	FMW-145-23.0	X	
		25.0-30.0': Silty SAND (80% sand, 20% silt), fine and medium sand, gray, moist to wet, no odor.	SM		100		0.2	FMW-145-28.0	X	Bentonite
30		30.0-36.0': Poorly graded SAND with silt (90% sand, 10% silt), fine and medium sand, moist, no odor.	SP-SM		100		0.1	FMW-145-33.0	X	Sand Pack
35										Well Screen
40										

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 31.0-36.0

Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 23.0
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 302

FARALLON CONSULTING

Log of Boring: FMW-146

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/21/19 0945
Date/Time Completed: 12/21/19 1145
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25
Total Boring Depth (ft bgs): 36.0
Total Well Depth (ft bgs): 36.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-2.0': Fill consisting of concrete and asphalt debris.	FILL		100					Concrete
		2.0-10.0': PEAT (70% organics, 30% silt), abundant wood debris, dark brown, moist, organic odor.	PT				0.4			
5										Bentonite
10		10.0-15.0': Silty SAND (60% sand, 40% silt), fine and medium sand, gray, moist, organic odor.	SM		100		1.0	FMW-146-13.0	X	
15		15.0-20.0': Silty SAND (70% sand, 30% silt), fine and medium sand, gray, moist, organic odor.	SM		100		0.5	FMW-146-18.0	X	
20										

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 31.0-36.0

Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 23.65
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 303

FARALLON CONSULTING

Log of Boring: FMW-146

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/21/19 0945
Date/Time Completed: 12/21/19 1145
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25
Total Boring Depth (ft bgs): 36.0
Total Well Depth (ft bgs): 36.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		20.0-25.0': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, no odor.	SM		100					Bentonite
30		25.0-30.0': Poorly graded SAND with silt (90% sand, 10% silt), fine and medium sand, gray, moist to wet, no odor.	SP-SM		100					Water Level
35		30.0-36.0': Poorly graded SAND with silt (90% sand, 10% silt), fine and medium sand, grayish brown, moist, no odor.	SP-SM		100					Sand Pack
40										Well Screen

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 31.0-36.0

Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 23.65
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 303

FARALLON CONSULTING

Log of Boring: FMW-147

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/21/19 1328
Date/Time Completed: 12/21/19 1600
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 10.0
Total Boring Depth (ft bgs): 36.0
Total Well Depth (ft bgs): 36.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-3.0': Poorly graded SAND with gravel (60% sand, 40% gravel), coarse sand, fine gravel, brown, moist, no odor.	SP		100					Concrete
		3.0-10.0': Organic SOIL (60% soil, 30% wood, 10% gravel), abundant wood debris, dark brown, moist, organic odor.	OL							
5										
							0.4	FMW-147-8.5	X	Bentonite
10		10.0-20.0': Silty SAND (80% sand, 20% silt), fine and medium sand, gray, moist to wet, no odor.	SM		100					Water Level
							0.2	FMW-147-13.5	X	
15										
20										

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 31.0-36.0

Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 23.50
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 304

FARALLON CONSULTING

Log of Boring: FMW-147

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/21/19 1328
Date/Time Completed: 12/21/19 1600
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 10.0
Total Boring Depth (ft bgs): 36.0
Total Well Depth (ft bgs): 36.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		20.0-30.0': Poorly graded SAND with silt (90% sand, 10% silt), fine and medium sand, gray, moist to wet, no odor.	SP-SM		100		0.2	FMW-147-23.5	X	Bentonite
30		30.0-36.0': Poorly graded SAND (95% sand, 5% gravel), medium sand, fine gravel, grayish brown, moist, no odor.	SP		100		0.1	FMW-147-30.5	X	Sand Pack Well Screen
35										
40										

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 31.0-36.0
Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA
Ground Surface Elevation (ft): 23.50
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 304

Log of Boring: FMW-149

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/21/19 1600
Date/Time Completed: 12/22/19 1215
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 20.0
Total Boring Depth (ft bgs): 49.0
Total Well Depth (ft bgs): 49.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-10.0': Fill consisting of concrete, asphalt, and gravel debris.	FILL		100					Concrete
10		10.0-15.0': Silty SAND (70% sand, 20% silt, 10% gravel), fine to coarse sand, grayish brown, moist, no odor.	SM		100		0.2			Bentonite
15		15.0-20.0': SILT with sand (70% silt, 15% sand, 15% organics), fine sand, moist, grayish brown, organic odor, some wood debris.	ML		100		0.3	FMW-149-16.0		
20		20.0-25.0': Silty SAND (70% sand, 30% silt), fine and medium sand, gray, moist to wet, no odor.	SM		100		0.0	FMW-149-21.0	X	Water Level
25										

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 44.0-49.0

Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 36.00
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 305

Log of Boring: FMW-149

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/21/19 1600
Date/Time Completed: 12/22/19 1215
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 20.0
Total Boring Depth (ft bgs): 49.0
Total Well Depth (ft bgs): 49.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
30		25.0-30.0': Poorly graded SAND with silt (90% sand, 10% silt), medium sand, gray, moist to wet, no odor.	SP-SM		100					
		30.0-40.0': Poorly graded SAND with silt (90% sand, 10% silt), medium sand, grayish brown, wet, no odor.	SP-SM		100		0.4	FMW-149-31.0	X	Bentonite
35							0.0	FMW-149-36.0		
40		40.0-45.0': Poorly graded SAND with silt (90% sand, 10% silt), medium sand, brown, moist, no odor.	SP-SM		100		0.1	FMW-149-41.0	X	
							0.2	FMW-149-43.5	X	
45		45.0-49.0': Poorly graded SAND with gravel (80% sand, 15% gravel, 5% silt), coarse sand, fine gravel, gray, moist to wet, no odor.	SP		100					Sand Pack Well Screen
50										

Well Construction Information

Monument Type: Flush
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 44.0-49.0

Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 36.00
Top of Casing Elevation (ft): NM
Surveyed Location: **X:** NM **Y:** NM
Unique Well ID: BLY 305

Log of Boring: FMW-148

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/22/19 1300
Date/Time Completed: 12/22/19 1600
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 50.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-10.0': Fill consisting of concrete, asphalt, and gravel debris.	FILL		100					
10		10.0-15.0': SILT (60% silt, 30% organics, 10% sand), fine sand, dark brown, moist, organic odor.	ML		100					
15		15.0-20.0': SILT (70% silt, 20% organics, 10% sand), moist, organic odor.	ML		100		0.1	FMW-148-17.0		
20										Bentonite

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): 37.43
Top of Casing Elevation (ft): NA
Surveyed Location: X: NM Y: NM
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FMW-148

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/22/19 1300
Date/Time Completed: 12/22/19 1600
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 50.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		20.0-23.0': PEAT (80% organics, 20% silt), brown, moist, organic odor.	PT		100		0.3	FMW-148-22.0		
		23.0-25.0': Silty SAND (70% sand, 30% silt), fine and medium sand, gray, moist, no odor.	SM							
25		25.0-30.0': Silty SAND (80% sand, 20% silt), fine and medium sand, gray, moist to wet, no odor.	SM		100		0.1	FMW-148-27.0	X	▼ Water Level
30		30.0-40.0': Poorly graded SAND with SILT (90% sand, 10% silt), fine and medium sand, gray, moist to wet, no odor.	SP-SM		100					Bentonite
35										
40										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): 37.43
Top of Casing Elevation (ft): NA
Surveyed Location: X: NM Y: NM
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FMW-148

Client: City Investors IX LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G. Peters

Date/Time Started: 12/22/19 1300
Date/Time Completed: 12/22/19 1600
Equipment: TSi 150
Drilling Company: AEC
Drilling Foreman: Andrew Flagan
Drilling Method: Sonic

Sampler Type: 10' Core Barrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 50.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
45		40.0-50.0': Poorly graded SAND (100% sand), medium sand, brown, moist, no odor.	SP		100					
50										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): 37.43
Top of Casing Elevation (ft): NA
Surveyed Location: X: NM Y: NM
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FMW-150

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: 7/7/20 @ 0720
Date/Time Completed: 7/7/20 @ 0800
Equipment: FA130
Drilling Company: Malcom Drilling
Drilling Foreman: Chris Hansen
Drilling Method: Air Rotary

Sampler Type: NA
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 7.0
Total Well Depth (ft bgs): 7.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly-graded SAND (100% sand), fine sand, gray-brown, moist, no odor.	SP							Concrete
										Bentonite
										Sand Pack
5		5.0-7.0': Poorly-graded SAND (100% sand), fine sand, gray, moist, no odor.	SP				0.0	FMW-152-(-11.0)		Screen
							0.0			

Well Construction Information

Monument Type: NA
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.01
Screened Interval (ft bgs): -8.0 - (-13.0)
Filter Pack: 12/20 sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: NA
Ground Surface Elevation (ft): 6.0
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

Log of Boring: FMW-151

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: 6/29/20 @ 0800
Date/Time Completed: 6/29/20 @ 1230
Equipment: FA130
Drilling Company: Malcom Drilling
Drilling Foreman: Chris Hansen
Drilling Method: Air Rotary

Sampler Type: NA
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 7.0
Total Well Depth (ft bgs): 7.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Well-graded SAND (100% sand), fine to mediumsand, brown, moist, no odor.	SW							Concrete; Bentonite; Sand Pack
5		5.0-7.0': Well-graded SAND (100% sand), fine to mediumsand, brown, moist, no odor.	SW				0.0	FMW-151-(-11.0)		Screen
							0.0			

Well Construction Information

Monument Type: NA
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.01
Screened Interval (ft bgs): -9.0 - (-14.0)
Filter Pack: 12/20 sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: NA
Ground Surface Elevation (ft): 7.0
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FMW-152

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: 6/25/20 @ 1030
Date/Time Completed: 6/25/20 @ 1200
Equipment: FA130
Drilling Company: Malcom Drilling
Drilling Foreman: Chris Hansen
Drilling Method: Air Rotary

Sampler Type: NA
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 7.0
Total Well Depth (ft bgs): 7.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Concrete.	CO							Concrete
		0.3-5.0': Silty SAND (85% sand, 15% silt), fine sand, gray, moist, no odor.	SM							Bentonite
										Sand Pack
5		5.0-7.0": Poorly-graded SAND (90% sand, 10% silt), fine sand, gray, moist, no odor.	SP				0.9	FMW-152-(-11.0)		Screen
							0.4	FMW-152-(-13.0)		

Well Construction Information

Monument Type: NA
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.01
Screened Interval (ft bgs): -8.0 - (-13.0)
Filter Pack: 12/20 sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: NA
Ground Surface Elevation (ft): 6.0
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FMW-153

Client: City Investors IX LLC
Project: Block 38 West Property
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: Greg Peters

Date/Time Started: 7/7/20 @ 0830
Date/Time Completed: 7/7/20 @ 0900
Equipment: FA130
Drilling Company: Malcom Drilling
Drilling Foreman: Chris Hansen
Drilling Method: Air Rotary

Sampler Type: NA
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 7.0
Total Well Depth (ft bgs): 7.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly-graded SAND (90% sand, 10% gravel), fine sand, fine gravel, gray, moist, no odor.	SP							Concrete
										Bentonite
										Sand Pack
5		5.0-7.0': Poorly-graded SAND with gravel (85% sand, 15% gravel), fine sand, medium gravel, gray, moist, no odor.	SP				0.0	FMW-153-(-11.0)		
										Screen
							0.1			

Well Construction Information

Monument Type: NA
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.01
Screened Interval (ft bgs): -8.0 - (-13.0)
Filter Pack: 12/20 sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: NA
Ground Surface Elevation (ft): 6.0
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Test Pit: TP-2

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	12/19/19 @ 0900	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	12/19/19 @ 1100	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	25.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	23.0
Excavating Method:	Excavator Bucket	**Backfill Material:**	Fill and Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-5.0': Poorly-graded SAND (80% sand, 10% gravel, 10% silt), fine to medium sand, brown, moist, no odor.	SP		0.0	TP-2-20.0	X
5		5.0-5.5': Silty SAND (70% sand, 20% silt, 10% gravel), fine sand, grayish brown, moist, strong hydrocarbon odor. Oil staining, sheen on soil, wood debris throughout.	SM		38.6	TP-2-15.0	X
10		10.0-10.5': SILT with sand (80% silt, 20% sand), fine sand, gray, moist, no odor.	ML		0.2	TP-2-10.0	X
15		15.0-15.5': Poorly-graded SAND (90% sand, 10% silt), fine to medium sand, gray, moist, no odor.	SP		0.1	TP-2-5.0	X
20		20.0-25.0': Poorly-graded SAND (90% sand, 10% silt), fine to medium sand, gray, moist, no odor.	SP		0.3	TP-2-0.0	
25							

Log of Test Pit: TP-3

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	12/19/19 @ 0900	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	12/19/19 @ 1100	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	25.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	20.0
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': Silty SAND (70% sand, 25% silt, 5% gravel), fine to medium sand, grayish brown, moist, no odor.	SM		0.0	TP-3-20.0	X
5		5.0-5.5': PEAT (80% peat, 20% silt), brown, moist, organic odor.	PT		0.2	TP-3-15.0	X
10		10.0-10.5': PEAT (80% peat, 20% silt), brown, moist, organic odor.	PT		0.3	TP-3-10.0	
15							

FARALLON CONSULTING

Log of Test Pit: TP-7

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	12/23/19 @ 1000	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	12/23/19 @ 1030	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	10.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0							
		4.0-4.5': Peat (80% Peat, 20% silt), dark brown, moist, organic odor.	PT		0.0	TP-7-4.0	X
5							
10		10.0-10.5': SILT with sand (80% silt, 20% sand), brown, moist, organic odor.	ML		0.1	TP-7-10.0	
15							

FARALLON CONSULTING

Log of Test Pit: TP-10

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/11/20 @ 0840	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/11/20 @ 0850	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': Silty SAND (60% sand, 20% silt, 20% orgaincs), fine sand, brown, moist, no odor.	SM		0.5	TP-10-20.0	X
5		5.0-5.5': PEAT (100%), dark brown, moist, organic odor.	PT		0.2	TP-10-15.0	X
10		10.0-10.5': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, no odor.	SM		0.1	TP-10-10.0	X
15							

FARALLON CONSULTING

Log of Test Pit: TP-11

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/4/20 @ 0920	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/11/20 @ 0945	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': Silty SAND (70% sand, 20% silt, 10% gravel), medium to coarse sand, brown, moist, no odor.	SM		0.1	TP-11-20.0	X
5		5.0-5.5': PEAT (60% peat, 30% silt, 10% sand), fine sand, dark brown, moist, organic odor.	PT		0.5	TP-11-15.0	X
10		10.0-10.5': SILT (90% silt, 10% sand), gray, moist, no odor.	ML		0.1	TP-11-10.0	X
15							

FARALLON CONSULTING

Log of Test Pit: TP-12

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/7/20 @ 1000	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/7/20 @ 1020	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': Silty SAND (70% sand, 25% silt, 5% gravel), medium to coarse sand, brown, moist, no odor.	SM		0.1	TP-12-20.0	X
5		5.0-5.5': PEAT (80% peat, 20% silt), brown, moist, organic odor. Wood debris.	PT		0.2	TP-12-15.0	X
10		10.0-10.5': Poorly-graded SAND (90% sand, 10% silt), fine sand, gray, moist, no odor.	SP		0.1	TP-12-10.0	X
15							

FARALLON CONSULTING

Log of Test Pit: TP-13

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/7/20 @ 1030	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/7/20 @ 1050	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': Silty SAND (60% sand, 40% silt), fine sand, brown, moist, strong organic odor.	SM		4.8	TP-13-23.0	
		3.0-3.5': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, no odor.	SM		0.2	TP-13-20.0	X
5		5.0-5.5': PEAT (60% peat, 40% silt), gay-brown, moist, organic odor.	PT		0.4	TP-13-15.0	X
10		10.0-10.5': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, no odor.	SP		2.2	TP-13-10.0	
15							

FARALLON CONSULTING

Log of Test Pit: TP-14

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/14/20 @ 1100	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/14/20 @ 1120	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	19.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': SILT (60% silt, 40% organics), fine sand, brown, moist, strong organic odor.	ML		1.2	TP-14-20.0	X
5		5.0-5.5': Silty SAND (80% sand, 20% silt), fine sand, brown, no odor. Wood debris.	SM		0.3	TP-14-15.0	X
10		10.0-10.5': Silty SAND (70% sand, 30% silt), fine sand, gray, moist, no odor.	SM		0.3	TP-14-10.0	X
15							

FARALLON CONSULTING

Log of Test Pit: TP-15

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/14/20 @ 1100	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/14/20 @ 1120	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	19.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': PEAT (80% peat, 20% organics), brown, moist, strong no odor.	PT		0.3	TP-15-20.0	X
5		5.0-5.5': Silty SAND (60% sand, 25% silt, 15% organics), fine sand, brown, no odor. Wood debris.	SM		0.3	TP-15-15.0	X
10		10.0-10.5': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, no odor.	SM		0.5	TP-15-10.0	X
15							

FARALLON CONSULTING

Log of Test Pit: TP-16

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/14/20 @ 1135	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/14/20 @ 1145	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	19.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': SILT (70% silt, 30% organics), brown, moist, organic odor.	PT		0.8	TP-16-20.0	X
5		5.0-5.5': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, no odor.	SM		4.8	TP-16-15.0	X
10		10.0-10.5': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, no odor.	SM		1.0	TP-16-10.0	X
15							

FARALLON CONSULTING

Log of Test Pit: TP-17

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/18/20 @ 1400	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/25/20 @ 1500	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': PEAT (80% peat, 20% organics), dark brown, moist, no odor.	PT		3.6	TP-17-20.0	X
5		5.0-5.5': Silty SAND (80% sand, 20% silt), fine sand, gray, moist, no odor.	SM		0.6	TP-17-15.0	X
10		10.0-10.5': Poorly-graded SAND (90% sand, 10% silt), fine sand, gray, moist, no odor.	SP		0.8	TP-17-10.0	X
15							

FARALLON CONSULTING

Log of Test Pit: TP-18

Client: City Investors IX, LLC
Project: Block 38 West
Location: Seattle, Washington

Farallon PN: 397-019

Logged By: G.Peters

Date/Time Started:	2/19/20 @ 1330	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	2/19/20 @ 1350	**Depth of Water (ft bgs):**	NE
Equipment:	Excavator	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	HOS Bros.	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Glen Franklin	**Ground Surface Elevation (ft):**	NM
Excavating Method:	Excavator Bucket	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': ORGANICS (90% organics, 10% peat), brown, moist, no odor. Wood debris.	OL		1.4	TP-18-20.0	X
5		5.0-5.5': PEAT (80% peat, 10% organics), fine sand, gray, moist, no odor.	PT		1.6	TP-18-15.0	X
10		10.0-10.5': Poorly-graded SAND (100% sand), fine sand, gray, moist, no odor.	SP		0.6	TP-18-10.0	X
15							