Electronic Copy

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Region Office
PO Box 330316, Shoreline, WA 98133-9716 • 206-594-0000

September 28, 2023

Steve Yoon
Northeast 85th Street Development, LLC
1417 116th Avenue NE, Suite 208
Bellevue, WA 98004
(syoon@mcrtrust.com)

Re: No Further Action opinion for the following contaminated Site

Site name:	Modera River Trail
Site address:	15801 & 15945 NE 85th Street, Redmond, WA 98052
Facility/Site ID:	75292
Cleanup Site ID:	15281
VCP Project No.:	NW3292

Dear Steve Yoon:

The Washington State Department of Ecology (Ecology) received your request on November 4, 2022 for an opinion regarding the sufficiency of your independent cleanup of the Modera River Trail facility (Site) under the Voluntary Cleanup Program (VCP).[1] This letter provides our opinion and analysis. We are providing this opinion under the authority of the Model Toxics Control Act (MTCA), Chapter 70A.305 RCW.[2]

Opinion

Ecology has determined that no further remedial action is necessary to clean up contamination at the Site.

This opinion depends on the continued performance and effectiveness of the post-cleanup controls and monitoring specified in this letter and in the environmental covenant in **Enclosure A**.

[1] https://ecology.wa.gov/Spills-Cleanup/Contamination-cleanup/Voluntary-Cleanup-Program
[2] https://app.leg.wa.gov/RCW/default.aspx?cite=70A.305

Ecology bases this opinion on an analysis of whether the remedial action meets the substantive requirements of MTCA and its implementing regulations, which are specified in Chapter 70A.305 RCW and Chapter 173-340 WAC[3] (collectively called "MTCA").

Site Description

This opinion applies only to the Site described below. The Site is defined by the nature and extent of contamination associated with the following releases:

- Naphthalenes and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) in soil.
- Naphthalenes in soil vapor.

Enclosure B includes Site description, history, and diagrams.

Please note that releases from multiple sites can affect a parcel of real property. At this time, Ecology has no information that other sites affect the parcel associated with this Site.

Basis for the Opinion

Ecology bases this opinion on information in the documents listed in **Enclosure C**. You can request these documents by filing a records request.[4] For help making a request, contact the Public Records Officer at recordsofficer@ecy.wa.gov or call (360) 407-6040. Before making a request, check if the documents are available on the Site webpage.[5]

This opinion is void if information in any of the listed documents is materially false or misleading.

Analysis of the Cleanup

Ecology has concluded that no further remedial action is necessary to clean up contamination at the Site. Ecology bases its conclusion on the following analysis:

Characterizing the Site

Ecology has determined your completed Site characterization is sufficient for setting cleanup standards and selecting a cleanup action. **Enclosure B** describes the Site.

The contamination is sourced from approximately 50 timber piles preserved with creosote. Soil in the vicinity of the piles is contaminated with naphthalenes and cPAHs. Soil samples collected from 2019 to 2021 sufficiently defined the lateral and vertical extent of the residual soil

[3] https://apps.leg.wa.gov/WAC/default.aspx?cite=173-340

[4] https://ecology.wa.gov/About-us/Accountability-transparency/Public-records-requests

[5] https://apps.ecology.wa.gov/cleanupsearch/site/15281

contamination at the Site. Soil contamination is confined within the upper 6 feet beneath the northwest portion of the current building.

From 2019 to 2022, groundwater samples were collected from two existing monitoring wells MW-1 and MW-2, three former monitoring wells B-1, B-2, and B-4, and six temporary wells DPT-1 through DPT-6. Groundwater sampling results are all below the MTCA Method A groundwater cleanup levels for naphthalenes and cPAHs. These results indicate that groundwater is not adversely impacted by the residual soil contamination at the Site.

Soil vapor samples were collected from five soil vapor probes which indicated a potential vapor intrusion (VI) risk to the current building. A vapor barrier was then installed beneath the building. Indoor air samples were collected at two locations inside the first floor of the building during cold and warm seasons. The indoor air sampling results were below the MTCA air cleanup levels, indicating the indoor air quality is not adversely impacted by VI.

Setting cleanup standards

Ecology has determined the cleanup levels and points of compliance you set for the Site meet the substantive requirements of MTCA.

Cleanup Levels

Soil

The Site meets the terrestrial ecological evaluation (TEE) exclusion criteria in accordance with WAC 173-340-7491(1)(c). There are less than 1.5 acres of contiguous undeveloped land on or within 500 feet of the Site.

Because the Site is not an industrial property, soil cleanup levels for unrestricted land uses are appropriate. MTCA Method A soil cleanup levels based on protection of groundwater are appropriate. These cleanup levels are available in WAC 173-340-900 Table 740-1.

Groundwater

The highest beneficial use for groundwater under MTCA is a drinking water source, unless it can be demonstrated that the groundwater is not potable. MTCA Method A groundwater cleanup levels are protective of potable use, and are selected as the cleanup levels for groundwater at the Site. These Method A groundwater cleanup levels are available in WAC 173-340-900 Table 720-1.

Air

Air cleanup levels are necessary to protect against VI into the existing building at the Site. The MTCA Method B sub-slab soil gas screening levels are appropriate for the sub-slab soil gas samples collected at the Site. The MTCA Method B air cleanup levels are appropriate for indoor

and ambient air samples collected at the Site. These Method B cleanup and screening levels are available in Ecology's CLARC database.[6]

Point of Compliance

Soil

The point of compliance for protection of groundwater is soils throughout the Site.

Groundwater

The point of compliance for groundwater is throughout the Site, from the uppermost level of the saturated zone extending vertically to the lowest depth that could potentially be affected.

Air

The point of compliance for air is ambient air throughout the Site.

Selecting the cleanup action

Ecology has determined the cleanup action you selected for the Site meets the substantive requirements of MTCA. The selected cleanup action included the following elements:

- Collection of soil samples to delineate the residual soil contamination, and construction of engineering controls to prevent exposure of residual contamination to human health and environment.
- Installation of a vapor barrier under the current building to mitigate potential VI risk, and collection of indoor air samples to demonstrate VI is not impacting indoor air quality.
- Installation of monitoring wells and collection of groundwater samples to demonstrate compliance with MTCA cleanup levels.

Implementing the cleanup action

Ecology has determined your cleanup meets the standards set for the Site. This determination depends on the continued performance and effectiveness of the post-cleanup controls and monitoring specified in this letter.

The Site cleanup consisted of the following:

- Collection of soil samples from 2019 to 2021 to define the lateral and vertical extents of residual soil contamination under the northwest portion of the current building.
- Construction of a cap to minimize the potential for contacting, leaching from, and exposure to the residual soil contamination. The cap consists of the existing building structure, concrete floor, and a vapor barrier.

[6] https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC/Data-tables

- Installation of a vapor barrier under the northwest portion of the building to mitigate potential VI risk to the building. Collection of indoor air samples in cold and warm seasons to demonstrate indoor air quality is not impacted by VI.
- Installation of two monitoring wells along northern Site boundary adjacent to the residual contaminated soil, and upgradient of a nearby City of Redmond drinking water well. Collection of groundwater samples from the two wells in four consecutive quarters to demonstrate compliance with MTCA Cleanup levels. The groundwater compliance also indicates that the downgradient drinking water well is not impacted by the residual contamination at the Site.

Post-Cleanup Controls and Monitoring

Post-cleanup controls and monitoring are remedial actions performed to ensure compliance with cleanup standards. Ecology is issuing this No Further Action opinion based on the continued performance and effectiveness of the following post-cleanup remedial actions at the Site. Ecology may rescind this opinion if these remedial actions are not performed or do not effectively maintain the cleanup standards.

Compliance with institutional controls

Institutional controls prohibit or limit activities that may interfere with the integrity of engineering controls or result in exposure to contamination. The following site-specific institutional controls are needed at the Site:

- Containment of soil: The remedial action for the Site is based on containing contaminated soil and timber piles under a cap consisting of the existing building structure, a vapor barrier, and concrete floor. Therefore, restrictions apply within the restricted area of the Property to assure that containment of contaminated soil is maintained.
- Stormwater facilities: To minimize the potential for mobilization of contaminants remaining in soil at the Site, no stormwater infiltration facilities or ponds shall be constructed on the restricted area of the Property.
- Groundwater use: The groundwater beneath the Property shall not be extracted for any purpose other than temporary construction dewatering, investigation, monitoring, or remediation. Any temporary construction dewatering must comply with Redmond Municipal Code 13.25.[7]

[7] https://redmond.municipal.codes/RMC/13.25

- Vapor/gas controls: The vapor barrier, combined with the concrete floor of the structure, prevents the migration of vapors intro the building. No alteration of the existing structure and vapor barrier, or new construction that could affect the vapor intrusion pathway, shall be performed without Ecology's approval.

To implement the controls, you recorded an environmental covenant on the following parcel of real property in King County:

- 7198900170

Ecology approved the recorded environmental covenant (see **Enclosure A**). To amend or terminate the covenant, you must request additional review under the VCP, per Toxics Cleanup Program Procedure 440C.[8]

Operation and maintenance of engineering controls

Engineering controls prevent or limit movement of, or exposure to, contamination. The Site needs the following engineering controls:

- Containment of soil: The cap that consists of existing building structure, a vapor barrier, and concrete floor, prevents contact with, leaching from, and exposure to the underlying timber piles and contaminated soil.

Ecology has determined the operation and maintenance plan you submitted for these engineering controls meets the substantive requirements of MTCA. **Enclosure A** includes this plan as **Exhibit E** to the environmental covenant.

Performance of confirmational monitoring

Confirmational groundwater monitoring is needed at the Site to confirm the long-term effectiveness of the cleanup. Ecology will use the monitoring data during periodic reviews of post-cleanup conditions. Ecology has determined the monitoring plan you submitted meets the substantive requirements of MTCA. **Enclosure A** includes this plan as **Exhibit F** to the environmental covenant.

The monitoring plan requires groundwater monitoring at monitoring wells MW-1 and MW-2 in the first quarter of 2028. Groundwater monitoring includes water level measurements, and collection of groundwater samples from these two wells for analysis of naphthalenes and cPAHs.

[8] https://apps.ecology.wa.gov/publications/SummaryPages/1509057.html

Periodic review of post-cleanup conditions

Ecology will conduct periodic reviews of post-cleanup conditions at the Site to evaluate if they remain protective of human health and the environment. Based on a periodic review, if Ecology determines the Site needs further remedial action, Ecology will rescind this opinion.

Listing of the Site

Based on this opinion, Ecology will update the Site status on the Confirmed and Suspected Contaminated Sites List.

Limitations of the Opinion

Opinion does not settle liability with the state

Liable persons are strictly liable, jointly and severally, for all remedial action costs and for all natural resource damages resulting from the release or releases of hazardous substances at the Site. This opinion does not:

- Resolve or alter a person's liability to the state.
- Protect liable persons from contribution claims by third parties.

To settle liability with the state and obtain protection from contribution claims, a person must enter into a consent decree with Ecology under RCW 70A.305.040(4).[9]

Opinion does not constitute a determination of substantial equivalence

To recover remedial action costs from other liable persons under MTCA, one must demonstrate that the action is the substantial equivalent of an Ecology-conducted or Ecology-supervised action. This opinion does not determine if the action you performed is substantially equivalent. Courts make that determination. See RCW 70A.305.080[10] and WAC 173-340-545.[11]

State is immune from liability

The state, Ecology, and its officers and employees are immune from all liability, and no cause of action of any nature may arise from any act or omission in providing this opinion. See RCW 70A.305.170(6).[12]

[9] https://app.leg.wa.gov/RCW/default.aspx?cite=70A.305.040
[10] https://app.leg.wa.gov/RCW/default.aspx?cite=70A.305.080
[11] https://apps.leg.wa.gov/WAC/default.aspx?cite=173-340-545
[12] https://app.leg.wa.gov/RCW/default.aspx?cite=70A.305.170

Termination of Agreement

Thank you for cleaning up the Site under the VCP. This opinion terminates the VCP Agreement governing VCP Project No. NW3292.

Questions

If you have any questions about this opinion or the termination of the Agreement, please contact me by phone at (425) 229-2565 or email at jing.song@ecy.wa.gov.

Sincerely,

Jing Song
Site Manager
Toxics Cleanup Program, NWRO

Enclosures (3):

A – Environmental Covenant for Institutional Controls
B – Site Description, History, and Diagrams
C – Basis for the Opinion: List of Documents

cc: Ramsey Mauldin, TRC Environmental Corporation (RMauldin@trccompanies.com)
Eric Koltes, TRC Environmental Corporation (EKoltes@trccompanies.com)
Jessica Atlakson, City of Redmond (jatlakson@redmond.gov)
Sonia Fernandez, VCP coordinator (sonia.fernandez@ecy.wa.gov)
Fiscal, VCP Fiscal Analyst (ecyrevcp@ECY.WA.GOV)

Enclosure A

Environmental Covenant for Institutional Controls

Instrument Number: 20230804000011 Document:COV Rec: $257.50 Page-1 of 55
Record Date:8/4/2023 8:05 AM
Electronically Recorded King County, WA

After Recording Return To:
Jing Song
Toxics Cleanup Program
Department of Ecology
Northwest Regional Office
15700 Dayton Avenue North
Shoreline, Washington 98133

ENVIRONMENTAL COVENANT

Grantor: NE 8th Street Development, LLC

Grantee: State of Washington, Department of Ecology (hereafter "Ecology")

Legal description:

The Land referred to herein below is situated in the County of King, State of Washington, and is described as follows:

PARCEL A, BOUNDARY LINE ADJUSTMENT: MODERA RIVER TRAIL, CITY OF REDMOND FILE NO. LAND-2019-00505, RECORDED DECEMBER 20, 2019 UNDER KING COUNTY RECORDING NO. 20191220900001, IN KING COUNTY, WASHINGTON.

Tax Parcel No.: King County Parcel No. 719890-0170

I AM REQUESTING AN EMERGENCY NONSTANDARD RECORDING FOR AN ADDITIONAL FEE AS PROVIDED IN RCW 36.18.010.

I UNDERSTAND THAT THE RECORDING PROCESSING REQUIREMENTS MAY COVER UP OR OTHERWISE OBSCURE SOME PART OF THE TEXT OF THE ORIGINAL DOCUMENT.

Levi C Savage, Paralegal McCullough Hill PLLC

RECITALS

a. This document is an environmental (restrictive) covenant (hereafter "Covenant") executed pursuant to the Model Toxics Control Act ("MTCA"), Chapter 70A.305 RCW, and Uniform Environmental Covenants Act ("UECA"), Chapter 64.70 RCW.

b. The Property that is the subject of this Covenant is part of a site commonly known as **Modera River Trail**, Cleanup Site ID No. 15281, Facility Site ID No. 75292. The Property is currently occupied by the Modera River Trail apartment complex located at 15881 NE 85th Street in Redmond, Washington. The Property is legally described in Exhibit A and illustrated in Exhibit B, all of which are attached (hereafter "Property"). If there are differences between the two Exhibits, the legal description in Exhibit A shall prevail.

c. The Property is the subject of remedial action conducted under MTCA. This Covenant is required because residual contamination remains on the Property after completion of remedial actions. Specifically, the following principal contaminants remain on the Property:

Medium	Principal Contaminants Present
Soil	Total naphthalenes and carcinogenic polycyclic aromatic hydrocarbons (cPAHs)
Groundwater	N/A
Soil Vapor	Total naphthalenes

d. It is the purpose of this Covenant to restrict certain activities and uses of the Property to protect human health and the environment and the integrity of remedial actions conducted at the site.

Records describing the extent of residual contamination and remedial actions conducted are available through Ecology, including the following documents:

- *Remedial Investigation, Feasbility Study, and Interim Remedial Action Report*, August 12, 2020
- *Well Installation and Monitoring Report*, dated October 11, 2021
- *Indoor Air Monitoring Report*, dated June 1, 2022

- *2022 Annual Groundwater Monitoring Report*, dated August 17, 2022
- *Indoor Air Monitoring Report – August 2022*, dated September 1, 2022
- *Cleanup Action Summary Report*, dated November 4, 2022

e. This Covenant grants Ecology certain rights under UECA and as specified in this Covenant. As a Holder of this Covenant under UECA, Ecology has an interest in real property; however, this is not an ownership interest which equates to liability under MTCA or the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. §§ 9601 et.seq. The rights of Ecology as an "agency" under UECA, other than its right as a Holder, are not an interest in real property.

COVENANT

NE 85th Street Development, LLC, as the Grantor and fee simple owner of the Property, hereby grants to Ecology, and its successors and assignees, the following covenants. Furthermore, it is the intent of the Grantor that such covenants shall supersede any prior interests the Grantor has in the Property and run with the land and be binding on all current and future owners of any portion of, or interest in, the Property.

Section 1. General Restrictions and Requirements.

The following general restrictions and requirements shall apply to the Property:

a. **Interference with Remedial Action.** The Grantor shall not engage in any activity on the Property that may impact or interfere with the remedial action and any operation, maintenance, inspection, or monitoring of that remedial action without prior written approval from Ecology.

b. **Protection of Human Health and the Environment.** The Grantor shall not engage in any activity on the Property that may threaten continued protection of human health or the environment without prior written approval from Ecology. This includes, but is not limited to, any activity that results in the release of residual contamination that was contained as a part of the remedial action or that exacerbates or creates a new exposure to residual contamination remaining on the Property.

c. **Continued Compliance Required.** The Grantor shall not convey any interest in any portion of the Property without providing for the continued adequate and complete operation, maintenance, and monitoring of remedial actions and continued compliance with this Covenant.

d. **Leases.** The Grantor shall restrict any lease for any portion of the Property to uses and activities consistent with this Covenant, and notify all lessees of the restrictions on the

use of the Property.

e. **Preservation of Reference Monuments.** The Grantor shall make a good faith effort to preserve any reference monuments and boundary markers used to define the areal extent of coverage of this Covenant. Should a monument or marker be damaged or destroyed, the Grantor shall have it replaced by a licensed professional surveyor within 30 days of discovery of the damage or destruction.

Section 2. Specific Prohibitions and Requirements.

In addition to the general restrictions in Section 1 of this Covenant, the following additional specific restrictions and requirements shall apply to the Property:

a. **Containment of Soil.** The remedial action for the Property is based on containing contaminated soil and timber piles under a cap located as illustrated in Exhibit C. The cap consists of the existing building structure, a vapor barrier, and concrete floor. The primary purpose of this cap is to minimize the potential for contacting contaminated soil and timber piles, minimize leaching of contaminants to groundwater, prevent runoff from contacting contaminated soil, and to prevent the intrusion of soil vapor into the structure.

The following restrictions shall apply only within the "Restricted Area" illustrated in Exhibit C:

The Grantor shall not alter or remove the existing structure, concrete floor, or vapor barrier (collectively the cap) within the Restricted Area of the Property illustrated in Exhibit C in any manner that would expose contaminated soil and timber piles, result in a release to human health or the environment, or create a new exposure pathway, without prior written approval of Ecology. Should the Grantor propose to remove all or a portion of the cap in the Restricted Area illustrated in Exhibit C on the Property so that access to the underlying contamination is feasible, Ecology may require treatment or removal of the underlying contaminated soil and timber piles. Any intrusive subsurface soil work within or beneath the Property must be implemented by Hazardous Waste Operations and Emergency Response (HAZWOPER) trained workers in accordance with a health and safety plan.

b. **Stormwater Facilities.** To minimize the potential for mobilization of contaminants remaining in soil on the site, no stormwater infiltration facilities or ponds shall be constructed within the Restricted Area of the Property illustrated in Exhibit C. All stormwater catch basins, conveyance systems, and other appurtenances located within this area shall be of water-tight construction.

c. **Groundwater Use.** The groundwater beneath the Property has not been identified to be contaminated. However, the soil contamination on the Property presents a potential risk to perched groundwater (if present) or deeper groundwater. Therefore, groundwater

beneath the Property shall not be extracted for any purpose other than temporary construction dewatering, investigation, monitoring, or remediation. Any temporary construction dewatering must comply with Redmond Municipal Code 13.25[1]. Drilling of a well for any water supply purpose is strictly prohibited. Groundwater extracted from the Property for any purpose shall be considered potentially contaminated and any discharge of this water shall be done in accordance with state and federal law.

d. **Vapor/gas controls.** The residual contamination on the Property includes napthalenes in soil and soil vapor. The existing building includes a vapor barrier. This barrier, combined with the concrete floor of the structure, prevents the migration of vapors into the building. No alterations of the existing garage floor of the structure or new construction that has the potential to affect the vapor intrusion pathway shall be performed unless first approved by Ecology.

e. **Cap Monitoring Plan**. The Grantor shall comply with and implement the requirements of the Cap Monitoring Plan until such time that Ecology confirms in writing that the obligations of the Cap Monitoring Plan are no longer necessary.

f. **Groundwater Monitoring.** Two groundwater monitoring wells are located on the Property to monitor the performance of the remedial action. The Confirmational Groundwater Monitoring Plan for the remedial action is attached as Exhibit F. While monitoring is ongoing, the Grantor shall maintain clear access to monitoring wells and protect them from damage. The Grantor shall report to Ecology within forty-eight (48) hours of the discovery of any damage to any monitoring well. Unless Ecology approves of an alternative plan in writing, the Grantor shall promptly repair the damage and submit a report documenting this work to Ecology within thirty (30) days of completing the repairs.

Section 3. Access.

a. The Grantor shall maintain clear access to all remedial action components necessary to construct, operate, inspect, monitor, and maintain the remedial action.

b. The Grantor freely and voluntarily grants Ecology and its authorized representatives, upon reasonable notice, the right to enter the Property at reasonable times to evaluate the effectiveness of this Covenant and associated remedial actions, and enforce compliance with this Covenant and those actions, including the right to take samples, to inspect any remedial actions conducted on the Property, and to inspect related records.

c. No right of access or use by a third party to any portion of the Property is conveyed

[1] Ch. 13.25 Temporary Construction Dewatering | Redmond Municipal Code

by this instrument.

Section 4. Notice Requirements.

a. Conveyance of Any Interest. The Grantor, when conveying any interest in the area of the Property legally described in Exhibit A and illustrated in Exhibit B, including but not limited to title, easement, leases, and security or other interests, must:

i. Provide written notice to Ecology of the intended conveyance at least 30 days in advance of the conveyance. This notice requirement does not apply to the sale or lease of individual residential units on the Property. Waiver of this advance notice to Ecology for these transactions does not constitute waiver of this notice for the entire Property nor a waiver of the requirement in Section 4.a.ii. to include a notice in any document conveying interest in the Property.

ii. Include in the conveying document a notice in substantially the following form, as well as a complete copy of this Covenant:

NOTICE: THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL COVENANT GRANTED TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY ON _____, 2023 AND RECORDED WITH THE KING COUNTY AUDITOR UNDER RECORDING NUMBER _____. USES AND ACTIVITIES ON THIS PROPERTY MUST COMPLY WITH THAT COVENANT, A COMPLETE COPY OF WHICH IS ATTACHED TO THIS DOCUMENT.

iii. Unless otherwise agreed to in writing by Ecology, provide Ecology with a complete copy of the executed document within 30 days of the date of execution of such document.

b. Reporting Violations. Should the Grantor become aware of any violation of this Covenant, the Grantor shall promptly report such violation in writing to Ecology.

c. Emergencies. For any emergency or significant change in site conditions due to Acts of Nature (for example, flood or fire) resulting in a violation of this Covenant, the Grantor is authorized to respond to such an event in accordance with state and federal law. The Grantor must notify Ecology in writing of the event and response actions planned or taken as soon as practical but no later than within 24 hours of the discovery of the event.

d. Notification Procedure. Any required written notice, approval, reporting, or other communication shall be personally delivered or sent by first class mail to the following persons. Any change in this contact information shall be submitted in writing to all parties to this Covenant. Upon mutual agreement of the parties to this Covenant, an alternative to

personal delivery, first class mail, or e-mail, such as other electronic means, may be used for these communications.

NE 85th Street Development, LLC c/o Steve Yoon SENIOR MANAGING DIRECTOR Mill Creek Residential 1417 116th Ave NE, Suite 208 Bellevue, WA 98004 425.739.1144 Syoon@MCRTrust.com	Washington State Department of Ecology Attn: Environmental Covenants Coordinator Toxics Cleanup Program P.O. Box 47600 Olympia, WA 98504–7600 360-407-6000 ToxicsCleanupProgramHQ@ecy.wa.gov

Section 5. Modification or Termination.

a. The Grantor must provide written notice and obtain approval from Ecology at least 60 days in advance of any proposed activity or use of the Property in a manner that is inconsistent with this Covenant. For any proposal that is inconsistent with this Covenant and permanently modifies an activity or use restriction at the site:

i. Ecology must issue a public notice and provide an opportunity for the public to comment on the proposal; and

ii. If Ecology approves the proposal, the Covenant must be amended to reflect the change before the activity or use can proceed.

b. If the conditions at the site requiring a Covenant have changed or no longer exist, then the Grantor may submit a request to Ecology that this Covenant be amended or terminated. Any amendment or termination of this Covenant must follow the procedures in MTCA and UECA and any rules promulgated under these chapters.

c. By signing this agreement, per RCW 64.70.100, the original signatories to this agreement, other than Ecology, agree to waive all rights to sign amendments to and termination of this Covenant.

Section 6. Enforcement and Construction.

a. This Covenant is being freely and voluntarily granted by the Grantor.

b. Within 20 days of execution of this Covenant, the Grantor shall provide Ecology with an original signed Covenant and proof of recording and a copy of the Covenant and proof of recording to others required by RCW 64.70.070.

c. Ecology shall be entitled to enforce the terms of this Covenant by resort to specific performance or legal process. All remedies available in this Covenant shall be in addition to any and all remedies at law or in equity, including MTCA and UECA. Enforcement of the terms of this Covenant shall be at the discretion of Ecology, and any forbearance, delay, or omission to exercise its rights under this Covenant in the event of a breach of any term of this Covenant is not a waiver by Ecology of that term or of any subsequent breach of that term, or any other term in this Covenant, or of any rights of Ecology under this Covenant.

d. The Grantor shall be responsible for all costs associated with implementation of this Covenant. Furthermore, the Grantor, upon request by Ecology, shall be obligated to pay for Ecology's costs to process a request by Grantor for any modification or termination of this Covenant and any approval required by this Covenant.

e. This Covenant shall be liberally construed to meet the intent of MTCA and UECA.

f. The provisions of this Covenant shall be severable. If any provision in this Covenant or its application to any person or circumstance is held invalid, the remainder of this Covenant or its application to any person or circumstance is not affected and shall continue in full force and effect as though such void provision had not been contained herein.

g. A heading used at the beginning of any section or paragraph or exhibit of this Covenant may be used to aid in the interpretation of that section or paragraph or exhibit but does not override the specific requirements in that section or paragraph.

The undersigned Grantor warrants he/she holds the title to the Property and has authority to execute this Covenant.

EXECUTED this 21st day of June, 2023.

NE 85th Street Development, LLC, a Delaware limited liability company
By: MCRT River Trail LLC, a Delaware limited liability company, Operating Member

By: _____
Name: Jaeho Steven Yoon
Title: Senior Managing Director

CORPORATE ACKNOWLEDGMENT

STATE OF WASHINGTON
COUNTY OF KING

On this 21st day of June, 2023 I certify that Jaeho Steven Yoon personally appeared before me, acknowledged that **he/she** is the Senior Managing Director of the corporation that executed the within and foregoing instrument, and signed said instrument by free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that **he/she** was authorized to execute said instrument for said corporation.

Mary Beth Ranney
Notary Public in and for the State of Washington [16]
Residing at Redmond, WA
My appointment expires Nov. 8, 2024

MARY BETH RANNEY
MY COMM. EXP. 11-08-24
NOTARY PUBLIC
COMM. NO. 12948
STATE OF WASHINGTON

The Department of Ecology, hereby accepts the status as GRANTEE and HOLDER of the above Environmental Covenant.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

by: Robert W. Warren,

Title: Section Manager
Toxics Cleanup Program
Northwest Regional Office

Dated: 7-17-23

Exhibit A

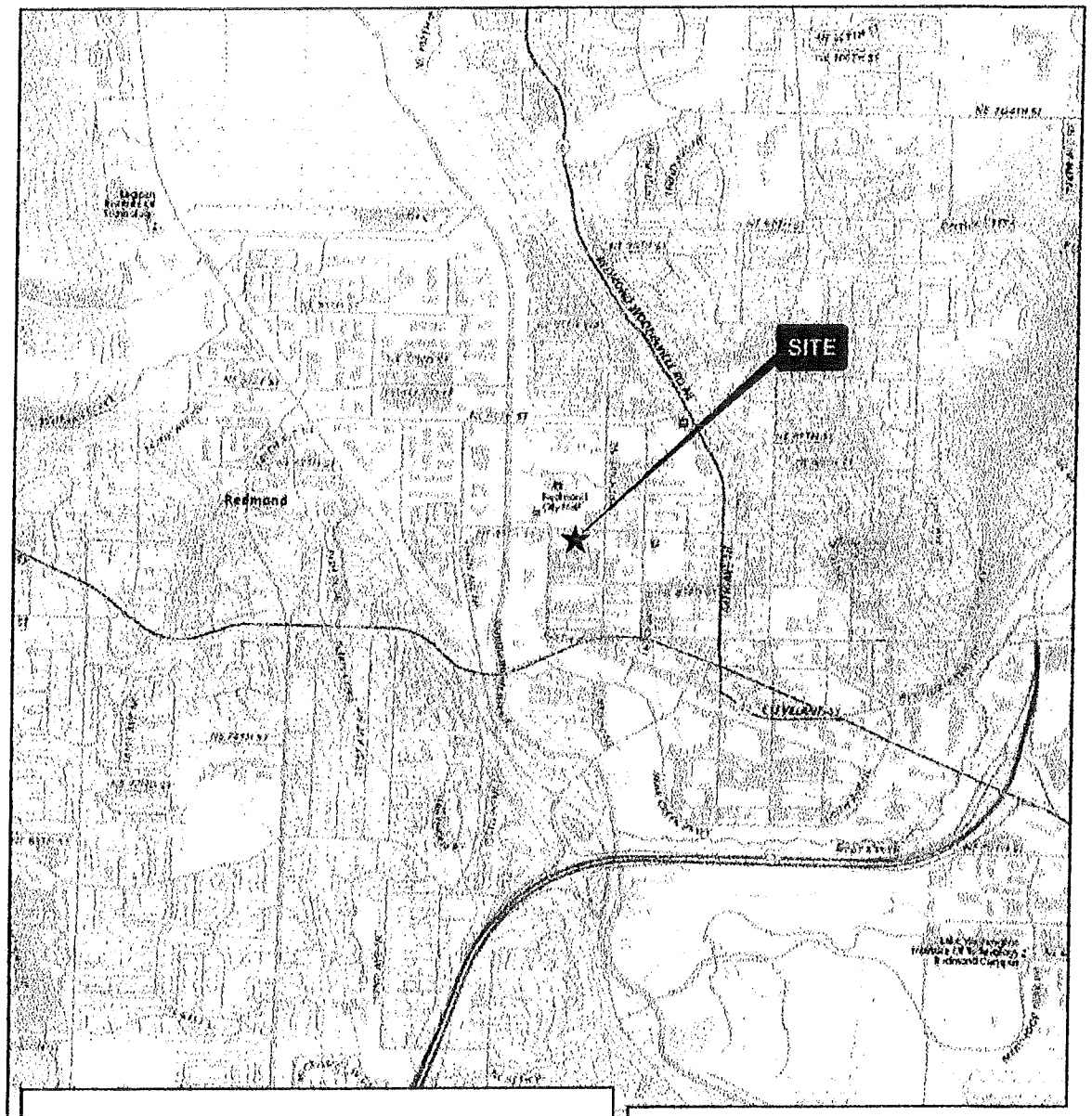
LEGAL DESCRIPTION

The Land referred to herein below is situated in the County of King, State of Washington, and is described as follows:

PARCEL A, BOUNDARY LINE ADJUSTMENT: MODERA RIVER TRAIL CITY OF REDMOND FILE NO. LAND-2019-00505, RECORDED DECEMBER 20, 2019 UNDER KING COUNTY RECORDING NO. 20191220900001, IN KING COUNTY, WASHINGTON.

Exhibit B

PROPERTY MAP



TRC
1180 NW MAPLE ST, SUITE 310
ISSAQUAH, WA 98027
425.395.0010
WWW.TRCCOMPANIES.COM

FIGURE 1
GENERAL VICINITY MAP

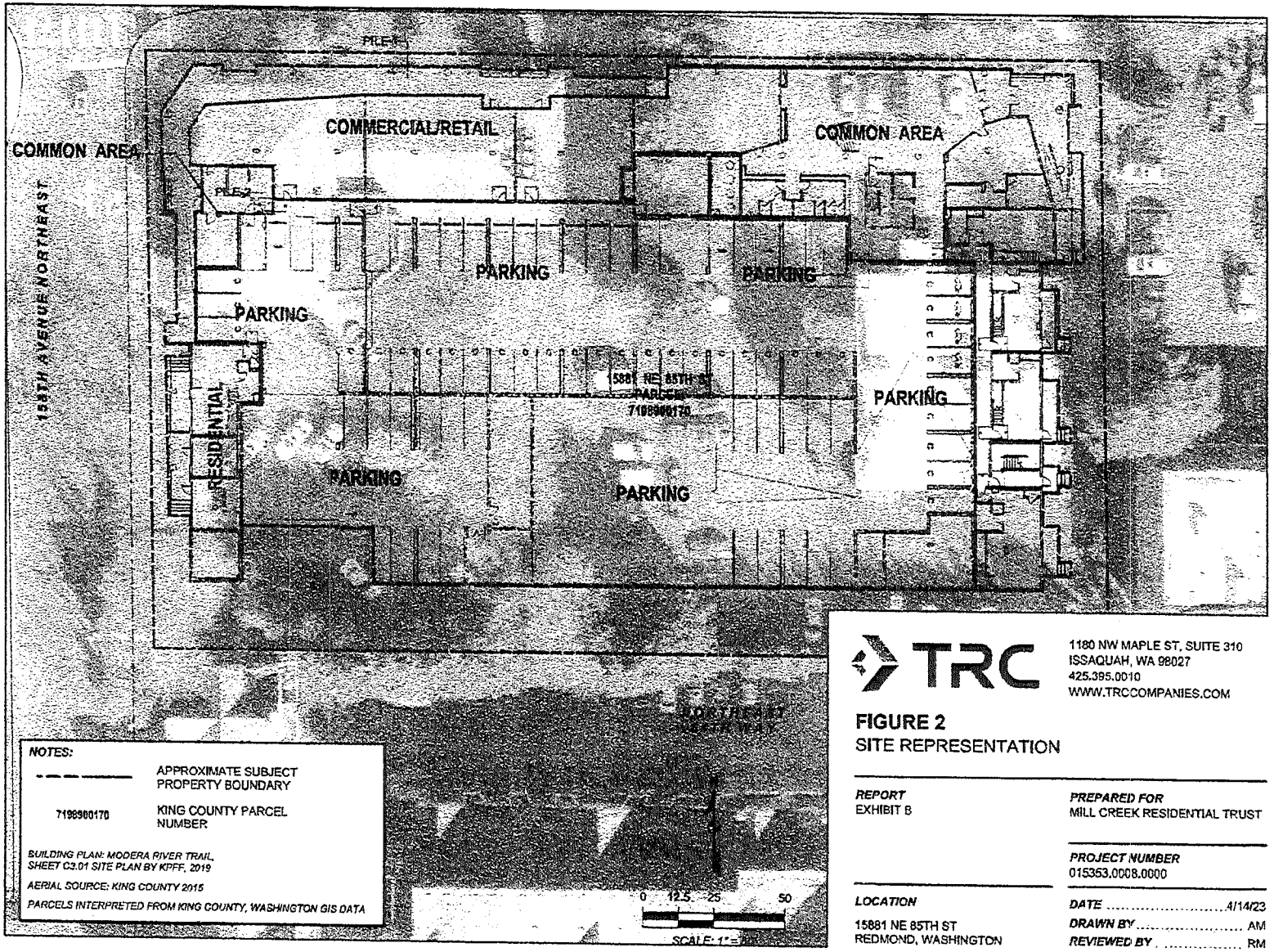
REPORT
EXHIBIT B

LOCATION
15881 NE 85TH ST
REDMOND, WASHINGTON

PREPARED FOR
MILL CREEK RESIDENTIAL TRUST

PROJECT NUMBER
015353.0008.0000

DATE - - - - - - - - - - - - - - - - 11/22/22
DRAWN BY - - - - - - - - - - - - - - SR
REVIEWED BY - - - - - - - - - - - - RM



TRC
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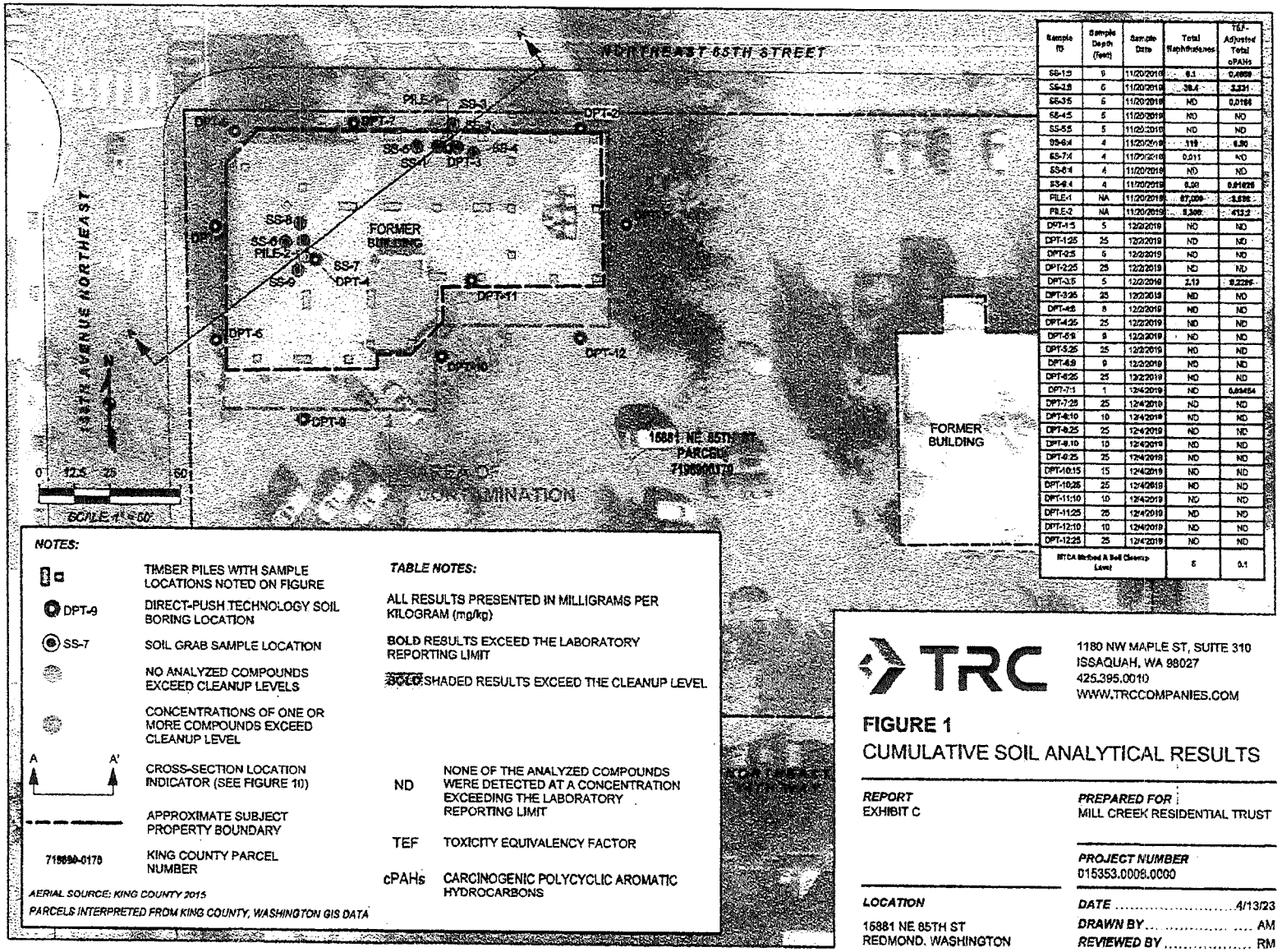
FIGURE 2
SITE REPRESENTATION

REPORT EXHIBIT B	*PREPARED FOR* MILL CREEK RESIDENTIAL TRUST
	PROJECT NUMBER 015353.0008.0000
LOCATION 15881 NE 85TH ST REDMOND, WASHINGTON	*DATE* ..... 4/14/23 *DRAWN BY* ..... AM *REVIEWED BY* ..... RM

Exhibit C

MAPS ILLUSTRATING THE LOCATIONS OF RESTRICTIONS



Sample ID	Sample Depth (feet)	Sample Date	Total Naphthalenes	TEF-Adjusted Total cPAHs
SS-1.5	5	11/20/2019	0.1	0.4859
SS-2.5	5	11/20/2019	38.4	5.331
SS-3.5	5	11/20/2019	ND	0.0166
SS-4.5	5	11/20/2019	ND	ND
SS-5.5	5	11/20/2019	ND	ND
SS-6.4	4	11/20/2019	119	6.96
SS-7.4	4	11/20/2019	0.011	ND
SS-8.4	4	11/20/2019	ND	ND
SS-9.4	4	11/20/2019	0.08	0.01626
PILE-1	NA	11/20/2019	87,000	5.696
PILE-2	NA	11/20/2019	9,300	413.2
DPT-1-5	5	12/2/2019	ND	ND
DPT-1-25	25	12/2/2019	ND	ND
DPT-2-5	5	12/2/2019	ND	ND
DPT-2-25	25	12/2/2019	ND	ND
DPT-3-5	5	12/2/2019	2.13	0.2295
DPT-3-25	25	12/2/2019	ND	ND
DPT-4-5	5	12/2/2019	ND	ND
DPT-4-25	25	12/2/2019	ND	ND
DPT-5-5	5	12/2/2019	ND	ND
DPT-5-25	25	12/2/2019	ND	ND
DPT-6-5	5	12/2/2019	ND	ND
DPT-6-25	25	12/2/2019	ND	ND
DPT-7-1	1	12/4/2019	ND	0.00454
DPT-7-25	25	12/4/2019	ND	ND
DPT-8-10	10	12/4/2019	ND	ND
DPT-8-25	25	12/4/2019	ND	ND
DPT-9-10	10	12/4/2019	ND	ND
DPT-9-25	25	12/4/2019	ND	ND
DPT-10-15	15	12/4/2019	ND	ND
DPT-10-25	25	12/4/2019	ND	ND
DPT-11-10	10	12/4/2019	ND	ND
DPT-11-25	25	12/4/2019	ND	ND
DPT-12-10	10	12/4/2019	ND	ND
DPT-12-25	25	12/4/2019	ND	ND
MTCA Method A Soil Cleanup Level			5	0.1

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FIGURE 1
CUMULATIVE SOIL ANALYTICAL RESULTS

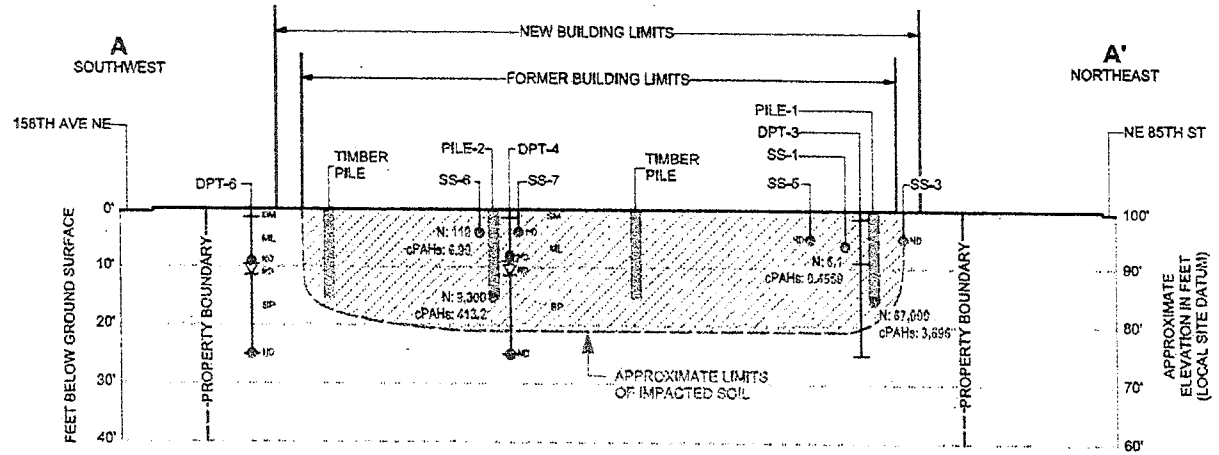
REPORT
EXHIBIT C

PREPARED FOR
MILL CREEK RESIDENTIAL TRUST

PROJECT NUMBER
015353.0008.0000

LOCATION
16881 NE 65TH ST
REDMOND, WASHINGTON

DATE 4/13/23
DRAWN BY ..... AM
REVIEWED BY ..... RM



0 5 10 15 30

SCALE: 1" = 30' 1H:1V

NOTES:

- SOIL SAMPLE LOCATION. NO ANALYZED COMPOUNDS EXCEED CLEANUP LEVELS.
- SOIL SAMPLE LOCATION. CONCENTRATIONS OF ONE OR MORE COMPOUNDS EXCEED CLEANUP LEVEL.
- GROUNDWATER SAMPLE LOCATION AND APPROXIMATE GROUNDWATER LEVEL (AS MEASURED 12/4/19). NO ANALYZED COMPOUNDS EXCEED CLEANUP LEVELS.

AERIAL SOURCE: KING COUNTY 2015

PARCELS INTERPRETED FROM KING COUNTY, WASHINGTON GIS DATA

ANALYTICAL NOTES:

NAPHTHALENE — N: 67,000

CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS — cPAHs: 3,596

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

ND NO ANALYZED COMPOUNDS EXCEED CLEANUP LEVELS

LITHOLOGY NOTES:

SM SILTY SAND

ML SILT

SP POORLY GRADED SAND

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FIGURE 2
CROSS-SECTION A-A'

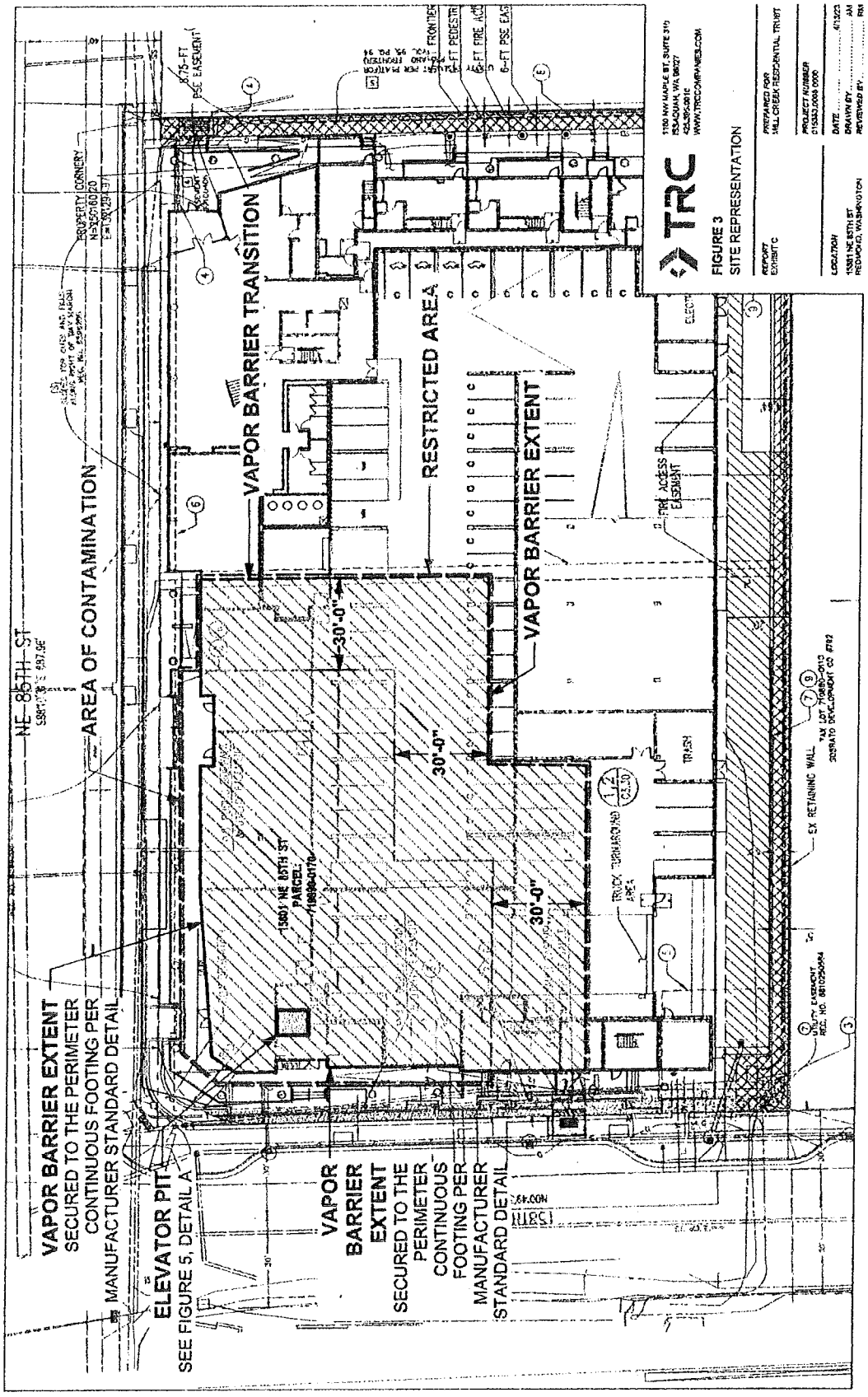
REPORT
EXHIBIT C

PREPARED FOR
MILL CREEK RESIDENTIAL TRUST

PROJECT NUMBER
015353.0008.0000

LOCATION
15881 NE 85TH ST
REDMOND, WASHINGTON

DATE 4/13/23
DRAWN BY ..... AM
REVIEWED BY ..... RM


AREA OF CONTAMINATION
VAPOR BARRIER TRANSITION
RESTRICTED AREA
VAPOR BARRIER EXTENT
VAPOR BARRIER EXTENT SECURED TO THE PERIMETER CONTINUOUS FOOTING PER MANUFACTURER STANDARD DETAIL
ELEVATOR PIT SEE FIGURE 5, DETAIL A
NE 85TH ST
30'-0"
30'-0"
30'-0"
TRASH
EX RETAINING WALL
TRUCK TURNAROUND AREA
TRC
FIGURE 3
SITE REPRESENTATION

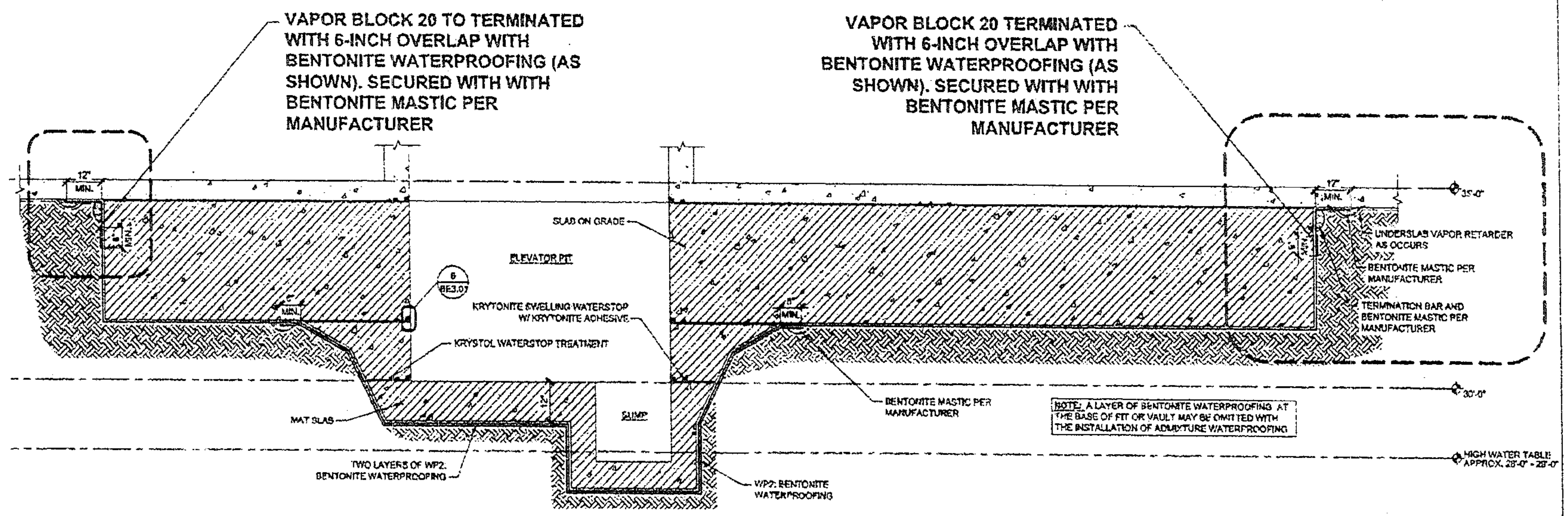


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FIGURE 4

VAPOR BARRIER DETAIL

REPORT EXHIBIT C	PREPARED FOR MILL CREEK RESIDENTIAL TRUST
	PROJECT NUMBER 015353.0008.0000
LOCATION 15801 NE 85TH ST REDMOND, WASHINGTON	DATE ....4/13/23 DRAWN BY .... AM REVIEWED BY .... RM

Exhibit E

CAP MONITORING PLAN

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Cap Monitoring Plan
Concrete Floor Slab and Vapor Barrier

Modera River Trail Site
15881 NE 85th Street
Redmond, Washington

Parcel Number: 7198900170
Facility Site ID: 75292
Cleanup Site ID: 15281
Voluntary Cleanup Program ID: NW3292

June 2, 2023

Prepared By:

TRC Environmental Corporation
1180 NW Maple Street, Suite 310
Issaquah, Washington 98027
(425) 395-0010

Prepared by:
Ramsey S. Mauldin
Senior Environmental Scientist

Reviewed and approved by:
Eric Koltes, L.G.
Principal Geologist

TRC Project Number: 015353.0008.0000

QR _____ TR _____

Cap Monitoring Plan
Concrete Floor Slab and Vapor Barrier
15881 ME 85th Street, Redmond, Washington
June 2, 2023

INTRODUCTION

This Cap Monitoring Plan (CMP) has been prepared for the commercial property at 15881 Northeast 85th Street in Redmond, Washington (parcel number 7198900170, "subject property"). Soil and soil vapor beneath a portion of the concrete floor slab at the subject property is impacted with naphthalenes and carcinogenic polycyclic aromatic hydrocarbons (cPAHs). Soil is impacted with both naphthalenes and cPAHs. Soil vapor is impacted with naphthalene. The source of these impacts is creosote-preserved timber pilings beneath the subject property. The impacted area is considered a "Site" under the Model Toxics Control Act (Revised Code of Washington Chapter 70.105D and its implementing regulations, Washington Administrative Code [WAC] 173-340; collectively referred to as "MTCA").

The selected remedy to address environmental impacts at the Site included installation of a vapor barrier beneath the planned structure and implementing institutional controls to limit potential exposure to contaminants. During building construction, a vapor barrier was installed under portions of the concrete slab to mitigate the potential for vapor intrusion into the building. The vapor barrier and concrete slab prevent exposure to impacted soil and soil vapor at the subject property. The institutional controls associated with the Site include the use of an Environmental Covenant (Covenant) filed with King County. Exhibit C of the Covenant includes observed concentrations of contaminants of concern, the Area of Contamination, and Vapor Barrier Extent, and illustrates the Restricted Area to which the Covenant applies. That exhibit is included in this CMP as Attachment A. This CMP describes specific inspection and reporting actions to be taken by the owner of the subject property, or its agents, to ensure that any actions taken at the subject property do not impact the integrity of the Site remedy or result in exposure to contaminated soil or soil vapor.

INSPECTION

Inspection of the concrete floor slab should be conducted within the entirety of the Restricted Area (Figure 4 of Attachment A) at least annually. The inspection should include the following items:

- Slab settlement or movement;
- New floor penetrations that may compromise the integrity of the vapor barrier;
- New cracks or fractures of the concrete floors or joints; and
- Other activities that could affect the performance of the concrete floor and the vapor barrier.

MAINTENANCE

Maintenance of the concrete floor slab and underlying vapor barrier is required by the Covenant to prevent potential exposures to impacted soil or migration of impacted soil vapor into the indoor air. Maintenance tasks will be identified during periodic inspections of the concrete floor slab. Maintenance of the concrete floor slab may include the following tasks:

- Notify Ecology in advance of any modifications to the structure, floor, or other components of the vapor barrier system that may otherwise affect its intended performance.
- Report to Ecology within 48 hours of the discovery of any damages to the structure, floor, or vapor barrier within the Restricted Area.
- Repair any new perforations to the concrete floor slab and underlying vapor barrier immediately upon identification. Vapor barrier installation and repair instructions are included in Attachment B.
- Repair any cracks or other damages in the concrete floor slab and underlying vapor barrier immediately upon discovery to maintain its intended function.

REPORTING

A completed inspection summary should be prepared to document the findings of the inspections described in this CMP. The annual inspection summary should be submitted to the Washington State Department of Ecology (Ecology) within 30 days of completion of such inspection. An Annual Inspection Summary Report Form (Report Form) is provided as Attachment C.

If any damage to the structure, concrete floor, or vapor barrier is discovered and repaired, a report documenting the discovery and repair work should be submitted to Ecology within 30 days of completing the repairs.

Completed Report and Forms should be transmitted to Ecology at the following address:

Environmental Covenants Coordinator and Periodic Reviewer
Washington State Department of Ecology Northwest Regional Office, Toxics Cleanup Program
PO Box 330316
Shoreline, WA 98133-9716
VCP-NWRO@ECY.WA.gov

ENCLOSURES

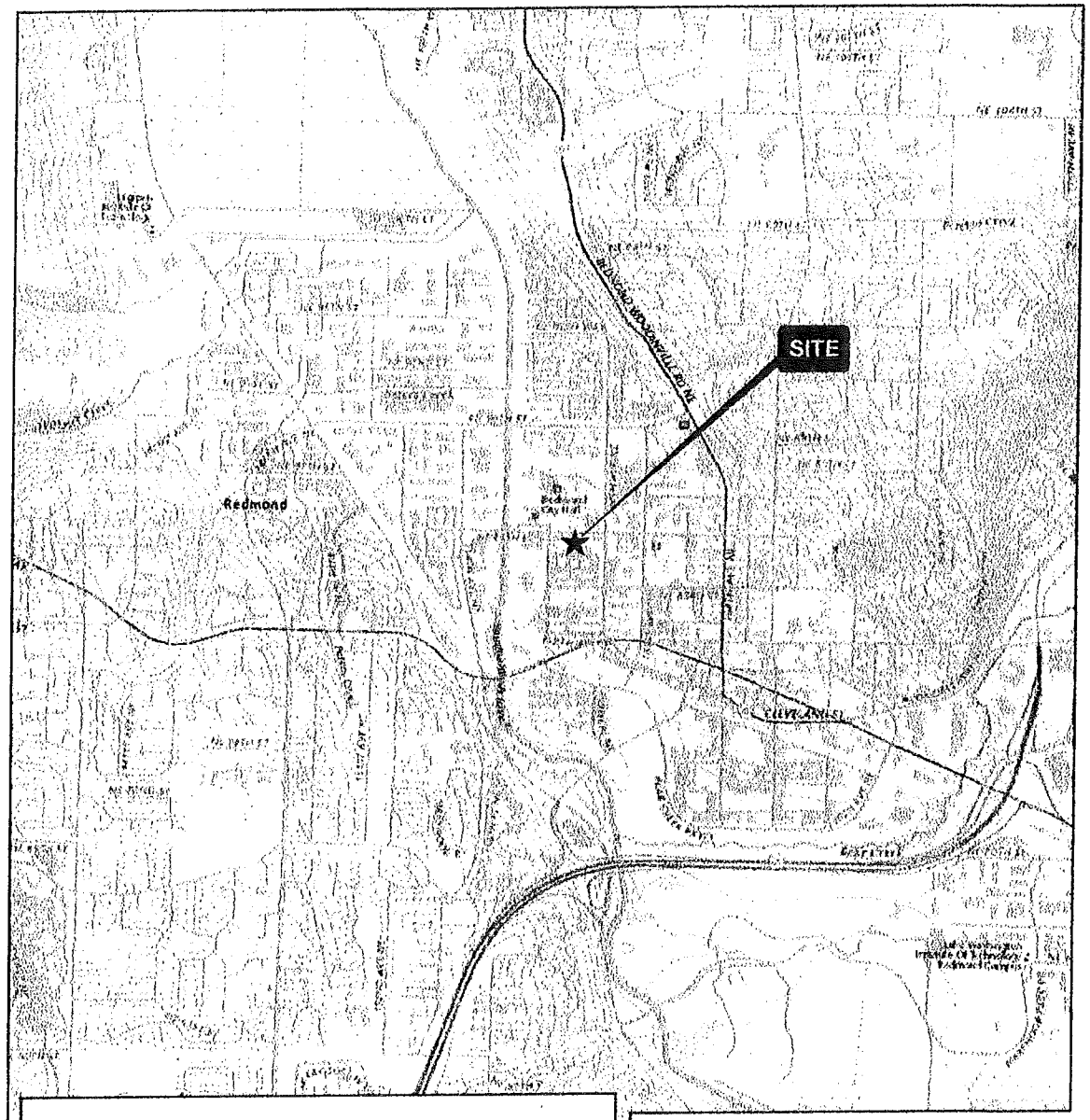
Attachments

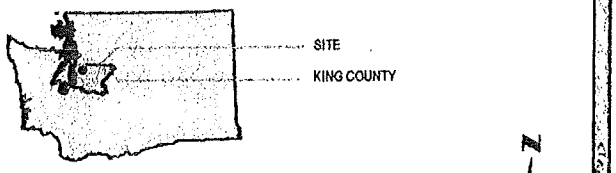
Attachment A Site Figures
Attachment B Vapor Barrier Installation and Repair Instructions
Attachment C Annual Inspection Summary Report Form

LIMITATIONS

To the extent that preparation of this CMP required the application of best professional judgment and the application of scientific principles, certain results of this work were based on subjective interpretation. TRC makes no warranties, express or implied, including and without limitation warranties as to merchantability or fitness for a particular purpose. The information provided in this CMP is not to be construed as legal advice.

Attachment A
Site Figures





SOURCE: USGS, THE NATIONAL MAP

0 0.25 0.5 0.75 1

APPROXIMATE SCALE IN MILES

N

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FIGURE 1
GENERAL VICINITY MAP

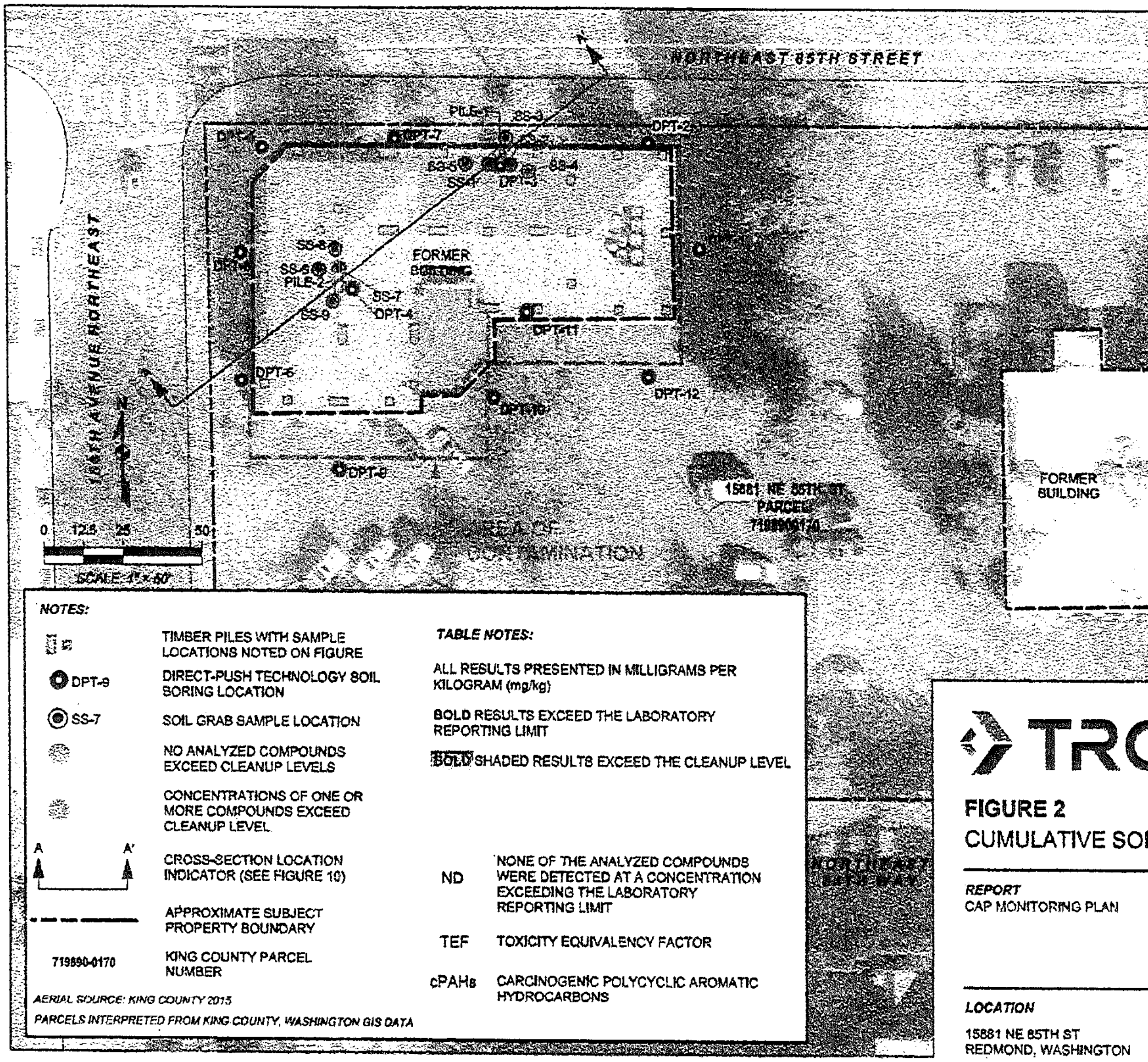
REPORT
CAP MONITORING PLAN

LOCATION
15881 NE 85TH ST
REDMOND, WASHINGTON

PREPARED FOR
MILL CREEK RESIDENTIAL TRUST

PROJECT NUMBER
015353.0008.0000

DATE - - - - - - - - - - - - - - - - 11/22/22
DRAWN BY - - - - - - - - - - - - - - SR
REVIEWED BY - - - - - - - - - - - - RM



Sample ID	Sample Depth (feet)	Sample Date	Total Naphthalenes	TEF-Adjusted Total cPAHs
SS-1:8	8	11/20/2019	6.1	0.4858
SS-2:8	8	11/20/2019	38.4	3.331
SS-3:5	5	11/20/2019	ND	0.0168
SS-4:5	5	11/20/2019	ND	ND
SS-5:5	5	11/20/2019	ND	ND
SS-6:4	4	11/20/2019	119	6.88
SS-7:4	4	11/20/2019	0.011	ND
SS-8:4	4	11/20/2019	ND	ND
SS-9:4	4	11/20/2019	0.88	0.01025
PILE-1	NA	11/20/2019	67,000	2,898
PILE-2	NA	11/20/2019	8,309	412.2
DPT-1:5	5	12/2/2019	ND	ND
DPT-1:25	25	12/2/2019	ND	ND
DPT-2:5	5	12/2/2019	ND	ND
DPT-2:25	25	12/2/2019	ND	ND
DPT-3:5	5	12/2/2019	2.13	0.2298
DPT-3:25	25	12/2/2019	ND	ND
DPT-4:8	8	12/2/2019	ND	ND
DPT-4:25	25	12/2/2019	ND	ND
DPT-5:9	9	12/2/2019	ND	ND
DPT-5:25	25	12/2/2019	ND	ND
DPT-6:9	9	12/2/2019	ND	ND
DPT-6:25	25	12/2/2019	ND	ND
DPT-7:1	1	12/4/2019	ND	0.03484
DPT-7:25	25	12/4/2019	ND	ND
DPT-8:10	10	12/4/2019	ND	ND
DPT-8:25	25	12/4/2019	ND	ND
DPT-9:10	10	12/4/2019	ND	ND
DPT-9:25	25	12/4/2019	ND	ND
DPT-10:15	15	12/4/2019	ND	ND
DPT-10:25	25	12/4/2019	ND	ND
DPT-11:10	10	12/4/2019	ND	ND
DPT-11:25	25	12/4/2019	ND	ND
DPT-12:10	10	12/4/2019	ND	ND
DPT-12:25	25	12/4/2019	ND	ND
MTCA Method A Soil Cleanup Level			5	0.1

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FIGURE 2
CUMULATIVE SOIL ANALYTICAL RESULTS

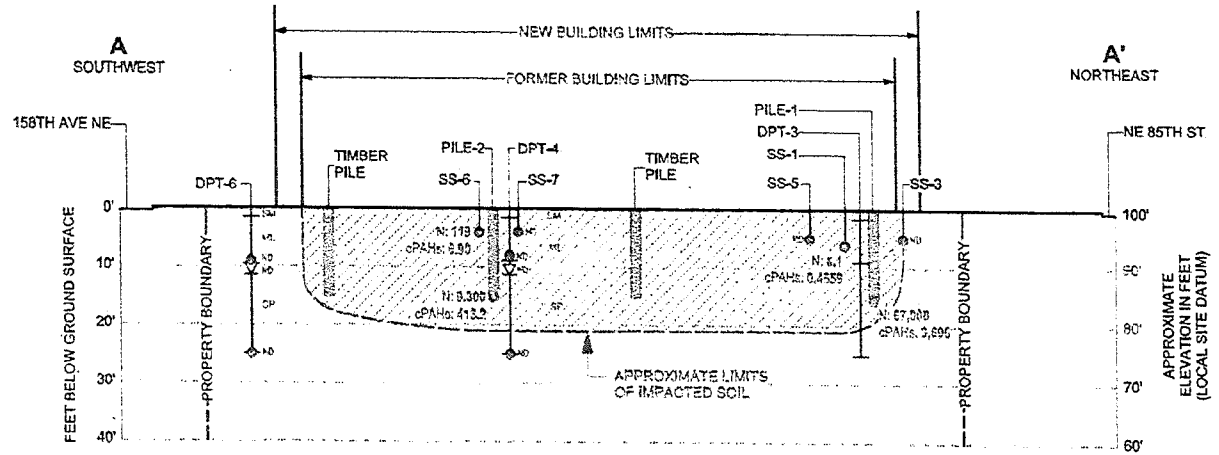
REPORT
CAP MONITORING PLAN

PREPARED FOR
MILL CREEK RESIDENTIAL TRUST

PROJECT NUMBER
015353.0008.0000

LOCATION
15881 NE 85TH ST
REDMOND, WASHINGTON

DATE 4/13/23
DRAWN BY .... AM
REVIEWED BY .... RM



0 5 10 15 30

SCALE: 1" = 30' 1H:1V

NOTES:

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ND NO ANALYZED COMPOUNDS EXCEED CLEANUP LEVELS

LITHOLOGY NOTES:

SM SILTY SAND
ML SILT
SP POORLY GRADED SAND

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FIGURE 3
CROSS-SECTION A-A'

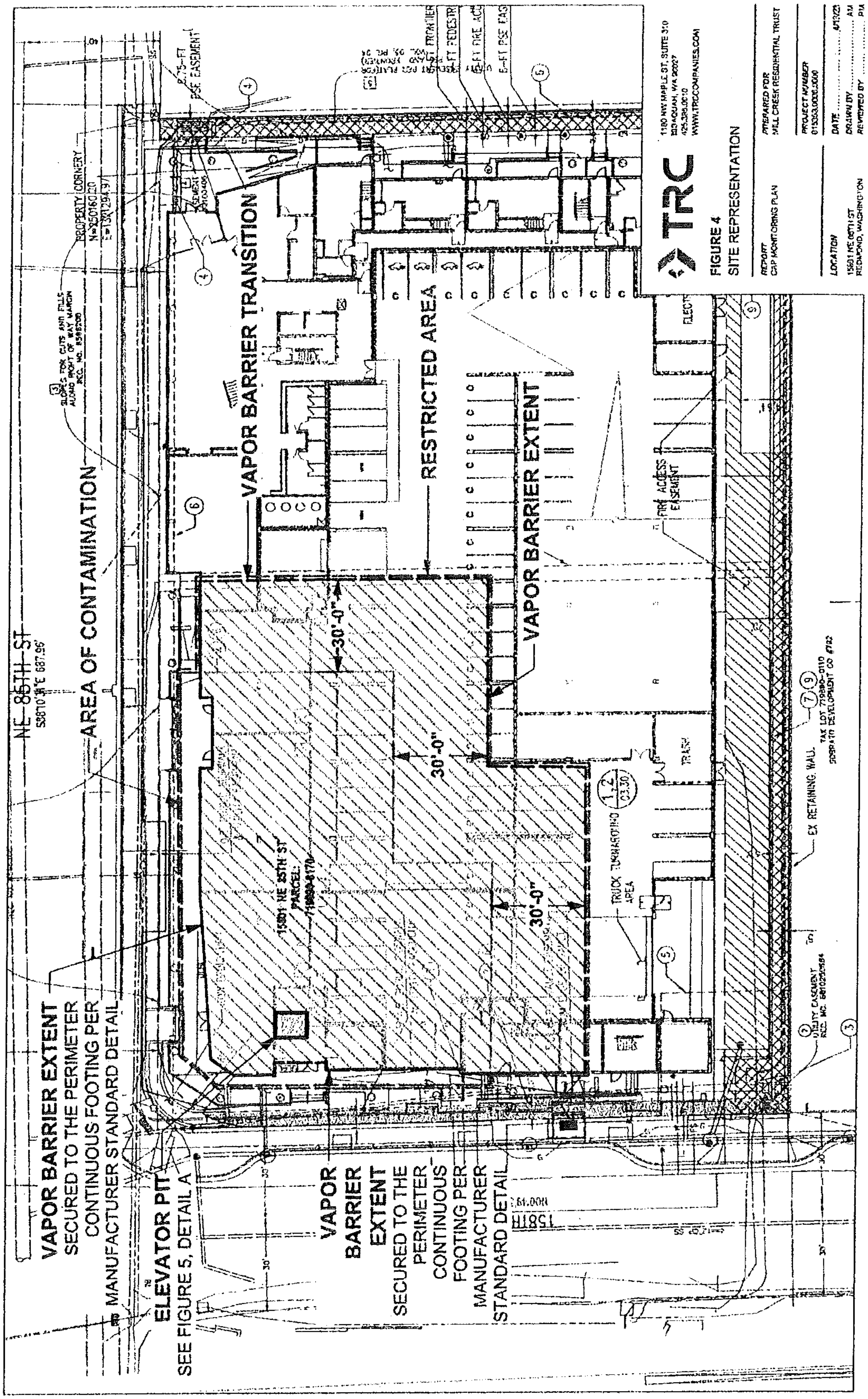
REPORT
CAP MONITORING PLAN

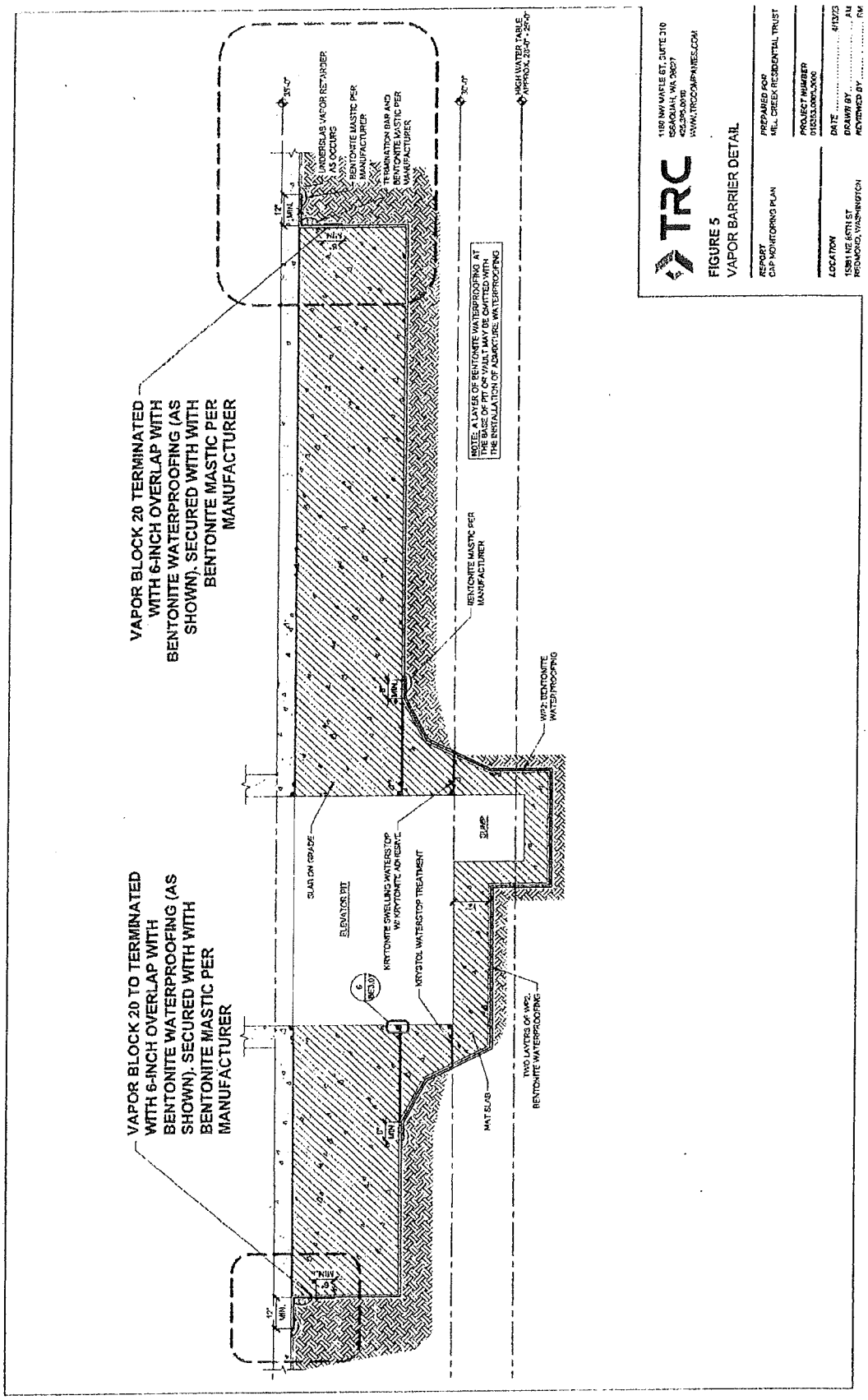
PREPARED FOR :
MILL CREEK RESIDENTIAL TRUST

PROJECT NUMBER
015353.0008.0000

LOCATION
15881 NE 85TH ST
REDMOND, WASHINGTON

DATE 4/13/23
DRAWN BY ..... AM
REVIEWED BY ..... RM


TRC
FIGURE 4
SITE REPRESENTATION
REPORT
CAP MONITORING PLAN
PREPARED FOR
MILL CREEK RESIDENTIAL TRUST
LOCATION
15801 NE 85TH ST
REDMOND, WASHINGTON
NE 85TH ST
AREA OF CONTAMINATION
VAPOR BARRIER TRANSITION
RESTRICTED AREA
VAPOR BARRIER EXTENT
30'-0"
30'-0"
30'-0"
TRASH
TRUCK TURNAROUND AREA
FIRE ACCESS EASEMENT
EX RETAINING WALL
PROPERTY CORNER
VAPOR BARRIER EXTENT
SECURED TO THE PERIMETER
CONTINUOUS FOOTING PER
MANUFACTURER STANDARD DETAIL
ELEVATOR PIT
SEE FIGURE 5, DETAIL A
VAPOR
BARRIER
EXTENT
SECURED TO THE
PERIMETER
CONTINUOUS
FOOTING PER
MANUFACTURER
STANDARD DETAIL


VAPOR BLOCK 20 TERMINATED WITH 6-INCH OVERLAP WITH BENTONITE WATERPROOFING (AS SHOWN). SECURED WITH WITH BENTONITE MASTIC PER MANUFACTURER
VAPOR BLOCK 20 TO TERMINATED WITH 6-INCH OVERLAP WITH BENTONITE WATERPROOFING (AS SHOWN). SECURED WITH WITH BENTONITE MASTIC PER MANUFACTURER
UNDERSLAB VAPOR RETARDER AS OCCURS
BENTONITE MASTIC PER MANUFACTURER
TERMINATION BAR AND BENTONITE MASTIC PER MANUFACTURER
HIGH WATER TABLE APPROX. 25'-0" - 25'-6"
BENTONITE MASTIC PER MANUFACTURER
WP2: BENTONITE WATERPROOFING
SLAB ON GRADE
ELEVATOR PIT
KRYTONITE SWELLING WATERSTOP W/ KRYTOMATIC ADHESIVE
KRYTOTOL WATERSTOP TREATMENT
MAT SLAB
TWO LAYERS OF WP2: BENTONITE WATERPROOFING
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ISSAQUAH, WA 98027
425.295.0010
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FIGURE 5
VAPOR BARRIER DETAIL
REPORT
CAP MONITORING PLAN
PREPARED FOR
MILL CREEK RESIDENTIAL TRUST
PROJECT NUMBER
013253.0000.3000
LOCATION
15811 NE 65TH ST
REDMOND, WASHINGTON
DATE 4/13/23
DRAWN BY AM
REVIEWED BY RM

Attachment B
Vapor Barrier Installation and Repair Instructions

VAPORBLOCK® PLUS™ VBP20

UNDER-SLAB VAPOR / GAS BARRIER

RAVEN

PRODUCT DESCRIPTION

VaporBlock® Plus™ 20 is a seven-layer co-extruded barrier made from state-of-the-art polyethylene and EVOH resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission. VaporBlock® Plus™ 20 is a highly resilient underslab / vertical wall barrier designed to restrict naturally occurring gases such as radon and/or methane from migrating through the ground and concrete slab. VaporBlock® Plus™ 20 is more than 100 times less permeable than typical high-performance polyethylene vapor retarders against Methane, Radon and other harmful VOCs.

VaporBlock® Plus™ 20 is one of the most effective underslab gas barriers in the building industry today far exceeding ASTM E-1745 (Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs) Class A, B and C requirements. Available in a 20 (Class A) mil thicknesses designed to meet the most stringent requirements. VaporBlock® Plus™ 20 is produced within the strict guidelines of our ISO 9001:2008 Certified Management System.

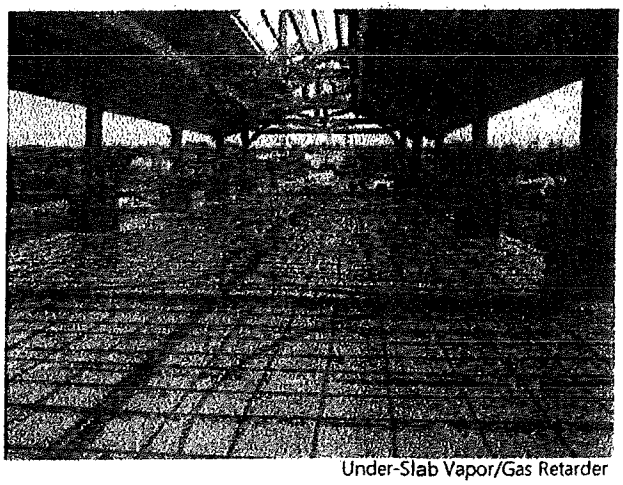
PRODUCT USE

VaporBlock® Plus™ 20 resists gas and moisture migration into the building envelop when properly installed to provide protection from toxic/harmful chemicals. It can be installed as part of a passive or active control system extending across the entire building including floors, walls and crawl spaces. When installed as a passive system it is recommended to also include a ventilated system with sump(s) that could be converted to an active control system with properly designed ventilation fans.

VaporBlock® Plus™ 20 works to protect your flooring and other moisture-sensitive furnishings in the building's interior from moisture and water vapor migration, greatly reducing condensation, mold and degradation.

SIZE & PACKAGING

VaporBlock® Plus™ 20 is available in 10' x 150' rolls to maximize coverage. All rolls are folded on heavy-duty cores for ease in handling and installation. Other custom sizes with factory welded seams are available based on minimum volume requirements. Installation instructions and ASTM E-1745 classifications accompany each roll.



Under-Slab Vapor/Gas Retarder

PRODUCT	PART #
VaporBlock® Plus™ 20	VBP20

APPLICATIONS

- Radon Barrier
- Methane Barrier
- VOC Barrier
- Under-Slab Vapor Retarder
- Foundation Wall Vapor Retarder

VaporBlock® Plus™
UNDERSLAB VAPOR RETARDER / GAS BARRIER

VAPORBLOCK® PLUS™ VBP20

UNDER-SLAB VAPOR / GAS BARRIER

PROPERTIES	TEST METHOD	VAPORBLOCK® PLUS™ 20 IMPERIAL	VAPORBLOCK® PLUS™ 20 METRIC
APPEARANCE		White/Gold	
THICKNESS, NOMINAL.		20 mil	0.51 mm
WEIGHT		102 lbs/MSF	498 g/m²
CLASSIFICATION	ASTM E 1745	CLASS A, B & C	
[3] TENSILE STRENGTH	ASTM E 154 Section 9 (D-882)	58 lbf	102 N
IMPACT RESISTANCE	ASTM D 1709	2600 g	
PERMEANCE (NEW MATERIAL)	ASTM E 154 Section 7 ASTM E 96 Procedure B	0.0098 Perms grains/(ft²·hr·in·Hg)	0.0064 Perms g/(24hr·m²·mm Hg)
PERMEANCE (AFTER CONDITIONING) (SAME MEASUREMENT AS ABOVE PERMEANCE)	ASTM E 154 Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0079 0.0079 0.0097 0.0113	0.0052 0.0052 0.0064 0.0074
WVTR	ASTM E 96 Procedure B	0.0040 grains/hr-ft²	0.0028 gm/hr-m²
BENZENE PERMEANCE	See Note [6]	1.57E-10 m/s	
TOLUENE PERMEANCE	See Note [6]	2.18E-10 m/s	
ETHYLBENZENE PERMEANCE	See Note [6]	1.71E-10 m/s	
M & P-XYLENES PERMEANCE	See Note [6]	1.62E-10 m/s	
O-XYLENE PERMEANCE	See Note [6]	1.53E-10 m/s	
RADON DIFFUSION COEFFIECIENT	K124/02/95	< 1.1 x 10^{-13} m²/s	
METHANE PERMEANCE	ASTM D 1434	3.68E-12 m/s Gas Transmission Rate (GTR): 0.32 mL/m²·day·atm	
MAXIMUM STATIC USE TEMPERATURE		180° F	82° C
MINIMUM STATIC USE TEMPERATURE		- 70° F	- 57° C

[3] Tests are an average of machine and transverse directions.
[6] Aqueous Phase Film Permeance.
Permeation of Volatile Organic Compounds through EVOH Thin Film Membranes and Coextruded LLDPE/EVOH/LLDPE Geomembranes, McWatters and Rowe, Journal of Geotechnical and Geoenvironmental Engineering© ASCE/September 2015. (Permeation is the Permeation Coefficient adjusted to actual film thickness)

VaporBlock® Plus™ Placement

All instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions accompany each roll of VaporBlock® Plus™ and can also be located on our website.
ASTM E-1643 also provides general installation information for vapor retarders.

VaporBlock® Plus™
UNDERSLAB VAPOR RETARDER / GAS BARRIER

VaporBlock® Plus™ is a seven-layer co-extruded barrier made using high quality virgin-grade polyethylene and EVOH resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission.

Scan QR Code to download current technical data sheets via the Raven website.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.RavenEFD.com

RAVEN ENGINEERED FILMS
P.O. Box 5107 Sioux Falls, SD 57117-5107
Ph: +1 (605) 335-0174 • TF: +1 (800) 635-3456
efdsales@ravenind.com
www.ravenefd.com

RAVEN

VaporBlock® Plus™

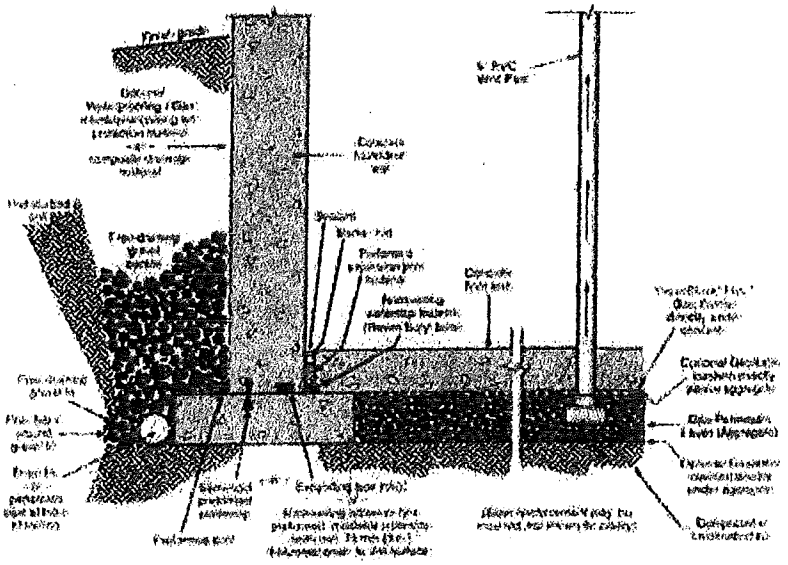
UNDERSLAB VAPOR RETARDER / GAS BARRIER

INSTALLATION GUIDELINES - With VaporSeal™ Tape

Please Note: Read these instructions thoroughly before installation to ensure proper use of VaporBlock® Plus™. ASTM E 1465, ASTM E 2121 and, ASTM E 1643 also provide valuable information regarding the installation of vapor / gas barriers. When installing this product, contractors shall conform to all applicable local, state and federal regulations and laws pertaining to residential and commercial building construction.

- When VaporBlock® Plus™ gas barrier is used as part of an active control system for radon or other gas, a ventilation system will be required.
- If designed as a passive system, it is recommended to install a ventilation system that could be converted to an active system if needed.

Materials List:
VaporBlock® Plus™ Vapor / Gas Barrier
VaporSeal™* 4" Seaming Tape
VaporSeal™* 12" Seaming/Repair Tape
Butyl Seal 2-Sided Tape
VaporBoot Plus Pipe Boots 12/Box (recommended)
VaporBoot Tape (optional)
POUR-N-SEAL™ (optional)
1" Foam Weather Stripping (optional)
Mako® Screed Supports (optional)



Elements of a moisture/gas-resistant floor system. General illustration only. (Note: This example shows multiple options for waterstop placement.

VAPORBLOCK® PLUS™ PLACEMENT

1.1. Level and tamp or roll granular base as specified. A base for a gas-reduction system may require a 4" to 6" gas permeable layer of clean coarse aggregate as specified by your architectural or structural drawings after installation of the recommended gas collection system. In this situation, a cushion layer consisting of a non-woven geotextile fabric placed directly under VaporBlock® Plus™ will help protect the barrier from damage due to possible sharp coarse aggregate.

1.2. Unroll VaporBlock® Plus™ running the longest dimension parallel with the direction of the pour and pull open all folds to full width. (Fig. 1)

1.3. Lap VaporBlock® Plus™ over the footings and seal with Raven Butyl Seal tape at the footing-wall connection. Prime concrete surfaces, when necessary, and assure they are dry and clean prior to applying Raven Butyl Seal Tape. Apply even and firm pressure with a rubber roller. Overlap joints a minimum of 6" and seal overlap with 4" VaporSeal™ Tape. When used as a gas barrier, overlap joints a minimum of 12" and seal in-between overlap with an optional 2-sided Raven Butyl Seal Tape. Then seal with 4" VaporSeal™ Tape centered on the overlap seam. (Fig. 2)

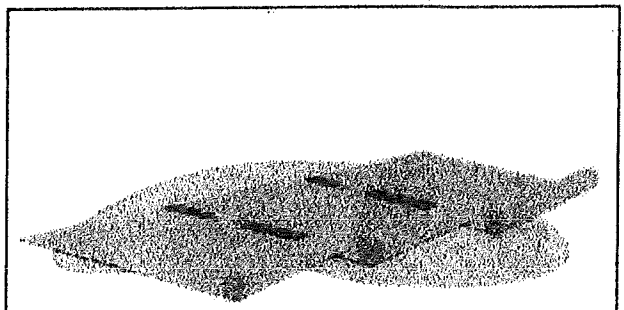


Fig. 1: VaporBlock® Plus™ Overlapping Roll-out Method

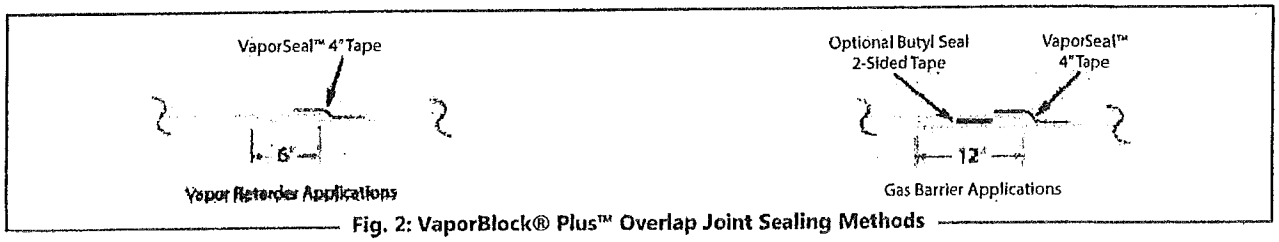


Fig. 2: VaporBlock® Plus™ Overlap Joint Sealing Methods

SINGLE PENETRATION PIPE BOOT INSTALLATION

1.4. Seal around all plumbing, conduit, support columns or other penetrations that come through the VaporBlock® Plus™ membrane.

1.4a. **Method 1:** Pipes four inches or smaller can be sealed with Raven VaporBoot Plus preformed pipe boots. VaporBoot Plus preformed pipe boots are formed in steps for 1", 2", 3" and 4" PVC pipe or IPS size and are sold in units of 12 per box (Fig. 3 & 5).

Pipe boots may also be fabricated from excess VaporBlock® Plus™ membrane (Fig. 4 & 6) and sealed with VaporBoot Tape or VaporSeal™ Tape (sold separately).

1.4b. **Method 2:** To fabricate pipe boots from VaporBlock® Plus™ excess material (see Fig. 4 & 6 for A-F):

A) Cut a square large enough to overlap 12" in all directions.

B) Mark where to cut opening on the center of the square and cut four to eight slices about 3/8" less than the diameter of the pipe.

C) Force the square over the pipe leaving the tightly stretched cut area around the bottom of the pipe with approximately a 1/2" of the boot material running vertically up the pipe. (no more than a 1/2" of stretched boot material is recommended)

D) Once boot is positioned, seal the perimeter to the membrane by applying 2-sided Raven Butyl Seal Tape in between the two layers. Secure boot down firmly over the membrane taking care not to have any large folds or creases.

E) Use VaporBoot Tape or VaporSeal™ Tape to secure the boot to the pipe.

VaporBoot Tape (option) – fold tape in half lengthwise, remove half of the release liner and wrap around the pipe allowing 1" extra for overlap sealing. Peel off the second half of the release liner and work the tape outward gradually forming a complete seal.

VaporSeal™ Tape (option) - Tape completely around pipe overlapping the VaporBlock® Plus™ square to create a tight seal against the pipe.

F) Complete the process by taping over the boot perimeter edge with VaporSeal™ Tape to create a monolithic membrane between the surface of the slab and gas/moisture sources below and at the slab perimeter. (Fig. 4 & 6)

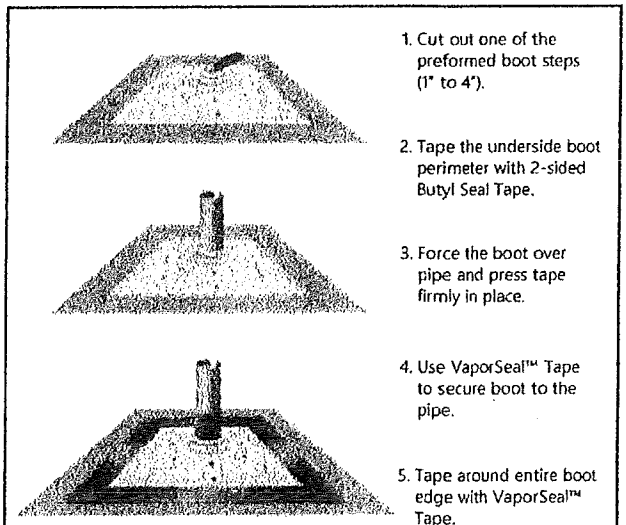


Fig. 3

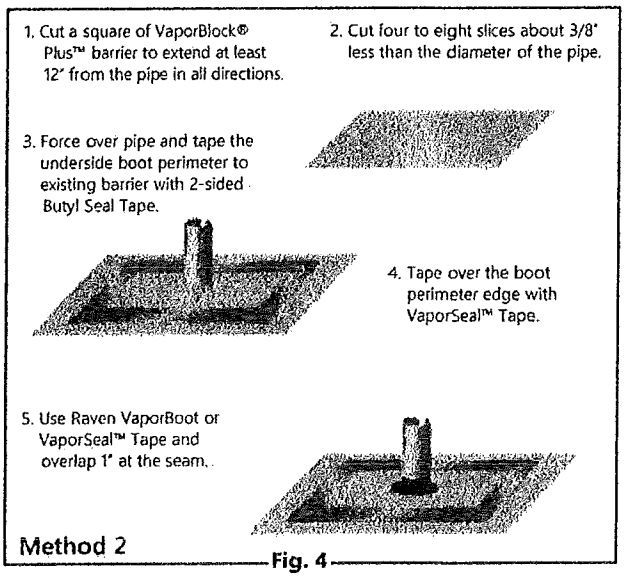


Fig. 4

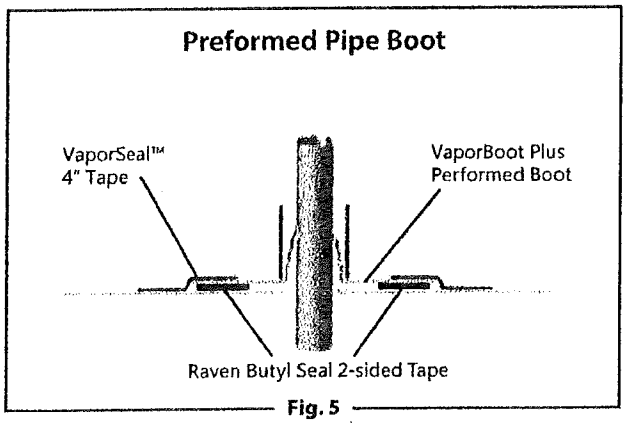


Fig. 5

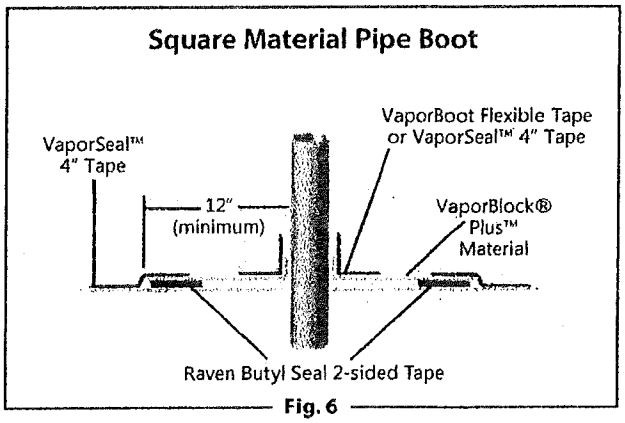


Fig. 6

MULTIPLE PENETRATION PIPE BOOT INSTALLATION

1.5. Sealing side-by-side multiple penetrations (option 1);

A) Cut a patch large enough to overlap 12" in all directions (Fig. 7) of penetrations.

B) Mark where to cut openings and cut four to eight slices about 3/8" less than the diameter of the penetration for each.

C) Force patch material over penetration to achieve a tight fit and form a lip.

D) Once patch is positioned, seal the perimeter to the membrane by applying 2-sided Raven Butyl Seal Tape in-between the two layers. (Fig. 8)

E) After applying Raven Butyl Seal Tape between the patch and membrane, tape around each of the penetrations and the patch with VaporSeal™ 4" tape. (Fig. 9) For additional protection apply POUR-N-SEAL™ or an acceptable polyurethane elastomeric sealant around the penetrations. (Fig. 10)

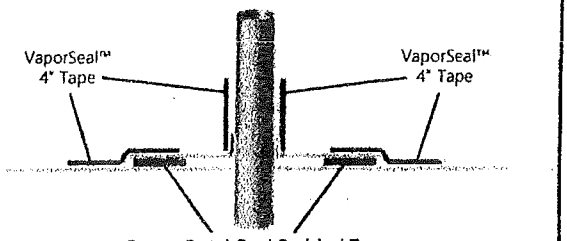


Fig. 6

Option 1

Cut a patch large enough to overlap 12" in all directions and slide over penetrations (Make openings as tight as possible.)

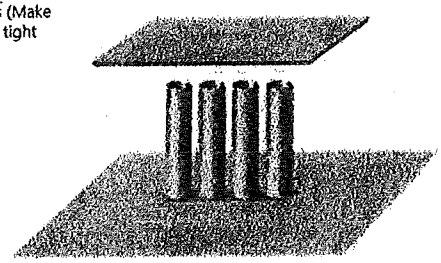


Fig. 7

Once the overlay patch is positioned, seal the perimeter to the membrane by applying 2-sided Raven Butyl Seal Tape in-between the two layers.

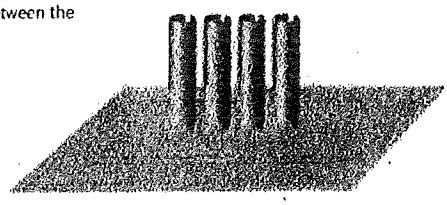


Fig. 8

After applying Raven Butyl Seal Tape between the patch and membrane, tape around the perimeter of the penetration and the patch with VaporSeal™ 4" Tape.

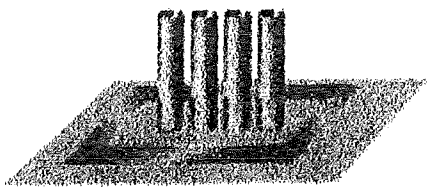


Fig. 9

For additional protection apply POUR-N-SEAL™ or an acceptable polyurethane elastomeric sealant around the penetrations.

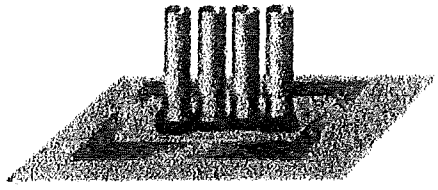


Fig. 10

Option 2

1.6. POUR-N-SEAL™ method of sealing side-by-side multiple penetrations (option 2);

A) Install the vapor barrier as closely as possible to pipe penetrations to minimize the amount of POUR-N-SEAL™ necessary to seal around all penetrations.

B) Once barrier is in place, remove soil or other particles with a dry cloth or a fine broom to allow for improved adhesion to the POUR-N-SEAL™ liquid.

C) Create a dam around the penetration area approximately 2" away from the pipe or other vertical penetrations by removing the release liner from the back of a 1" weather stripping foam and adhere to the vapor barrier. Form a complete circle to contain the POUR-N-SEAL™ materials (Fig. 11).

D) Once mixed, pour contents around the pipe penetrations. If needed, a brush or a flat wooden stick can be used to direct the sealant completely around penetrations creating a complete seal (Fig. 12-13).

E) DO NOT leave excess POUR-N-SEAL™ in plastic container for longer than the time it takes to pour sealant.

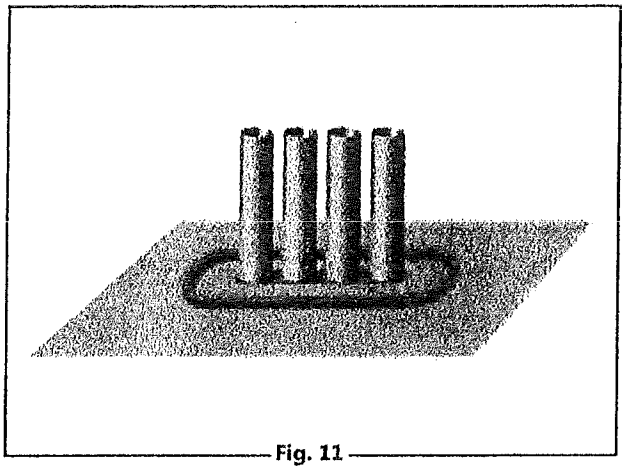


Fig. 11

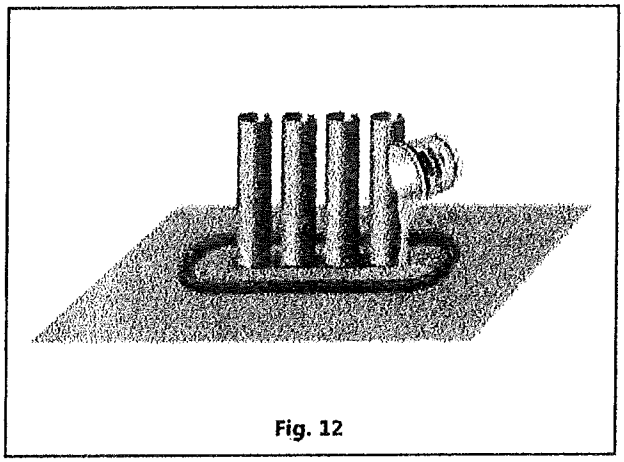


Fig. 12

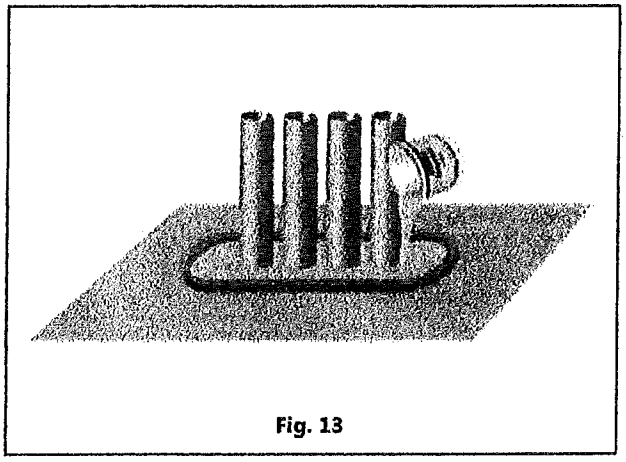


Fig. 13

VAPORBLOCK® PLUS™ REPAIR INSTRUCTIONS

1.7. Proper installation requires all holes and openings are repaired prior to placing concrete. When patching small holes, simply cut a 12" long piece of 12" wide VaporSeal™ tape. Remove release liner and center over the opening. Apply pressure to create a seal (Fig. 14-15).

1.8. When installing VaporBlock® Plus™ around pipe penetrations, vertical columns, electrical ducts and other obstructions, you will find it necessary to cut it to the nearest outside edge. This cut can be easily sealed with 12" wide VaporSeal™ tape, by simply centering it over the cut, 6" on either side. Once the tape is placed correctly, apply pressure to assure a complete seal (Fig. 16).

Reminder Note: All holes or penetrations through the membrane will need to be patched with 12" VaporSeal™ Tape.

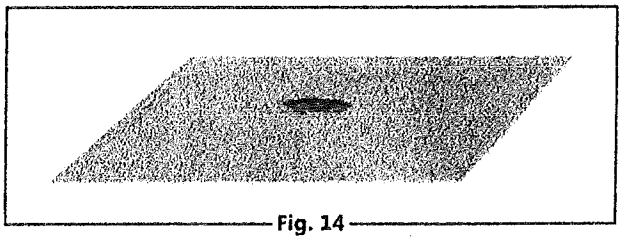


Fig. 14

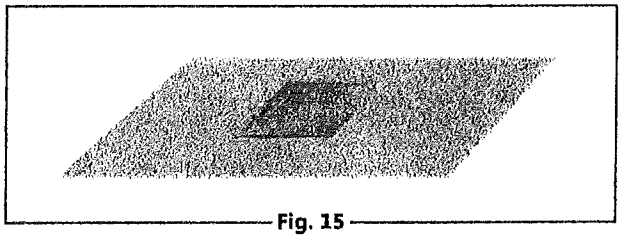


Fig. 15

VAPORBLOCK® PLUS™ PROTECTION

2.1. When installing reinforcing steel and utilities, in addition to the placement of concrete, take precaution to protect VaporBlock® Plus™. Carelessness during installation can damage the most puncture-resistant membrane. Sheets of plywood cushioned with geotextile fabric temporarily placed on VaporBlock® Plus™ provide for additional protection in high traffic areas including concrete buggies.

2.2. Use only brick-type or chair-type reinforcing bar supports to protect VaporBlock® Plus™ from puncture.

2.3. Avoid driving stakes through VaporBlock® Plus™. If this cannot be avoided, each individual hole must be repaired per section 1.7.

2.4. To avoid penetrating VaporBlock® Plus™ when installing screed supports, utilize non-penetrating support, such as the Mako® Screed Support System (Fig. 17). Avoid driving stakes through VaporBlock® Plus™. If this cannot be avoided, each individual hole must be repaired per figures 14-15.

2.5. If a cushion or blotter layer is required in the design between VaporBlock® Plus™ and the slab, additional care should be given if sharp crushed rock is used. Washed rock will provide less chance of damage during placement. Care must be taken to protect blotter layer from precipitation before concrete is placed.

VaporBlock® Plus™ Gas & Moisture Barrier can be identified on site as gold/white in color printed in black ink with following logo and classification listing (Fig. 18)

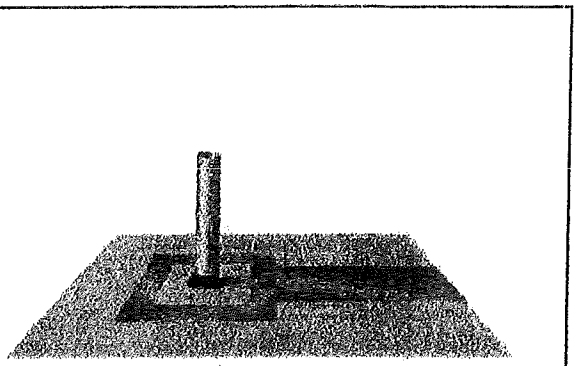


Fig. 16

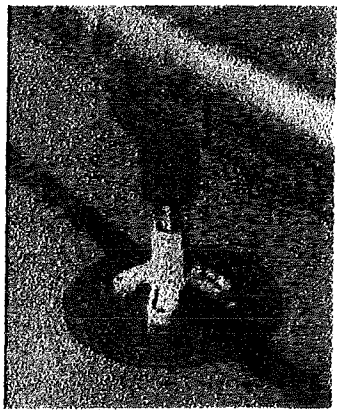


Fig. 17

VaporBlock® Plus™
Gas & Moisture Barrier

VaporBlock® Plus™
UNDERSLAB VAPOR RETARDER / GAS BARRIER

Fig. 18

* Patent Pending

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, nor guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at wwww.RavenEFD.com

RAVEN
ENGINEERED FILMS
P.O. Box 5107 Sioux Falls, SD 57117-5107
Ph: +1 (605) 335-0174 • TF: +1 (800) 635-3456
efdsales@ravenind.com
www.ravenefd.com

020316 EFD 1127

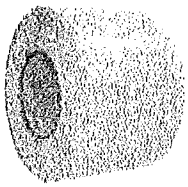
ACCESSORIES

SEAMING TAPES & OTHER ACCESSORIES FOR PLASTIC SHEETING

From tie-down fasteners to field seaming tape, Raven Industries has the accessories you need to maximize your film's versatility and minimize installation time on the job.

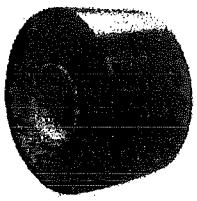
ACCESSORY TAPES AND EPOXY

VaporBond Tape (TVB4)



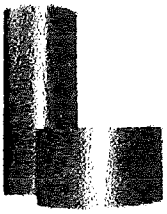
This white single-sided tape combines a heavy-duty, weather-resistant polyethylene backing with an aggressive rubber adhesive. , VaporBond Tape offers excellent seaming capabilities for our materials with an "Easy Tear" feature to reduce installation time. TVB4 has a WVTR of 0.18 perms per ASTM D3833. Typical applications include vapor retarders, covers and liners.
Available in 4" x 210' roll.

R25B Tape (R25B)



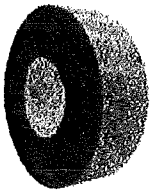
R25B Tape is a single sided aggressive synthetic elastomeric adhesive that bonds instantly to properly prepared polyethylene and polypropylene. The black polymer backing and adhesive is specially formulated to provide years of performance even in direct sunlight. A poly release liner provides for ease of installation.
Available in 4" x 100' roll.

VaporSeal™ Tape (TVSP4/TVSP12)



VaporSeal™ Tape is a patented single-sided 7-layer gas barrier tape with a release liner for ease of installation. The backing contains a layer of highly impermeable EVOH designed to block migration of radon, methane and VOC's. An aggressive acrylic adhesive provides outstanding adhesion to polyethylene over a wide temperature range. Typical uses include joining, repairing and sealing gas/moisture barriers.
Available in 4" x 160' and 12" x 50' rolls.

Butyl Seal Tape (TP2BR)



Butyl seal is a double-sided reinforced aggressive black butyl rubber tape used to join panels of polyethylene and polypropylene together by overlapping the edges and applying Butyl Seal in between. It is also used to adhere to concrete walls and footings when properly prepared. Butyl Seal is non-hardening and flexible.
Available in 2" x 50' roll.

VaporBoot Tape (TBOOT)

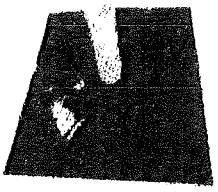
VaporBoot Tape is a single-sided elastomeric butyl tape used to complete pipe boot installations (sealing the boot to the pipe). The 100% stretchable Butyl adhesive features excellent adhesion values and 3-D stretching that can be easily molded to multiple surfaces without any creases and folds.
Available in 2" x 16.4' roll.

POUR-N-SEAL™ (PNS1G)

POUR-N-SEAL™ is a gray two part epoxy used to seal around multi-pipe penetrations in areas where pipe boots are not practical, when installing VaporBlock or Absolute Barrier. The POUR-N-SEAL system includes 25 lineal feet of a 1" adhesive-backed foam to form a dam around multi-pipe penetrations to contain POUR-N-SEAL™ during the setting process.

ADDITIONAL ACCESSORIES

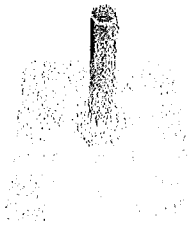
VaporBoot\VaporBoot G System (VBOOT\VBOOTG)



The VaporBoot System is designed to assist in securing pipe and other penetrations that run vertically through the vapor retarder material. The VaporBoot System offers a quick solution and is delivered to the jobsite in a complete package. VaporBoots are produced from high performance VaporBlock® and VaporBlock® G™ material.

Package Contents:
25 - VaporBoots (18" x 18", w/precut center marker)
1 - roll of VaporBoot Tape

VaporBoot Plus Preformed Pipe Boots (VBPBT)



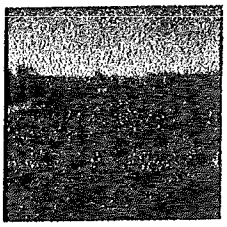
VaporBoot Plus Preformed Pipe Boots are produced from heavy 40 mil co-extruded polyethylene and barrier resins for excellent strength and durability. The preformed boots are stepped to fit 1" to 4" wide pipe penetrations. VaporBoot Plus Preformed Pipe Boots are available in quantities of 12 per box.

ACCESSORIES

SEAMING TAPES & OTHER ACCESSORIES FOR PLASTIC SHEETING

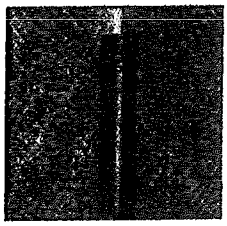
ADDITIONAL ACCESSORIES (CONTINUED)

Dura♦Skrim® Reinforced Sandbags



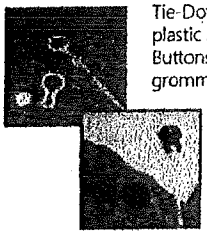
Dura♦Skrim reinforced sandbags are used to secure large covers and liners to prevent wind damage. Stock bags are produced with strong Dura♦Skrim 8 & 12 mil reinforced polyethylene. These 15" wide x 24" long bags are designed to hold 35 lbs. Sandbags are also available in other Raven reinforced materials with minimum order requirements. 11.8" Cable Ties are also available.

Dura-Clip™ (CLIP11)



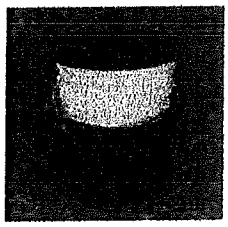
These full size clips are 11" long and fit most commercial scaffolding. Dura-Clips will securely fasten your poly sheeting to scaffolding, reducing wind whip and increasing the life of your enclosure. Clips are normally placed about every 3' onto the enclosure.

Tie-Down Buttons (BUTI) & Tarp Grabbers (BUTEZ)



Tie-Down Buttons & Tarp Grabbers help keep plastic sheeting securely in place. Tie-Down Buttons are designed to eliminate traditional grommets in plastic sheeting up to 10 mil thick and are reusable plastic fittings that are easy to install in any position. Tarp Grabbers are up to 4 times stronger than a brass grommet and are typically used in heavier plastic sheeting from 10 mil to 30 mil thick. Great for equipment covers, large storage covers and truck tarps.

Raven Welding Rod



Raven Welding Rod is used for field seaming, repairs and detail work, such as installing pipe boots. Packaged in 25 lb spools, it is available in 4mm and 5mm sizes to fit most brands of extrusion guns. Raven Welding Rod is made from a thermally UV stabilized LLDPE resin and is available in both black and white to correspond with the color of geomembranes being utilized.

TAPE ACCESSORY PROPERTIES

PROPERTIES	VaporBond Tape (TVB4)	VaporSeal™ Tape (TVSP4)	VaporBoot Tape (TBOOT)	R25B Tape (R25B)	Butyl Seal Tape (TP2BR)
BACKING	6.7 mil Polyethylene	7 mil LDPE	30 mil EPDM	8 mil Multipolymer	NA
ADHESIVE	3.3 mil Rubber Based Pressure-Sensitive	2 mil Acrylic Adhesive Pressure-Sensitive	20 mil Butyl Rubber	17 mil Synthetic Elastomeric	40 mil Butyl Rubber
COLOR	White	Silver	Black	Black	Black
TYPE	Single Sided	Single Sided	Single Sided	Single Sided	Double Sided
SIZE	4" x 210'	4" x 160' / 12" x 50'	2" x 16.4'	4" x 100'	2" x 50'
ROLLS PER CASE	12	12 / 4	64	6	20
WEIGHT PER CASE	45 lbs	50 lbs / 18 lbs	45 lbs	33 lbs	55 lbs
ADHESION VALUES	35 oz. / in. (to steel)	80 oz. / in. (to steel)	145 oz. / in. (to steel)	144 oz. / in. (to steel)	88 oz. / in. (to steel)
PERMS	0.89 g/(24h*100 in²)	0.014 g/(24h*100 in²)	N/A	<0.005 g/(24h*100 in²)	0.82 g/(24h*100 in²)
SERVICE TEMP.	-40° F to +180° F	-40° F to +190° F	+14° F to +122° F	+20° F to +180° F	0° F to +170° F
MIN. APPLICATION TEMP.	50° F	50° F	14° F	35° F	35° F
IDEAL STORAGE TEMP./HUMIDITY	70° F w/ 40-50 %	60°-80° F w/ 40-60 %	70° F w/ 70 %	70° F w/ 40-50 %	70° F w/ 40-50 %

Scan QR Code to download current technical data sheets via the Raven website.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.RavenEFD.com

RAVEN ENGINEERED FILMS
P.O. Box 5107 Sioux Falls, SD 57117-5107
Ph: +1 (605) 335-0174 • TF: +1 (800) 635-3456
efdsales@ravenind.com
www.ravenefd.com

RAVEN

Attachment C
Annual Inspection Summary Report Form

TRC

1180 NW Maple St., Suite 310
Issaquah, WA 98027

T 425.395.0010
TRCcompanies.com

Annual Inspection Summary Report Form
Concrete Floor Slab and Vapor Barrier

Modera River Trail Site
15881 NE 85th Street
Redmond, Washington

Parcel Number: 7198900170
Facility Site ID: 75292
Cleanup Site ID: 15281
Voluntary Cleanup Program ID: NW3292

April 17, 2023

Prepared By:

TRC Environmental Corporation
1180 NW Maple Street, Suite 310
Issaquah, Washington 98027
(425) 395-0010

Attachment B: Annual Inspection Summary Report Form
Cap Monitoring Plan
15881 Northeast 85th Street, Redmond, Washington
April 17, 2023

INTRODUCTION

This Annual Inspection Summary Report Form may be used to document the inspections required under the Environmental Covenant for the properties identified above and described in the Cap Monitoring Plan. Fill out each item listed below and submit to the Washington State Department of Ecology at the following address:

Environmental Covenants Coordinator
Washington State Department of Ecology
Toxics Cleanup Program
P.O. Box 47600
Olympia, WA 98504—7600
(360) 407-6000
ToxicsCleanupProgramHQ@ecy.wa.gov

Attachment B: Annual Inspection Summary Report Form
Cap Monitoring Plan
15881 Northeast 85th Street, Redmond, Washington
April 17, 2023

INSPECTION CHECKLIST

Circle yes or no for each inspection item. If you answer yes, please describe the reason for your answer in the space provided. Use the back of the form or a separate sheet of paper if additional space is needed.

1. Has there been any slab settlement or movement at the facility during the past year? Yes or No?

   If "Yes," please describe: _____

   _____

2. Have there been any new floor penetrations during the past year? Yes or No?

   If "Yes," please describe: _____

   _____

3. Have any new cracks larger than ¼ inch in width been observed during the past year?

   Yes or No? If "Yes," please describe: _____

   _____

4 Has there been any modification to the floor slab that could affect the performance of the vapor barrier in the past year? Yes or No?

   If "Yes", please describe: _____

   _____

5. Have any repairs been made to floor slab over the past year? Yes or No?

   If "Yes," please describe: _____

   _____

This Annual Inspection Summary is due to the Washington State Department of Ecology by _____ each year while the Environmental Covenant is in effect.

For questions about this Annual Inspection Summary Form, contact TRC Environmental Corporation at 425-395-0010.

EXHIBIT F

CONFIRMATIONAL GROUNDWATER MONITORING PLAN

TRC

1180 NW Maple St., Suite 310
Issaquah, WA 98027

T 425.395.0010
TRCcompanies.com

Confirmational Groundwater Monitoring Plan

Modera River Trail Site
15881 NE 85th Street
Redmond, Washington

Parcel Number: 7198900170
Facility Site ID: 75292
Cleanup Site ID: 15281
Voluntary Cleanup Program ID: NW3292

June 2, 2023

Prepared By:

TRC Environmental Corporation
1180 NW Maple Street, Suite 310
Issaquah, Washington 98027
(425) 395-0010

Prepared by:
Ramsey S. Mauldin
Senior Environmental Scientist

Reviewed and Approved by:
Eric Koltes, L.G.
Principal Geologist/Program Manager

TRC Project Number: 015353.0008.0000

QR _____ TR _____

Confirmational Groundwater Monitoring Plan
Modera River Trail Site
15881 NE 85th Street, Redmond, WA
June 2, 2023

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3.0 SCHEDULE 1
4.0 GROUNDWATER SAMPLING PROCEDURES 1
5.0 REPORTING 2
6.0 LIMITATIONS 3

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Figure 1 General Vicinity Map
Figure 2 Site Representation with Groundwater Monitoring Well Locations

Confirmational Groundwater Monitoring Plan
Modera River Trail Site
15881 NE 85th Street, Redmond, WA
June 2, 2023

1.0 INTRODUCTION

This Confirmational Groundwater Monitoring Plan (CGMP) has been prepared for the commercial property at 15881 Northeast 85th Street in Redmond, Washington (parcel number 7198900170, "subject property", or "Site"). The location of the Site is depicted on Figure 1.

This CGMP is required by the Washington State Department of Ecology (Ecology) as a component of an Environmental Covenant (Covenant) filed with King County. The Covenant is required due to contamination remaining at the subject property resulting from creosote-covered piles left in place during development. This CGMP is included in the Covenant as Exhibit F and presents the schedule and procedures for implementing continued groundwater monitoring.

2.0 BACKGROUND

During previous remedial actions, groundwater was assessed for the presence of naphthalenes and carcinogenic polycyclic aromatic hydrocarbons (cPAHs). As part of this work, TRC Environmental Corporation (TRC) directed the installation of two monitoring wells (MW-1 and MW-2) on the north of the subject property. The monitoring well locations are depicted on Figure 2.

During prior sampling events, neither naphthalene nor cPAHs were observed in groundwater at concentrations exceeding Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in any sample collected. This included seasonal data over four quarters of monitoring. Despite groundwater not being impacted, Ecology has requested additional monitoring at the 5-year periodic review. This monitoring was requested due to the proximity of the Site to a City of Redmond drinking water well. The City of Redmond drilling water well is approximately 600 feet to the north.

3.0 SCHEDULE

In accordance with the Covenant, groundwater samples will be collected in the first quarter of 2028. No other sampling dates are proposed as part of this CGMP.

4.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater monitoring and sampling procedures will include measuring water levels and collecting groundwater samples for laboratory analysis.

Prior to sampling, both wells will be opened to allow groundwater elevations to equilibrate after exposure to barometric conditions. Following equilibration, water levels will be collected from both wells using an electric water level meter. Measurements will be collected to the nearest 0.01 foot relative to the northernmost point of top of casing on the well.

After measuring groundwater levels, samples will be collected using standard low-flow methods and single-use sample tubing. Wells will be purged using a peristaltic pump at a flow rate of less than or equal to 100 milliliters per minute. During well purging, field parameters of temperature, pH, conductivity, dissolved oxygen, and oxidation-reduction potential will be recorded using a calibrated water quality meter and flow-through cell. Turbidity will also be measured using a turbidity meter. Field parameters will be recorded every 3 to 5 minutes until groundwater conditions have stabilized. Groundwater conditions will be considered stabilized when at least three consecutive readings meet the following criteria:

- Temperature: ± 3 percent
- pH: ± 0.1
- Conductivity: ± 3 percent
- Dissolved oxygen: ± 10 percent if greater than 0.5 milligrams per liter
- Oxidation-reduction potential: ± 20 millivolts
- Turbidity: ± 10 percent if greater 5 nephelometric turbidity units

Upon parameter stabilization, samples will be retained in laboratory-supplied containers appropriate for the analyses. Each sample container will be immediately labeled and placed into an iced cooler pending delivery to the analytical laboratory. All samples will be handled and transported under standard Chain-of-Custody protocols.

Samples will be submitted for analysis of naphthalenes and cPAHs by U.S. Environmental Protection Agency (EPA) Method 8270E.

5.0 REPORTING

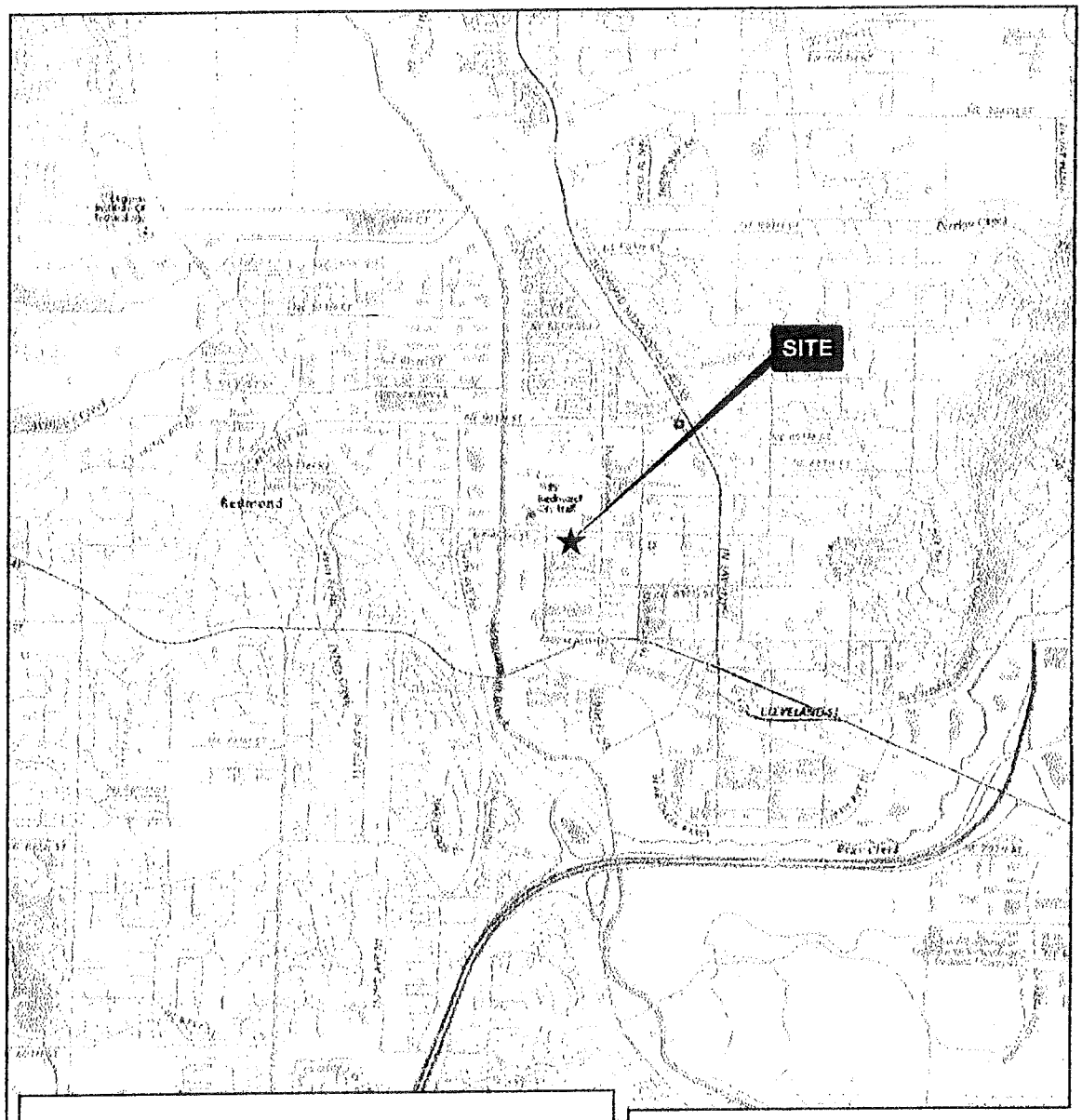
Following receipt of analytical data, a Groundwater Monitoring Report (Report) will be prepared to document the methods and results of the groundwater monitoring event. The Report will include tables summarizing the analytical results, figures depicting sampling locations, and laboratory analytical reports. The Report will be submitted to Ecology within 60 days of completion of the groundwater monitoring event. The Report will be submitted to Ecology at the following address:

Environmental Covenants Coordinator and Periodic Reviewer
Washington State Department of Ecology Northwest Regional Office, Toxics Cleanup Program
PO Box 330316
Shoreline, WA 98133-9716
VCP-NWRO@ECY.WA.gov

6.0 LIMITATIONS

To the extent that preparation of this CGMP required the application of best professional judgment and the application of scientific principles, certain results of this work were based on subjective interpretation. TRC makes no warranties, express or implied, including and without limitation warranties as to merchantability or fitness for a particular purpose. The information provided in this CGMP is not to be construed as legal advice.

Figures



TRC
1180 NW MAPLE ST, SUITE 310
ISSAQUAH, WA 98027
425.395.0010
WWW.TRCCOMPANIES.COM

FIGURE 1
GENERAL VICINITY MAP

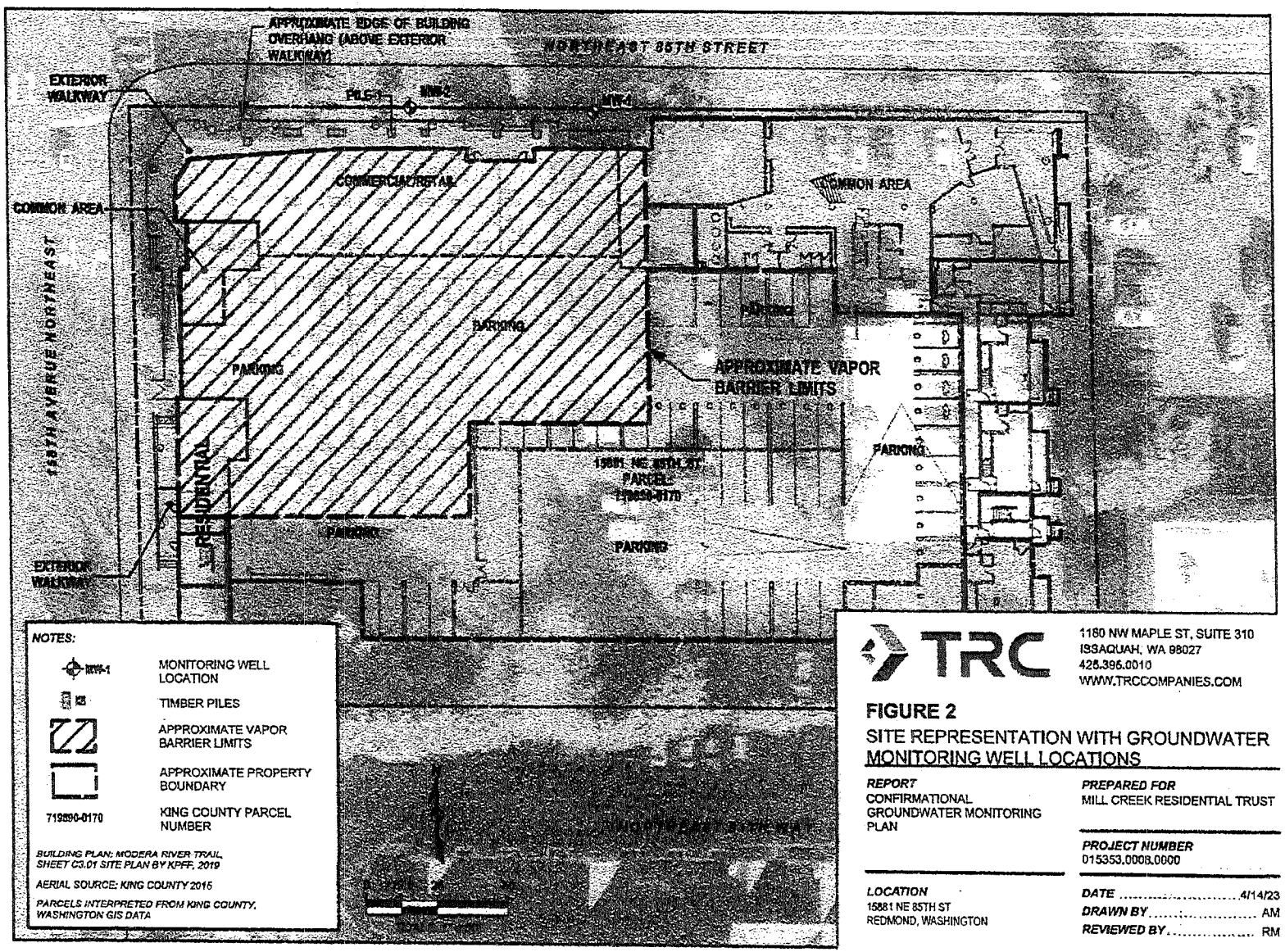
REPORT
CONFIRMATIONAL GROUNDWATER MONITORING PLAN

LOCATION
15881 NE 85TH ST
REDMOND, WASHINGTON

PREPARED FOR
MILL CREEK RESIDENTIAL TRUST

PROJECT NUMBER
015353.0008.0000

DATE 6/3/22
DRAWN BY ..... SR
REVIEWED BY ..... RM



TRC
1180 NW MAPLE ST, SUITE 310
ISSAQUAH, WA 98027
425.396.0010
WWW.TRCCOMPANIES.COM

FIGURE 2

SITE REPRESENTATION WITH GROUNDWATER MONITORING WELL LOCATIONS

REPORT CONFIRMATIONAL GROUNDWATER MONITORING PLAN	***PREPARED FOR*** MILL CREEK RESIDENTIAL TRUST
	PROJECT NUMBER 015353.0008.0000
LOCATION 15881 NE 85TH ST REDMOND, WASHINGTON	***DATE*** 4/14/23
	DRAWN BY AM
	REVIEWED BY RM

Exhibit

SUBORDINATION AGREEMENT

KNOW ALL PERSONS, that Comerica Bank, the owner and holder of that certain Deed of Trust bearing the date of October 18, 2019, executed by NE 85th Street Development, LLC and recorded in the office of the County Auditor of King County, State of Washington on October 22, 2019 under Auditor's File Number 20191022001703, does hereby agree that said Instrument shall be subordinate to the interest of the State of Washington, Department of Ecology, under the environmental covenant to which this Subordination Agreement is attached.

Signature

by: Kevin E. Crayton
Printed Name

Title: SVP- Texas Market

Dated: 7/11/2023

CORPORATE ACKNOWLEDGMENT

STATE OF Texas

COUNTY OF Dallas

On this 11th day of July, 2023, I certify that Kevin E. Crayton personally appeared before me, acknowledged that **he/she** is the SVP- Texas Market of the corporation that executed the within and foregoing instrument, and signed said instrument by free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that **he/she** was authorized to execute said instrument for said corporation.

TINA N SMART
Notary Public
STATE OF TEXAS
My Comm. Exp. 03-23-26
Notary ID # 12563098-6

Notary Public in and for the State of Texas
Residing at

My appointment expires 3-23-26

Enclosure B

Site Description, History, and Diagrams

Site Description

This section provides Ecology's understanding and interpretation of Site conditions, and is the basis for the opinion expressed in the body of the letter.

Site

The Site is defined as naphthalenes and cPAHs released to soil and soil vapor. The Site, on 1.5-acre King County parcel number 7198900170, is located on the southeastern corner of the intersection of NE 85th Street and 158th Avenue NE in Redmond, Washington (Property, **Figure 1**). The current street address associated with the Property is 15881 NE 85th Street; the former street addresses were 15801 and 15945 NE 85th Street.

Area and Property Description

The Property is located in the City of Redmond Downtown neighborhood, in an area zoned as the Sammamish Trail Zone (SMT). The SMT allows for residential and office land uses.

The Property is developed with a six-story mixed-used building (**Figure 2**). The Property is bounded to the north by NE 85th Street, with a library building and its parking lot beyond. The Property is bounded to the south by multi-family residential buildings. The Property is bounded to the east by a two-story dental office building, with another two-story office building beyond. The Property is bounded to the west by 158th Avenue NE, with a seven-story mixed-use building beyond. The Sammamish River and King County Sammamish River Trail are located further west beyond the mixed-use building.

Property History and Current Use

The Property was initially developed in the 1970s with a dental office building located on the southeastern portion of the Property. The address associated with the dental office building was 15945 NE 85th Street. Other portions of the Property remained largely undeveloped. In 1991, a second office building was constructed on the northwestern portion of the Property, with an address 15801 NE 85th Street. Historical operations at the Property included the dental office and other commercial office uses. **Figure 3** depicts the former Property layout, including locations of the two former office buildings.

The current mixed-use building was constructed in 2020. The building consists of retail shops, parking, and six residential units on the ground floor, and residential units on the upper floors.

Sources of Contamination

Soil at the Site is contaminated with naphthalenes and cPAHs. The soil contamination is associated with a total of approximately 50 timber piles that were discovered lying vertically

beneath the former office building on the northwestern portion of the Property. These timber piles are approximately 15 feet in length and 8 inches in diameter. The timber piles were preserved with creosote, which consists of PAHs.

Physiographic Setting

The Site is situated at an elevation of approximately 35 feet above mean sea level. The land surface in the vicinity of the Property is relatively flat, likely due to the floodplain setting.

Surface and Storm Water System

The nearest surface water body is Sammamish River located approximately 500 feet west of the Site (**Figure 1**). The Sammamish River flows north to northwesterly, draining Lake Sammamish located approximately 2 miles south of the Site.

Storm water runoff on and in the vicinity of the Property disperses via sheet flow to catch basins connected to the City of Redmond storm water system located on NE 85th Street, north of the Property.

Ecological Setting

The Site is located in a mixed-use area. The surface on the Property and nearby properties are paved with asphalt or concrete, with small landscaped areas.

Geology

The Site is located within the Puget Sound Lowland Physiographic Province, a north-south trending structural and topographic depression that is bordered on its west side by the Olympic Mountains, and to the east by the Cascade Mountain foothills. The Puget Sound Lowland is underlain by Tertiary volcanic and sedimentary bedrock, and has been filled to the present day land surface with Pleistocene-aged glacial and non-glacial sediments.

Locally, the Site is located in the Sammamish River Valley. A geologic map indicates the near-surface soil in this area is an alluvium deposit, which consists of relatively fine-grained sand, silt, clay, and organic matter. Underneath the alluvium deposit is a glacial outwash layer[1]. Both layers are permeable.

Subsurface investigations indicate that the soil at the Site consists of 1 to 9 feet of silty sand with gravel, followed by a silt layer with varying percentages of organic material to approximately 8 to 13 feet below ground surface (bgs). This layer is interpreted as alluvium.

[1] City of Redmond Department of Public Works, *Wellhead Protection Report*, October 30, 1997.

Underneath the silt layer is a layer of poorly graded sand and gravel to the maximum depth of exploration of 25 feet bgs, which appears to be glacial outwash.

Groundwater

Shallow groundwater is present within the permeable sand and gravel layer (glacial outwash) or the lower portion of alluvium deposit at depths ranging from approximately 5 to 13 feet bgs.

Six temporary monitoring wells were installed in direct-push soil borings DPT-1 through DPT-6 in 2019. Groundwater elevations measured in the temporary monitoring wells indicated that shallow groundwater appears to flow to the west-northwest toward the Sammamish River (**Figure 3**). This inferred groundwater flow direction appears to be consistent with the regional shallow groundwater flow and local topography[1].

Two permanent monitoring wells MW-1 and MW-2 were installed along the northern Property boundary in 2021 (**Figure 2**). These wells were installed to a total depth of 20 feet bgs and screened from 5 to 15 and 6 to 16 feet bgs, respectively.

Three former monitoring wells (B-1, B-2, and B-4) were previously installed as part of a geotechnical investigation (**Figure 3**). These wells were decommissioned prior to the Property redevelopment.

Water Supply

Drinking water for the area is supplied by the City of Redmond, which obtains 60% of its water from the Tolt River watershed, located approximately 15 miles east of Redmond. The other 40% of Redmond's water supply is provided by five municipal water supply wells. The area where the Site is located obtains its water from the municipal water supply wells[2].

The Site is located within the 6-month wellhead protection zone of drinking water supply Well No. 4. Water supply Well No.4 is located approximately 600 feet north of the Site. This water supply well is screened across the same shallow sand and gravel aquifer in which Site groundwater occurs.

Release and Extent of Contamination

Environmental assessments were conducted at the Site since 2019. The groundwater sampling locations are depicted on **Figure 2 and 3**. The soil sampling locations are depicted on **Figure 4**. The air and soil vapor sampling locations are depicted on **Figures 2 and 5**.

[2] City of Redmond, *Water Quality Report*, 2022.

Soil

In November 2019, after timber piles were discovered during the former office building demolition, two wood-material samples (Pile-1 and Pile-2) were collected directly from the timber piles at depths ranging from 3 feet to 5 feet bgs. Nine soil samples (SS-1 through SS-9) were also collected at depths ranging from 4 feet to 6 feet bgs near the timber piles. These wood and soil samples were analyzed for naphthalenes and cPAHs. The two wood samples and three of the soil samples (SS-1, SS-2, and SS-6) contained concentrations of total naphthalenes and cPAHs (total Toxic Equivalency [TEQ]) above the MTCA Method A soil cleanup levels.

In December 2019, twelve soil borings (DPT-1 through DPT-12) were advanced to a total depth of 25 feet bgs. Two soil samples were collected from each soil boring at depths ranging from 1 foot to 25 feet bgs, and analyzed for naphthalenes and cPAHs. The soil sample collected at 5 feet bgs from soil boring DPT-3 contained a cPAH total TEQ above the MTCA Method A soil cleanup level. All other concentrations were below the MTCA Method A soil cleanup levels.

In August 2021, two monitoring wells (MW-1 and MW-2) were advanced to a total depth of 20 feet bgs. Two soil samples were collected from each well boring at depths of 8 and 15 feet bgs, and analyzed for naphthalenes and cPAHs. All soil samples contained naphthalenes and cPAHs below the laboratory RLs and MTCA Method A soil cleanup levels.

Groundwater

In May 2019, three groundwater samples were collected from three former monitoring wells (B-1, B-2, and B-4), and analyzed for cPAHs. Concentrations of cPAHs were below the laboratory reporting limits (RL) in all three groundwater samples.

In December 2019, temporary well screens were installed in soil borings DPT-1 through DPT-6 from 5 to 15 feet bgs. Groundwater samples collected from these six temporary wells contained concentrations of naphthalenes and cPAHs below the MTCA Method A groundwater cleanup levels.

From August 2021 to May 2022, groundwater samples were collected from monitoring wells MW-1 and MW-2 in four consecutive quarters. All groundwater samples contained concentrations of naphthalenes and cPAHs below the laboratory RLs and MTCA Method A groundwater cleanup levels.

Soil Vapor

In December 2019, five soil vapor samples were collected from five soil vapor probes (SG-1 through SG-5) that were installed to a depth of 5 feet bgs on the northwestern portion of the Property. The naphthalene concentrations at SG-3 and SG-4 exceeded the MTCA Method B sub-slab soil gas screening level.

To mitigate the potential vapor intrusion risk to the new building, a vapor barrier was installed underneath the new building (**Figure 6)**.

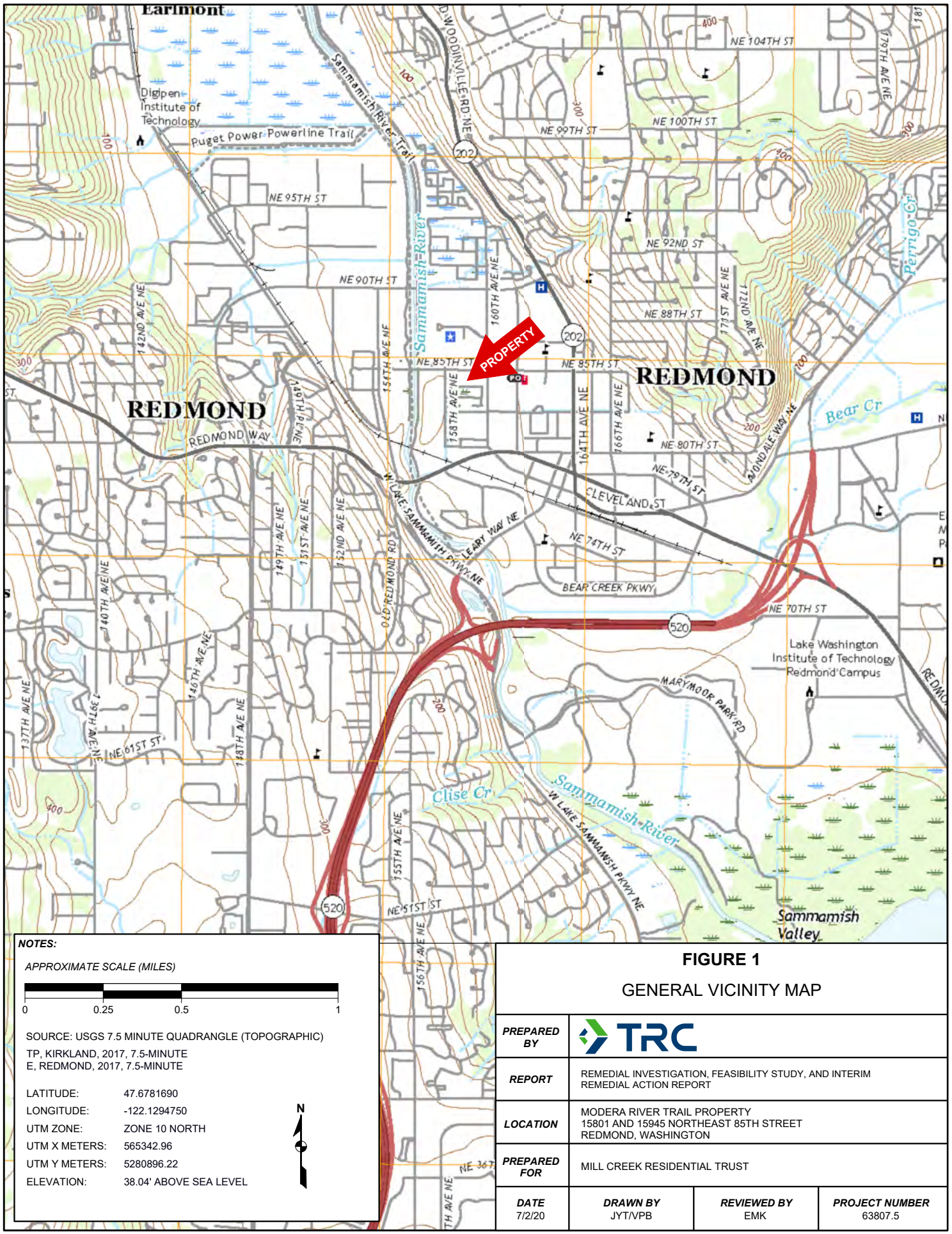
To evaluate the indoor air quality of the new building, indoor air samples were collected at two locations IA-1 and IA-2, at the first floor of the planned retail and residential portion of the building, respectively (**Figure 2**). Three rounds of indoor air samples were collected in February, March, and August 2022. An ambient background air sample AA-1 was collected at the same time when indoor air samples were collected.

The naphthalene concentrations in February 2022 sampling event exceeded the MTCA Method B indoor air cleanup level. However, these exceedances are likely attributed to an ambient above-ground source, such as the presence of construction material at the time of sampling.

The naphthalene concentrations showed a declining trend in indoor air samples, based on the results of the March and August 2022 sampling results. The declining trend is likely due to the removal of construction materials and adjustment of ventilation. The adjusted indoor air concentrations were below the MTCA Method B air cleanup level in these two sampling events.

Site Diagrams

Enclosure B: Figure 1



NOTES:

APPROXIMATE SCALE (MILES)

0 0.25 0.5 1

SOURCE: USGS 7.5 MINUTE QUADRANGLE (TOPOGRAPHIC)
TP, KIRKLAND, 2017, 7.5-MINUTE
E, REDMOND, 2017, 7.5-MINUTE

LATITUDE:	47.6781690
LONGITUDE:	-122.1294750
UTM ZONE:	ZONE 10 NORTH
UTM X METERS:	565342.96
UTM Y METERS:	5280896.22
ELEVATION:	38.04' ABOVE SEA LEVEL

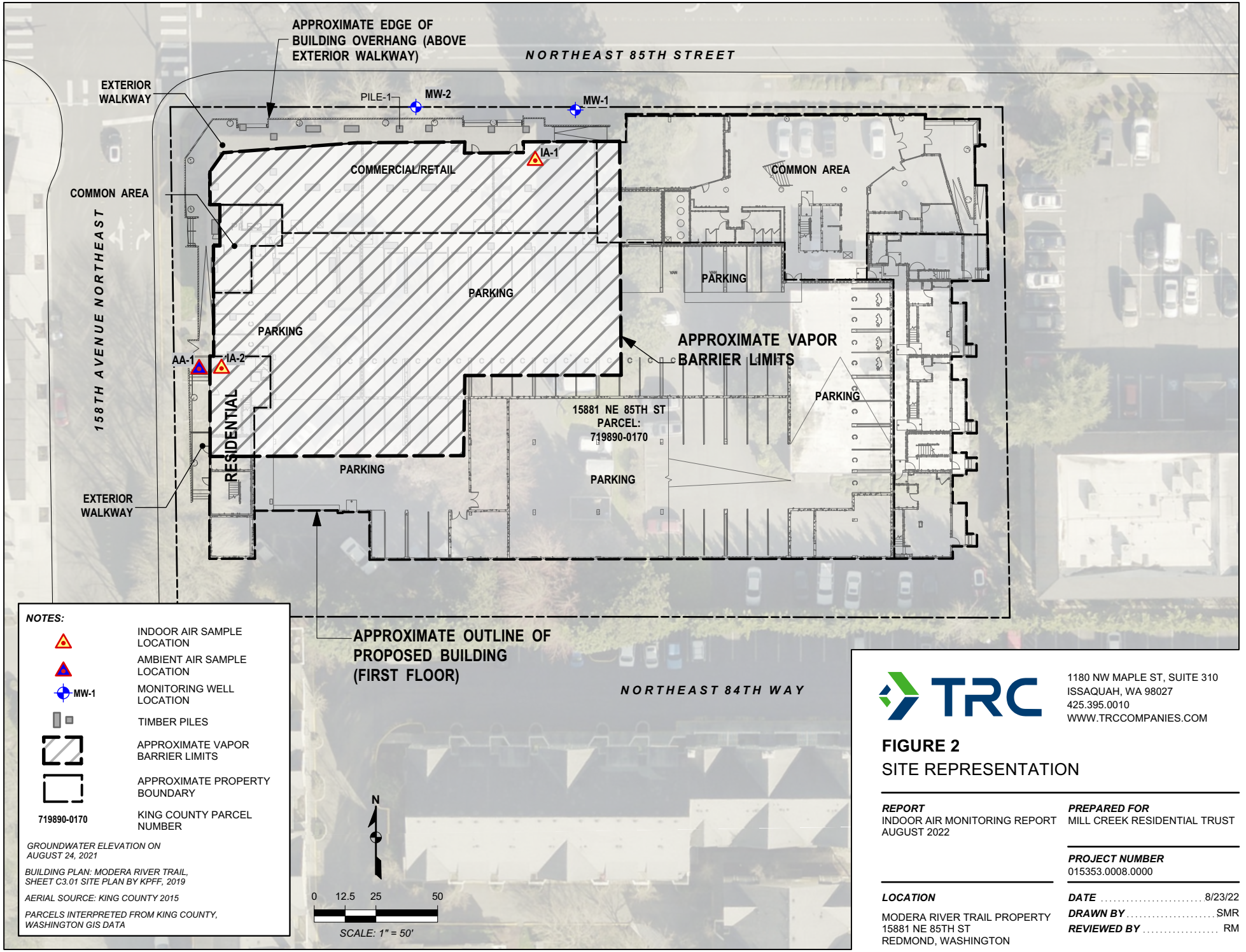
N

FIGURE 1

GENERAL VICINITY MAP

PREPARED BY	TRC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND INTERIM REMEDIAL ACTION REPORT		
LOCATION	MODERA RIVER TRAIL PROPERTY 15801 AND 15945 NORTHEAST 85TH STREET REDMOND, WASHINGTON		
PREPARED FOR	MILL CREEK RESIDENTIAL TRUST		
DATE 7/2/20	***DRAWN BY*** JYT/VPB	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 63807.5

Enclosure B: Figure 2



TRC

1180 NW MAPLE ST, SUITE 310
ISSAQUAH, WA 98027
425.395.0010
WWW.TRCCOMPANIES.COM

FIGURE 2

SITE REPRESENTATION

REPORT
INDOOR AIR MONITORING REPORT
AUGUST 2022

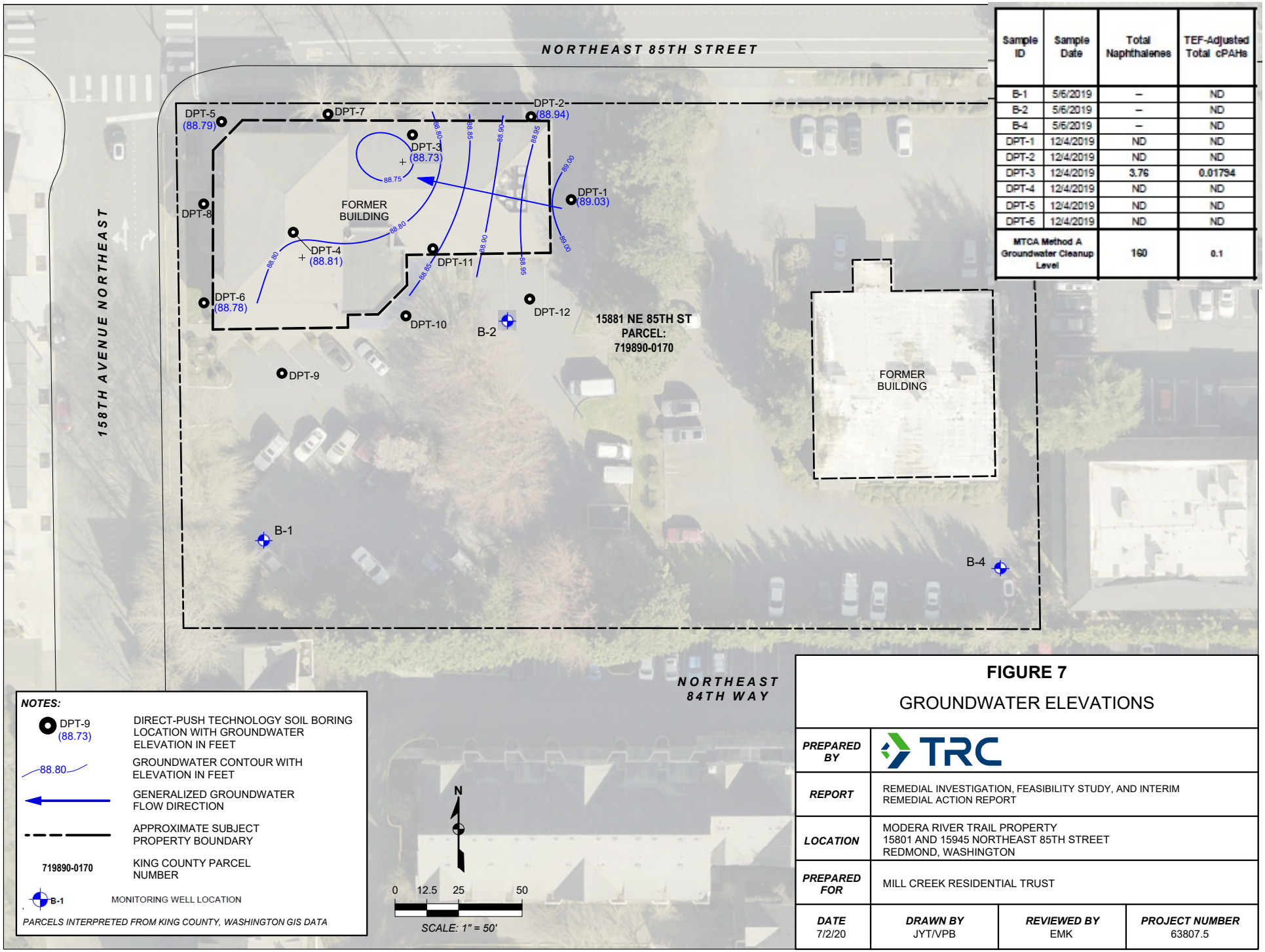
PREPARED FOR
MILL CREEK RESIDENTIAL TRUST

PROJECT NUMBER
015353.0008.0000

LOCATION
MODERA RIVER TRAIL PROPERTY
15881 NE 85TH ST
REDMOND, WASHINGTON

DATE 8/23/22
DRAWN BY ..... SMR
REVIEWED BY ..... RM

Enclosure B: Figure 3



Sample ID	Sample Date	Total Naphthalenes	TEF-Adjusted Total cPAHs
B-1	5/6/2019	–	ND
B-2	5/6/2019	–	ND
B-4	5/6/2019	–	ND
DPT-1	12/4/2019	ND	ND
DPT-2	12/4/2019	ND	ND
DPT-3	12/4/2019	3.76	0.01794
DPT-4	12/4/2019	ND	ND
DPT-5	12/4/2019	ND	ND
DPT-6	12/4/2019	ND	ND
MTCA Method A Groundwater Cleanup Level		160	0.1

NOTES:

- DPT-9 (88.73) — DIRECT-PUSH TECHNOLOGY SOIL BORING LOCATION WITH GROUNDWATER ELEVATION IN FEET
- 88.80 — GROUNDWATER CONTOUR WITH ELEVATION IN FEET
- GENERALIZED GROUNDWATER FLOW DIRECTION
- APPROXIMATE SUBJECT PROPERTY BOUNDARY
- 719890-0170 — KING COUNTY PARCEL NUMBER
- B-1 — MONITORING WELL LOCATION

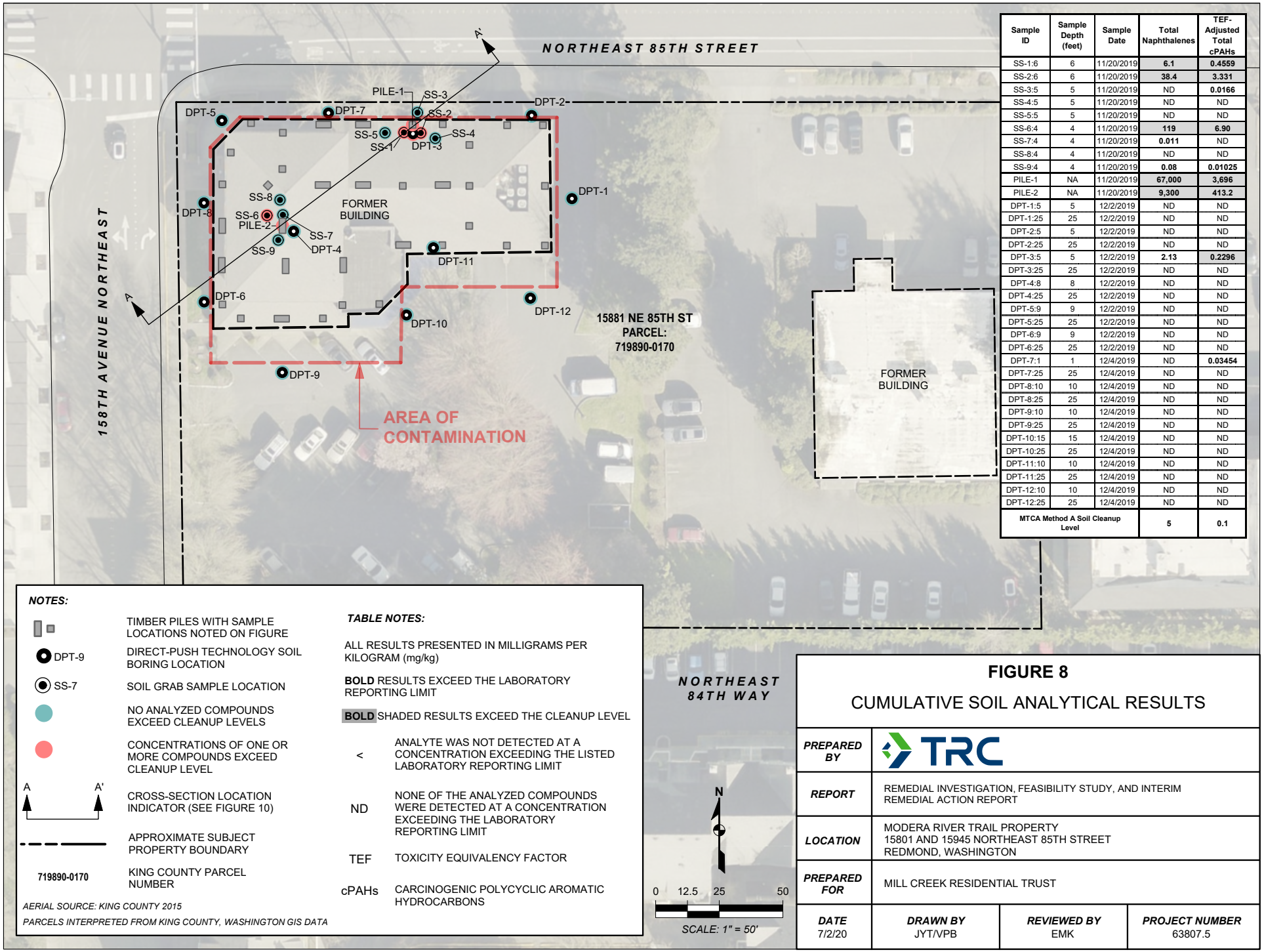
PARCELS INTERPRETED FROM KING COUNTY, WASHINGTON GIS DATA

FIGURE 7

GROUNDWATER ELEVATIONS

PREPARED BY	TRC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND INTERIM REMEDIAL ACTION REPORT		
LOCATION	MODERA RIVER TRAIL PROPERTY 15801 AND 15945 NORTHEAST 85TH STREET REDMOND, WASHINGTON		
PREPARED FOR	MILL CREEK RESIDENTIAL TRUST		
DATE 7/2/20	***DRAWN BY*** JYT/VPB	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 63807.5

Enclosure B: Figure 4



Sample ID	Sample Depth (feet)	Sample Date	Total Naphthalenes	TEF-Adjusted Total cPAHs
SS-1:6	6	11/20/2019	**6.1**	**0.4559**
SS-2:6	6	11/20/2019	**38.4**	**3.331**
SS-3:5	5	11/20/2019	ND	**0.0166**
SS-4:5	5	11/20/2019	ND	ND
SS-5:5	5	11/20/2019	ND	ND
SS-6:4	4	11/20/2019	**119**	**6.90**
SS-7:4	4	11/20/2019	**0.011**	ND
SS-8:4	4	11/20/2019	ND	ND
SS-9:4	4	11/20/2019	**0.08**	**0.01025**
PILE-1	NA	11/20/2019	**67,000**	**3,696**
PILE-2	NA	11/20/2019	**9,300**	**413.2**
DPT-1:5	5	12/2/2019	ND	ND
DPT-1:25	25	12/2/2019	ND	ND
DPT-2:5	5	12/2/2019	ND	ND
DPT-2:25	25	12/2/2019	ND	ND
DPT-3:5	5	12/2/2019	**2.13**	**0.2296**
DPT-3:25	25	12/2/2019	ND	ND
DPT-4:8	8	12/2/2019	ND	ND
DPT-4:25	25	12/2/2019	ND	ND
DPT-5:9	9	12/2/2019	ND	ND
DPT-5:25	25	12/2/2019	ND	ND
DPT-6:9	9	12/2/2019	ND	ND
DPT-6:25	25	12/2/2019	ND	ND
DPT-7:1	1	12/4/2019	ND	**0.03454**
DPT-7:25	25	12/4/2019	ND	ND
DPT-8:10	10	12/4/2019	ND	ND
DPT-8:25	25	12/4/2019	ND	ND
DPT-9:10	10	12/4/2019	ND	ND
DPT-9:25	25	12/4/2019	ND	ND
DPT-10:15	15	12/4/2019	ND	ND
DPT-10:25	25	12/4/2019	ND	ND
DPT-11:10	10	12/4/2019	ND	ND
DPT-11:25	25	12/4/2019	ND	ND
DPT-12:10	10	12/4/2019	ND	ND
DPT-12:25	25	12/4/2019	ND	ND
MTCA Method A Soil Cleanup Level			**5**	**0.1**

NOTES:

- TIMBER PILES WITH SAMPLE LOCATIONS NOTED ON FIGURE
- DPT-9 — DIRECT-PUSH TECHNOLOGY SOIL BORING LOCATION
- SS-7 — SOIL GRAB SAMPLE LOCATION
- NO ANALYZED COMPOUNDS EXCEED CLEANUP LEVELS
- CONCENTRATIONS OF ONE OR MORE COMPOUNDS EXCEED CLEANUP LEVEL
- A — A' — CROSS-SECTION LOCATION INDICATOR (SEE FIGURE 10)
- APPROXIMATE SUBJECT PROPERTY BOUNDARY
- 719890-0170 — KING COUNTY PARCEL NUMBER

AERIAL SOURCE: KING COUNTY 2015

PARCELS INTERPRETED FROM KING COUNTY, WASHINGTON GIS DATA

TABLE NOTES:

ALL RESULTS PRESENTED IN MILLIGRAMS PER KILOGRAM (mg/kg)

BOLD RESULTS EXCEED THE LABORATORY REPORTING LIMIT

BOLD SHADED RESULTS EXCEED THE CLEANUP LEVEL

< — ANALYTE WAS NOT DETECTED AT A CONCENTRATION EXCEEDING THE LISTED LABORATORY REPORTING LIMIT

ND — NONE OF THE ANALYZED COMPOUNDS WERE DETECTED AT A CONCENTRATION EXCEEDING THE LABORATORY REPORTING LIMIT

TEF — TOXICITY EQUIVALENCY FACTOR

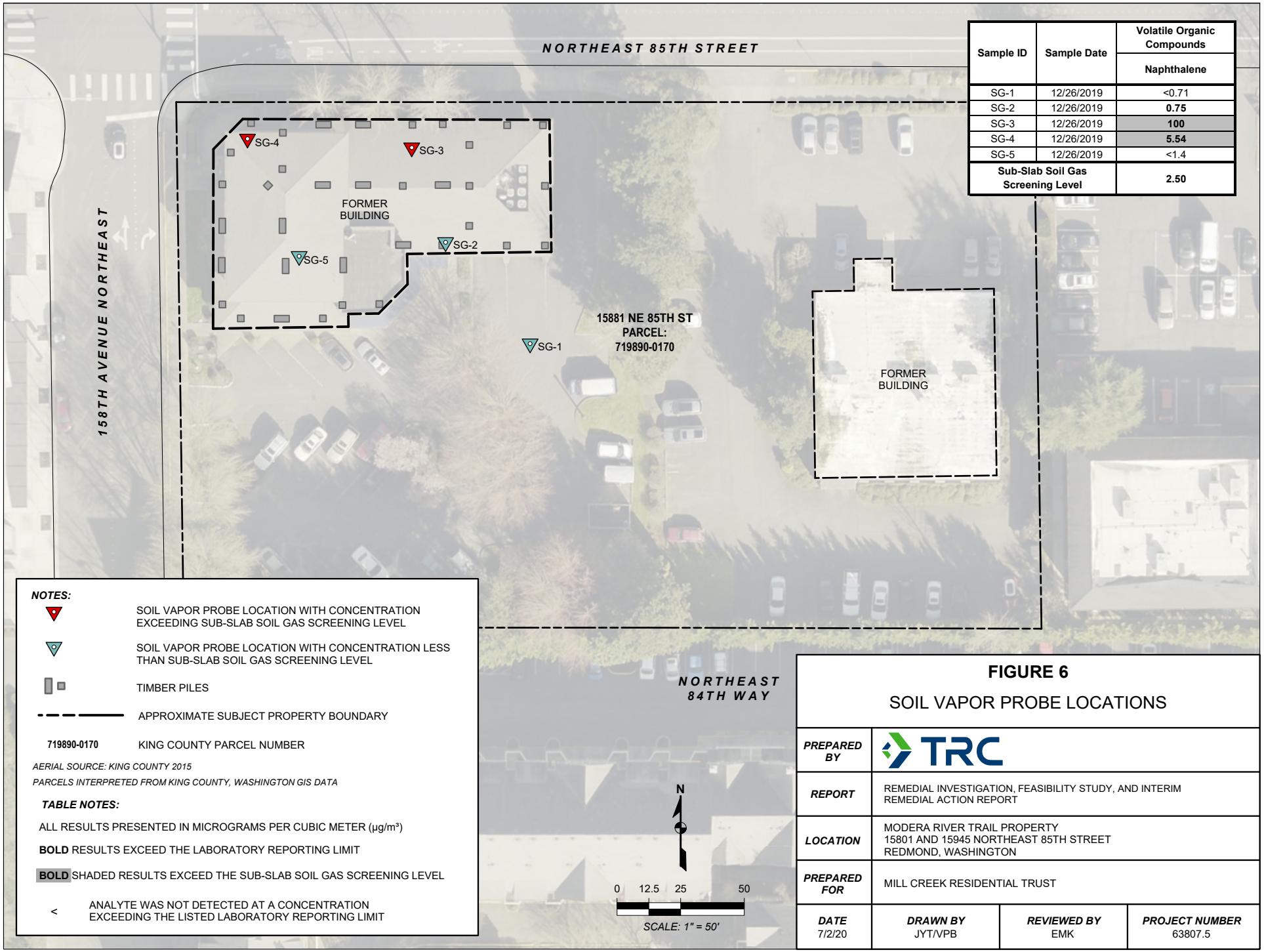
cPAHs — CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS

FIGURE 8

CUMULATIVE SOIL ANALYTICAL RESULTS

PREPARED BY	TRC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND INTERIM REMEDIAL ACTION REPORT		
LOCATION	MODERA RIVER TRAIL PROPERTY 15801 AND 15945 NORTHEAST 85TH STREET REDMOND, WASHINGTON		
PREPARED FOR	MILL CREEK RESIDENTIAL TRUST		
DATE 7/2/20	***DRAWN BY*** JYT/VPB	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 63807.5

Enclosure B: Figure 5



Sample ID	Sample Date	Volatile Organic Compounds
		Naphthalene
SG-1	12/26/2019	<0.71
SG-2	12/26/2019	**0.75**
SG-3	12/26/2019	**100**
SG-4	12/26/2019	**5.54**
SG-5	12/26/2019	<1.4
Sub-Slab Soil Gas Screening Level		**2.50**

NOTES:

SOIL VAPOR PROBE LOCATION WITH CONCENTRATION EXCEEDING SUB-SLAB SOIL GAS SCREENING LEVEL

SOIL VAPOR PROBE LOCATION WITH CONCENTRATION LESS THAN SUB-SLAB SOIL GAS SCREENING LEVEL

TIMBER PILES

APPROXIMATE SUBJECT PROPERTY BOUNDARY

719890-0170 KING COUNTY PARCEL NUMBER

AERIAL SOURCE: KING COUNTY 2015

PARCELS INTERPRETED FROM KING COUNTY, WASHINGTON GIS DATA

TABLE NOTES:

ALL RESULTS PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³)

BOLD RESULTS EXCEED THE LABORATORY REPORTING LIMIT

BOLD SHADED RESULTS EXCEED THE SUB-SLAB SOIL GAS SCREENING LEVEL

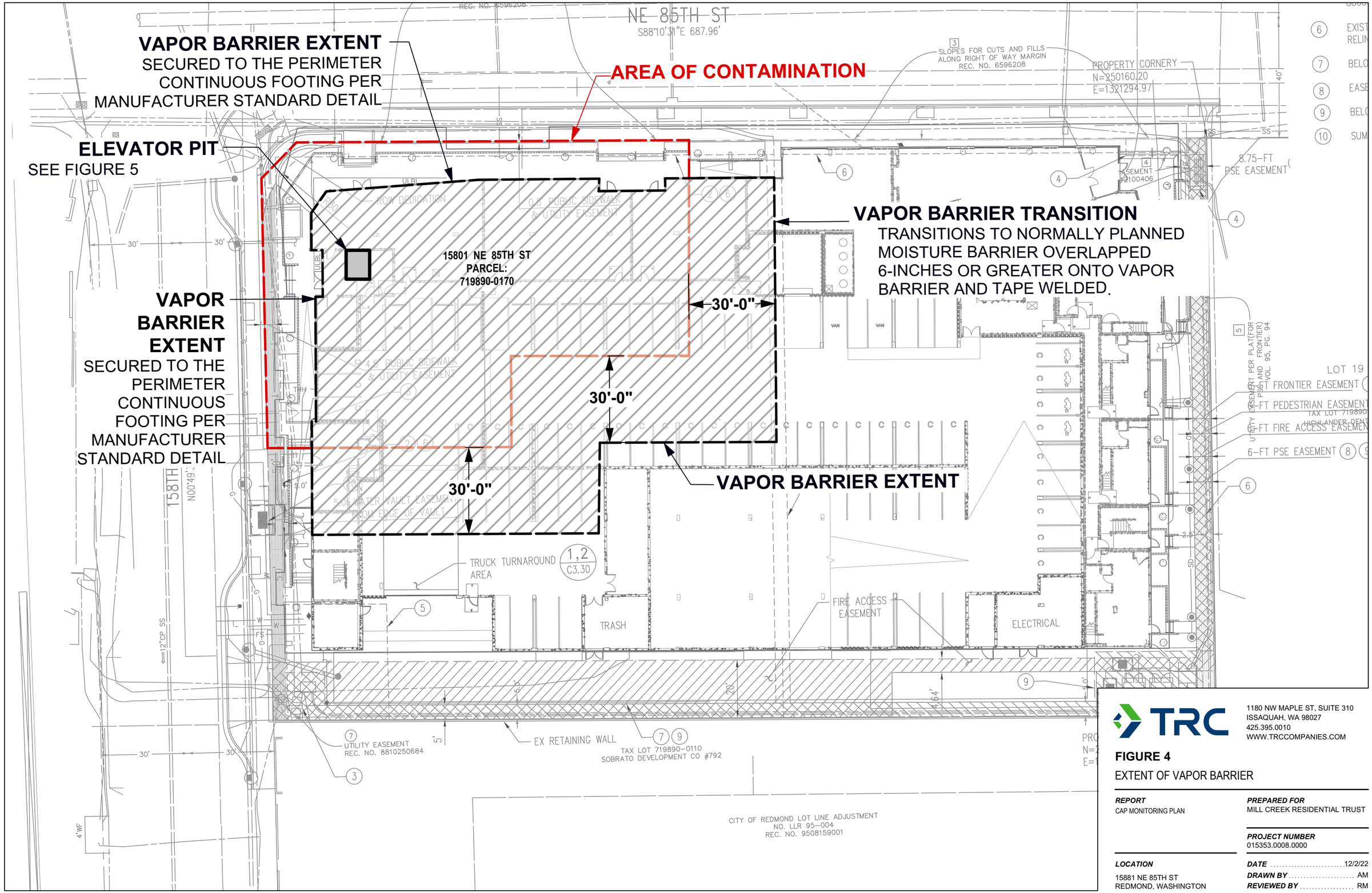
< ANALYTE WAS NOT DETECTED AT A CONCENTRATION EXCEEDING THE LISTED LABORATORY REPORTING LIMIT

FIGURE 6

SOIL VAPOR PROBE LOCATIONS

PREPARED BY	TRC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND INTERIM REMEDIAL ACTION REPORT		
LOCATION	MODERA RIVER TRAIL PROPERTY 15801 AND 15945 NORTHEAST 85TH STREET REDMOND, WASHINGTON		
PREPARED FOR	MILL CREEK RESIDENTIAL TRUST		
DATE 7/2/20	***DRAWN BY*** JYT/VPB	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 63807.5

Enclosure B: Figure 6



TRC

1180 NW MAPLE ST, SUITE 310
ISSAQUAH, WA 98027
425.395.0010
WWW.TRCCOMPANIES.COM

FIGURE 4

EXTENT OF VAPOR BARRIER

REPORT CAP MONITORING PLAN	***PREPARED FOR*** MILL CREEK RESIDENTIAL TRUST
	PROJECT NUMBER 015353.0008.0000
LOCATION 15881 NE 85TH ST REDMOND, WASHINGTON	***DATE*** ..... 12/2/22 ***DRAWN BY*** ..... AM ***REVIEWED BY*** ..... RM

Enclosure C

Basis for the Opinion: List of Documents

1. Environmental Partners Inc., *Phase I Environmental Site Assessment Report, Modera River Trail Property, 15801 and 15945 Northeast 85th Street, Redmond, King County, Washington*, September 25, 2019.
2. TRC Environmental Corporation (TRC), *Remedial Investigation, Feasibility Study, and Interim Remedial Action Report, Modera River Trail Property, 15881 Northeast 85th Street, Redmond, Washington*, August 12, 2020.
3. Department of Ecology, *Further Action at the following Site, Modera River Trail, 15801 & 15945 NE 85th Street, Redmond, WA 98052*, January 29, 2021.
4. TRC, *Response to Ecology Opinion dated January 29, 2021, Modera River Trail Site, 15801 and 15945 NE 85th Street, Redmond, WA 98052*, March 22, 2021.
5. TRC, *Well Installation and Monitoring Report, Modera River Trail, 15801 and 15945 NE 85th Street, Redmond, Washington*, October 11, 2021.
6. TRC, *Indoor Air Monitoring Report, Modera River Trail, 15801 and 15945 NE 85th Street, Redmond, Washington*, June 1, 2022.
7. TRC, *2022 Annual Groundwater Monitoring Report, Modera River Trail, 15801 and 15945 Northeast 85th Street, Redmond, Washington*, August 17, 2022.
8. TRC, *Indoor Air Monitoring Report – August 2022, Modera River Trail, 15881 NE 85th Street, Redmond, Washington*, September 1, 2022.
9. TRC, *Cleanup Action Summary Report, Modera River Trail, 15881 NE 85th Street, Redmond, Washington*, November 4, 2022.