Return Address: Sunny Becker Toxics Cleanup Program Department of Ecology Northwest Regional Office P.O. Box 330316 Shoreline, WA 98133-9716 Please print or type information WASHINGTON STATE RECORDER'S Cover Sheet (RCW 65.04) Document Title(s) (or transactions contained therein); (all areas applicable to your document must be filled in) 1. Environmental Covenant Reference Number(s) of Documents assigned or released: **1ST AM** CM-5905 Additional reference #'s on page \_\_\_\_\_ of document **Grantor(s)** Exactly as name(s) appear on document THIS DOCUMENT IS RECORDED 1. State of Washington, Department of Natural Resources AS A COURTESY ONLY FIRST AMERICAN TITLE INSURANCE CO ASSUMES NO LIABILITY FOR SUFFICIENCY, VALIDITY OR ACCURACY Additional names on page of document. **Grantee(s)** Exactly as name(s) appear on document 1. State of Washington, Department of Ecology Additional names on page of document. Legal description (abbreviated: i.e. lot, block, plat or section, township, range) Area "H" - That portion of the Northeast quarter and the Southeast quarter of Section 12, Township 24 North, Range 3 East, Willamette Meridian, City of Seattle, King County, Washington (See attached Exhibit B for full legal description) Additional legal is on page 30 of document. Assessor's Property Tax Parcel/Account Number Assessor Tax # not yet assigned Tax Parcel No.: 7666705210 The Auditor/Recorder will rely on the information provided on this form. The staff will not read the document to verify the accuracy or completeness of the indexing information provided herein. "I am signing below and paying an additional \$50 recording fee (as provided in RCW 36.18.010 and referred to as an emergency nonstandard document), because this document does not meet margin and formatting requirements. Furthermore, I hereby understand that the recording process may cover up or

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otherwise obscure some part of the text of the original document as a result of this request." Signature of Requesting Party

Note to submitter: Do not sign above nor pay additional \$50 fee if the document meets margin/formatting requirements

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After Recording Return
Original Signed Covenant to:
Sunny Becker
Toxics Cleanup Program
Department of Ecology
Northwest Regional Office
P.O. Box 330316
Shoreline, WA 98133-9716

## ENVIRONMENTAL COVENANT

Grantor: State of Washington, Department of Natural Resources (hereafter DNR)

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

Brief Legal Description: Area "H"; see Exhibit B.

Tax Parcel No.: 7666705210

Cross Reference: Unilateral Administrative Order for Remedial Design and Remedial Action:

CERCLA Docket No 10-2015-0079

## RECITALS

- a. This document grants a valid and enforceable environmental (restrictive) covenant (hereafter Covenant) executed pursuant to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. § 9601 et seq., the Model Toxics Control Act (MTCA), chapter 70A.305 RCW, and Uniform Environmental Covenants Act (UECA), chapter 64.70 RCW.
- b. The covenants granted herein are required conditions of a Unilateral Administrative Order (UAO) issued to Lockheed Martin Corporation (Lockheed Martin) by the United States Environmental Protection Agency (EPA) March 5, 2015. EPA has determined that these conditions are necessary to protect public health and the environment. EPA made this determination on August 28, 2013, by issuing a Record of Decision (ROD) for the Lockheed West Seattle Superfund Site.
- c. The Property that is the subject of this Covenant is part of a site commonly known as the Lockheed West Seattle Superfund Site (also known as the Comprehensive Remediation Area Seattle Yard 2), which site is legally described and illustrated in the attached Exhibit A and also referred to herein as the Project Boundary or the Site. The Property is legally described and illustrated in the attached Exhibit B (herein Property). If there are differences between the respective legal descriptions and their accompanying illustrations, the legal descriptions shall prevail.
- **d.** There was a remedial action conducted at this Site under Section 104 of the Comprehensive, Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. § 9604. The remedial action was an "environmental response project" within the meaning of UECA. 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
Sediment	Total PCBs; Arsenic; Copper; Lead; Mercury

The two tables attached as Exhibits C and D include a list of contaminants of concern (COCs) and the respective chemical concentrations that had to be met. Exhibit C lists Remedial Action Levels (RALs), which are the concentrations of COCs that were to be met at the post-dredging sediment surface. Exhibit D lists Cleanup Levels that had to be (and were) met at the sediment surface following placement of cover material. The actual surface concentrations across the Site are between these levels as mixing of the cover material and the underlying sediment continues, and with ongoing movement of surface sediment in Elliott Bay. In some areas near the shoreline where the slopes were too steep for complete dredging or where structural stability was a concern, the sediment concentrations at the dredge surface may exceed RALs for some COCs. These areas are covered with several feet of riprap.

EPA and the U.S. Coast Guard established a Regulated Navigation Area (RNA), which created a no-anchor zone over capped areas of the Puget Sound Resources (PSR) site, which is adjacent to the Lockheed West Seattle Superfund Site. The RNA, which was published in the Federal Register on April 10, 2012, prohibits any activities that would disturb the seabed or otherwise disrupt the integrity of the sediment cap that covers the northwest corner of the Marine Sediment Unit of the PSR Superfund Site and extends into the northwest corner of the Lockheed West Seattle Site. Prohibited activities include anchoring, dragging, trawling, and spudding. Transit and navigation are not restricted.

- e. It is the purpose of this Covenant to restrict certain activities and uses of the Property to protect public health and the environment and the integrity of remedial actions conducted at the site. A copy of the administrative record supporting the remedial action is on file with EPA Region 10 or its successor agency and is available for public review. To make arrangements for such review, a person may contact the EPA Superfund Records Center by calling telephone number (206) 553-4494. The EPA Region 10 office is located at 1200 Sixth Avenue, Seattle, Washington. The records include Remedial Design/Remedial Action (RD/RA) Work Plans and Design Documents and the Remedial Action Construction and Completion Report (RACCR).
- f. This Covenant grants Ecology, as Holder of this Covenant, 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 under MTCA or the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. § 9601 *et seq.* The rights of Ecology and EPA as an "agency" under UECA, other than Ecology's right as a holder, are not an interest in real property.

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## **COVENANT**

DNR, as Grantor and fee simple owner of the Property, hereby grants to the Washington State Department of Ecology 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. Ecology and EPA have the full rights to enforce the restrictions, conditions, or other rights set forth in this Covenant, as provided by law, including but not limited to CERCLA, MTCA and UECA.

## 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 and EPA.
- b. Protection of Public Health and the Environment. The Grantor shall not engage in any activity on the Property that may threaten continued protection of public health or the environment without prior written approval from Ecology and EPA. 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. 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. 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. 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, Grantor shall have it replaced by a licensed professional surveyor within 30 days of discovery of the damage or destruction.
- f. Sediments. The final sediment surface was sampled and demonstrated to have met all cleanup levels, which were defined based on concentrations that are protective of human health and aquatic biota. Though the completed remedy is protective, residual sediment contamination was left above cleanup levels at depth and left above RALs under shoreline riprap and adjacent to the sheetpile wall in the shipway. For details regarding sampling results immediately post construction cleanup activities refer to the "Final Remedial Action Construction and Completion Report, Lockheed West Seattle Superfund Site, Seattle Washington" dated September 2020. As such, the following restrictions shall apply to notify EPA and Ecology and to minimize potential disturbance of these sediments within the Project Boundary legally described and illustrated in Exhibit A:

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1. Any activity within the Project Boundary that will compromise the integrity of the cover including: dredging; drilling; digging; piercing the cover with sampling device, post, stake or similar device that would penetrate deeper than 6 inches; excavation; installation of buried utilities; removal of the cover; or, application of loads in excess of the cover load bearing capacity, is prohibited without prior written approval by Ecology and EPA.

- 2. No docks or other structures shall be constructed or removed within the Project Boundary without prior written approval of Ecology and EPA.
- 3. No removal of the sheetpile wall in the Shipway within the Project Boundary without prior written approval of Ecology and EPA.
- 4. No removal of riprap shall be allowed within the Project Boundary without prior written approval of Ecology and EPA.

#### Section 2. 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 consents to provide Ecology, EPA, and their 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, 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 or consensually provided by this instrument.

## Section 3. Notice Requirements.

- **a.** Conveyance of Any Interest. The Grantor, when conveying any interest within the area of the Property legally described and illustrated in Exhibit B, including but not limited to title, easement, leases, and security or other interests, must:
  - i. Unless otherwise agreed to in writing by Ecology and EPA, provide written notice to Ecology and EPA of the intended conveyance at least thirty (30) days in advance of the conveyance.
  - ii. Include in the conveying document a notice in substantially the following form, as well as a complete copy of this Covenant:

NOTICE: PURSUANT TO A REMEDIAL ACTION OVERSEEN BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY, THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL COVENANT GRANTED TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY ON [ADD DATE] AND RECORDED WITH THE KING COUNTY AUDITOR UNDER RECORDING NUMBER [ADD RECORDING NUMBER]. USES AND ACTIVITIES ON THIS

Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-6 of 41 Record Date: 8/13/2021 3:51 PM King County, WA

# 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 and EPA, provide Ecology and EPA with a complete copy of the executed document within thirty (30) days of the date of execution of such document.
- **b.** Reporting Violations. Should the Grantor become aware of any violation of this Covenant, Grantor shall promptly report such violation in writing to Ecology and EPA.
- c. Emergencies. For any emergency or significant change in site conditions due to Acts of Nature (for example, flood, 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 and EPA 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 either personally delivered or sent by first class parcel post to the following persons. Any change in this contact information shall be submitted in writing and in advance of such change to all parties to this Covenant. Upon mutual agreement of the parties to this Covenant, an alternative to personal delivery or first-class parcel post, such as e-mail or other electronic means, may be used for these communications.

Sediment Quality Unit Supervisor, Aquatic	Director, Superfund and Emergency Management	Environmental Covenants Coordinator
Resources Division, Washington State Department of Natural Resources Natural Resources Building 1111 Washington Street Olympia, WA 98504	Division USEPA 1200 Sixth Avenue Seattle, WA 98101-3188	Washington State Department of Ecology Toxics Cleanup Program Northwest Regional Office P.O. Box 330316 Shoreline, WA 98133-9716 ToxicsCleanupProgramHQ @ecy.wa.gov

### Section 4. Modification or Termination.

a. Grantor must provide written notice and obtain approval from Ecology and EPA at least sixty (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:

<sup>&</sup>lt;sup>1</sup> An example of an activity that is unlikely to be considered a permanent modification is a proposal to disturb a cap to repair an existing underground utility that passes through the site. However, installing a new underground utility within a capped area would be a permanent change.

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- i. Ecology or EPA must issue a public notice and provide an opportunity for the public to comment on the proposal; and
- ii. If Ecology and EPA approve of 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 and EPA 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. If the original signatories to this Covenant, other than Ecology and EPA, do not have any legal interest remaining in the Property, they agree per RCW 64.70.100 to waive all rights to sign amendments to and termination of this Covenant.

## Section 5. Enforcement and Construction.

- a. This Covenant is being freely and voluntarily granted by the Grantor.
- b. Within ten (10) days of execution of this Covenant, Grantor shall provide Ecology with an original signed Covenant and proof of recording and a copy of the Covenant and proof of recording to EPA and others required by RCW 64.70.070.
- c. Ecology and EPA 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 CERCLA, MTCA and UECA. Enforcement of the terms of this Covenant shall be at the discretion of Ecology and EPA, 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 or EPA of that term or of any subsequent breach of that term, or any other term in this Covenant, or of any rights of Ecology and EPA under this Covenant.
- **d.** The Grantor shall be responsible for all costs associated with implementation of this Covenant. Furthermore, the Grantor, upon request from Ecology or EPA, shall be obligated to pay for Ecology's and EPA's costs to process a request 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 CERCLA, 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.

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# STATE OF WASHINGTON, DEPARTMENT OF NATURAL RESOURCES

a Section Section

The undersigned Grantor warrants it holds the this Covenant.  EXECUTED this 29 day of A  By: Hilary S. Franz  Title: Commissioner of Public Lands	e title to the Property and has authority to execute  , 2021.
- Commission of Parish	
STATE OF WASHINGTON, DEPARTMEN ACKNOWLEDGMENT	IT OF NATURAL RESOURCES
STATE OF WASHINGTON	
COUNTY OF THURSTON	
personally appeared before me, acknowledged the of the State of Washington, Department of Natu	2021, I certify that Hilary S. Franz hat he or she is the <u>Commissioner of Public Lowds</u> ral Resources, and signed said instrument by free and as therein mentioned, and on oath stated that he or she he Port of Seattle.
CA TOROLLA TOR	Jelle Jane Washington  Notary Public in and for the State of Washington
PUBLIC * F	Residing at Pierce County

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# WASHINGTON STATE DEPARTMENT OF ECOLOGY

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

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

Lebelm

Area H; CERCLA Docket No 10-2015-0079

Robert W. Warren

Section Manager Toxics Cleanup Program Northwest Regional Office of Department of Ecology

Dated: 8-5-21

Record Date:8/13/2021 3:51 PM King County, WA

## U.S. ENVIRONMENTAL PROTECTION AGENCY

The U.S. Environmental Protection Agency hereby approves of the above described Environmental Covenant.

UNITED STATES

ENVIRONMENTAL PROPECTION AGENCY, REGION 10

Calvin J. Terada

Director

Superfund and Emergency Management Division

U.S. EPA, Region 10

Dated: 8-4-2021

Record Date:8/13/2021 3:51 PM King County, WA

# Exhibit A

LEGAL DESCRIPTION AND ILLUSTRATION OF LOCKHEED WEST SEATTLE SUPERFUND SITE

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# LEGAL DESCRIPTION COMPREHENSIVE REMEDIATION AREA – SEATTLE YARD 2

THAT PORTION OF THE NORTHEAST QUARTER AND THE SOUTHEAST QUARTER OF SECTION 12, TOWNSHIP 24 NORTH, RANGE 3 EAST, WILLAMETTE MERIDIAN, CITY OF SEATTLE, KING COUNTY, WASHINGTON, SPECIFICALLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE NORTHERLY MARGIN OF VACATED SOUTHWEST FLORIDA STREET WITH THE INNER HARBOR LINE AS ESTABLISHED BY THE 1991 SUPPLEMENTAL MAP OF SEATTLE HARBOR;

THENCE SOUTH 77°50'35" WEST, ALONG SAID NORTHERLY MARGIN, 7.80 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 00°58'56" WEST, 20.93 FEET;

THENCE NORTH 27°11'24" WEST, 15.67 FEET;

THENCE SOUTH 80°26'41" WEST, 12.20 FEET;

THENCE NORTH 10°47'52" WEST, 9.79 FEET;

THENCE NORTH 38°27'26" EAST, 10.62 FEET;

THENCE NORTH 33°50'51" WEST, 5.79 FEET;

THENCE NORTH 59°05'27" WEST, 5.42 FEET;

THENCE NORTH 06°14'49" WEST, 71.72 FEET;

THENCE NORTH 05°19'38" WEST, 91.66 FEET;

THENCE NORTH 04°08'23" WEST, 51.75 FEET;

THENCE NORTH 10°06'07" WEST, 20.88 FEET;

THENCE NORTH 01°40'02" WEST, 10.10 FEET;

THENCE NORTH 06°34'23" WEST, 29.15 FEET;

THENCE NORTH 03°19'22" WEST, 23.99 FEET;

THENCE NORTH 71°09'53" WEST, 8.60 FEET; THENCE SOUTH 71°01'35" WEST, 3.80 FEET;

THENCE SOUTH 89°52'32" WEST, 3.03 FEET;

THENCE NORTH 42°23'03" WEST, 3.64 FEET;

THENCE NORTH 65°16'15" WEST, 21.66 FEET;

THENCE NORTH 52°54'49" WEST, 15.94 FEET;

THENCE NORTH 36°50'47" WEST, 10.59 FEET;

THENCE NORTH 47°17'52" WEST, 21.35 FEET;

THENCE NORTH 67°50'51" WEST, 0.84 FEET;

THENCE SOUTH 79°55'39" WEST, 1.05 FEET;

THENCE NORTH 77°01'14" WEST, 1.36 FEET; THENCE NORTH 50°27'06" WEST, 13.71 FEET;

THENCE NORTH 77°20'35" WEST, 2.38 FEET;

THENCE NORTH 71°10'22" WEST, 2.91 FEET;

THENCE NORTH 72°44'01" WEST, 12.48 FEET;

THENCE NORTH 73°41'22" WEST, 9.34 FEET;

THENCE NORTH 69°38'16" WEST, 9.37 FEET;

THENCE SOUTH 81°02'50" WEST, 12.88 FEET;

THENCE NORTH 82°11'26" WEST, 17.86 FEET;

COMPREHENSIVE REMEDIATION AREA -SEATTLE YARD 2 6/24/2021

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THENCE NORTH 81°34'51" WEST, 18.54 FEET;
THENCE NORTH 51°47'02" WEST, 7.20 FEET;
THENCE NORTH 63°17'41" WEST, 6.01 FEET;
THENCE NORTH 12°38'25" WEST, 5.16 FEET;
THENCE NORTH 87°21'59" WEST, 16.14 FEET;
THENCE NORTH 85°02'40" WEST, 12.26 FEET;
THENCE NORTH 69°49'09" WEST, 5.37 FEET;
THENCE NORTH 88°21'34" WEST, 12.21 FEET;
THENCE SOUTH 83°47'26" WEST, 0.22 FEET;
THENCE NORTH 88°20'45" WEST, 27.17 FEET;
THENCE NORTH 89°15'50" WEST, 21.56 FEET;
THENCE SOUTH 89°00'20" WEST, 33.15 FEET;
THENCE SOUTH 74°07'22" WEST, 4.66 FEET;
THENCE NORTH 88°41'37" WEST, 25.44 FEET;
THENCE SOUTH 87°07'49" WEST, 12.29 FEET;
THENCE SOUTH 29°39'08" WEST, 9.21 FEET;
THENCE SOUTH 87°09'06" WEST, 8.56 FEET;
THENCE NORTH 68°10'46" EAST, 7.33 FEET;
THENCE NORTH 86°30'08" WEST, 3.45 FEET;
THENCE SOUTH 70°28'20" WEST, 2.58 FEET;
THENCE SOUTH 64°29'00" WEST, 1.12 FEET;
THENCE CONTINUING SOUTH 64°29'00" WEST, 0.95 FEET:
THENCE SOUTH 87°46'32" WEST, 3.78 FEET;
THENCE NORTH 79°05'33" WEST, 2.42 FEET;
THENCE NORTH 75°02'15" WEST, 7.30 FEET;
THENCE SOUTH 84°24'32" WEST, 4.04 FEET;
THENCE NORTH 85°56'18" WEST, 1.74 FEET;
THENCE NORTH 64°41'44" WEST, 4.75 FEET;
THENCE SOUTH 83°33'01" WEST, 1.07 FEET:
THENCE NORTH 82°36'51" WEST, 3.49 FEET;
THENCE SOUTH 89°36'13" WEST, 4.96 FEET;
THENCE NORTH 66°27'05" WEST, 4.69 FEET;
THENCE NORTH 07°24'37" WEST, 8.18 FEET;
THENCE NORTH 87°46'15" WEST, 17.17 FEET;
THENCE NORTH 87°49'22" WEST, 14.66 FEET:
THENCE NORTH 26°10'27" WEST, 4.74 FEET;
THENCE NORTH 70°21'12" WEST, 6.62 FEET;
THENCE SOUTH 86°39'01" WEST, 7.90 FEET;
THENCE SOUTH 79°16'39" WEST, 12.53 FEET;
THENCE NORTH 86°58'29" WEST, 11.49 FEET;
THENCE NORTH 75°05'08" WEST, 13.50 FEET;
THENCE NORTH 79°31'14" WEST, 12.39 FEET;
THENCE NORTH 68°47'31" WEST, 8.84 FEET;
THENCE NORTH 83°59'58" WEST, 8.73 FEET;
THENCE SOUTH 76°16'41" WEST, 9.38 FEET;
THENCE SOUTH 83°16'52" WEST, 12.66 FEET;
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COMPREHENSIVE REMEDIATION AREA -SEATTLE YARD 2 6/24/2021 21670 PAGE 2 OF 7 Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-14 of 41

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THENCE SOUTH 89°38'26" WEST, 27.09 FEET;
THENCE SOUTH 83°41'32" WEST, 16.08 FEET;
THENCE NORTH 81°46'47" WEST, 10.37 FEET;
THENCE NORTH 84°14'36" WEST, 15.13 FEET;
THENCE SOUTH 87°32'15" WEST, 11.99 FEET;
THENCE SOUTH 75°17'17" WEST, 6.86 FEET;
THENCE SOUTH 86°59'27" WEST, 10.48 FEET;
THENCE SOUTH 66°01'09" WEST, 11.07 FEET;
THENCE SOUTH 75°10'15" WEST, 4,08 FEET;
THENCE SOUTH 89°21'14" WEST, 5.23 FEET;
THENCE NORTH 75°13'37" WEST, 4.56 FEET;
THENCE SOUTH 85°43'31" WEST, 9.16 FEET;
THENCE NORTH 82°27'36" WEST, 7.94 FEET;
THENCE SOUTH 78°10'14" WEST, 0.95 FEET;
THENCE NORTH 78°01'07" WEST, 4.27 FEET;
THENCE NORTH 71°08'58" WEST, 2.65 FEET;
THENCE NORTH 50°36'12" WEST, 5.06 FEET;
THENCE NORTH 36°26'44" WEST, 3.78 FEET;
THENCE NORTH 61°28'07" WEST, 14.65 FEET;
THENCE NORTH 68°47'48" WEST, 6.47 FEET;
THENCE NORTH 86°19'16" WEST, 9.49 FEET;
THENCE SOUTH 66°31'54" WEST, 3.06 FEET:
THENCE SOUTH 71°50'08" WEST, 0.67 FEET;
THENCE SOUTH 89°14'58" WEST, 3.48 FEET;
THENCE SOUTH 85°55'45" WEST, 4.29 FEET;
THENCE SOUTH 82°16'04" WEST, 4.35 FEET;
THENCE NORTH 85°49'27" WEST, 3.66 FEET;
THENCE SOUTH 46°50'16" WEST, 0.61 FEET;
THENCE NORTH 85°15'01" WEST, 1.98 FEET;
THENCE NORTH 80°54'47" WEST, 0.83 FEET;
THENCE SOUTH 89°02'33" WEST, 5.10 FEET;
THENCE SOUTH 70°13'03" WEST, 0.06 FEET;
THENCE SOUTH 79°35'19" WEST, 0.02 FEET;
THENCE SOUTH 85°13'44" WEST, 6.36 FEET;
THENCE SOUTH 86°55'10" WEST, 1.64 FEET;
THENCE NORTH 78°54'12" WEST, 4.37 FEET;
THENCE SOUTH 76°05'34" WEST, 0.84 FEET;
THENCE SOUTH 44°20'07" WEST, 2.41 FEET;
THENCE SOUTH 33°54'27" WEST, 1.34 FEET;
THENCE SOUTH 74°42'13" WEST, 2.31 FEET;
THENCE NORTH 50°50'56" WEST, 0.46 FEET;
THENCE NORTH 75°18'12" WEST, 3.56 FEET;
THENCE SOUTH 67°55'28" WEST, 3.17 FEET;
THENCE SOUTH 37°19'14" EAST, 1.48 FEET;
THENCE SOUTH 64°52'40" WEST, 3.31 FEET;
THENCE NORTH 50°08'05" WEST, 0.17 FEET;
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COMPREHENSIVE REMEDIATION AREA —SEATTLE YARD 2 6/24/2021 21670 PAGE 3 OF 7

Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-15 of 41

Record Date:8/13/2021 3:51 PM King County, WA

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THENCE SOUTH 76°12'17" WEST, 2.94 FEET;
THENCE SOUTH 37°05'09" EAST, 0.34 FEET:
THENCE SOUTH 88°57'47" WEST, 1.83 FEET;
THENCE NORTH 63°25'15" WEST, 3.92 FEET;
THENCE NORTH 40°54'23" WEST, 1.14 FEET;
THENCE NORTH 48°17'21" WEST, 3.29 FEET;
THENCE NORTH 50°27'10" WEST, 6.40 FEET;
THENCE NORTH 69°19'13" WEST, 2.29 FEET;
THENCE NORTH 78°51'00" WEST, 3.33 FEET;
THENCE SOUTH 77°08'43" WEST, 1.77 FEET;
THENCE SOUTH 76°53'51" WEST, 6.19 FEET;
THENCE SOUTH 80°56'03" WEST, 3.66 FEET;
THENCE SOUTH 73°54'44" WEST, 1.39 FEET;
THENCE SOUTH 82°14'18" WEST, 4.80 FEET;
THENCE SOUTH 75°03'24" WEST, 21.24 FEET;
THENCE SOUTH 89°56'44" WEST, 4.75 FEET;
THENCE SOUTH 81°39'17" WEST, 19.40 FEET;
THENCE SOUTH 04°46'58" WEST, 23.31 FEET;
THENCE SOUTH 00°08'30" EAST, 16.44 FEET;
THENCE NORTH 89°19'05" WEST, 99.57 FEET;
THENCE NORTH 00°52'18" EAST, 16.73 FEET;
THENCE NORTH 00°36'43" WEST, 22.26 FEET;
THENCE NORTH 01°04'46" EAST, 63.47 FEET;
THENCE NORTH 00°43'44" EAST, 40.71 FEET;
THENCE NORTH 01°46'05" WEST, 17.74 FEET;
THENCE NORTH 03°26'40" WEST, 0.00 FEET;
THENCE NORTH 02°42'29" WEST, 1.89 FEET;
THENCE NORTH 05°04'35" WEST, 0.64 FEET;
THENCE NORTH 00°37'21" WEST, 15.89 FEET;
THENCE NORTH 06°25'19" EAST, 16.05 FEET;
THENCE NORTH 01°13'55" EAST, 56.23 FEET;
THENCE NORTH 60°37'14" WEST, 21.42 FEET;
THENCE NORTH 08°42'57" EAST, 55.05 FEET;
THENCE NORTH 08°26'43" EAST, 120.77 FEET;
THENCE NORTH 09°34'48" EAST, 37.79 FEET;
THENCE NORTH 34°58'02" EAST, 348.69 FEET;
THENCE NORTH 06°15'08" EAST, 119.53 FEET;
THENCE NORTH 02°20'57" EAST, 70.48 FEET;
THENCE NORTH 29°27'39" EAST, 3.03 FEET;
THENCE NORTH 75°15'23" EAST, 25.97 FEET;
THENCE SOUTH 85°36'05" EAST, 34.47 FEET;
THENCE NORTH 79°52'31" EAST, 37.60 FEET;
THENCE NORTH 67°37'12" EAST, 24.31 FEET;
THENCE NORTH 65°22'35" EAST, 34.90 FEET;
THENCE NORTH 62°06'10" EAST, 25.43 FEET;
THENCE NORTH 77°11'45" EAST, 29.83 FEET;
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THENCE EAST, 14.54 FEET;
THENCE NORTH 68°11'55" EAST, 14.24 FEET;
THENCE NORTH 85°14'11" EAST, 15.92 FEET:
THENCE NORTH 56°18'36" EAST, 19.07 FEET;
THENCE NORTH 60°56'43" EAST, 27.22 FEET;
THENCE NORTH 74°03'17" EAST, 28.87 FEET:
THENCE NORTH 78°06'41" EAST, 25.67 FEET;
THENCE EAST, 29.08 FEET;
THENCE SOUTH 73°18'03" EAST, 27.60 FEET;
THENCE NORTH 78°41'24" EAST, 13.48 FEET;
THENCE NORTH 48°21'59" EAST, 15.92 FEET;
THENCE NORTH 70°20'46" EAST, 19.65 FEET;
THENCE NORTH 63°26'06" EAST, 32.52 FEET:
THENCE NORTH 58°23'33" EAST, 20.18 FEET;
THENCE NORTH 00°00'00" EAST, 15.86 FEET;
THENCE SOUTH 80°32'16" EAST, 24.12 FEET;
THENCE SOUTH 72°28'28" EAST, 26.34 FEET;
THENCE SOUTH 50°11'40" EAST, 10.33 FEET;
THENCE SOUTH 00°00'00" EAST, 15.86 FEET:
THENCE NORTH 75°57'50" EAST, 10.90 FEET;
THENCE NORTH 51°20'25" EAST, 8.47 FEET;
THENCE NORTH 26°33'54" EAST, 8,87 FEET:
THENCE NORTH 00°00'00" EAST, 15.86 FEET;
THENCE NORTH 52°07'30" EAST, 15.07 FEET;
THENCE SOUTH 78°06'41" EAST, 25.67 FEET;
THENCE SOUTH 82°52'30" EAST, 21.32 FEET;
THENCE NORTH 75°57'50" EAST, 32.71 FEET;
THENCE SOUTH 78°41'24" EAST, 20.22 FEET;
THENCE NORTH 74°50'45" EAST, 65.74 FEET;
THENCE NORTH 60°38'32" EAST, 24.27 FEET;
THENCE NORTH 34°59'31" EAST, 16.14 FEET;
THENCE NORTH 29°21'28" EAST, 24.27 FEET;
THENCE NORTH 75°05'35" EAST, 13.44 FEET;
THENCE NORTH 45°07'38" EAST, 58.29 FEET;
THENCE NORTH 61°23'22" EAST, 63.49 FEET:
THENCE NORTH 55°29'29" EAST, 49.19 FEET;
THENCE NORTH 65°28'24" EAST, 36.14 FEET;
THENCE NORTH 55°18'17" EAST, 35.94 FEET;
THENCE NORTH 68°11'55" EAST, 36.72 FEET;
THENCE NORTH 81°40'28" EAST, 31.39 FEET;
THENCE NORTH 56°58'34" EAST, 18.07 FEET;
THENCE NORTH 75°22'45" EAST, 18.01 FEET;
THENCE NORTH 24°06'08" EAST, 31.54 FEET;
THENCE NORTH 61°49'17" EAST, 24.07 FEET;
THENCE NORTH 68°14'51" EAST, 29.64 FEET;
THENCE SOUTH 01°22'47" WEST, 1,564.35 FEET;
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Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-17 of 41 Record Date: 8/13/2021 3:51 PM King County, WA

THENCE SOUTH 89°45'41" WEST, 67.70 FEET: THENCE SOUTH 00°53'24" WEST, 313.14 FEET; THENCE SOUTH 00°59'54" WEST, 230.80 FEET; THENCE SOUTH 31°35'40" WEST, 332.77 FEET; THENCE NORTH 89°52'50" WEST, 117.63 FEET; THENCE NORTH 04°47'40" EAST, 0.75 FEET; THENCE NORTH 74°07'58" EAST, 5.13 FEET: THENCE NORTH 32°17'03" WEST, 7.26 FEET; THENCE NORTH 00°31'57" EAST, 18.15 FEET; THENCE NORTH 09°15'15" WEST, 5.63 FEET; THENCE NORTH 10°54'11" EAST, 3.29 FEET; THENCE NORTH 01°24'52" WEST, 18.14 FEET; THENCE NORTH 01°19'20" EAST, 8.12 FEET; THENCE NORTH 05°02'20" WEST, 24.22 FEET; THENCE NORTH 02°35'10" WEST, 18.96 FEET; THENCE NORTH 10°43'19" WEST, 6.46 FEET; THENCE NORTH 01°23'57" EAST, 0.97 FEET; THENCE NORTH 11°36'40" EAST, 12.39 FEET; THENCE NORTH 06°30'16" EAST, 15.15 FEET; THENCE NORTH 13°15'41" WEST, 20.60 FEET: THENCE NORTH 31°58'35" WEST, 4.29 FEET; THENCE NORTH 53°56'21" WEST, 15.43 FEET; THENCE NORTH 41°54'26" WEST, 4.75 FEET; THENCE NORTH 64°04'07" WEST, 20.48 FEET; THENCE NORTH 04°37'20" EAST, 13.62 FEET; THENCE NORTH 14°28'18" EAST, 7.08 FEET; THENCE NORTH 01°25'36" WEST, 18.08 FEET: THENCE NORTH 52°57'35" WEST, 6.36 FEET; THENCE NORTH 01°49'04" WEST, 11.92 FEET; THENCE NORTH 02°07'08" EAST, 27.73 FEET; THENCE NORTH 06°51'40" WEST, 5.47 FEET; THENCE NORTH 00°32'18" EAST, 19.31 FEET; THENCE NORTH 35°13'31" EAST, 4.27 FEET; THENCE NORTH 00°23'32" WEST, 12.09 FEET; THENCE NORTH 04°31'49" WEST, 19.86 FEET; THENCE NORTH 16°00'01" EAST, 6.18 FEET: THENCE NORTH 05°44'41" EAST, 18.84 FEET; THENCE NORTH 02°58'00" EAST, 8.41 FEET; THENCE NORTH 00°20'28" WEST, 22.38 FEET; THENCE NORTH 25°08'29" EAST, 3.16 FEET; THENCE NORTH 19°55'38" EAST, 3.56 FEET; THENCE NORTH 01°57'28" EAST, 13.79 FEET; THENCE NORTH 21°26'40" EAST, 7.00 FEET; THENCE NORTH 24°10'30" EAST, 17.99 FEET; THENCE NORTH 34°06'22" EAST, 8.31 FEET; THENCE NORTH 58°36'42" EAST, 13.17 FEET;

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THENCE NORTH 04°26'41" EAST, 3.47 FEET;

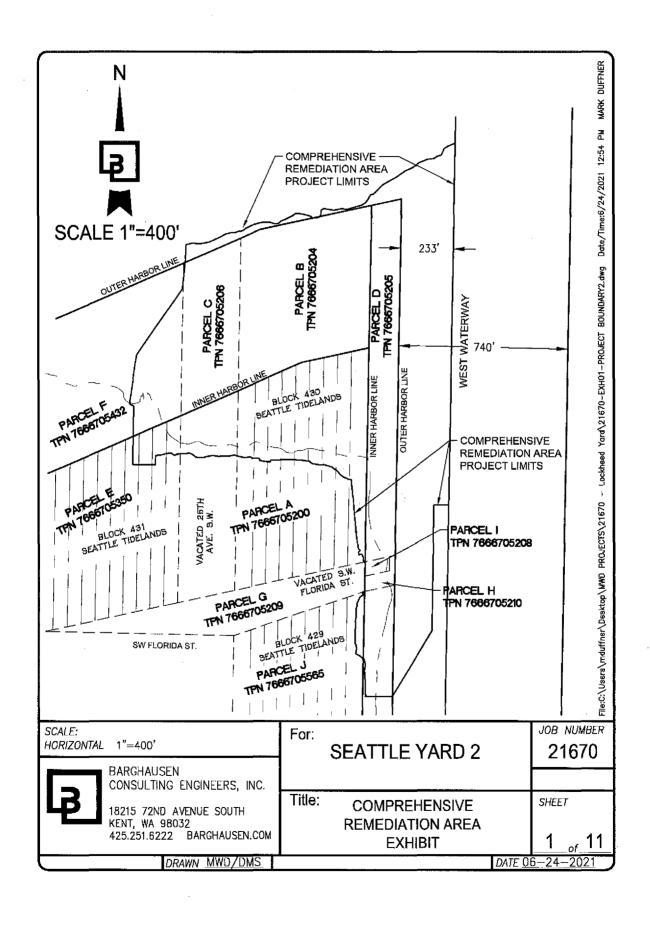
THENCE NORTH 01°09'33" EAST, 10.01 FEET TO THE SOUTHERLY MARGIN OF SAID VACATED SOUTHWEST FLORIDA STREET;

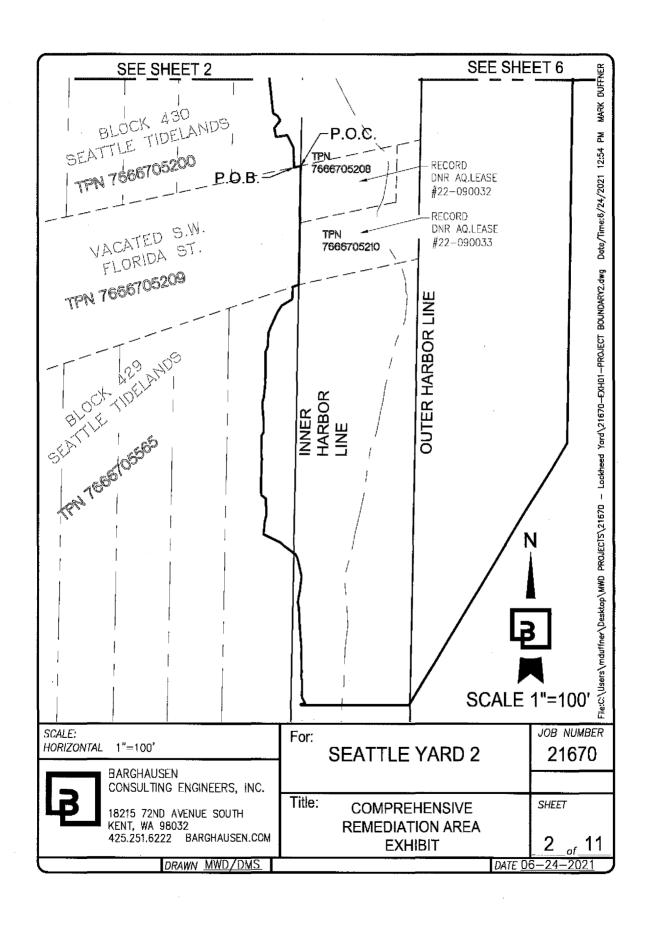
THENCE NORTH 71°36'05" EAST ALONG SAID SOUTHERLY MARGIN, 7.14 FEET TO THE EAST LINE OF TAX PARCEL NUMBER 7666705209;

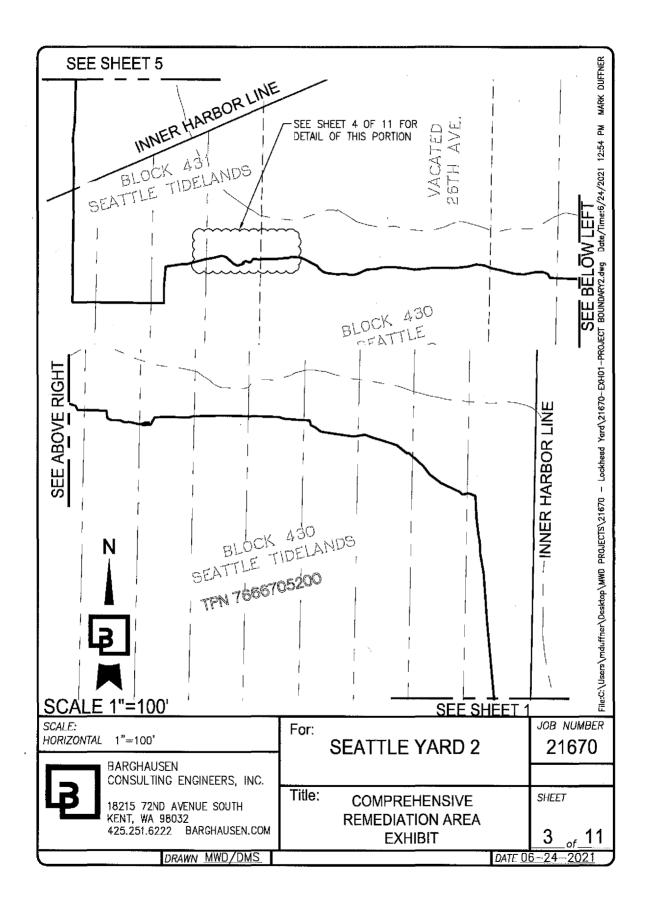
THENCE NORTH 01°08'22" EAST ALONG SAID EAST LINE, 128.44 FEET TO SAID INTERSECTION OF THE NORTHERLY MARGIN OF VACATED SOUTHWEST FLORIDA STREET WITH THE INNER HARBOR LINE; THENCE SOUTH 77°50'35" WEST, ALONG SAID NORTHERLY MARGIN, 7.80 FEET TO THE **POINT OF BEGINNING**.

CONTAINS 40.1± ACRES.

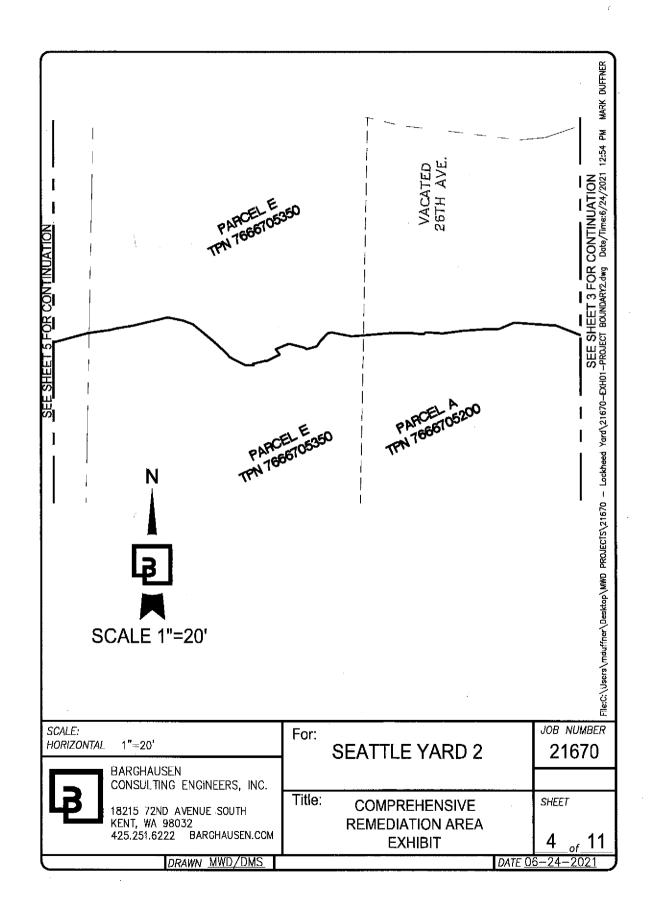


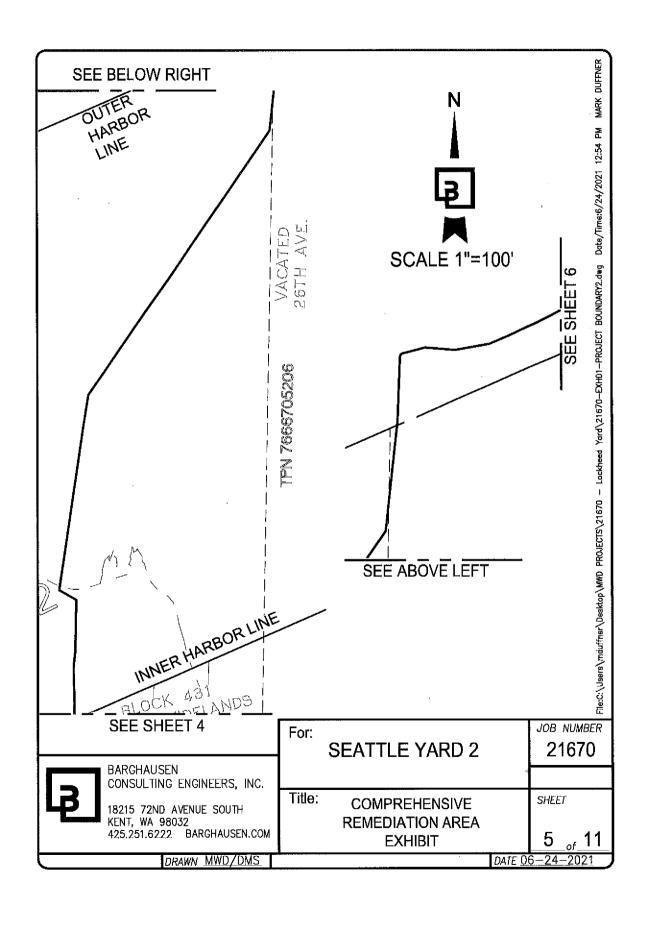


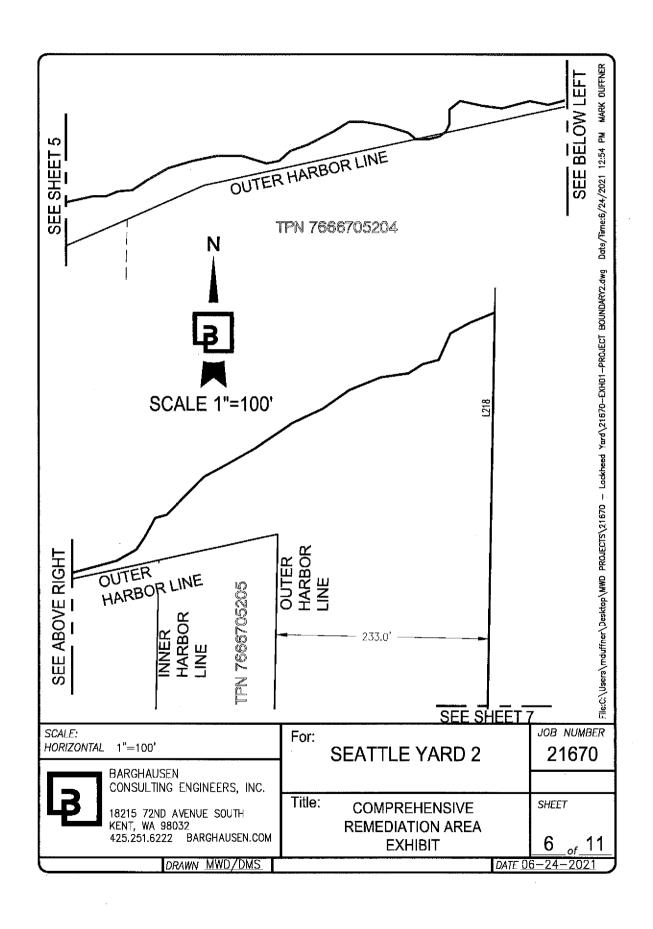


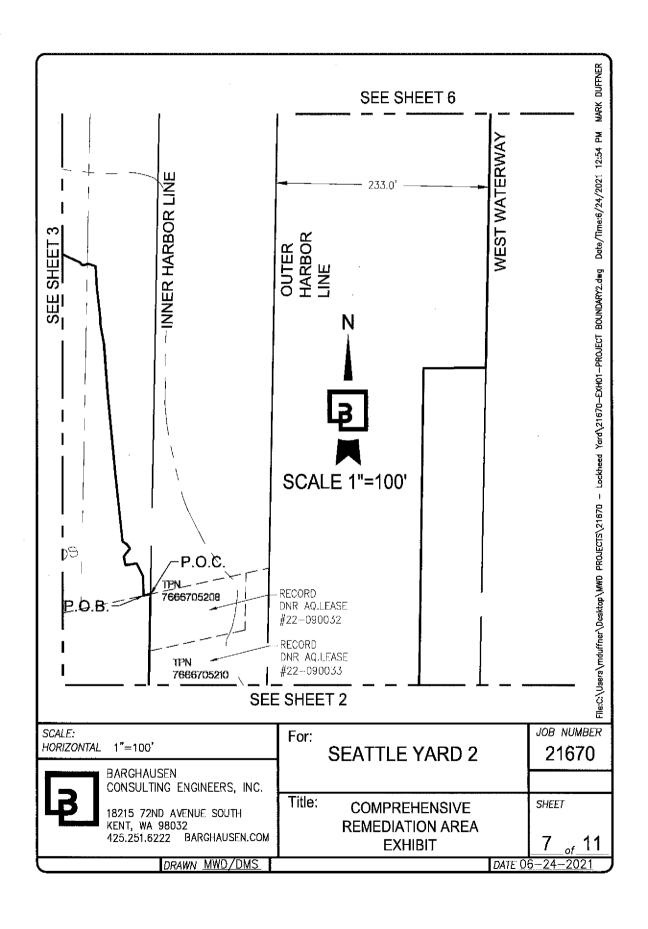


Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-22 of 41









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	LINE TABLE	<u>.</u>		LINE TABLE	<u> </u>		LINE TABLE	- -	
LINE	BEARING	DIST	LINE	BEARING	DIST	LINE	BEARING	DIST	
L1	S77*50'35"W	7.80'	L26	N77'01'14"W	1.36'	L51	S87°09'06"W	8.56	<del></del>
L2	N00'58'56"W	20.93'	L27	N50'27'06"W	· 13.71	L52	N68'10'46"E	7.33'	
L3	N27'11'24"W	15.67'	L28	N77'20'35"W	2.38'	L53	N86'30'08"W	3.45	
L4	S80'26'41"W	12.20'	L29	N71*10'22"W	2.91'	L54	S70°28'20"W	2.58	
L5	N10'47'52"W	9.79'	L30	N72*44'01"W	12.48	L55	S64'29'00"W	1.12	
L6	N38'27'26"E	10.62	L31	N73'41'22"W	9.34'	L56	S64'29'00"W	0.95	
L7	N33'50'51"W	5.79'	L32	N69*38'16"W	9.37'	L57	S87'46'32"W	3.78	
L8	N59'05'27"W	5.42'	L33	S81°02'50"W	12.88'	L58	N79'05'33"W	2.42	
L9	N06'14'49"W	71.72'	L34	N82'11'26"W	17.86'	.L59	N75'02'15"W	7.30	
L10	N05'19'38"W	91,66'	L35	N81'34'51"W	18.54'	L60	S84*24'32"W	4.04	
L11	N04"08'23"W	51.75'	L36	N51'47'02"W	7.20'	L61	N85'56'18"W	1.74'	
L12	N10'06'07"W	20.88'	L37	N63'17'41"W	6.01	L62	N64°41'44"W	4.75	
L13	N01"40'02"W	10.10'	L38	N12'38'25"W	5.16'	L63	S83'33'01"W	1.07	
L14	N06'34'23"W	29.15	L39	N87°21'59"W	16.14'	L64	N82'36'51"W	3.49	
L15	N03'19'22"W	23.99	L40	N85'02'40"W	12.26'	L65	S89'36'13"W	4.96	
L16	N71'09'53"W	8.60'	L41	N69'49'09"W	5.37'	L66	N66'27'05"W	4.69	
L17	S71"01'35"W	3.80'	L42	N88'21'34"W	12.21'	L67	N07'24'37"W	8.18	
L18	S89*52'32"W	3.03'	L43	S83'47'26"W	0.22	L68	N87'46'15"W	17.17	,
L19	N42*23'03"W	3.64	<b>_44</b>	N88'20'45"W	27.17	L69	N87'49'22"W	14.66	•
L20	N65*16'15"W	21.66	L45	N89'15'50"W	21.56'	- L70	N26'10'27"W	4.74	
L21	N52*54'49"W	15.94'	L46	S89'00'20"W	33,15	L71	N70'21'12"W	6,62	
L22	N36"50'47"W	10.59	L47	S74"07'22"W	4.66'	L72	S86'39'01"W	7.90	
L23	N47 17 52 W	21.35	L48	N88'41'37"W	25.44	L73	S79'16'39"W	12.53	,
L <b>2</b> 4	N67'50'51"W	0.84	L49	S87'07'49"W	12.29'	L74	N86'58'29"W	11.49	,
L25	S79"55'39"W	1.05'	L50	S29'39'08"W	9.21	L75	N75°05'08"W	13.50	,
В	1"=100' ARGHAUSEN	IGINFFRS	INC	For: S	EATT	LE Y	ARD 2		<i>308 NUMB</i> 21670
CONSULTING ENGINEERS, INC.  18215 72ND AVENUE SOUTH KENT, WA 98032 425.251.6222 BARGHAUSEN.COM				Title:	REMED				SHEET 8 of 1
	DRAV	/N MWD/	<u>DMS</u>				E	ATE <u>0</u> 6	3-24-2021

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	LINE TABLE			LINE TABLE			LINE TABLE	
LINE	BEARING	DIST _	LINE	BEARING	DIST	LINE	BEARING	DIST
L76	N79'31'14"W	12.39'	L101	N86'19'16"W	9.49'	L126	N50'08'05"W	0.17
L77	N68'47'31"W		L102	S66'31'54"W	3.06'	L127	S76'12'17"W	2.94
. L78	N83'59'58"W		L103	571°50'08"W	0.67'	L128	\$37'05'09"E	0.34
L79	S76'16'41"W		L104	S89'14'58"W	3.48'	L129	S88'57'47"W	1.83'
L80	S83 16 52 W	12.66'	L105	S85'55'45"W	4.29'	L130	N63'25'15"W	3.92'
L81	S89'38'26"W	27.09'	L106	S82'16'04"W	4.35	L131	N40'54'23"W	1.14'
L82	S83'41'32"W	16.08'	L107	N85'49'27"W	3.66'	L132	N48'17'21"W	3.29'
L83	N81'46'47"W	10.37'	L108	S46*50'16"W	0.61'	L133	N50'27'10"W	6.40'
L84	N84'14'36"W	15.13'	L109	N85'15'01"W	1.98'	L134	N69'19'13"W	2.29'
L85	S87'32'15"W	11.99'	L1 10	N80'54'47"W	0.83	L135	N78'51'00"W	3.33'
L86	S75'17'17"W	6.86'	L111	S89'02'33"W	5.10'	L136	\$77'08'43"W	1.77'
L87	S86'59'27"W	10.48'	L112	S70'13'03"W	0.06'	L137	S76'53'51"W	6.19
L88	S66'01'09"W	11.07'	L113	S79'35'19"W	0.02'	L138	S80*56'03"W	3.66
L89	S75'10'15"W	4.08'	L114	S85'13'44"W	6,36'	L139	S73'54'44"W	1.39'
L90	S89'21'14"W	5.23'	L115	S86'55'10"W	1.64'	L140	S82°14'18"W	4.80′
L91	N75'13'37"W	4.56'	L116	N78'54'12"W	4.37'	L141	S75'03'24"W	21.24'
L92	S85'43'31"W	9.16	L117	S76'05'34"W	0,84	L142	\$89*56'44"W	4.75'
L93	N82'27'36"W	7.94'	L118	S44'20'07"W	2.41	L143	S81'39'17"W	19.40'
L94	S78'10'14"W	0.95	L119	S33'54'27"W	1.34'	L144	S04°46′58″W	23.31'
L95	N78'01'07"W	4.27'	L120	S74'42'13"W	2.31	L145	S00"08'30"E	16.44
L96	N71'08'58"W	2,65'	L121	N50'50'56"W	0.46'	L146	N89"19'05"W	99.57'
L97	N50'36'12"W	5.06	L122	N75'18'12"W	3.56'	L147	N00'52'18"E	16,73
L98	N36'26'44"W	3.78	L123	S67'55'28"W	3.17'	L148	N00'36'43"W	22.26'
L99	N61'28'07"W	14.65'	L124	S37*19'14"E	1.48'	L149	N01'04'46"E	63.47'
L100	N68'47'48"W	6.47'	L125	S64*52'40"W	3.31	L150	N00'43'44"E	40.71'
NTAL 1"=	-100'		F	or:				JOB NUM
			$\dashv$	SEAT	IILE	YARD	2 [	216
	GHAUSEN SULTING ENGI	NEERS, INC.		71.4		_		
	5 72ND AVENU	E SOUTH	'			HENSIVE		SHEET
	, WA 98032 251.6222 BAF	RGHAUSEN.COM	4	KEN		TON ARE IIBIT	-A	9 of
	DRAWN	MWD/DMS	т'				DATE OF	6-24-20

Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-28 of 41

	LINE TABLE	_		LINE TABLE			LINE TABL	E	
LINE	BEARING	DIST	LINE	BEARING	DIST -	LINE	BEARING	DIST	
£151	NO1"46'05"W	17.74'	L176	N56'18'36"É	19.07'	L201	N74'50'45"E	65.74'	
L152	N03'26'40"W	0.00'	L177	N60'56'43"E	27.22'	L202	N60°38'32"E	24.27'	
L153	N02'42'29"W	1.89'	L178	N74"03'17"E	28.87'	L203	N34'59'31"E	16.14	
L154	N05'04'35"W	0.64	L179	N78'06'41"E	25.67'	L204	N29°21'28"E	24.27	
L155	N00'37'21"W	15.89'	L180	\$90°00'00"E	29,08'	L205	N75'05'35"E	13.44'	
L156	N06'25'19"E	16.05'	L181	S73'18'03"E	27.60'	L206	N45'07'38"E	58.29	
L157	N01°13′55"E	56.23	L182	N78'41'24"E	13.48'	L207	N61°23'22"E	63.49'	
L158	N60'37'14"W	21.42	L183	N48'21'59"E	15.92'	L208	N55 29'29"E	49.19 <b>'</b>	
L159	N08'42'57"E	55.05	L184	N70'20'46"E	19.65'	L209	N65'28'24"E	36.14	
L160	N08'26'43"E	120.77	L185	N63'26'06"E	32,52'	L210	N55'18'17"E	35.94	
L161	N09'34'48"E	37,79	L186	N58'23'33"E	20.18'	L211	N68'11'55"E	36.72'	
L162	N34°58'02"E	348.69	L187	S90'00'00"E	15.86'	L212	N81*40'28"E	31.39*	
L163	N06'15'08"E	119.53	L188	S80'32'16"E	24.12'	L213	N56'58'34"E	18.07	
L164	N02'20'57"E	70.48'	L189	572°28'28"E	26.34'	L214	N75°22'45"E	18.01	
L165	N29'27'39"E	3.03'	L190	S50'11'40"E	10.33'	L215	N24'06'08"E	31.54	
L166	N75"15'23"E	25.97	L191	S90'00'00"E	15.86'	L216	N61°49'17"E	24.07	
L167	S85'36'05"E	34.47	L192	N75"57"50"E	10.90'	L217	N68'14'51"E	29,65	
L168	N79'52'31"E	37.60	L193	N51'20'25"E	8.47' .	L218	S01'08'22"W	1564.35'	
L169	N67'37'12"E	24.31'	L194	N26'33'54"E	8.87	L219	S89'45'41"W	67.70'	
L170	N65*22'35"E	34.90'	L195	N00'00'00"E	15.86'	L220	S00'53'24"W	313.14'	
L171	N62'06'10"E	25.43'	L196	N52'07'30"E	15.07'	L221	S00'59'54"W	230.80'	
L172	N77'11'45"E	29.83'	L197	S78'06'41"E	25.67'	L222	S31'35'40"W	332.77	
L173	S90'00'00"E	14.54	L198	S82'52'30"E	21.32'	L223	N89'52'50"W	117.63	
L174	N68'11'55"E	14.24	L199	N75'57'50"E	32.71'	L224	N04'47'40"E	0.75'	
L175	N85°14'11"E	15.92'	L200	S78'41'24"E	20.22'	L225	N74'07'58"E	5.13'	
ALE: PRIZONTAL	1"=100'			For:	SEATT	LE Y	ARD 2	ЈОВ 1 <b>21</b>	
<u></u>	BARGHAUSEN CONSULTING		S, INC.						
린	18215 72ND A KENT, WA 9800 425.251.6222	32		Title:	REME	PREHE DIATIOI EXHIBI	N AREA	10	
	DR.	AWN MWD	/DMS				In/	TE 06-24-	

		LINE TABLE			LINE TABLE	<u>.</u>		
	LINE	BEARING	DIST	LINE	BEARING	DIST		
	L226	N32'17'03"W	7.25'	L251	N35'13'31"E	4.27'		
	L227	N00'31'57"E	18.15	L252	N00'23'32"W	12.09		
	L228	N09'15'15"W	5.63'	L253	N04°31'49"W	19.86'		
	L229	N10'54'11"E	3.29'	L254	N16'00'01"E	6,18'		
	L230	N01'24'52"W	18.14	L255	N05'44'41"E	18.84'		
	L231	N01"19'20"E	8.12'	L256	N02'58'00"E	8,41'		
	L232	N05*02'20"W	24.22'	L257	N00'20'28"W	22.38*		
	L233	N02'35'10"W	18.96'	L258	N25'08'29"E	3.16'		
	L234	N10°43'19"W	6.46'	L259	N19'55'38"E	3.56		
	L235	N01°23'57"E	0.97'	L260	N01"57'28"E	13.79'		
	L236	N11"36'40"E	12.39	L261	N21"26'40"E	7.00		
	L237	N06'30'16"E	15.15'	L262	N24'10'30"E	17.99'.		
	L238	N13'15'41"W	20.60'	L263	N34'06'22"E	8.31'		
	L239	N31'58'35"W	4.29'	L264	N58'36'42"E	13.17		
	L <b>24</b> 0	N53'56'21"W	15.43'	L265	N04'26'41"E	3.47'		
	L241	N41°54'26"W	4.75'	L266	N01'09'33"E	10.01		
	L242	N64'04'07"W	20.48'	L267	N71°36'05"W	7.14'		
	L243	N04'37'20"E	13.62'	L268	N01'08'22"E	128.44		
	L244	N14'28'18"E	7.08'					
	L245	N01"25'36"W	18.08'					
	L246	N52'57'35"W	6.36'					
	L247	N01°49'04"W	11.92'					
	L248	N02*07'08"E	27.73					
	L249	N06'51'40"W	5.47'					
	L250	N00'32'18"E	19.31'					
ALE:			For:				JOB I	NUMB
RIZONTAL 1"=10			-	SEA	ATTLE Y	ARD 2	21	670
BARGHA CONSUL		NEERS, INC.	T:# -					
	18215 72ND AVENUE SOUTH		Title:		OMPREHE		SHEET	r
	A 98032 .6222 BAI	RGHAUSEN.COM		KE	MEDIATIO EXHIB		11	of_
	DRAWN	MWD/DMS					DATE 06-24-	

Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-30 of 41 Record Date:8/13/2021 3:51 PM King County, WA

## Exhibit B

LEGAL DESCRIPTION AND ILLUSTRATION OF PROPERTY

Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-31 of 41

Record Date:8/13/2021 3:51 PM King County, WA

# LEGAL DESCRIPTION TPN 7666705210 AREA "H"

THAT PORTION OF THE NORTHEAST QUARTER AND THE SOUTHEAST QUARTER OF SECTION 12, TOWNSHIP 24 NORTH, RANGE 3 EAST, WILLAMETTE MERIDIAN, CITY OF SEATTLE, KING COUNTY, WASHINGTON, SPECIFICALLY DESCRIBED AS FOLLOWS:

**BEGINNING** AT THE INTERSECTION OF THE SOUTHERLY MARGIN OF VACATED SOUTHWEST FLORIDA STREET WITH THE INNER HARBOR LINE AS ILLUSTRATED ON THE 1991 SUPPLEMENTAL MAP OF SEATTLE HARBOR;

THENCE NORTH 01°08'22" EAST, ALONG SAID INNER HARBOR LINE, 66.80 FEET TO THE SOUTHERLY LIMITS OF THE LEASE AREA AS CONTAINED WITHIN THAT UNDRECORDED DEPARTMENT OF NATURAL RESOURCES LEASE NO. 22-090033;

THENCE NORTH 77°50'35" EAST, ALONG SAID SOUTHERLY LIMITS, 107.89 FEET TO THE EASTERLY LIMITS OF SAID LEASE AREA;

THENCE NORTH 01°08'22" EAST, ALONG SAID EASTERLY LIMITS, 61.64 FEET TO THE NORTHEAST CORNER OF SAID LEASE AREA, ALSO BEING A POINT ON THE EASTERLY EXTENSION OF THE NORTHERLY MARGIN OF SAID VACATED SOUTHWEST FLORIDA STREET;

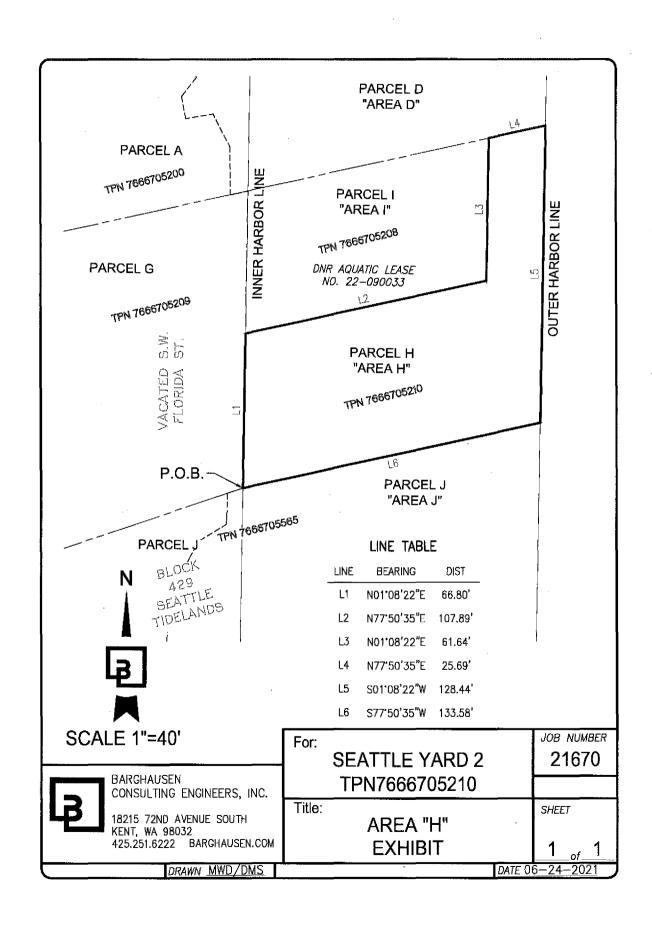
THENCE NORTH 77°50'35" EAST, ALONG SAID EASTERLY EXTENSION, 25.69 FEET TO THE OUTER HARBOR LINE;

THENCE SOUTH 01°08'22" WEST, ALONG SAID OUTER HARBOR LINE, 128.44 FEET; THENCE SOUTH 77°50'35" WEST, 133.58 FEET TO THE **POINT OF BEGINNING**.

CONTAINS 10,225± SQUARE FEET, 0.23± ACRES.



TPN 7666705210-AREA H 6/24/2021 21670 PAGE 1 OF 1 Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-32 of 41



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## Exhibit C

LIST REMEDIAL ACTION LEVELS (RALS), WHICH ARE THE CONCENTRATIONS OF COCS THAT WERE TO BE MET AT THE POST-DREDGING SEDIMENT SURFACE

Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-34 of 41

Record Date:8/13/2021 3:51 PM King County, WA

TABLE 2

REMEDIAL ACTION LEVELS TO BE ACHIEVED AT SEDIMENT SURFACE FOLLOWING EXCAVATION AND DREDGING

coc	Risk Driver?	Compliance Zone <sup>1</sup>	RAL	Units	Source	
Total PCBs	Yes	0 to 10 cm	12	mg/kg-OC	sqs	
Iotal Pops	res	0 10 10 CM	180	μg/kg dw	343	
PAHs	Yes		Not appl	icable		
Arsenic	Yes	0 to 10 cm	57	mg/kg-dw	SQS	
.ead	Yes	0 to 10 cm	530	mg/kg-dw	CSL	
ributyltin	Yes		Not appl	icable		
Copper	Yes	0 to 10 cm	390	mg/kg-dw	SQS and CSL	
/lercury	Yes	0 to 10 cm	0.41	mg/kg-dw	SQS	
Dioxins/Furans	Yes		Not appl	icable		
Chromium	No	0 to 10 cm	260	mg/kg-dw	SQS	
Cobalt	No	0 to 10 cm	10	mg/kg-dw	LAET/\$L	
Nickel	No	0 to 10 cm	140	mg/kg-dw	LAET/SL	
Selenium	No	0 to 10 cm	1	mg/kg-dw	LAET/SL	
/anadlum	No	0 to 10 cm	57	mg/kg-dw	LAET/\$L	
Zinc	No	0 to 10 cm	410	mg/kg-dw	SQS	
Pentachlorophenol	No	0 to 10 cm	360	mg/kg-dw	SQS	
Sin/2 athydroxy() phthalata	No	0 to 10 cm	47	rng/kg-OC	SQS	
3is(2-ethylhexyl) phthalate	I NO	0 (6 10 cm	710	μg/kg dw	343	
Acenaphthene	No	0 to 10 cm	16	mg/kg-OC	SQS	
Aceriaphilierie	140	0 10 10 011	240	μg/kg dw	363	
Benzo(a)anthracene	No	0 to 10 cm	110	mg/kg-OC	SQS	
senzo(a)anunacene	INU	O TO TO CINE	1,700	μg/kg dw	363	
Benzo(a)pyrene	No	0 to 10 cm	99	mg/kg-OC	SQS	
senzo(a)pyrene	Ma	0 10 10 011	1,500	μg/kg dw	262	
Benzo(g,h,i)perylene	No	0 to 10 cm	31	mg/kg-OC	sos	
senzo(g,n,n)perytene	INU	0 (0 10 cm	470	μg/kg dw	363	
Total Benzofluoranthenes	No	0 to 10 cm	230	mg/kg-OC	SQS	
otal Belizoiluoranthenes	INO	0 (0 (0 (11)	1,800	μg/kg dw	343	
Chrysene	No	0 to 10 cm	110	mg/kg-OC	SQS	
Chriysene	INO	0 10 10 0111	1,700	μg/kg dw	343	
Dibenz(a,h)anthracene	No	0 to 10 cm	12	mg/kg-OC	sqs	
Jibonz(a,II)anuracene	INO	0 10 10 011	180	μg/kg dw	ಎಭಾ	
Fluoranthene	No	0 to 10 cm	160	mg/kg-OC	SQS	
попапшене	140	o to to cm	2,400	μg/kg dw	sus	
ndono(1.2.2 ad)nyrono	No	0 to 10 cm	34	mg/kg-OC	SQS	
ndeno(1,2,3-cd)pyrene	l NO	O IO IO CM	510	μg/kg dw	<b>ડ</b> પુર	

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TABLE 2

REMEDIAL ACTION LEVELS TO BE ACHIEVED AT SEDIMENT SURFACE FOLLOWING EXCAVATION AND DREDGING

COC	Risk Driver?	Compliance Zone <sup>1</sup>	RAL	Units	Source
Phenanthrene	No	0 to 10 cm	100	mg/kg-OC	SQS
Prienanuliene	I NO	0 to 10 cm	1,500	μg/kg dw	505
Total HPAH	No	0 to 10 cm	960	mg/kg-OC	SQS
			14,000	μg/kg dw	3003
Remedial Action Levels for Di	ry Docks (Area 4) ar	d Localized Subareas (Are	a 5)		
Total PCBs	Yes	0 to 10 cm	65	mg/kg-OC	CSL
		. 0 10 10 6111	960	μg/kg dw	
cPAHs	Yes		Not appl		
Arsenic	Yes	0 to 10 cm	93	mg/kg-dw	CSL
Lead	Yes	0 to 10 cm	530	mg/kg-dw	CSL
Tributyitin	Yes		Not appl		
Copper	Yes	0 to 10 cm	390	mg/kg-dw	SQS and CSL
Mercury	Yes	0 to 10 cm	0,59	mg/kg-dw	CSL
Dioxins/Furans	Yes		Not appl	icable	
Chromium	No	0 to 10 cm	270	mg/kg-dw	CSL
Cobalt	No	0 to 10 cm	n/a	mg/kg-dw	
Nickel	No	0 to 10 cm	n/a	mg/kg-dw	
Selenium	No	0 to 10 cm	n/a	mg/kg-dw	
Vanadium	No	0 to 10 cm	n/a	mg/kg-dw	
Zinc	No	0 to 10 cm	960	mg/kg-dw	CSL
Pentachlorophenol	No	0 to 10 cm	690	mg/kg-dw	CSL
Bis(2-ethylhexyl) phthalate	No	0 to 10 cm	78	mg/kg-OC	CSL
bis(z-etriyinexyr) primalate	INU	0 to 10 cm	1,200	μg/kg dw	COL
Assashibasa	No	0 to 10 cm	57	mg/kg-OC	CSL
Acenaphthene	INO	O to lo cm	860	μg/kg dw	COL
Benzo(a)anthracene	No	0 to 10 cm	270	mg/kg-OC	CSL
perizo(a)antinacene	NO	0 10 10 011	4,100	μg/kg-dw	COL
Poppe/e/pyrope	No	0 to 10 cm	210	mg/kg-OC	CSL
Benzo(a)pyrene	NO	0 10 10 011	3,200	μg/kg dw	COL
Benzo(g,h,i)perylene	No	0 to 10 cm	78	mg/kg-OC	CSL
Berizo(g,n,i)peryiene	I NO	0 to 10 cm	1,200	μg/kg dw	Ų\$L
Total Benzofluoranthenes	No	0 to 10 am	450	mg/kg-QC	CSL
i otai benzoriuorantnenes	No	0 to 10 cm	6,800	μg/kg dw	USL
Charana	No	0 to 10 cm	460	mg/kg-OC	
Chrysene	No	U 10 10 cm	6,900	μg/kg dw	CSL

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TABLE 2

REMEDIAL ACTION LEVELS TO BE ACHIEVED AT SEDIMENT SURFACE FOLLOWING EXCAVATION AND DREDGING

coc	Risk Driver?	Compliance Zone <sup>1</sup>	RAL	Units	Source	
Dibenz(a,h)anthracene	No	0 to 10 cm	33	mg/kg-OC	CSL	
Dibenz(a,n)antinacene	NO	0 10 10 cm	500	μg/kg dw	COL	
luoranthene	No	0 to 10 cm	1,200	mg/kg-OC	CSL	
	140	O to to crit	18,000	μg/kg dw		
incleno(1,2,3-cd)pyrene	No	0 to 10 cm	88	rng/kg-OC	CSL	
moleno(1,2,5-cu)pyrene	140	0.010 (011	1,300	μg/kg dw	COL	
Phenanthrene	No	0 to 10 cm	480	mg/kg-OC	CSL	
- Heriantrirezie	INU	0.0.10.011	7,200	μg/kg dw	USL	
Total HPAH	No	0 to 10 cm	5,300	mg/kg-OC	CSL	
TOTALL	INU	0 10 10 0111	79,500	μg/kg dw	CSL	

#### Note(s

#### Abbreviation(s)

COC = contaminant of concern
cm = centimeter(s)
cPAH = carcinogenic polycyclic aromatic hydrocarbon
CSL = cleanup screening level
dw = dry weight
HPAH = high-molecular-weight polycyclic aromatic hydrocarbon
LAET = lowest-apparent-affect threshold
mg/kg-dw = milligrams per kilogram dry weight

n/a = compounds do not present a risk for the RAO scenario mg/kg-OC = milligram(s) per kilogram, organic-carbon-normalized value PCB = polychlorinated bliphenyl RAL = remedial action level SL = screening level SQS = sediment quality standards µg/kg dw = microgram(s) per kilogram dry weight

<sup>1.</sup> The Compliance Basis is Subtidal Surface Sediment (point), and is the same for all COCs.

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## Exhibit D

LIST CLEANUP LEVELS THAT HAD TO BE (AND WERE) MET AT THE SEDIMENT SURFACE FOLLOWING PLACEMENT OF COVER MATERIAL

Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-38 of 41

Record Date:8/13/2021 3:51 PM King County, WA

TABLE 1
SUMMARY OF CLEANUP LEVELS FOR CONTAMINANTS OF CONCERN IN SEDIMENT

				RAO 1	RAO 2	RAO 3	RAO 4
	Risk		Spatial Scale	Human Seafood Consumption <sup>3</sup>	Human Direct Contact <sup>3</sup>	Benthic Organisms <sup>4</sup>	Ecological <sup>5</sup>
coc	Driver?	Units <sup>†</sup>	of Exposure <sup>2</sup>	(0 to 10 cm)	(0 to 45 cm)	(0 to 10 cm)	(0 to 10 cm)
			Subtidal	2 (nat. bkgd)	n/a	n/a	100 (RBTC - fish)
Total PCBs	Yes	μg/kg dw	Intertidal	2 (nat. bkgd)	n/a	n/a	n/a
			Point	п/а	n/a	12 mg/kg-OC/180 (SQS)	n/a
			Subtidal	9 (nat. bkgd)	550 (RBTC) <sup>6</sup>	n/a	n/a
cPAHs	Yes	μg TEQ/kg dw	Intertidal	9 (nat. bkgd)	15 (R8TC) <sup>7</sup>	n/a	n/a
			Point	n/a	n/a	n/a	n/a
			Subtidal	7 (nat. bkgd)	7 (nat. bkgd)	n/a	n/a
Arsenic	Yes	mg/kg dw	Intertidal	7 (nat. bkgd)	7 (nat. bkgd)	n/a	n/a
			Point	n/a	n/a	57 (SQS)	n/a
			Subtidal	11 (nat. bkgd)	n/a	n/a	n/a
Lead	Yes	mg/kg dw	Intertidal	11 (nat. bkgd)	n/a	n/a	50 (RBTC - sandpiper)
			Point	n/a	n/a	n/a	n/a
		μg/kg dw	Subtidal	430 (RBTC - child)	n/a	n/a	150
Tributyltin	Yes		Intertidal	2,000 (RBTC - child)8	n/a	n/a	n/a
			Point	n/a	n/a	n/a	n/a
			Subtidal	400 (RBTC - child)	n/a	n/a	114 (RBTC - fish)
Copper	Yes	mg/kg dw	Intertidal	400 (RBTC child) <sup>8</sup>	n/a	n/a	420 (RBTC - sandpiper)
			Point	n/a	n/a	390 (SQS/CSL)	n/a
			Subtidal	0.41 (RBTC - child)	n/a	n/a	n/a
Mercury	Yes	mg/kg dw	Intertidal	0.17 (RBTC - child)	n/a	n/a	n/a
			Point	n/a	n/a	0.41 (SQS)	n/a
	1		Subtidal	2 (nat. bkgd)	37 (RBTC) <sup>8</sup>	n/a	n/a
Dioxins/ Furans	Yes	ng TEQ/kg dw	Intertidal	2 (nat. bkgd)	13 (RBTC) <sup>8</sup>	n/a	n/a
			Point	п/а	n/a	n/a	n/a
			Subtidal	`n/a	n/a	n/a	n/a
Antimony	No	mg/kg dw	Intertidal	n/a	n/a	n/a	n/a
-			Point	n/a	n/a	150 (LAET/SL)	n/a
			Subtidal	0.398 (nat. bkgd)	n/a	n/a	n/a
Cadmium	No	mg/kg dw	Intertidal	0.398 (nat. bkgd)	n/a	n/a	n/a
,			Point	n/a	n/a	п/а	n/a
			Subtidal	· n/a	n/a	n/a	n/a
Chromium	No	mg/kg dw	Intertidal	п/а	n/a	n/a	n/a
	1		Point	n/a	п/а	260 (SQS)	n/a

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Instrument Number: 20210813001795 Document: COV Rec: \$243.50 Page-39 of 41

Record Date:8/13/2021 3:51 PM King County, WA

TABLE 1
SUMMARY OF CLEANUP LEVELS FOR CONTAMINANTS OF CONCERN IN SEDIMENT

				RAO 1	RAO 2	RAO 3	RAO 4
				Human Seafood	Human Direct		
	Risk		Spatial Scale	Consumption <sup>3</sup>	Contact <sup>3</sup>	Benthic Organisms <sup>4</sup>	Ecological <sup>5</sup>
COC	Driver?	Units <sup>1</sup>	of Exposure <sup>2</sup>	(0 to 10 cm)	(0 to 45 cm)	(0 to 10 cm)	(0 to 10 cm)
			Subtidal	п/а	n/a	n/a	n/a
Cobalt	No	mg/kg dw	Intertidal	п/а	n/a	n/a	n/a
			Point	n/a	n/a	10 (LAET/SL)	n/a
			Subtidal	n/a	r√a	n/a	п/а
Nickel	No	mg/kg dw	Intertidal	n/a	n/a	n/a	п/а
			Point	n/a	n/a	140 (LAET/SL)	n/a
			Subtidal	n/a	n/a	n/a	n/a
Selenium	No	mg/kg dw	Intertidal	n/a	r/a	n/a	n/a
			Point	n/a	r/a	1 (LAET/SL)	n/a
			Subtidal	n/a	r/a	n/a	n/a
Vanadium	No	mg/kg dw	Intertidal	n/a	n/a	п/а	n/a
		Point	n/a	n/a	57 (LAET/SL)	n/a	
		mg/kg dw	Subtidal	n/a	n/a	n/a	n/a
Zinc	No		Intertidal	n/a	n/a	n/a	n/a
			Point	n/a	n/a	410 (SQS)	n/a
Pentachloro-			Subtidal	n/a	n/a	n/a	n/a
pheno!	No	μg/kg dw	Intertidal	n/a	n/a	n/a	n/a
prienos			Point	n/a	n/a	360 (SQS)	n/a
Bis(2-ethylhexyl)			Subtidal	n/a	n/a	n/a	n/a
phthalate	No	μg/kg dw	Intertidal	n/a	n/a	n/a	n/a
privialate			Point	n/a	n/a	47 mg/kg-OC/710 (SQS)	п/а
	i i		Subtidal	n/a	n/a	n/a	n/a
Acenaphthene	No	μg/kg dw	Intertidal	n/a	n/a	n/a	n/a
•	i	•	Point	п/а	n/a	16 mg/kg-OC/ 240 (SQS)	n/a
D====/=)			Subtidal	n/a	n/a	n/a	n/a
Benzo(a)- anthracene	No	μg/kg dw	Intertidal	n/a	n/a	n/a	n/a
antiracene		· - <del>-</del>	Point	n/a	n/a	110 mg/kg-OC/ 1,700	n/a
			Subtidal	п/а	n/a	n/a	n/a
Benzo(a)pyrene	No	μg/kg dw	Intertidal	п/а	п/а	п/а	n/a
		,	Point	n/a	п/а	99 mg/kg-OC/ 1,500 (SQS)	n/a
Popzala h i\			Subtidal	n/a	n/a	n/a	п/а
Benzo(g,h,i)-	Nο	μg/kg đw	Intertidal	n/a	n/a	n/a	n/a
perylene		· <del>-</del> -	Point	n/a	n/a	31 mg/kg-QC/ 470 (SQS)	n/a

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Record Date:8/13/2021 3:51 PM King County, WA

TABLE 1
SUMMARY OF CLEANUP LEVELS FOR CONTAMINANTS OF CONCERN IN SEDIMENT

coc	Risk Driver?	Units <sup>1</sup>	Spatial Scale of Exposure <sup>2</sup>	RAO 1 Human Seafood Consumption <sup>3</sup> (0 to 10 cm)	RAO 2 Human Direct Contact <sup>3</sup> (0 to 45 cm)	RAO 3  Benthic Organisms <sup>4</sup> (0 to 10 cm)	RAO 4  Ecological <sup>5</sup> (0 to 10 cm)
Total Benzofluor- anthenes	Intertidal	n/a	n/a	n/a	n/a		
	Point	n/a	n/a	230 mg/kg-OC/ 1,800	n/a		
Chrysène	No	µg/kg dw	Subtidal	n/a	n/a	n/a	n/a
			Intertidal	n/a	n/a	n/a	n/a
			Point	n/a	n/a	110 mg/kg-OC/ 1,700	n/a
Dibenz(a,h)- anthracene	No	μg/kg dw	Subtidal	n/a	n/a	n/a	n/a
			Intertidal	n/a	n/a	n/a	n/a
			Point	n/a	n/a	12 mg/kg-OC/ 180 (SQS)	n/a
	No	μg/kg dw	Subtidal	n/a	n/a	n/a	n/a
Fluor-anthene			Intertidal	n/a	n/a	n/a	n/a
			Point	n/a	n/a	160 mg/kg-OC/ 2,400	n/a
Indeno(1,2,3-	No	μg/kg dw	Subtidal	n/a	n/a	n/a	n/a
cd)pyrene			Intertidal	n/a	n/a	n/a	n/a
			Point	n/a	n/a	34 mg/kg-OC/ 510 (SQS)	n/a
Phenan-threne	No	μg/kg dw	Subtidal	n/a	n/a	n/a	n/a
			Intertidal	n/a	n/a	n/a	n/a
			Point	n/a	n/a	100 mg/kg-OC/ 1,500	n/a
Total HPAH	No	μg/kg dw	Subtidal	п/а	n/a	n/a	n/a
			Intertidal	n/a	n/a	n/a	n/a
			Point	n/a	n/a	960 mg/kg-OC/ 14,400	n/a

## Note(s)

- Unless noted differently in RAO-specific values.
- 2. The spatial scale of exposure is measured as subtidal SWAC, intertidal sediments SWAC, and point measurements at single locations throughout the site (i.e., all subtidal and intertidal sediment locations) or at single locations in intertidal sediment only. The spatial scale is RAO-specific, with site-wide exposures applicable to human seafood consumption, human direct contact, and exposures of fish and crab. Intertidal-only exposures are applicable to human consumption of clams from intertidal areas and exposures of sandpiper. Point exposures are applicable to benthic organisms, which are evaluated at single station locations. The statistical metric for site-wide and intertidal evaluation of alternatives and compliance monitoring is the upper confidence limit on the mean, whereas point exposures are evaluated with concentration data at single locations.
- 3. Cleanup levels are based on 10<sup>-5</sup> cancer risk for carcinogens (e.g., PCBs, cPAHs, arsenic) or on a child exposure hazard quotient of 1 for noncarcinogens (lead, tributyltin, copper). Where cleanup levels are based on carcinogenic risks below background, the background concentration is selected; where no background values are available (chlordanes and DDT), the method detection limit (MDL) is selected.

July 2018

Final (100 Percent) Design

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TABLE 1

## SUMMARY OF CLEANUP LEVELS FOR CONTAMINANTS OF CONCERN IN SEDIMENT

	***************************************				RAO 1	RAO 2	RAO 3	RAO 4
					Human Seafood	Human Direct		
1		Risk		Spatial Scale	Consumption <sup>3</sup>	Contact <sup>3</sup>	Benthic Organisms <sup>4</sup>	Ecological <sup>5</sup>
L	COC	Driver?	Units <sup>1</sup>	of Exposure <sup>2</sup>	(0 to 10 cm)	(0 to 45 cm)	(0 to 10 cm)	(0 to 10 cm)

<sup>4.</sup> Applicable on a point exposure only. Two values for PCBs and PAHs (except total benzofluoranthenes). The first is the organic carbon-normalized SQS value (mg/kg-QC. The second is the dry-weight equivalent based on an average sediment total organic carbon content of 1.5%. For all other compounds, values are dry weight. Under the SMS, sediment cleanup standards are established on a site-specific basis within an allowable range. The SQS and CSL define this range. For chemicals without SMS, LAET and 2LAET values or the SL and ML of the DMMP define this range.

- 5. Cleanup levels for site-wide exposure are the lowest for either fish or crab; cleanup levels for intertidal exposure are for sandpiper.
- 6. The cleanup level for site-wide direct contact is based on netfishing.
- 7. The cleanup level for intertidal direct contact is based on the lowest for either Tribal clamming or child beach play exposures.
- 8. The cleanup level for intertidal seafcod consumption is based on consumption of clams from the intertidal sediment.

## Abbreviation(s)

COC = contaminant of concern
cm = centimeter(s)
cPAH = carcinogenic polycyclic aromatic hydrocarbon
CSL = cleanup screening level
DMMP = dredged material management program
dw = dry weight
HPAH = high-molecular-weight polycyclic aromatic hydrocarbon
LAET = lowest-apparent-effect threshold
ML = maximum level
mg/kg-dw = milligram(s) per kilogram dry weight
mg/kg-OC = milligram(s) per kilogram, organic-carbon-normalized value
n/a = compounds do not present a risk for the RAO scenario

Nat. Bkgd = natural background
ng TEQ/kg-dw = nanograms toxicity equivalents per kilogram dry weight
PCB = polychlorinated biphenyl
RAO = remedial action objective
RBTC = risk-based threshold concentrations
SL = screening level
SMS = Sediment Management Standards
SQS = sediment quality standards
SQS = sediment quality standards
SWAC = surface-weighted average concentration
µg/kg dw = microgram(s) per kilogram dry weight
µg TEQ/kg dw = microgram(s) toxicity equivalents per kilogram dry weight

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