

CONTRACT FORM

This Contract is entered into by and between the King County Housing Authority, hereinafter referred to as the "Owner" whose principal office is located at 600 Andover Park West, Seattle, WA 98188 and [Name of Contractor], referred to as the "Contractor", whose principal office is located at [Contractor's Address].

IN CONSIDERATION OF the mutual benefits and conditions hereinafter contained, the parties hereto agree as follows:

1.1 Contract Documents

- A. The provisions set forth in the Contract Documents are hereby incorporated into and made part of the Contract. Contractor acknowledges receipt and review of all Contract Documents applicable to performance of the work. The Contract shall consist of the following component parts:

- This Instrument
- I. Invitation to Bid
- II. Instructions to Bidders
- III. Project Milestones
- IV. Bid Submittal Package
- V. Forms to Submit by Bidder Upon Selection
- VI. General Conditions
- VII. Specifications
- VIII. Hazardous Material Report

- 1.2 Scope of Services to be Performed by the Contractor: The Contractor shall provide all labor, materials, tools, equipment, transportation, supplies, and incidentals required to complete the work in accordance with the Contract Documents for:

Project: Greenbridge Scattered Site Abatement & Demolition Contract No.: KP2213108

- 1.3 Compensation: The total amount of the Contract shall be [\$\$\$] dollars and [¢¢] cents (\$[\$\$\$.\$\$]) subject to additions and deductions provided therein.
- 1.4 Duration of Contract: The Contractor shall commence work after receipt of Notice to Proceed, follow the schedule specified in the contract documents, and all work must be completed within [Contract Duration] ([##]) consecutive calendar days from the date of the Notice to Proceed unless sooner terminated pursuant to the General Conditions. Upon expiration of the original Contract term, the Contract, at the Owner's sole discretion, may be extended for a period determined by the Owner. [\$\$\$]

The individuals signing this Contract warrant and represent for themselves and for their respective organizations that they are duly authorized to sign this Contract and that upon such signing their respective organizations are bound thereby.

DATED this _____ day of _____, 2022

Contractor

Owner

President/Owner

[Name of Signer]

[Title of Signer]

KING COUNTY HOUSING AUTHORITY

SECTION I

INVITATION TO BID

<p style="text-align: center;">Invitation to Bid</p> <p style="text-align: center;">Greenbridge Scattered Site Abatement & Demolition Project</p>

King County Housing Authority cordially invites your company to submit a bid proposal for the above referenced project for the King County Housing Authority. This invitation is sent to request proposals by which team members will be selected and subcontracts/supply agreements will be awarded.

Please be advised that we will be accepting proposals on the referenced project at the **King County Housing Authority, 600 Andover Park W., Seattle, WA 98188 until 3:00 pm, October 6, 2022.** Proposed Subcontractors Lists should be submitted with bid.

NO LATE BIDS CAN BE ACCEPTED

The Greenbridge Scattered Site Abatement and Demolition Project will include the abatement and demolition of two sites. A single family home located at 520 SW 102nd Street and five structures located at 10041 6th Ave SW. These buildings include a single story structure split into north and south connected by a covered porch. Two single story classrooms. A single story portable without restroom or plumbing and a north and south shed. The location of the properties are identified on the site maps illustrated in Attachment A. These structures will also need to be abated. The hazardous materials survey is included as Attachment B. Utilities will also need to be cut and capped. Additional scope includes debris removal and site stability. Recycling of materials should be maximized. Please refer to the attached project manual for the **Greenbridge Scattered Site Abatement & Demolition Project** in preparing your bid.

The completion dates in the Project Milestone Schedule are proposed, as follows:

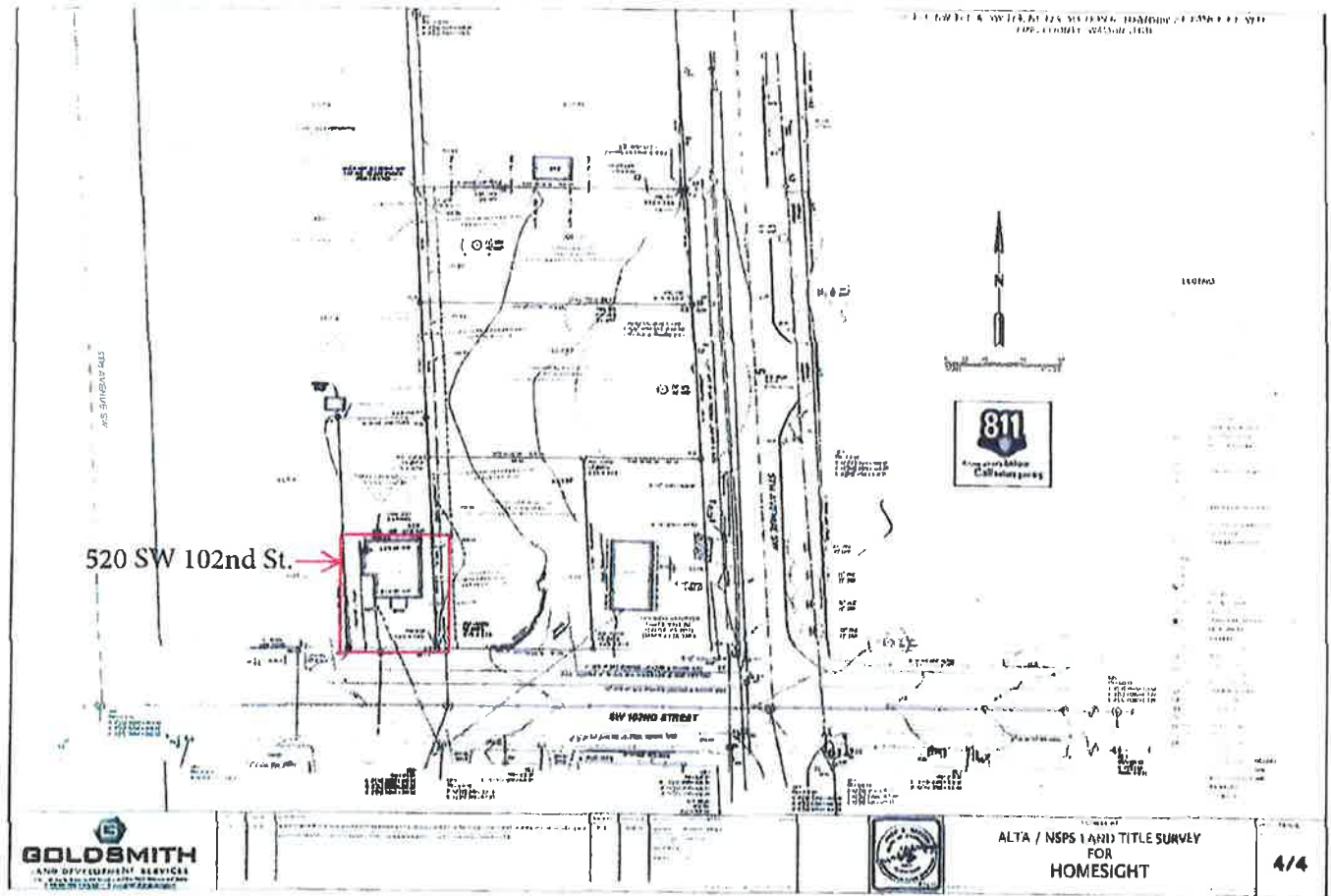
Pre-Bid Meeting/Site Tour	September 29, 2022
Bids Due	October 6, 2022
Initial Selection of Low Bidder	October 13, 2022
Notification of Bid Award	October 20, 2022 (<i>estimated</i>)
Finish Demolition	November 10, 2022
All Documentation Completed	December 1, 2022

A Pre-Bid Meeting, including Site Tour, has been scheduled at the project site 520 SW 102nd Street Seattle, WA on September 29, 2022. Potential bidders are strongly encouraged to attend.

All bidders are responsible for complying with the contract documents in their entirety, including any addendum.

Successful bidders must meet all bonding and insurance requirements. Bids will be considered non-responsive if the subcontract is altered in any way without the issues being qualified with the bid.

Attachment A1



Attachment A2



WHITE CENTER HEIGHTS
ELEMENTARY SCHOOL

TEMPORARY SAN. SEWER EASEMENT

10041 6th Ave SW

6th AVE. SW

30

30

SW 102nd STREET

GREENBRIDGE
LOT 1



SECTION II

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

1.0 BIDDER RESPONSIBILITY CRITERIA

A. It is the Owners intent to award a contract to a responsible bidder submitting the lowest responsive bid. Before award, the bidder must meet the following bidder responsibility criteria to be considered a responsible bidder. The bidder may be required by the Owner to submit documentation demonstrating compliance with the criteria. The bidder must:

1. Have a current certificate of registration as a contractor in compliance with chapter 18.27 RCW, which must have been in effect at the time of bid submittal;
2. Have a current Washington Unified Business Identifier (UBI) number;
3. If applicable:
 - a. Have Industrial Insurance (workers' compensation) coverage for the bidder's employees working in Washington, as required in Title 51 RCW;
 - b. Have a Washington Employment Security Department number, as required in Title 50 RCW;
 - c. Have a Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW.
4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).
5. Must not have an active exclusion or delinquent federal debt as indicated in the System for Award Management.
6. Must not have an entry in the U.S. Department of Housing and Urban Development--Limited Denial of Participation, HUD Funding Disqualifications and Voluntary Abstentions list (ECPCIS).

1.1 SUBCONTRACTOR RESPONSIBILITY

A. The Contractor shall include the language of this section in each of its first tier subcontracts, and shall require each of its subcontractors to include the same language of this section in each of their subcontracts, adjusting only as necessary the terms used for the contracting parties. Upon request of the Owner, the Contractor shall promptly provide documentation to the Owner demonstrating that the subcontractor meets the subcontractor responsibility criteria below. The requirements of this section apply to all subcontractors regardless of tier.

B. At the time of subcontract execution, the Contractor shall verify that each of its first tier subcontractors meets the following bidder responsibility criteria:

1. Have a current certificate of registration in compliance with chapter 18.27 RCW, which must have been in effect at the time of subcontract bid submittal;
2. Have a current Washington Unified Business Identifier (UBI) number;
3. If applicable, have:

- a. Industrial Insurance (workers' compensation) coverage for the subcontractor's employees working in Washington, as required in Title 51 RCW;
 - b. A Washington Employment Security Department number, as required in Title 50 RCW;
 - c. A Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW;
 - d. An electrical contractor license, if required by Chapter 19.28 RCW;
 - e. An elevator contractor license, if required by Chapter 70.87 RCW.
4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).
 5. Must not have an active exclusion or delinquent federal debt as indicated in the System for Award Management.

1.2 SUPPLEMENTAL BIDDER RESPONSIBILITY CRITERIA

- A. RCW 39.04.350(2) specifically authorizes municipalities to adopt relevant supplemental criteria for determining bidder responsibility applicable to a particular project which the bidder must meet.
- B. For the work in this project a responsible/qualified Bidder must meet the following standards:
 1. Have a current certificate of registration as a contractor, in compliance with chapter 18.27 RCW, for the last three years under the same business name.
 2. Have a good record of past performance that includes, but is not limited to, high quality work, ability to complete projects on time, contractor's integrity, compliance with public policy, financial, contractual and tax obligations, as well as Federal and State rules and regulations in performing construction contracts.
 3. Have a current Experience Modification Rate (EMR) of 1.0 or less, or an average EMR rate of 1.0 or less over the last three years. The requirement may, at Owners sole discretion, be waived or review of the written explanation that includes the details of accidents, L&I records, a Loss Ratio Report for the last 5 years, costs, dates of events, and changes that have been made by the contractor to deduce accidents. A current company Safety Plan shall also be reviewed.
 4. Bidder shall provide evidence of previous successful completion of building abatement projects of similar scope and complexity.
- C. Subcontractors shall have had three years minimum experience licensed in Washington State under the same business name in the specific specialty contracting business.

1.3 PREPARATION OF BIDS – CONSTRUCTION

- A. Bids must be submitted on the Bid Form furnished by the Owner.
- B. All fields and questions on required forms must be fully answered and complete. Failure to do so may result in the bid being declared non-responsive.

- C. Bidder shall acknowledge receipt of all addenda to this solicitation by inserting the addenda numbers in the space provided on the Bid Form. Failure to do so may result in the bid being declared non-responsive.
- D. In order for a bid to be considered responsive, bidders must submit the following signed documents by the bid due date and time:
 - 1. Complete Bid Proposal includes:
 - a. Bid Form
 - b. Bidder Information Form

After the bids are reviewed the Owner may request more information from the contractor which must be provided within three (3) days of the request. Failure to provide requested documents by the date and time will result in the bid being determined to be non-responsive.

After the initial selection of the demolition contractor, the selected contractor must submit all required forms listed in the project manual within three (3) business days. Including the following signed documents:

- a. Proposed Subcontractors List
- b. Bidder's Experience Record
- c. Contractor Certification
- d. Notarized Non-collusive Affidavit
- e. Equal Opportunity Clause
- f. Certification of Non-segregated Facilities
- g. Certification Regarding Debarment and Suspension Compliance
- h. Section 3 - Business Certification Form

- E. The Bidder agrees to hold the base bid prices for forty-five (45) days from date of bid opening.

1.4 AMMENDMENTS TO INVITATION TO BID

- A. If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.
- B. Bidders shall acknowledge receipt of all addenda to this solicitation by inserting the addenda numbers in the space provided on the Bid Form. Failure to do so may result in the bid being declared non-responsive.

1.5 PRE-BID MEETING

- A. All potential bidders are strongly encouraged to attend. Oral statements may not be relied upon and will not be binding or legally effective.

1.6 EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE

- A. Before submitting a bid, the Bidder shall carefully examine each component of the Contract Documents prepared for the Work and any other available supporting data so as to be thoroughly familiar with all the requirements.
- B. The Bidder shall obtain copies of all agencies and associations guidelines and standards cited in the Contract Documents and necessary to perform the Work, including full size reproductions of material provided by Owner, at their own expense.
- C. The Bidder shall make a thorough and reasonable examination of the project site, facility and conditions under which the Work is to be performed, including but not limited to: Building access; fire lanes; landscaping; obstacles and character of materials which may be encountered; traffic conditions; public and private utilities; the availability and cost of labor; and available facilities for transportation, handling, and storage of materials and equipment.

1.7 EXPLANATION TO PROSPECTIVE BIDDERS

- A. Any prospective bidder desiring an explanation or interpretation of the solicitation, drawings, specifications, etc., must submit a request in writing to the Owner seven (7) calendar days before the bid due date. Oral explanations or instructions given before the award of a contract will not be binding. Questions shall be submitted to:

Kevin Preston
King County Housing Authority
600 Andover Park W
Seattle, WA 98188
Email: KevinP@KCHA.org

1.8 PUBLIC RECORDS

All information submitted to KCHA will become public records, as per RCW 42.56. If you are submitting information which you think is confidential and/or proprietary to your business, KCHA recommends that you do not submit that information, as the Owner cannot guarantee that type of information will be withheld from a public disclosure request.

1.9 PREVAILING WAGE

- A. Contractor shall pay no less than the Washington State Department of Labor and Industries (L&I) prevailing rate of wages to all workers, laborers, or mechanics employed in the performance of any part of the Work in accordance with RCW 39.12 and the rules and regulations of L&I. The schedule of prevailing wage rates for the locality or localities of the Work is determined by the Industrial Statistician of L&I. It is the Contractor's responsibility to verify the applicable prevailing wage rate.
 - 1. L&I prevailing wage rates may be found at <https://lni.wa.gov/licensing-permits/public-works-projects/prevailing-wage-rates/>
 - 2. The prevailing wage rates publication date is determined by the bid **due date**.

3. The work is to be performed in King County.

1.10 TAXES

- A. This project is taxed under government contracting B&O tax classification. The Contractor shall pay the B & O tax to the Department of Revenue and shall furnish proof of payment to the Owner if requested.
- B. The retail sales tax does not apply to the gross contract price.

1.11 BID ERROR

- A. In the event Bidder discovers an error in its bid, the Bidder may, under certain conditions and if before the date and time that bids are due, modify, their bid, as detailed below:
 - 1. Prior to Date and Time Bids are Due:
 - a. A Bidder may withdraw its bid at any time prior to the date and time bids are due upon written request.
 - b. After withdrawing an original submitted bid, a Bidder may modify and resubmit its bid at any time prior to the date and time bids are due.
 - 2. After the Date and Time Bids are Due:
 - a. A bidder who submits an erroneous low bid may withdraw the bid. The bid withdrawal is permissible if there was an obvious error in the low bid, and the mistake is readily apparent from the bid itself.
 - b. Notification: Provide to the Owner, within 24 hours of bid opening, written notification of the bidder's intent to withdraw the bid due to error.
 - c. Documentation: Provide to the Owner within 48 hours of bid opening, documentation sufficient in content to justify bid withdrawal to the satisfaction of the Owner. Include description and evidence of the error.
 - d. Approval: the Owner will approve or reject the request for withdrawal in writing.
 - e. Any low bidder who withdraws its bid is prohibited from bidding on the same project if it is subsequently re-solicited.

1.12 ADITIVE OR DEDUCTIVE BID ITEMS

- A. The low bid, for purposes of award, shall be the lowest responsive bid from a qualified responsible bidder offering the low aggregate amount for the base bid, plus additive or deductive bid alternates selected by the Owner.

1.13 BID EVALUATION

- A. Responsive Bids: A bid will be considered responsive if it meets the conditions of the solicitation, in addition to but not limited to the following requirements:
 - 1. Bid is received not later than the time and date specified.
 - 2. Bid is submitted in the proper format on the form(s) provided.
 - 3. Bid includes the complete work plan as defined by the specifications and scope of work in the bid package.
 - 4. Bid does not include any exclusions or qualifications.
 - 5. Bid includes Unit and Lump Sum Costs as listed in Proposal Form.
- B. At the deadline bids will be checked for correctness of bid item prices, extensions and the total bid price. Discrepancies shall be resolved by accepting the bid item prices and the corrected extensions and total bid price.
- C. Responsible Bidders: the Owner will award contracts only to responsible bidders who demonstrate the ability to successfully perform under the terms and conditions as set forth in the Contract Documents and have successfully completed projects similar in scope and complexity.
 - 1. Bidders must demonstrate relevant experience on similar types of projects and submit detailed information as required on the Bidder Information Form.
- D. The Owner reserves the right to contact references and investigate past performance and qualifications of the Bidder, subcontractor, and project team members, including contacting third parties and/or the references provided by the Bidder.
 - 1. The Owner may contact references for other projects including those the Bidder did not identify and/or provided references.
 - 2. References may be asked to rate the performance of and describe their experience with project team members and subcontractors. Bidder Information may be solicited and evaluated on the following subjects: type and features of work; overall quality of project performance and quality of work; experience and technical knowledge and competence of the Bidder and Project Team Members; ability, capacity and skill to perform the Work; ability to manage submittals, requests for information, prevailing wage filings, and other paperwork; compliance with laws, ordinances, and contract provisions; and other information as deemed necessary.
 - 3. Poor reference(s) may be justification to determine a Bidder is not responsible.
- E. At the Owner's request, provide any additional explanation or information, which would assist in evaluating the qualifications of the Bidder, subcontractors, project team members, and bid price.
- F. The Owner will verify information submitted and if the lowest bidder is determined to be "not responsible," the Owner will issue, in writing, the specific reasons for this determination. The bidder may appeal this decision. The appeal must be in writing and shall be delivered to the Owner within two (2) business days. The appeal may include additional information that was not included in the original bid documents. KCHA will make a final determination after the receipt of the appeal. The final determination may not be appealed.

Greenbridge Demolition Services

Contract Number: KP2213108
KCHA

Section II
INSTRUCTIONS TO BIDDERS
Page 7 of 7

1.14 CONTRACT AWARD

- A. Insurance: Contract award will be contingent on Contractor's ability to meet the Owner insurance requirements as detailed in the Bid Documents.
- B. Insurance and an approved Statement of Intent to Pay Prevailing Wages shall be submitted to the Owner within 14 days of contract award. A Notice to Proceed shall be issued immediately after receipt.
- C. Right to Reject Bids/Waiver: The Owner reserves the right to reject any or all bids or to waive any informalities or irregularities in the bidding.
- D. Retainage Funds: The Owner will not pay interest to the Contractor for accounts where retainage funds are maintained by the Owner. As part of the procurement by which the Contractor was selected for this work, the Contractor agrees to waive any other options and has made allowances for this waiver.

SECTION III

PROJECT MILESTONES

Project Milestones

Wind Rose Demolition Services

The completion dates in the Project Milestone Schedule are proposed, as

follows: Pre-Bid Meeting/Site Tour	September 29, 2022 10:00 am
Bids Due	October 6, 2022, 3:00 pm
<i>Initial Selection of Low Bidder</i>	<i>October 13, 2022</i>
<i>Notification of Bid Award</i>	<i>October 20, 2022</i>
<i>Complete abatement & demolition</i>	<i>November 10, 2022</i>
Final Completion	December 1, 2022

Notes to Contractor:

Dates in **bold** are mandated by the Contract.

Dates in *italics* are estimated milestone dates, provided to Contractor as an aid in planning and scheduling only. These estimated dates may change. Such changes, if any, shall not be an automatic reason to extend the date of Final Completion. The Contractor shall make reasonable schedule adjustments to accommodate any such date changes, in order to accomplish the mandatory interim completion dates, if any, and final completion date.

* A Notice to Proceed shall be issued immediately after receipt of required forms, detailed in the Project Manual (such as proof of insurance and Statement of Intent to Pay Prevailing Wages).

SECTION IV

BID SUBMITTAL PACKAGE



**Greenbridge Scattered Site
Abatement & Demolition
Project**

**BID SUBMITTAL
PACKAGE**

Bidding Contractor's Company Name: _____

Bidding Contractor's Company Name:

BID SUBMITTAL PACKAGE

Greenbridge Scattered Site Abatement and Demolition Project

Bids Due by 3:00 PM October 6, 2022

Bid To:

King County Housing Authority
600 Andover Park West
Seattle, WA 98188
Attn: Kevin Preston

Bid Package Checklist

A complete Bid Package includes:

- Bid Form
- Bidder Information Form

Greenbridge Demolition Services

Contract Number: KP2213108

KCHA

Section IV

BID SUBMITTAL PACKAGE

Page 3 of 5

Bidding Contractor's Company Name:

BID FORM

BID DATE: Thursday, October 6, 2022

The lump sum bid below represents all labor, work plans and submittals, equipment, materials, disposal, insurance, overhead, profit and applicable taxes for the removal and disposal as described and amended in the Project Manual.

**Greenbridge Scattered Site
Abatement & Demolition Bid
Including:
520 SW 102nd Street and 10041 5th Ave SW**

Building	# Work Days To Complete	Abatement & Demolition Total
Abatement & Demolition 520 SW 102 nd Street		\$
Abatement & Demolition 10041 5 th Ave SW		\$
Lump Sum		\$

_____ (Dollars)

Lump sum of contractors bid. Write out the amount in words. (Written amount must be the same price listed above.)

Contractor Name: _____

ACKNOWLEDGMENT OF ADDENDA:

(Initial and date to acknowledge receipt of addenda)

1 DATE: **# 2** DATE: **# 3** DATE:

Bidding Contractor's Company Name:

BIDDER'S INFORMATION

Company: _____

Address: _____

City/State/Zip: _____

COMPLETE BID: Contractor shall include all costs of doing the work shown, described, and intended by the Project Manual and Contract Documents, within the unit and lump sum bid prices in the proposal. If the intended scope of the project, in place and complete, requires work that has no unit or lump sum bid item in the proposal, costs shall be incidental to and included within the stipulated sum amount in the Contract.

LOW BIDDER DETERMINATION: The determination of who is low bidder will be determined on the basis of the grand total of the Total Base Bid Price + selected Alternate Items (if any). The Owner reserves the right to accept any, all, or no Alternate Items at time of Award, or at any time thereafter.

BID RETENTION: The undersigned further agrees to hold said bid valid for a period of FORTY FIVE (45) DAYS from date of Bid Opening, with the exception of Alternate Items, which must be held valid for a period of ONE HUNDRED TWENTY (120) DAYS from date of Bid Opening, as stated herein.

TIME FOR COMPLETION: The undersigned hereby agrees to complete all the work required under the Contract and in accordance with the Contract Documents, **on or before the completion date(s) shown in Project Milestones, Section III of the Project Manual.**

Greenbridge Demolition Services

Contract Number KP2213108
KCHA

Bidding Contractor's Company Name:

NOTIFICATION: If bid is accepted, the undersigned will, within seven (7) days after award of contract, execute and return the signed Contract and all other forms and certifications as listed in the Supplemental Instructions to Bidders, and as required.

The undersigned acknowledges to:

- Have carefully reviewed and understand the scope of work and requirements under the Contract Documents, current regulations, and the complete scope of work as required in the bid documents.
- Have been provided the opportunity to physically assess the project site.

The undersigned also:

- Understands and affirms the bid entered herein shall be complete and just compensation for the work described and required under the terms of the Contract Documents; and,
- Hereby agrees to complete the work required under the terms of the Contract Documents by the Completion Dates stated herein.

NAME OF FIRM: _____

AUTHORIZED SIGNATURE: _____ DATE: _____

PRINT NAME: _____ TITLE: _____

ADDRESS: _____ PHONE: _____

CITY/STATE/ZIP: _____

E-MAIL ADDRESS TO WHICH NOTIFICATIONS MAY BE SENT: _____

STATE OF WASHINGTON CONTRACTORS LICENSE NO. _____

CONTRACTORS L&I CERTIFICATE NO.: _____

STATE OF WASHINGTON UBI NO. _____

FEDERAL TAX I.D. NO. _____ DUNS # _____

If a Corporation, name State of Incorporation. If a Partnership, provide full names and addresses of all parties below:

SECTION V

FORMS TO SUBMIT BY BIDDER UPON SELECTION

Greenbridge Demolition Services

Contract Number KP2213108

KCHA

Bidding Contractor's Company Name:

PROPOSED SUBCONTRACTORS LIST

NAME OF BIDDER (COMPANY)

APPROXIMATE % OF WORK YOUR COMPANY WILL ACTUALLY PERFORM

DO YOU INTEND TO USE SUBCONTRACTOR(S) IN THIS PROJECT?

YES () NO () (If yes, you must show on this form, the name of all subcontractors of any tier performing work in excess of \$50,000,

SUBCONTRACTOR'S NAME, ADDRESS & PHONE #	TRADE	YEARS OF EXPERIENCE IN BUSINESS
1. <u>Contact Person:</u> _____ _____	_____	_____
2. <u>Contact Person:</u> _____ _____	_____	_____
3. <u>Contact Person:</u> _____ _____	_____	_____
4. <u>Contact Person:</u> _____ _____	_____	_____
5. <u>Contact Person:</u> _____ _____	_____	_____

The bidder hereby certifies that the information contained in this Proposed Subcontractor's List, including any attached sheets, is accurate, complete, and current:

By: _____

Title: _____

Print Name: _____

Date: _____

Bidding Contractor's Company Name:

BIDDER'S EXPERIENCE RECORD

KCHA will award contracts only to responsible prospective contractors who have the ability to perform successfully under the terms and conditions of the proposed contract. In determining the responsibility of a bidder, KCHA will consider the following matters:

Attach additional sheets as necessary to fully provide the information required.

Name of Bidder: _____

Address of Bidder: _____

_____ *City* _____ *State* _____ *Zip Code*

Contractor's License No. _____

Contractor's State Tax No. _____

Bond Registration No. _____

Dept. of Labor & Industries

Worker's Comp. Acct. No. _____

Bidder is a(n): Individual Partnership Joint Venture Incorporated in the state of _____

List business names used by Bidder during the past 5 years if different than above:

Bidder has been in business continuously from _____ to _____ _____ years

No. of regular full-time employees: _____

Number of projects in the past 5 years completed: _____

_____ Ahead of schedule

_____ On schedule

_____ Behind schedule

Bidder has had experience in work comparable to that required for this Project:

As a prime contractor for _____ years

_____ years

As a subcontractor for _____ years.

_____ years.

List the supervisory personnel to be employed by the Bidder and available for, and intended to work on this project (Project Manager, Principal Foreperson, Superintendents, and Engineers):

<u>Name</u>	<u>Title</u>	<u>How Long With Bidder</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Greenbridge Demolition Services

Contract Number: KP2213108

KCHA

Bidding Contractor's Company Name:

List all those publicly-funded projects, of similar nature and size, completed by Bidder within the past 5 years. **Include a reference for each.** If necessary, attach a separate sheet(s), using these columns, in this order:

Project Name	Year Complete	Total Contract Amount	If Sub, you're Contract Amount	Owner/Reference Name and Phone

If any of the projects listed above were not complete within their originally scheduled period, explain why:

List all projects undertaken in the last 5 years which have resulted in partial or final settlement of the Contract by arbitration, or litigation in the courts:

<u>Name of Client and Project</u>	<u>Contract Amount</u>	<u>Total Claims Arbitrated or Litigated</u>	<u>Amount of Settlement of Claims</u>

Has Bidder, or any representative or partner thereof, ever failed to complete a contract?

No Yes If yes, give details:

Has Bidder ever had any Payment/Performance Bonds called as a result of its work?

No Yes If yes, please state(s):

<u>Project Name</u>	<u>Contracting Party</u>	<u>Bond Amount</u>

Greenbridge Demolition Services

Contract Number: KP2213108

KCHA

Bidding Contractor's Company Name:

Bidders list the following insurance information:

<u>Name of Insurance Company</u>	<u>Address</u>	<u>Phone No.</u>	<u>Contact</u>	<u>Insurance Capacity</u>
				\$

Bidders list the following bonding information:

<u>Name of Bonding Company</u>	<u>Address</u>	<u>Phone No.</u>	<u>Contact</u>	<u>Bonding Capacity</u>
				\$

Cost of performance and payment bond for this project \$

Has Bidder ever been found guilty of violating any State or Federal employment laws?

No Yes If yes, give details:

Has Bidder ever filed for protection under any provision of the federal bankruptcy laws or state insolvency laws? No Yes If yes, give details:

Has any adverse legal judgment related to construction been rendered against Bidder in the past 5 years? No Yes If yes, give details:

Has Bidder or any of its employees filed any claims with Washington State Worker's Compensation or other insurance company for accidents resulting in fatal injury or dismemberment in the past 5 years? No Yes If yes, please state:

<u>Date</u>	<u>Type of Injury</u>	<u>Agency Receiving Claim</u>
_____	_____	_____
_____	_____	_____

Bidders Experience Modification Rate (EMR):
2022 to date _ 2021 _ 2020 _ 2019 _

(If Bidder is self-insured, attach proof of EMR stated, showing complete worksheet calculations)

Briefly describe your substance abuse program:

Greenbridge Demolition Services

Contract Number: KP2213108

KCHA

Bidding Contractor's Company Name:

Describe all violation citations issued against bidder in the last 5 years under OSHA, WSHA or other applicable workplace safety programs:

<u>Subject of Violation</u>	<u>Date of Insp/Incident</u>	<u>OSHA Activity #</u>	<u>Closed or Pending</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ADDITIONAL INFORMATION

Before a bid is considered for award, the bidder may be requested by KCHA to submit a statement or other documentation regarding any of the Basic Qualifications listed above. Failure by the bidder to provide such additional information shall render the bidder non-responsive and non-responsible, and ineligible for award.

The undersigned warrants **under penalty of perjury** that the foregoing information is complete, true, and accurate to the best of their knowledge. The undersigned authorizes the King County Housing Authority to verify all information contained herein. (If this information is not complete and accurate, the bid may be considered non-responsive.)

Signature of Bidder

Title: _____

Date: _____

Greenbridge Demolition Services

Contract Number: KP2213108

KCHA

Bidding Contractor's Company Name:

CONTRACTOR CERTIFICATION

PROJECT NAME:

NAME OF COMPANY:

STREET ADDRESS:

CITY, STATE, ZIP:

TELEPHONE: ()

FAX: ()

FEDERAL TAX I.D. No.: _____ WA STATE U.B.I. No.: _____

OWNERS OF COMPANY (Must list **all** owners, list additional owners on a separate sheet if necessary):

Name of Owner Name of Owner _____

Under penalties of perjury, I/We hereby certify that: **(circle appropriate responses)**

1. I/We have reviewed a complete copy of the Bid Documents (Project Manual, Scope of Work and Addenda, if any) (if applicable) for this project.
2. I/We have no contractual or other disabilities that would prevent us from meeting the various requirements contained in the Bid Documents to the greatest extent feasible and with good faith efforts to attempt to meet the attached goals.
3. I/We certify that we do not and will not maintain, nor permit our employees to work in a location where segregated facilities are maintained, except for separate or single-user toilet and changing facilities, if necessary, to assure privacy between the sexes.
4. I/We certify that we have/have not participated in an Equal Employment Opportunity Plan in the past that required filing reports with the Government; and that if we have, we have/have not filed all reports due. If we have not, we will file same within the next _____ days.
5. I/We certify that the number shown on this form is my/our correct taxpayer identification number (or I/we am/are waiting for a number to be issued to me/us), and
6. I/We further certify that I/we are not subject to backup withholding because; **(a)** I/we are exempt from backup withholding, or **(b)** I/we have not been notified by the Internal Revenue Service that I/we are subject to backup withholding as a result of a failure to report all interest or dividends, or **(c)** the IRS has notified me/us that I/we are no longer subject to backup withholding.

(NOTE: You must cross out item # 6, if you have been notified by the IRS that you are currently subject to backup withholding because of underreporting interest or dividends on your tax return.)

7. _____ who is the _____
Name Title

of our firm has been designated as the responsible official to assure required reports are submitted, and recordkeeping complies with all the applicable regulations.

Signature

Title

Date

Greenbridge Demolition Services

Contract Number: KP2213108

KCHA

Section V
SELECTED BIDDER FORMS

Page 7 of 10

Bidding Contractor's Company Name:

**FOR CONTRACTS & EQUIPMENT
\$50,000 AND ABOVE**

NON-COLLUSIVE AFFIDAVIT

STATE OF WASHINGTON)
) ss
COUNTY OF KING)

- , being first duly sworn, deposes and says:

That he/she is (a partner or officer of the firm of, etc.)

the party making the foregoing proposal or bid, that such proposal or bid is genuine and not collusive or sham; that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or of any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against KING COUNTY HOUSING AUTHORITY or any person interested in the proposed contract; and that all statements in said proposal or bid are true.

Signature of:

Bidder, if the bidder is an individual;

Partner, if the bidder is a partnership;

Officer, if the bidder is a corporation.

SUBSCRIBED AND SWORN to before me

This__ day of _____, 20__

My commission expires _____, 20__

Bidding Contractor's Company Name:

EQUAL OPPORTUNITY CLAUSE

During the performance of this Contract, the Contractor agrees as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin, citizenship status, creed, age, marital status, physical or mental disability, sexual orientation, political ideology, or status as a Vietnam era or specially disabled veteran. The Contractor will take affirmative action to ensure that applicants are employed and the employees are treated during employment without regard to the aforementioned conditions. Such action shall include, but not be limited to, the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Contracting Officer setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to the aforementioned conditions of paragraph 1. above.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising the labor union or workers' representative of the Contractor's commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations and relevant orders of the Secretary of Labor.
5. The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations and relevant orders of the Secretary of Labor, or pursuant thereto, and will permit access to his/her books, records and accounts by the Owner and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.
6. In the event of the Contractor's non-compliance with the non-discrimination clauses of the Contract or with any of such rules, regulations or orders, this Contract may be canceled, terminated or suspended in whole or in part and the Contractor may be declared ineligible for further Government Contracts, in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rules, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
7. The Contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulation, or order of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the Owner may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the Owner, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

By: _____

Title: _____

Print Name: _____

Date: _____

Greenbridge Demolition Services

Contract Number: KP2213108

KCHA

Section V

SELECTED BIDDER FORMS

Page 9 of 10

Bidding Contractor's Company Name:

CERTIFICATION OF NONSEGREGATED FACILITIES

The undersigned certifies that s/he does not maintain or provide for her/his employees any segregated facilities at any of her/his establishments, and the s/he does not permit her/his employees to perform their services at any locations under her/his control where segregated facilities are maintained. The undersigned certifies further that s/he will not maintain or provide for her/his employees any segregated facilities at any of her/his establishments and that s/he will not permit her/his employees to perform their services at any location under her/his control where segregated facilities are maintained. The undersigned agrees that a breach of this certification will be a violation of the Equal Opportunity Clause set forth in this contract.

As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise.

The undersigned agrees that, except where s/he has obtained identical certifications from subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause, that s/he will obtain identical certifications from subcontractors and that s/he will retain such certifications in her/his files.

Date: _____

Signature: _____

Name/Title: _____

Contractor Name: _____

Address: _____

City/State/Zip: _____

Bidding Contractor's Company Name:

**CERTIFICATION REGARDING
DEBARMENT AND SUSPENSION COMPLIANCE**

The Bidder, _____, (insert name of company) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (federal, state or local) terminated for cause or default.

Signature of Authorized Official

Title of Authorized Official

Subscribed and sworn to before me this ____ day of _____, 20__

Notary Public

In and for the State of _____

Residing in _____

My commission expires: _____, 20__

SECTION VI

GENERAL CONDITIONS

PART 1 - GENERAL PROVISIONS

1.01 DEFINITIONS

- A. "Authority Having Jurisdiction (AHJ)": A federal, state, local, or other regional department, or an individual such as a fire official, labor department, health department, building official, or other individual having statutory authority.
- B. "Contract Documents" means the Instructions to Bidders, Specifications, Plans, General Conditions, Prevailing Wage Rates, Bid Form, Contract Form, other Special Forms, Drawings and Specifications, and all Addenda and modifications thereof.
- C. "Contract Sum" is the total amount payable by Owner to Contractor for performance of the Work in accordance with the Contract Documents.
- D. "Contract Time" is the number of consecutive Days allotted in the Contract Documents for achieving completion of the Work.
- E. "Contracting Officer" means the person delegated the authority by King County Housing Authority to enter into, and/or terminate this Contract. The term includes any successor Contracting Officer and any duly authorized representative of the Contracting Officer.
- F. "Contractor" means the person or other entity entering into the Contract with King County Housing Authority to perform all of the services or work required under the Contract.
- G. "Day" means calendar day, unless otherwise specified.
- H. "Final Acceptance" means the acceptance by Owner that the Contractor has completed the requirements of the Contract Documents.
- I. "Force Majeure" means those acts entitling Contractor to request an equitable adjustment in the Contract Time, including, but not limited to, unusually severe weather conditions which could not have been reasonably anticipated.
- J. "Furnish": Supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.
- K. "Install": Operations at Project site including unloading, temporarily storing, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.
- L. "Liquidated Damages" means the amount prescribed in the Contract Documents to be deducted from any payments due or to become due Contractor, for each day's delay in completion of the Work beyond the time allowed in the Contract Documents as stated in the Notice to Proceed, plus any extensions of such time.
- M. "Manager" means the person who is an authorized agent of the King County Housing Authority to administer the Contract.
- N. "Notice to Proceed" means a notice from Owner to Contractor that defines the date on which the Contract Time begins to run.
- O. "Owner" means the King County Housing Authority or its authorized representative with the authority to enter into, administer, and/or terminate the Work in accordance with the Contract Documents and make related determinations and findings.

- P. "Property Manager" means the property management company, its officers and employees.
- Q. "Provide": Furnish and install, complete and ready for the intended use.
- R. "Subcontract" means any contract, purchase order, or other purchase agreement, including modifications and change orders to the foregoing, entered into by a Subcontractor to furnish supplies, materials, equipment, and services for the performance of the prime Contract or a subcontract.
- S. "Subcontractor" means any supplier, vendor, or firm that furnishes supplies, materials, equipment, or services to or for the Contractor or another Subcontractor.
- T. "Work" means the construction and services required by the Contract Documents, and includes, but is not limited to, labor, materials, supplies, equipment, services, permits, and the manufacture and fabrication of components, performed, furnished, or provided in accordance with the Contract Documents.

1.02 EXECUTION AND INTENT

- A. The intent of the Specifications and Drawings is to describe a complete Project to be constructed in accordance with the Contract Documents. Contractor shall furnish all labor, materials, equipment, tools, transportation, permits, and supplies, and perform the Work required in accordance with the Contract Documents.
- B. All work is to be executed in accordance with the Building Codes, as adopted by the Authority Having Jurisdiction, and other applicable codes and generally accepted industry standards. All products and materials are to be new and handled and applied in accordance with the manufacturer's recommendations.
- C. Contractor makes the following representations to Owner:
 - 1. The Contract Sum is reasonable compensation for the Work and the Contract Time is adequate for the performance of the Work, as represented by the Contract Documents;
 - 2. Contractor has carefully reviewed the Contract Documents, had an opportunity to visit and examine the Project site, has become familiar with the local conditions in which the Work is to be performed, and has satisfied itself as to the nature, location, character, quality and quantity of the Work, the labor, materials, equipment, goods, supplies, work, permits, services and other items to be furnished and all other requirements of the Contract Documents, as well as the surface and subsurface conditions and other matters that may be encountered at the Project site or affect performance of the Work or the cost or difficulty thereof.
- D. The Contract Documents are complementary. What is required by one part of the Contract Documents shall be binding as if required by all. Anything mentioned in the Specifications and not shown on the Drawings, or shown on the Drawings and not mentioned in the Specifications, shall be of like effect as if shown or mentioned in both.

PART 2 - INSURANCE AND BONDS

2.01 INSURANCE REQUIREMENTS FOR BUILDING TRADES CONTRACTORS

- A. Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or Subcontractors.

2.02 MINIMUM SCOPE OF INSURANCE

- A. Contractors shall maintain coverages no less than:
1. Insurance Services Office Commercial General Liability coverage including Products/Completed Operations.
 2. Insurance Services Office covering Automobile Liability, code 1 (any auto).
 3. Workers' Compensation insurance as required by State law and Employer's Liability Insurance.

2.03 MINIMUM LIMITS OF INSURANCE

- A. Contractor shall maintain limits no less than:
1. General Liability: \$1,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit of \$2,000,000.
 2. Automobile Liability: \$1,000,000 per accident for bodily injury and property damage.

Employer's Liability: \$1,000,000 per accident for bodily injury/sickness or disease.

2.04 DEDUCTIBLES AND SELF INSURED RETENTION

- A. Any deductibles or self-insured retentions must be declared to and approved by the Owner. At the option of the Owner, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Owner, its officers, officials, employees and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the Owner guaranteeing payment of losses and related investigations, claim administration and defense expenses. **NOTE: If this contract deals with hazardous materials or activities (i.e. lead based paint, asbestos, armed security guards) additional provisions covering those exposures must be included in order to protect the Owner's interests.**

2.05 OTHER INSURANCE PROVISIONS

- A. The policies are to contain, or be endorsed to contain, the following provisions:
1. The Owner, the Property Manager, its officers, officials, employees, partners, agents and volunteers are to be covered as additional insureds under a "completed operations" type of additional insured endorsement with respect to general liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts or equipment furnished in connection with such work or operations. The endorsement(s) effectuating the foregoing additional insured coverage shall be ISO form CG 20 10 11 85, or CG 20 10 10 01 issued concurrently with CG 20 37 10 01, or their equivalent as long as it provides additional insured coverage, without limitation, for completed operations; (ii) automobile liability arising out of vehicles owned, leased, hired, or borrowed by or on behalf of the Contractor; (iii) any insurance written on a claims made basis, shall have a retroactive date that coincides with, or precede, the commencement of any work under this contract. Evidence of such coverage shall be maintained for a minimum of six (_6_) years beyond the expiration of the project.
 2. King County will not accept Certificates of Insurance Alone. Improperly Completed Endorsements will be returned to your insured for correction by an authorized representative of the insurance company.
 3. For any claims related to this project, the Contractor's insurance coverage shall be primary insurance as respects the Owner, its officers, officials, agents, partners, employees, and

volunteers. Any insurance or self-insurance maintained or expired by the Owner, its officers, officials, agents, partners, employees, volunteers, or shall be excess of the Contractor's insurance and shall not contribute with it. King County Housing Authority's Insurance is Non-Contributory in Claims Settlement Funding.

4. The "General description of agreement(s) and/or activity(s) insured" shall include reference to the activity and/or to either specific King County Housing Authority's; project of site name, contract number, lease number, permit number or construction approval number.
5. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled or materially changed, except after thirty (30) days' [ten (10) days for non-payment of premium] prior written notice by certified mail, return receipt requested, has been given to the Owner.
6. Maintenance of the proper insurance for the duration of the contract is a material element of the contract. Material changes in the required coverage or cancellation of the coverage shall constitute a material breach of the contract.

2.06 ACCEPTABILITY OF INSURERS

- A. Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A-:VII. The name of the Insurance Company underwriting the coverage and its address shall be noted on the endorsement form. Contractors must provide written verification of their insurer's rating.

2.07 VERIFICATION OF COVERAGE

- A. Contractor shall furnish the Owner with original certificates and amendatory endorsements effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Owner before work commences in sufficient time to permit contractor to remedy any deficiencies. The Owner reserves the right to require complete, certified copies of all required insurance policies or pertinent parts thereof, including endorsements affecting the coverage required by these specifications at any time.

2.08 SUBCONTRACTORS

- A. Subcontractors shall include the Contractor as additional insured under their policies. All coverage's for subcontractors shall be subject to all of the requirements stated herein. Contractor shall be responsible for the adequacy of required coverages for subcontractors, and compile related certificates of insurance and endorsements evidencing subcontractors' compliance.

2.09 PAYMENT AND PERFORMANCE BONDS

- A. Payment and performance bonds for 100% of the Contract Award Amount shall be furnished for the Work, using the Payment Bond and Performance Bond form AIA – form A312. Change order increases of cumulative 15% increments require revisions to the bond to match the new Contract Sum. At the option of the contractor KCHA may in lieu of a payment and performance bond retain 10% retainage.
- B. On contracts of one hundred fifty thousand dollars or less, at the option of the contractor as defined in RCW 39.10.210, the Owner may, in lieu of the bond, retain ten percent of the contract amount for a period of forty-five days after date of final acceptance, or until receipt of all necessary releases from the department of revenue, the employment security department, and the department of labor and industries and settlement of any liens filed under chapter 60.28 RCW, whichever is later.

PART 3 - PERFORMANCE

3.01 CONTRACTOR CONTROL AND SUPERVISION

- A. Contractor shall be solely responsible for, and have control over construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work, and shall be responsible to Owner for acts and omissions of Contractor, Subcontractors, and their employees and agents.
- B. Contractor shall enforce strict discipline and good order among Contractor's employees and other persons performing the Work. Contractor shall not permit employment of persons not skilled in tasks assigned to them. Owner may, by Notice, request Contractor to remove from the Work or Project site any employee Owner reasonably deems incompetent, careless, or otherwise objectionable.
- C. The Contractor shall perform on the site, and with its own organization, work equivalent to at least 12% of the total amount of work to be performed under the contract.
- D. Work Hours: The Contractor's allowable hours of operation shall be limited to those hours between 8:00 A.M. and 6:00 P.M. Monday to Friday excluding public holidays.

3.02 PERMITS, FEES, AND NOTICES

- A. Unless otherwise provided in the Contract Documents, Contractor shall pay for and obtain all permits, licenses, and coordinate inspections necessary for proper execution and completion of the Work. Prior to final payment, the approved, signed permits shall be delivered to Owner.

3.03 PREVAILING WAGES

- A. Statutes of the State of Washington RCW 39.12 as amended shall apply to this contract. Requirements, in brief, are stated below:
 - 1. There shall be paid each laborer or mechanic of the Contractor or sub-Contractor engaged in work on the project under this contract in the trade or occupation listed in the schedule of Wage Rates, as determined by the Department of Labor and Industries, not less than the hourly wage rate listed therein, regardless of any contractual relationship which may be alleged to exist between the Contractor and any sub-contractor and such laborers and mechanics.
 - 2. The "prevailing rate or wage" contained in the wage determination include health and welfare fund contributions and other fringe benefits collectively bargained for by the various management and labor organizations. Prevailing wages shall be paid based on the most recent semi-annual list as required by the Department of Labor and Industries (L&I).
 - 3. In case any dispute arises as to what are the prevailing rates for wages of work of a similar nature, and such disputes cannot be resolved by the parties involved, including labor and management representatives, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries of the State of Washington, and the Director's decision shall be final and conclusive and binding on all parties involved in the dispute.
- B. Before commencing the Work, Contractor shall file a statement of "Intent to Pay Prevailing Wages."
- C. After completion of the Work, Contractor shall file an "Affidavit of Wages Paid."

3.04 EQUAL EMPLOYMENT OPPORTUNITY

- A. During performance of the Work:

1. Contractor shall not discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, age, marital status, the presence of any physical, sensory, or mental disability, sexual orientation, Vietnam-era veteran status, disabled veteran status or political affiliation, nor commit any unfair practices as defined in RCW 49.60.
2. The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, of any physical, sensory, or mental disability, sexual orientation, Vietnam-era veteran status, disabled veteran status, or political affiliation.
3. The Contractor shall give all notices and comply with all applicable laws, ordinances, rules, regulations and orders in regard to Equal Employment Opportunity including but not limited to Executive Order 11246, as amended, Section 503 of the Rehabilitation Act of 1973, as amended, and the rules, regulations, and orders of the Secretary of Labor. The Contractor shall include the terms of this Clause in every subcontract so that such term shall be binding on each Subcontractor.
4. Non-Discrimination R.C.W. 49.60: These special requirements establish minimum requirements for affirmative action and are intended to define and implement the basic discrimination provisions of these specifications. Failure to comply with these requirements may constitute grounds for application of contract default.

3.05 SAFETY PRECAUTIONS

- A. In performing this contract, the Contractor shall provide for protecting the lives and health of employees and other persons; preventing damage to property, materials, supplies, and equipment; and avoid work interruptions. For these purposes, the Contractor shall:
 1. Follow Washington Industrial Safety and Health Act (WISHA) regional directives and provide a site-specific safety program that will require an accident prevention and hazard analysis plan for the contractor and each subcontractor on the work site. The Contractor shall submit a site-specific safety plan to the Owner's representative prior to the initial scheduled construction meeting.
 2. Provide adequate safety devices and measures including, but not limited to, the appropriate safety literature, notice, training, permits, placement and use of barricades, signs, signal lights, ladders, scaffolding, staging, runways, hoist, construction elevators, shoring, temporary lighting, grounded outlets, wiring, hazardous materials, vehicles, construction processes, and equipment required by Chapter 19.27 RCW, State Building Code (Uniform Building, Electrical, Mechanical, Fire, and Plumbing Codes); Chapter 212-12 WAC, Fire Marshal Standards, Chapter 49.17 RCW, WISHA; Chapter 296-155 WAC, Safety Standards for Construction Work; Chapter 296-65 WAC; WISHA Asbestos Standard; WAC 296-62-071, Respirator Standard; WAC 296-62, General Occupation Health Standards, WAC 296-24, General Safety and Health Standards, WAC 296-24, General Safety and Health Standards, Chapter 49.70 RCW, and Right to Know Act.
 3. Comply with the State Environmental Policy Act (SEPA), Clean Air Act, Shoreline Management Act, and other applicable federal, state, and local statutes and regulations dealing with the prevention of environmental pollution and the preservation of public natural resources.
 4. Post all permits, notices, and/or approvals in a conspicuous location at the construction site.
 5. Provide any additional measures that the Owner determines to be reasonable and necessary for ensuring a safe environment in areas open to the public. Nothing in this part shall be construed as imposing a duty upon the Owner to prescribe safety conditions relating to employees, public, or agents of the Contractors.
- B. Contractor to maintain safety records: Contractor shall maintain an accurate record of exposure data on all incidents relating to the Work resulting in death, traumatic injury, occupational disease,

or damage to property, materials, supplies, or equipment. Contractor shall immediately report any such incident to Owner. Owner shall, at all times, have a right of access to all records of exposure.

- C. Contractor to provide HazMat training: Contractor shall provide all persons working on the Project site with information and training on hazardous chemicals in their work at the time of their initial assignment, and whenever a new hazard is introduced into their work area.
 - 1. Information. At a minimum, Contractor shall inform persons working on the Project site of:
 - a. WAC: The requirements of chapter 296-62 WAC, General Occupational Health Standards;
 - b. Presence of hazardous chemicals: Any operations in their work area where hazardous chemicals are present; and
 - c. Hazard communications program: The location and availability of written hazard communication programs, including the required list(s) of hazardous chemicals and material safety data sheets required by chapter 296-62 WAC.
 - 2. Training. At a minimum, Contractor shall provide training for persons working on the Project site which includes:
 - a. Detecting hazardous chemicals: Methods and observations that may be used to detect the presence or release of a hazardous chemical in the work area (such as monitoring conducted by the employer, continuous monitoring devices, visual appearance or odor of hazardous chemicals when being released, etc.);
 - b. Hazards of chemicals: The physical and health hazards of the chemicals in the work area;
 - c. Protection from hazards: The measures such persons can take to protect themselves from these hazards, including specific procedures Contractor, or its Subcontractors, or others have implemented to protect those on the Project site from exposure to hazardous chemicals, such as appropriate work practices, emergency procedures, and personal protective equipment to be used; and
 - d. Hazard communications program: The details of the hazard communications program developed by Contractor, or its Subcontractors, including an explanation of the labeling system and the material safety data sheet, and how employees can obtain and use the appropriate hazard information.
- D. Hazardous, toxic or harmful substances: Contractor's responsibility for hazardous, toxic, or harmful substances shall include the following duties:
 - 1. Illegal use of dangerous substances: Contractor shall not keep, use, dispose, transport, generate, or sell on or about the Project site, any substances now or hereafter designated as, or which are subject to regulation as, hazardous, toxic, dangerous, or harmful by any federal, state or local law, regulation, statute or ordinance (hereinafter collectively referred to as "hazardous substances"), in violation of any such law, regulation, statute, or ordinance, but in no case shall any such hazardous substance be stored on the Project site.
 - 2. Contractor notifications of spills, failures, inspections, and fines: Contractor shall promptly notify Owner of all spills or releases of any hazardous substances which are otherwise required to be reported to any regulatory agency and pay the cost of cleanup. Contractor shall promptly notify Owner of all failures to comply with any federal, state, or local law, regulation, or ordinance; all inspections of the Project site by any regulatory entity concerning the same; all regulatory orders or fines; and all responses or interim cleanup actions taken by or proposed to be taken by any government entity or private party on the Project site.
- E. Public safety and traffic: All Work shall be performed with due regard for the safety of the public. Contractor shall perform the Work so as to cause a minimum of interruption of vehicular traffic or

inconvenience to pedestrians. All arrangements to care for such traffic shall be Contractor's responsibilities. All expenses involved in the maintenance of traffic by way of detours shall be borne by Contractor.

- F. Contractor to act in an emergency: In an emergency affecting the safety of life or the Work or of adjoining property, Contractor is permitted to act, at its discretion, to prevent such threat of loss or injury, and Contractor shall so act if so authorized or instructed.
- G. No duty of safety by Owner: Nothing provided in this section shall be construed as imposing any duty upon Owner with regard to, or as constituting any express or implied assumption of control or responsibility over, Project site safety, or over any other safety conditions relating to employees or agents of Contractor or any of its Subcontractors, or the public.

3.06 INDEPENDENT CONTRACTOR

- A. The Contractor and Owner agree the Contractor is an independent contractor with respect to the services provided pursuant to this Contract. Nothing in this Contract shall be considered to create a relationship of employer and employee between the parties hereto. Neither the Contractor nor any employee of the Contractor shall be entitled to any benefits accorded Owner employees by virtue of the services provided under this Contract. The Owner shall not be responsible for withholding or otherwise deducting federal income tax or social security or contributing to the State Industrial Insurance Program, or otherwise assuming the duties of an employer with respect to the Contractor, or any employees of the Contractor.

3.07 OPERATIONS, MATERIAL HANDLING, AND STORAGE AREAS

- A. Contractor shall confine all operations, including storage of materials, to Owner-approved areas.
- B. Contractor shall be responsible for the proper care and protection of its materials and equipment delivered to the Project site.
- C. Contractor shall protect and be responsible for any damage or loss to the Work, or to the materials or equipment until the date of Final Acceptance, and shall repair or replace without cost to Owner any damage or loss that may occur.

3.08 PRIOR NOTICE OF EXCAVATION

- A. Prior to any excavation Contractor shall engage a locate service for all underground facilities or utilities. Contractor shall pay all fees for locator services and pay for all damages caused by excavation.

3.09 UNFORESEEN PHYSICAL CONDITIONS

- A. Notice requirement for concealed or unknown conditions: If Contractor encounters conditions at the site which are subsurface or otherwise concealed physical conditions which differ materially from those indicated in the Contract Documents, or unknown physical conditions of an unusual nature which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, then Contractor shall give written notice to Owner promptly and in no event later than seven Days after the first observance of the conditions. Conditions shall not be disturbed prior to such notice.
- B. Adjustment in Contract Time and Contract Sum: If such conditions differ materially and cause a change in Contractor's cost of, or time required for, performance of any part of the Work, the Contractor may be entitled to an equitable adjustment in the Contract Time or Contract Sum, or both, provided it makes a request therefore as provided in Part 5.

3.10 PROTECTION OF EXISTING STRUCTURES, EQUIPMENT, VEGETATION, UTILITIES, AND IMPROVEMENTS

- A. Contractor shall protect from damage all existing conditions, including soils, structures, equipment, improvements, utilities, and vegetation at or near the Project site; and on adjacent property of a third party, the locations of which are made known to or should be known by Contractor. Contractor shall repair any damage, including that to the property of a third party, resulting from failure to comply with the requirements of the Contract Documents, any defects of equipment, material, workmanship or design furnished by the Contractor, or failure by Contractor or subcontractor at any tier to exercise reasonable care in performing the Work. If Contractor fails or refuses to repair the damage promptly, Owner may have the necessary work performed and charge the cost to Contractor.
- B. New work which connects to existing work shall correspond in all respects with that to which it connects and/or be similar to existing work unless otherwise required by the Specifications.

3.11 MATERIAL AND EQUIPMENT

- A. All equipment, material, and articles incorporated into the Work shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in the Contract Documents. References in the Specifications to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard quality and shall not be construed as limiting competition. Contractor may, at its option, use any equipment, material, article, or process that, in the judgment of Owner, is equal to that named in the Specifications, unless otherwise specifically provided in the Contract Documents.
- B. Substitutions shall be considered where qualities and attributes including, but not limited to, cost, performance, weight, size, durability, visual effect, and specific features and requirements indicated are deemed equal or better by the Owner at the Owner's sole discretion. All requests for substitutions shall be made in writing to Owner and shall not be deemed to be approved unless approved in writing by Owner.

3.12 CORRECTION OF NONCONFORMING WORK

- A. Contractor shall promptly correct Work found by Owner not to conform to the requirements of the Contract Documents, whether observed before or after Final Acceptance.
- B. If Contractor fails to correct nonconforming Work, Owner may replace, correct, or remove the nonconforming Work and charge the cost thereof to the Contractor.

3.13 CLEAN UP

- A. Contractor shall at all times keep the Project site, including hauling routes, infrastructures, utilities, and storage areas, free from accumulations of waste materials. Before completing the Work, Contractor shall remove from the premises its rubbish, tools, scaffolding, equipment, and materials. Upon completing the Work, Contractor shall leave the Project site in a clean, neat, and orderly condition satisfactory to Owner. If Contractor fails to clean up as provided herein, and after reasonable notice from Owner, Owner may do so and the cost thereof shall be charged to Contractor.

3.14 SUBCONTRACTORS AND SUPPLIERS

- A. Contractor shall utilize Subcontractors and suppliers which are experienced and qualified.

- B. By appropriate written agreement, Contractor shall require each Subcontractor to be bound to Contractor by terms of those Contract Documents, and to assume toward Contractor all the obligations and responsibilities which Contractor assumes toward Owner in accordance with the Contract Documents. Each Subcontract shall preserve and protect the rights of Owner in accordance with the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights. Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. However, nothing in this paragraph shall be construed to alter the contractual relations between Contractor and its Subcontractors with respect to insurance or bonds.
- C. Contractor shall schedule, supervise, and coordinate the operations of all Subcontractors. No Subcontracting of any of the Work shall relieve Contractor from its responsibility for the performance of the Work in accordance with the Contract Documents or any other obligations of the Contract Documents.
- D. It is the Contractor's responsibility to pay its Subcontractors and material suppliers on a timely basis. The Owner reserves the right to withhold a portion of the Contractor's payment if the Contractor fails to make timely payments to the Subcontractors and material suppliers.
- E. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Owner and any Subcontractor; or any persons other than Owner and Contractor.
- F. The Contractor shall not enter into any subcontract with any subcontractor who has been suspended or debarred from participating in contracting programs by any agency of the United States Government or by any state, territory, or municipality.

3.15 INDEMNIFICATION

- A. The Contractor hereby agrees to indemnify, defend, and hold harmless the Authority, its successors and assigns, director, officers, officials, employees, agents, partners and volunteers (all foregoing singly and collectively (Indemnities")) from a and against any and all claims, losses, harm costs, liabilities, damages and expenses, including, but not limited to, reasonable attorney's fees arising or resulting from the performance of the services, or the acts or omissions of the Contractor its successors, and assigns, employees, subcontractors or anyone acting on the contractor's behalf in connection with this Contract or its performance of this Contract.
- B. Provided, however, that the Contractor will not be required to indemnify, defend, or save harmless the indemnitee as provided in the preceding paragraphs of this section if the claim, suit, or action for injuries, death, or damages is caused by the sole negligence of the indemnitee. Where such claims, suites, or actions result from the concurrent negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the Contractor or the Contractor's agent or employee, the indemnity provisions provided in the proceeding paragraphs of this section shall be valid and enforceable only to the extent of the Contractor's negligence or the negligence of its agents and employees..
- C. The foregoing indemnity is specifically and expressly intended to constitute a waiver of the Contractor's immunity under Washington's Industrial Insurance act, RCW Title 51. The parties acknowledge that these provisions were specifically negotiated and agreed upon by them. If any portion of this indemnity clause is invalid or unenforceable, it shall be deemed excised and the remaining portions of the clause shall be given full force and effect.
- D. The Contractor hereby agrees to require all its Subcontractors or anyone acting under its direction or control or on its behalf in connection with or incidental to the performance of this Contract to execute an indemnity clause identical to the preceding clause, specifically naming the Owner as indemnity, and failure to do so shall constitute a material breach of this Contract by the Contractor.

3.16 PROHIBITION AGAINST LIENS

- A. The Contractor is prohibited from placing a lien on the Owner's property. This prohibition shall apply to all subcontractors of any tier and all materials suppliers, in accordance with RCW 35.82.190.

3.17 DAMAGES FOR FAILURE TO ACHIEVE TIMELY COMPLETION

- A. Liquidated Damages
 - 1. Timely performance and completion of the Work is essential to Owner and time limits stated in the Contract Documents are of the essence. The liquidated damage amounts set forth will be assessed not as a penalty, but as liquidated damages for breach of the Contract Documents. This amount is fixed and agreed upon by and between the Contractor and Owner because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would in such event sustain. This amount shall be construed as the actual amount of damages sustained by the Owner, and may be retained by the Owner and deducted from any payments to the Contractor.
 - 2. If different completion dates are specified in the contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed.

3.18 WAIVER AND SEVERABILITY

- A. The failure or delay of either party to insist on performance of any provision of the Contract, or to exercise any right or remedy available under the Contract, shall not be construed as a waiver of that provision, right, or remedy in any later instance. Waiver or breach of any provision of the Contract shall not be construed to be a waiver of any other or subsequent breach and shall not be construed to be a modification of the terms of the Contract, unless the Contract is modified pursuant to the Clause entitled "Contract Modifications" herein.
- B. If any provision of the Contract is or becomes void or unenforceable by operation of law, the remaining provisions shall be valid and enforceable.

PART 4 - PAYMENTS AND COMPLETION

4.01 CONTRACT SUM

- A. The Contract Sum shall include all taxes imposed by law and properly chargeable to the Project, including sales tax. The Contractor shall pay the WSST to the Department of Revenue and shall furnish proof of payment to the Owner if requested.
- B. The retail sales tax does not apply to the gross contract price.
- C. Prime and subcontractors are required to pay retail sales tax upon all purchases of materials, including prefabricated and precast items, equipment, leases or rentals of tools, consumables, and other tangible personal property which is installed, applied, attached, or otherwise incorporated in their work.

4.02 APPLICATION FOR PAYMENT

- A. At monthly intervals, unless determined otherwise by Owner, Contractor shall submit to Owner an Application for Payment for Work completed in accordance with the Contract Documents. Each application shall be supported by such substantiating data as Owner may require.

- B. Each invoice shall include the following statement: "I hereby certify that the items listed are proper charges for materials, merchandise or services provided to the King County Housing Authority, and that all goods and/or services have been provided; that prevailing wages have been paid in accordance with the approved statements of intent filed with the Department of Labor and Industries; and that sub-contractors and/or suppliers have been paid, less earned retainage, as their interest appears in the last payment received."
- C. Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule. Each Application for Payment shall be consistent with previous applications and payments.
- D. Owner shall retain 5% of the amount of each progress payment until 45 Days after Final Acceptance and receipt of all documents required by law or the Contract Documents including releases by Washington State Employment Security Department and Washington State Department of Revenue and Department of Labor & Industries.
- E. Waivers of Lien: With each Application for Payment, submit conditional waivers lien from every entity who is lawfully entitled to file a lien arising out of the Contract and related to the Work covered by the payment.
 - 1. Submit partial waivers on each item for amount requested, before deduction for retainage, on each item.
 - 2. When an application shows completion of an item, submit final or full waivers.
 - 3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
 - a. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
- F. Final Payment Application: Submit final Application for Payment with releases and close out supporting documentation.
- G. Approved payments shall be mailed to the Contractor within 30 days.

4.03 FINAL COMPLETION, ACCEPTANCE, AND PAYMENT

- A. The Owner shall make a final inspection of the Work on receipt of (1) written notice from the Contractor that the Work is ready for final inspection and (2) a final Application for Payment. When the Owner finds the Work acceptable and fully performed under the Contract Documents, and the Contractor has delivered to the Owner all warranties, permits, and operations manuals, the Owner will issue a Notice of Final Completion.
- B. Acceptance of final payment by Contractor, or any Subcontractor, shall constitute a waiver and release to Owner of all claims by Contractor, or any such Subcontractor, for an increase in the Contract Sum or the Contract Time, and for every act or omission of Owner relating to or arising out of the Work, except for those Claims made in accordance with the procedures, including the time limits, set forth in PART 7 - .

PART 5 - CHANGES

5.01 CHANGE IN THE WORK

- A. Owner may, at any time and without notice to Contractor's surety, order additions, deletions, revisions, or other changes in the Work. These changes in the Work shall be incorporated into the

Contract Documents through the execution of Change Orders. If any change in the Work ordered by Owner causes an increase or decrease in the Contract Sum or the Contract Time, an equitable adjustment shall be made as provided in 5.02 and 5.03.

- B. Pending agreement on the terms of the Change Order, Owner may direct Contractor to proceed immediately with the Change Order Work. Contractor shall not proceed with any change in the Work until it has obtained Owner's written approval.
- C. The Contractor agrees that any change in the Contract Amount or Contract Time provided in a Change Order is full and complete compensation to the Contractor for the change(s) to the work, deleted work, modified work, direct or indirect impact on the Contractor's schedule, and for any equitable adjustment or time extension to which the Contractor may be entitled to in the Change Order, pursuant to the Contract between the Owner and Contractor.

5.02 CHANGE IN THE CONTRACT SUM

- A. Change Order Pricing - Fixed Price: When the fixed price or time and materials method is used to determine the value of any Work covered by a Change Order, or of a request for an equitable adjustment in the Contract Sum, the following procedures shall apply:
 - 1. Contractor's Change Order proposal, or request for adjustment in the Contract Sum, shall be accompanied by a complete itemization of the costs, including labor, material, subcontractor costs, and overhead and profit. The costs shall be itemized in the manner set forth below, and shall be submitted on breakdown sheets with documentation in a form approved by Owner.
 - 2. Any request for adjustment of Contract Sum shall include only the following items:
 - a. Craft labor costs for Contractors and Subcontractors.
 - 1) Basic wages and benefits: Hourly rates and benefits according to applicable prevailing wages.
 - 2) Direct supervision shall not to exceed 15% of the cost of direct labor. No supervision markup shall be allowed for a working supervisor's hours.
 - 3) Worker's Insurance. Direct contributions to the State for industrial insurance, medical aid, and supplemental pension by the class and rates established by L&I.
 - 4) Federal Insurance. Direct contributions required by the Federal Insurance Compensation Act; Federal Unemployment Tax Act; and the State Unemployment Compensation Act.
 - 5) Safety and small tools: 4% of the sum of the amounts calculated in (1), (2), and (3) above.
 - b. Material Costs: Material costs and applicable sales tax shall be developed from actual known costs, supplier quotations or standard industry pricing guides and shall consider all available discounts. Freight costs, express charges, or special delivery charges shall be itemized.
 - c. Equipment Costs: Itemization of the type of equipment and the estimated or actual length of time the equipment appropriate for the Work is or will be used on the change in the Work. Costs will be allowed for equipment and applicable sales tax only if used solely for the changed Work, or for additional rental costs actually incurred by the Contractor. The Date Quest Rental Rate (Blue Book) shall be used as a basis for establishing rental rates of equipment not listed in the above sources. The maximum rate for standby equipment shall not exceed 50% of the applicable rate.
 - d. Allowance for Overhead: This allowance shall compensate Contractor for all non-craft labor, temporary construction facilities, field engineering, schedule updating, as-built drawings, home office cost, B&O taxes, office engineering, estimating costs,

additional overhead because of extended time and any other cost incidental to the change in the Work. This allowance shall be strictly limited in all cases an amount not to exceed the following:

- 1) For Contractor, for any Work actually performed by Contractor's own forces, 16% of the cost.
- 2) For each Subcontractor (including lower tier subcontractors), for any Work actually performed by its own forces, 16% of the cost.
- 3) For Contractor, for any Work performed by its Subcontractor(s), 6% of the amount due each Subcontractor.
- 4) For each Subcontractor, for any Work performed by its Subcontractor(s) of any lower tier, 5% of the amount due the sub-Subcontractor.

e. Allowance for Profit:

- 1) For Contractor or Subcontractor of any tier for work performed by their forces, 5% of the cost developed in accordance with subsections a, b & c above.
- 2) For Contractor or Subcontractor of any tier for work performed by a subcontractor of a lower tier, 5% of the Subcontractor cost.

f. Insurance or Premium: The costs of any change or additional premium of Contractor's liability insurance or bond premium arising directly from the changed Work. The costs of any change in insurance shall be added after overhead and profit are calculated.

B. Change Order Pricing - Unit Prices

1. Work on a unit-price basis as stated in the Specifications and at the price submitted in the Bid Form or as subsequently modified.
 - a. Unit prices shall include reimbursement for all direct and indirect costs of the Work, including overhead and profit, bond premium, and insurance costs; and
 - b. Quantities must be supported by field measurement verified by Owner.

5.03 CHANGE IN THE CONTRACT TIME

- A. The Contract Time shall only be changed by a Change Order. Contractor shall immediately notify Owner, and shall include any request for a change in the Contract Time in its Change Order proposal.
- B. If the time of Contractor's performance is changed due to an act of Force Majeure, Contractor shall request for an equitable adjustment in the Contract Time in writing within 24-hours of the occurrence.

PART 6 - CLAIMS AND DISPUTE RESOLUTION

6.01 CLAIMS PROCEDURE

- A. If the parties fail to reach agreement regarding any dispute arising from the Contract Documents, Contractor's only remedy shall be to file a Claim with Owner within 30 Days from Owner's final offer.
- B. The Claim shall be deemed to cover all changes in cost and time (including direct, indirect, impact, and consequential) to which Contractor may be entitled. It shall be fully substantiated and documented.

- C. After Contractor has submitted a fully-documented Claim, Owner shall respond, in writing, to Contractor with a decision within 30 Days from the date the Claim is received.
- D. Contractor shall proceed with performance of the Work pending final resolution of any Claim. Owner's written decision as set forth above shall be final and conclusive as to all matters set forth in the Claim.
- E. Any Claim of the Contractor against the Owner for damages, additional compensation, or additional time, shall be conclusively deemed to have been waived by the Contractor unless timely made in accordance with the requirements of this section.

6.02 ARBITRATION

- A. If Contractor disagrees with Owner's decision rendered in accordance with paragraph 6.01C, Contractor shall provide Owner with a written demand for arbitration. No demand for arbitration of any such Claim shall be made later than 30 Days after the date of Owner's decision on such Claim; failure to demand arbitration within said 30 Day period shall result in Owner's decision being final and binding upon Contractor and its Subcontractors.
 - 1. Notice of the demand for arbitration shall be filed with the American Arbitration Association (AAA), with a copy provided to Owner. The parties shall negotiate or mediate under the Voluntary Construction Mediation Rules of the AAA, or mutually acceptable service.
- B. All Claims arising out of the Work shall be resolved by arbitration. The judgment upon the arbitration award may be entered, or review of the award may occur, in the superior court having jurisdiction thereof. No independent legal action relating to or arising from the Work shall be maintained.

6.03 CLAIMS AUDITS

- A. All Claims filed against Owner shall be subject to audit at any time following the filing of the Claim. Failure of Contractor, or Subcontractors of any tier, to maintain and retain sufficient records to allow Owner to verify all or a portion of the Claim or to permit Owner access to the books and records of Contractor, or Subcontractors of any tier, shall constitute a waiver of the Claim and shall bar any recovery.
 - 1. In support of Owner audit of any Claim, Contractor shall promptly make available to Owner all records relating to the Work.

PART 7 - TERMINATION OF THE WORK

7.01 TERMINATION BY OWNER FOR CAUSE

- A. Owner may, upon a written Notice to Contractor and to its surety, terminate (without prejudice to any right or remedy of Owner) the Work, or any part of it, for cause upon the occurrence of any one or more of the following events:
 - 1. Contractor fails to prosecute the Work or any portion thereof with sufficient diligence to ensure Completion of the Work within the Contract Time;
 - 2. Contractor is adjudged bankrupt, makes a general assignment for the benefit of its creditors, or a receiver is appointed on account of its insolvency;
 - 3. Contractor fails in a material way to replace or correct Work not in conformance with the Contract Documents;
 - 4. Contractor repeatedly fails to supply skilled workers or proper materials or equipment;

5. Contractor repeatedly fails to make prompt payment due to Subcontractors, suppliers, or for labor;
 6. Contractor materially disregards or fails to comply with laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction; or
 7. Contractor is otherwise in material breach of any provision of the Contract Documents.
- B. Upon termination, Owner may at its option:
1. Take possession of the Project site and take possession of or use all materials, equipment, tools, and construction equipment and machinery thereon owned by Contractor to maintain the orderly progress of, and to finish, the Work;
 2. Finish the Work by whatever other reasonable method it deems expedient.
- C. Owner's rights and duties upon termination are subject to the prior rights and duties of the surety, if any, obligated under any bond provided in accordance with the Contract Documents.
- D. When Owner terminates the Work in accordance with this section, Contractor shall take the actions set forth in paragraph 7.02B, and shall not be entitled to receive further payment until the Work is accepted.
- E. If the unpaid balance of the Contract Sum exceeds the cost of finishing the Work, including compensation for A/E services and expenses made necessary thereby and any other extra costs or damages incurred by Owner in completing the Work, or as a result of Contractor's actions, such excess shall be paid to Contractor. If such costs exceed the unpaid balance, Contractor shall pay the difference to Owner. Contractor shall also be liable for liquidated damages until such reasonable time as may be required for Completion. These obligations for payment shall survive termination.
- F. Termination of the Work in accordance with this section shall not relieve Contractor or its surety of any responsibilities for Work performed.
- G. If Owner terminates Contractor for cause, and it is later determined that none of the circumstances set forth in 7.01A exist, then such termination shall be deemed a termination for convenience pursuant to 7.02.

7.02 TERMINATION BY OWNER FOR CONVENIENCE

- A. Owner may, upon Notice, terminate (without prejudice to any right or remedy of Owner) the Work, or any part of it, for the convenience of Owner.
- B. Unless Owner directs otherwise, after receipt of a Notice of termination for either cause or convenience, Contractor shall promptly:
1. Stop performing Work on the date and as specified in the notice of termination;
 2. Place no further orders or subcontracts for materials, equipment, services or facilities, except as may be necessary for completion of such portion of the Work as is not terminated;
 3. Cancel all orders and subcontracts, upon terms acceptable to Owner, to the extent that they relate to the performance of Work terminated;

PART 8 - MISCELLANEOUS PROVISIONS

8.01 RECORDS KEEPING AND REPORTING

- A. The Contractor and all Subcontractors shall maintain accounts and records in accordance with State Auditor's procedures, including personnel, property, financial and programmatic records which sufficiently and properly reflect all direct and indirect costs of any nature expended and services

performed in the performance of this Contract and other such records as may be deemed necessary by the Owner to ensure proper accounting for all funds contributed by the Owner to the performance of this Contract and compliance with this Contract.

- B. The Contractor, and its Subcontractors, shall maintain these records for a period of six (6) years after the date of Final Acceptance.

8.02 AUDITS AND INSPECTIONS

- A. The records and documents with respect to all matters covered by this Contract shall be subject at all times to inspection, review or audit by the Owner or any other government agency so authorized by law during the performance of this Contract. The Owner shall have the right to an annual audit of the Contractor's financial statement and condition.

8.03 ORGANIZATION CONFLICTS OF INTEREST

- A. The Contractor warrants that to the best of its knowledge and belief and except as otherwise disclosed, it does not have any organizational conflict of interest which is defined as a situation in which the nature of work under this Contract and the Contractor's organizational, financial, contractual or other interests are such that:

1. Award of the Contract may result in an unfair competitive advantage; or
2. The Contractor's objectivity in performing the Contract work may be impaired.

- B. The Contractor agrees that if after award they discover an organizational conflict of interest with respect to this Contract, they shall make an immediate and full disclosure in writing to the Contracting Officer, which shall include a description of the action, which the Contractor has taken or intends to take to eliminate or neutralize the conflict. The Owner may, however, terminate the Contract if it deems the action to be in the best interest of the Owner.

- C. In the event the Contractor was aware of an organizational conflict of interest before the award of this Contract and intentionally did not disclose the conflict to the Contracting Officer, the Owner may terminate the Contract for default.

- D. The provisions of this Clause shall be included in all subcontracts and consulting agreements wherein the work to be performed is similar to the services provided by the Contractor. The Contractor shall include in such subcontracts and consulting agreements any necessary provisions to eliminate or neutralize conflicts of interest.

8.04 INTERESTS OF MEMBERS OF CONGRESS

- A. No member of or delegate to the Congress of the United States of America shall be admitted to any share or part of this Contract or to any benefit to arise therefrom, but this provision shall not be construed to extend to this Contract if made with a corporation for its general benefit.

8.05 INTERESTS OF MEMBERS, OFFICERS, COMMISSIONERS AND EMPLOYEES, OR FORMER MEMBERS, OFFICERS AND EMPLOYEES

- A. No member, officer, or employee of the King County Housing Authority, no member of the governing body of the locality in which the project is situated, no member of the governing body in which the Owner was activated, and no other public official or such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this Contract or the proceeds thereof.

SECTION VII
SPECIFICATIONS

PROJECT SPECIFICATIONS

SECTION 01110

Scope of Work

The selected team will provide abatement and demolition services for the properties. Please reference Specifications and other contract documents located in the Project Manual in preparing your bid.

The Greenbridge Scattered Site Demolition Project will include the abatement and demolition of two sites. One (1) single family home located at 520 SW 102nd Street. The second site consists of five (5) structures. A single story structure split into north and south connected by a covered porch. Two single story classrooms. A single story portable without restroom or plumbing and a north and south shed. This property is located at 10041 6th Ave SW. Additional scope includes debris removal and site stability. Recycling of materials should be maximized.

Work Products: The general scope of work for the selected team includes the following:

Demolition Services - 520 SW 102nd Street , 10041 6th Ave SW

1. KCHA has paid for two demolition permits at King County DPER that are ready to be picked up with a valid contractors license.
2. KCHA has notified and obtained and required permits and for utility shut off, and decommissioning. Refer to Demolition Specification for utility removal details.
3. Provide insurance to meet KCHA minimums as outlined within the sample Contract.
4. Universal waste removal prior to demolition.
5. Abatement: Remove hazardous asbestos and lead based paint materials listed in the hazardous materials survey included in Attachment A.
6. Demolition: Demolish building structures, appurtenant structures, within the boundaries of the site. Protect structures and property adjacent to the site. Implement necessary and required environmental controls and conformance with regulatory and contract document requirements. Restore any damage to adjacent property to like condition including fill and grading of site as needed.

7. **Waste Management:** Separation and recycling of materials is encouraged as much as reasonable prior to and during demolition. Legally transport and dispose of waste materials at permitted recycling or disposal facilities off-site. Retain disposal certificates for Construction Manager.
8. **Site Stabilization and Controls:** Delivering and spreading erosion control seed mix covered by straw on work site following demolition and recycling of materials.

Contractor-provided services shall include:

1. Protect structures and property adjacent to the site. Implement necessary and required environmental controls and conformance with regulatory and contract document requirements. Restore any damage to adjacent property to like condition including fill and grading of site as needed.
2. **Waste Management:** Separate and recycle all materials possible during demolition. Legally transport and dispose of waste materials at permitted recycling or disposal facilities off-site. Retain disposal certificates for Owner.
3. **Site Stabilization and Controls:** Delivering and spreading erosion control seed mix covered by straw on work site following demolition and recycling of materials.

End of Section

PROJECT SPECIFICATIONS

SECTION 02080

REMOVAL OF ASBESTOS

PART 9 - GENERAL

9.01 SUMMARY

- A. The work involves two properties that are approximately 200 feet apart. Site maps are attached as attachment A. The abatement work to be completed is outlined in two Hazardous Materials Reports by PBS in attachment B. By bidding on this work and executing a contract for this work, Contractor attests that it had reviewed the two PBS reports, identified the type, quantity, and location of the ACM, and was afforded the opportunity to walk the site to its satisfaction.
- B. Contractor is advised that some or all of the utilities on site are disconnect and shall make plans, at no additional costs, accordingly.
- C. Contractor is advised that one of the sites abuts an Elementary School and that Contractor shall take all precautions to keep children away from the abatement work areas. If needed, work with Owner Rep to set up temporary fence barriers.
- D. Contractor shall defend and hold owner harmless for any and all claims related to this work to the fullest extent allowed by law. Time shall not diminish this requirement.
- E. It is the intent of the Owner that immediately after Asbestos Abatement and closure of those permits, the sites will be demolished.
- F. The Owner maintains the right to independently sample and/or test the asbestos work area at any time: this shall not relieve the Contractor from its responsibility of the work including its own sample and testing requirements of the AHJ.

9.02 RELATED SECTIONS

- A. Section – Demolition, Site Fencing, Grading, and Hydroseeding.

9.03 SUBMITTALS

- A. Submit an Abatement Work Plan, with Schedule, within 10 days of Contract Award. The Abatement Work Plan shall include, at a minimum, the following:
 - 1) The plan shall describe the methods and sequence by which the Contractor shall conduct the work under its Contract.
 - 2) Include a list of required permits, approvals, the regulatory agencies (Authorities Having Jurisdiction "AHJ") and their requirements, and how and when the contractor shall complete them (such as via Inspection, letter report, field reports, lab tests, etc.).

- 3) Identify the Supervisor and the workers that will be involved in the work. Identify any subcontractors that will be part of the work.
 - 4) Methods for controlling noise, fugitive dust, stormwater runoff, and sediment transport associated with runoff.
 - 5) Site security, site access, site stabilization, site traffic control (if needed) and protection of adjoining properties, including the public right-of-way.
 - 6) Information on any required and/or proposed negative pressure enclosures and decontamination units and how each component and assembly meets the requirements of the AHJ.
 - 7) Air testing requirements by the AHJ.
 - 8) Proposed wetting agents, removal encapsulants, and surfactants, including MSDS information.
 - 9) Proposed removals bags and/or other containers.
- B. Maintain copies of permits, notices and other submittals onsite as required by regulatory and permitting agencies and municipalities necessary for conducting work.
- C. Contractor shall submit information related to removed ACM disposal and hauling procedures as well as the disposal facility that will receive the ACM.

9.04 QUALIFICATIONS

- A. Contractor must provide personnel and supervision that are appropriately certified, licensed, and experienced in each component of work identified in the Contract Documents, including but not limited to hazardous materials workers, health and safety specialists and waste management specialists.
- B. Contractor shall submit documentation to Owner Rep that Contractor and its personnel are current on all required certifications and training related to the handling and disposal of Asbestos Containing Materials (ACM). In addition, Submit satisfactory evidence to AHJ (if required) and Owner Rep, that Contractor employees have been fit tested (irritant smoke test) with respirator that is personally issued

PART 10 - PRODUCTS : NOT USED

PART 11 - EXECUTION

11.01 PREPARATION PRIOR TO ABATEMENT

- A. Contractor shall contact Puget Sound Clean Air Agency (PSCAA) prior to ACM removal. File any AHJ required notifications, obtain any required permits, post any required notices, and follow all required procedures.
- B. Isolate the work areas using, minimum, preprinted cautionary asbestos warning signs in official languages that are visible at access routes to the abatement works areas.
 - 1) Provide warning signs at all approaches to the abatement work areas. These signs are to include the following information:
 - a) Caution Construction Area, Authorized Personnel Only. Respirators and Protective Clothing are Required in this Area, No Trespassing.
- C. If the submitted Abatement Work Plan is found to be inadequate, as determined by the AHJ or the Owner, modify the plan to meet the requirements of those AHJ and/or the Owner Rep.
- D. Isolate the abatement work areas from the non-work areas. Ensure not HVAC systems are disconnected and not active. Polyethylene sheeting barriers shall be a minimum of 6 mill thickness with edges taped or foamed.

11.02 GENERAL

- A. Eating, drinking, chewing, and smoking are not permitted in any asbestos work areas.
- B. Due to proximity to school children and neighbors, swearing and loud music shall not be allowed or tolerated on site.
- C. Facilities for washing hands and face shall be provided within or easily accessible to the work area.
- D. Before leaving asbestos abatement area for any length of time, workers shall decontaminate his or her protective clothing utilizing AHJ procedures and approved methods and equipment. Ensure workers wash hands and face when leaving the asbestos work areas.
- E. Ensure that no person required to enter an active abatement work area does not have facial hair that affects the seal between respirator and face.
- F. Clean respirators at intervals, and using specified methods, approved by the AHJ.
- G. If a work area barrier is breached or otherwise fails, Contractor shall stop work immediately and repair prior to restarting the work. Notify Owner Rep of each failure and repair.

11.03 OPERATION PROCEDURES

- A. Start and complete work in order or precedence as established by the approved project schedule. Operational procedures and the sequence of work are optional with the Contractor, provided they are consistent with the schedule and the contract documents.

- B. Comply with applicable Federal, State, and County regulations including WAC 296-62-17712(2) and WAC 296-62-07722(5), and WAC 296-62-0728. Refer also to WISHA Regional Directive 23.30.0
- C. Access: Permit access to the work areas only through a contained decontamination unit.
- D. Notify Owner Rep of unreported ACM discovered during Work and not apparent from reports pertaining to Work. Do not disturb such material pending instructions from Owner Rep.
- E. Remove visible dust from surfaces in the work area where dust is likely to be disturbed during course of work. Do not use compressed air to clean up or remove dust from any surface. Use HEPA vacuum or damp cloths where damp cleaning does not create a hazard and is otherwise appropriate.
- F. Organize site and workers in a manner that promotes efficient flow of materials through disassembly, processing, stockpiling, removal, transport, and disposal.
- G. Utilize negative pressure systems to prevent ACM for leaving work areas.
- H. If necessary to prevent extraneous material from contaminating air beyond the abatement work areas, provide temporary enclosures during the work.
- I. Wet ACM with AHJ approved wetting agent prior to cutting, grinding, scraping, breaking to control the spread of dust or fibers.
 - i. Use garden reservoir type low - velocity fine - mist sprayer.
 - ii. Perform Work to reduce dust creation to lowest levels practicable.
 - iii. Work area may be subject to visual inspection and air monitoring.
 - iv. Contamination of surrounding areas indicated by visual inspection or air monitoring will require complete enclosure and clean-up of affected areas.
- J. Use polyethylene drop sheets as required. Drop sheets are not to be reused. Do not pump, or otherwise allow, water containing ACM into watercourses, storm or sanitary sewers, or onto adjacent properties. If ACM enters any runoff body of water on site (e.g. puddles, ponds, etc.), stop work, contain the water, and immediately inform the Owner Rep. Immediately effect procedures as required by AJH.

11.04 DISPOSAL

- A. Handle, remove, bag, place, store, and transport ACM utilizing AHJ approved methods, procedures, and containers.
- B. Secure all removed hazardous materials as required by the AHJ.

Transport and legally dispose of hazardous materials. Provide documentation (to Owner Rep) of disposal site as well as manifest, landfill receipts with one week of final site clean.

11.05 CLEANUP

A. Daily:

- 1) Dispose of protective clothing is disposed of as directed by AHJ.
- 2) Inspect and repair any work area barriers.

B. Final Clean-Up

- 1) Perform final, thorough clean-up of ACM abatement work areas, and adjacent areas affected by the abatement, using HEPA vacuum appropriate for this type of work.
- 2) Remove all equipment, materials, debris, and ACM from site.
- 3) Working with Owner Rep, Contractor is to close out all permits, approvals, inspections, and notices, etc.

END OF SECTION

PROJECT SPECIFICATIONS

SECTION 02050

DEMOLITION, SITE FENCING, GRADING, and HYDROSEEDING

PART 12 - GENERAL

12.01 SUMMARY

- A. The work involves two properties approximately 200 feet apart. They are shown on the two demolition Site Plans. The work includes the demolition, removal and legal disposal of the designated buildings and appurtenant structures within the project area. After removal of demolition debris, grading and hydroseeding will be required to stabilize the sites until start of new construction.
- B. The property at 10041 6th Avenue SW, Seattle, WA abuts the White Center Heights Elementary School. The north and west property lines contain some lengths of chain link fence. The second property is a single family home located at 520 102nd Ave SW.
- C. The demolition work included in the scope of work is for guidance only, to indicate typical general existing features, and shall not to be construed as definitive or adequate to supplant actual on-site inspection by the Contractor for accurate bidding.
- D. The following activities shall be completed prior to building demolition:
 - 1. Confirm that Asbestos Abatement work has been completed. Relay findings to the Owner Rep.
 - 2. Removal and disposal of fluorescent lamps, and all other Universal Waste (as defined by the US Environmental Protection Agency) shall be completed in accordance with all the applicable federal, state and local regulations.
 - 3. Contractor shall disconnect, cut, terminate, and cap all utilities for these sites. If Contractor desires to have specific utilities active during the demolition, and to cut and cap after demolition, Contractor shall coordinate with the utility providers for any special requirements during this interim period. See Section 3 for additional information.
 - 4. Recycle and salvage materials as reasonably possible.
 - 5. Install a temporary six foot (6') tall chain link fence where necessary to secure the sites.
 - 6. Install silt fence at appropriate down-gradient portions of the sites.
 - 7. Create suitable construction entrance to ensure proper erosion control methods.
- E. Buildings, playground equipment, sheds, signage, and decorative fencing on the inside of the perimeter of the site shall be removed.
 - 1. Concrete building foundations less than 24 inches above adjacent grade shall be retained. Slabs on grade shall remain. Hardscape such as asphalt and concrete walkways shall remain. Trees and large shrubs shall remain. Please contact the owners rep with any questions on what is to be removed.

PART 13 - PRODUCTS

13.01 RELATED SECTIONS

- A. Section – Asbestos Abatement

13.02 SUBMITTALS

- A. Maintain copies of permits, notices and other submittals onsite as required by regulatory and permitting agencies and municipalities necessary for conducting work.
- B. KCHA has approved demolition permits from King County that will be issued once a Contractor has been identified.
- C. Contractor shall verify any required applications for disconnection of utility services have been obtained including Seattle City Light, Water District 20, Southwest Suburban Sewer District and Communications.
- D. Contractor is responsible for providing any required Waste Diversion Plan and Waste Diversion Report to the AHJ as well as the Owner Rep within two (2) weeks after completion of the Work. Include the following information:
 - 1) Time and date of removal
 - 2) Weight, quantity, or volume of material.
 - 3) Provide Owner Rep with information related to salvage quantities, demolition material receiving facilities, facility recycling rates, and estimate of salvaged material content. Submit copies of trip tickets from authorized disposal sites.
 - 4) Revenues or other savings obtained from recycled, reused, or salvaged materials shall accrue to the Contractor unless otherwise noted in the Contract Documents.

13.03 QUALIFICATIONS

- A. Contractor must provide personnel and supervision that are appropriately certified, licensed, and experienced in each component of work identified in the Contract Documents, including but not limited to hazardous materials workers, health and safety specialists and waste management specialists
- B. For other Contractor qualification requirements refer to General Conditions.

PART 14 - EXECUTION

14.01 SHUTDOWN OF EXISTING SERVICES

- A. Owner has notified and applied to utility providers regarding the upcoming disconnections and demolition. Contractor shall coordinate with utility providers for disconnection of all utilities. The Contractor shall be responsible for providing any temporary utility service required for the Work. Contractor shall coordinate with utility providers and confirm all utilities (except Contractor desired temporary utilities) are disconnected prior to demolition work. If any utility

- B. is utilized during the demolition work, Contractor shall cut, cap, disconnect, and coordinate shut-off with each utility provider as necessary prior to closing out this Work.
- C. Contractor shall be responsible for any utility locates on the project sites.
- D. Water, Sewer: To the fullest extent possible, Contractor is to cut, cap and/or terminate utilities at the perimeter of the property so as not to interfere with the demolition work and the future new construction work.
 - a. Disconnect and cap existing water and sewers a perimeter of site.
 - b. Water may already disconnected at 520 SW 102nd street. Not cutting or capping are required at this location. Contractor to confirm. Water at 10041 6th Ave SW shall disconnected at the meter in 6th Ave SW.
- E. Power, Telephone, and Cable TV/Internet: To the fullest extent possible, Contractor shall terminate wired utilities to the property line or nearest utility pole as appropriate.
 - 1. The Contractor shall independently verify that power has been shut off, read electric meters, record meter numbers and associated meter addresses, remove electric meters from structures, and return meters and associated meter information to Electric utility prior to structure demolition.
 - 2. Cut and cap underground wired utilities at the property line. Covered wired underground terminations with new landscape boxes.
- F. Gas: Owner does not believe there is gas service to either property. Contractor shall use Call-before-you-dig services to confirm.
- G. Install 2x4 wooden stakes, a minimum of 36 inches above ground adjacent to the termination point of any utility. Spray paint top 4 inches of the stake with pink or green paint. On the side of the stake, use black, indelible ink, to indicate the utility that was terminated and how deep the utility is below grade. Create a schematic site plan of these locations and provide to Owner Rep.
- H. Utilities Information. The following information is provided to assist Contractor in terminating utility services at the site.
 - 1. Southwest Suburban Sewer District ("SWSSD"). Cut and cap of side sewer(s). Sewer permits are have been obtained from SWSSD. Contact SWSSD Ritch Shule of SWSSD at (206) 432-3525 with any questions.
 - 2. SEATTLE CITY LIGHT ("SCL"). Owner has submitted application(s) to SCL for the removal of electrical service. Contractor shall contact SCL Service Representative David Mannery at (206) 386-4245 to coordinate de-energizing, service, and meter removal.
 - 3. KING COUNTY WATER DISTRICT 20 ("KCWD 20"). Water has been shut-off and water meter removed at the 520 SW 102nd Street site. Water service remains active at the 10041 6th Avenue SW site. Contractor shall coordinate with Water District 20 to disconnect the water service and have the meter removed from the 6th Avenue SW site. Contact Jan McGillivray at KCWD 20 at (206) 243-3990.

14.02 ASBESTOS ABATEMENT

Confirm that all Asbestos Containing Materials (“ACM”) have been removed and all timelines required by AHJ have been completed prior to mobilizing for Demolition work.

14.03 SITE PREPARATION PRIOR TO DEMOLITION

- A. Install temporary six foot (6') tall chain link fence around the perimeter of each site in any location that does not currently have six foot (6') tall fencing. Working around the required silt fencing, buttress the fence with fence perpendicular fence panels at no more than every third panel. The perpendicular leg shall be to the interior of the property. Furthermore, the foot of the perpendicular panel shall be staked to the ground to prevent fence overturn during wind events. Contractor shall arrange the temporary fencing monthly rental fee to be invoiced to, and paid by, the Owner.
- B. To help prevent school children from seeing the project as an attractive nuisance, the north and west sides of the perimeter fence at the 10041 6th Avenue SW property shall also be installed with screen fabric (dark green or black) using grommets attached with color matching zip-ties.
- C. Erosion control: Contractor shall install silt fence at appropriate down-gradient portions of the site to prevent offsite discharge of silt, sand, and/or mud. Install silt fence, following details in the King County Stormwater Design Manual, on the inside of the chain link fence. Contractor shall install any other erosion control devices and methods as required by Authorities Having Jurisdiction (“AHJ”).

14.04 DISPOSAL

- A. Transport and legally dispose of demolition materials. Provide documentation of disposal site with individual truck tickets. Utilize Construction and Demolition (C&D) recycling facilities with a recycle rate of 75% or higher.
- B. Secure all disposal loads as required by the AHJ.

14.05 OPERATION PROCEDURES

- A. Start and complete work as established by the approved project schedule. Operational procedures and the sequence of work are optional with the Contractor, provided they are consistent with the schedule and the contract documents.

14.06 SITE ACCESS

- A. Install a quarry spall entrance into each of the two properties. The size of the quarry spall entrance shall be a minimum of 10' wide by 20' long into the site. Follow requirements or recommendations of the King County Surface Water Design Manual.
- B. Control site access through entrances by using existing and temporary fencing, gates, markers, signage, and other appropriate and/or required safety features to control and warn authorized visitors and workers of demolition activities, and unsafe areas. Unauthorized visitors shall not be allowed on the site. The site shall be secured at the end of each workday. Maintain these safety features in good condition throughout the Work.

14.07 PREPARATION

- A. Make the necessary preparations to prevent the movement, settlement, or collapse of the adjacent facilities/structural elements to remain; including sidewalks, roadways, neighboring

buildings, and fences. Promptly repair damage caused to adjacent facilities by demolition work at no cost to the Owner.

14.08 GENERAL

- A. Ensure proper demolition and disposal procedures, per the requirements of Authorities Having Jurisdiction (AHJ) are followed.
- B. Perform demolition in a systematic and safe manner. Do not bury demolition materials or debris on-site. Minimize dust generation and soil erosion during all demolition activities as described in other sections and in the plans.
- C. For pollution control, use water sprinkling, temporary enclosures, and other suitable methods as necessary to limit the amount of dust rising and scattering in the air to the lowest level of air pollution practical for the conditions of work. The Contractor shall comply with the governing regulations.
- D. Collapse buildings internally so building debris falls inward towards the center of the structure whenever possible. Do not let debris spread throughout the site. Keep site clean at all times.
- E. Remove and dispose or recycle debris, rubbish, and other materials resulting from demolition operations immediately on completion of work. Provide the Owner Rep with all disposal receipts and weigh tickets from the disposal site.
- F. Endeavor to demolish and stage for removal, all buildings, shed, and playground equipment in one day.
- G. Organize site and workers in a manner which promotes efficient flow of materials through disassembly, processing, stockpiling, and removal. Keep site clean and organized throughout demolition and disposal.
- H. Restore to original condition and function any site utilities or components that are scheduled to remain and are damaged, defaced, soiled, or removed as a result of this work.
- I. Stage demolished-materials removal to avoid interference with local traffic or activities at adjacent properties that are or will remain occupied in accordance with traffic control plan.

14.09 CLEANUP

- A. Completely remove and dispose of the demolition debris. Care shall be taken in removing buildings, such that damage does not occur to the existing pavement, slabs, and earth retaining walls, which are to remain in place.
- B. After removal of all items and structures identified in the plans and specifications, clean the area. There shall be no debris, rubble, or litter left at the site from any of the demolition operations and the site shall be clean. Site cleanliness will be subject to a final walkthrough and approval by the owner's consultant and the construction manager.

14.10 SITE GRADING

- A. After demolition, disposal, and site cleanup, grade the site, if necessary, so that no large pits, ponds, or voids deeper than 24 inches exist. Review with Owner Rep prior to any grading work. Grade out sides of any voids or pits so that side walls are not steeper than 3:1.

14.11 HYDROSEEDING

- A. At the conclusion of site grading, if necessary, or after site cleanup if no site grading is required, contractor shall scarify any exposed earth areas. Within 24 hours, Contractor shall hydroseed the property with an appropriate blend of grass seed, fertilizer, tackifier, and hydro-mulch.
- B. Contractor shall be responsible for the establishment and maintenance of the hydroseed areas and this shall continue for 12 months or the start of new construction, whichever occurs first.

END OF SECTION

SECTION VIII

HAZARDOUS MATERIALS
REPORTS

Hazardous Materials Survey Report

Highline Head Start
10041 6th Avenue SW
Seattle, Washington

Prepared for:
King County Housing Authority
700 Andover Park W
Seattle, Washington 98188

September 8, 2020
PBS Project 40573.207



214 E GALER STREET, SUITE 300
SEATTLE, WA 98102
206.233.9639 MAIN
866.727.0140 FAX
PBSUSA.COM

Table of Contents

1 INTRODUCTION	1
1.1 Background	1
1.2 Survey Process	1
1.3 Building Descriptions	1
2 FINDINGS.....	2
2.1 Asbestos-Containing Materials (ACMs).....	2
2.2 Lead-Containing Paint.....	3
3 RECOMMENDATIONS.....	4
3.1 Asbestos-Containing Materials (ACM).....	4
3.2 Lead-Containing Paint (LCP).....	4

Supporting Data

Appendix A: PLM Bulk Sampling Information

PLM Bulk Sample Laboratory Data Sheets
PLM Bulk Sample Chain of Custody Documentation

Appendix B: Lead in Paint Chip Sampling Information

Paint Chip Laboratory Data Sheets
Paint Chip Chain of Custody Documentation

Appendix C: Certifications

©2020 PBS Engineering and Environmental Inc.

1 INTRODUCTION

1.1 Background

PBS Engineering and Environmental Inc. (PBS) performed a hazardous materials survey of the Highline Head Start at 10041 6th Avenue SW in Seattle, Washington. Accessible building areas included in the scope of work were inspected for the presence of asbestos-containing materials (ACMs) and lead-containing paint (LCP). The intent of this investigation is to ensure that King County Housing Authority (KCHA) is in compliance with applicable regulatory requirements that a "good faith inspection" for ACMs be performed prior to demolition activities.

1.2 Survey Process

Accessible areas of the buildings were inspected by Asbestos Hazard Emergency Response Act (AHERA) certified building inspector Janet Murphy (Cert. No. IR-20-0000 Exp. 03/19/2021) on August 24, 2020. When observed, suspect materials were sampled. All samples were assigned a unique identification number and transmitted for analysis to Seattle Asbestos Test, LLC (NVLAP # 201057-0) for analysis. All samples were analyzed by polarized light microscopy (PLM), which has a reliable limit of quantification of one percent asbestos by volume. Information regarding the type and location of sampled materials can be found on the attached PLM laboratory report located in Appendix A.

Destructive investigation was not performed to investigate inaccessible areas. Inaccessible areas are defined as those requiring selective demolition, fall protection or confined-space entry protocols to gain access. While PBS has endeavored to identify concealed ACMs, additional unidentified materials may be present in concealed locations that were not accessed during this survey. Any materials encountered during renovation that have not been previously sampled should be sampled for asbestos content prior to impact.

1.3 Building Descriptions

The Head Start Buildings consists of five (5) structures. The structures include the main building north and south, classroom A and B building, a portable building and a shed on the north and south side of the property.

Main Building North and South

The main building is split into a north and south side connected by a covered porch. It is a single-story structure with an attic and crawlspace. The building includes a kitchen, restrooms, staff/faculty office, custodial room, and storage. Interior floor finishes include 12-inch and 9-inch vinyl floor tile. Walls consist of gypsum wallboard with and without texture. Ceilings are finished with 2-foot by 4-foot lay-in ceiling tiles. The building is heated by electric heaters. The building exterior is constructed of wood siding. Concealed pipe insulation is presumed to exist in various locations inside walls or buried underground. Pipes in the crawlspace have no insulation.

Classroom A and B Building

Classroom A and B building is a single-story wood structure. The building includes two classrooms, restrooms, custodial closets, and electrical/mechanical spaces. Interior floor finishes include 12-inch vinyl floor tile and sheet vinyl. Walls consist of gypsum wallboard throughout. Ceilings are finished with 2-foot by 4-foot lay-in ceiling tiles. The building exterior is constructed of wood siding. Concealed pipe insulation is presumed to exist in various locations inside walls or buried underground.

Portable

The Portable building is a single-story concrete slab-on-grade structure. The building is a single classroom with no restrooms or plumbing. The interior floor is finished with carpet on wood. Walls consist gypsum

wallboard panels. Ceilings are finished with 2-foot by 4-foot lay-in fissured ceiling tiles. Heat is supplied to the building via an exterior HVAC unit on the side of the building and above ceiling insulated ducts. The building exterior is constructed of wood siding.

North and South Shed

The north and south sheds are used for storage. Both have wood siding and 3-tab roofing shingles.

2 FINDINGS

2.1 Asbestos-Containing Materials (ACMs)

The following materials were sampled and contain **greater than 1% asbestos**.

- **9" brown vinyl floor tile and mastic under carpet** –Main Building North in hallway, administration area, mechanical closet, IT closet, and rooms on the east side of hallway - approximately 1,125 SF.
- **Black mastic under carpet and leveling compound** –Main Building North in rooms on west side of hallway - approximately 450 SF.

The following materials were sampled and **do not** contain detectable asbestos.

Main Building North and South

- 3-tab roofing shingles, mastic, and vapor barrier –roof
- 2'x4' white lay-in ceiling tiles – throughout
- White sink undercoat – kitchen
- 12" Black and Green vinyl floor tile with yellow mastic – restrooms in north and south building
- 12" Tan vinyl floor tile with yellow mastic – throughout the south building
- Yellow and tan cove base mastic – throughout
- Laminate and mastic – on counters throughout
- Joint compound and wallboard (composite) – throughout
- Texture on gypsum wallboard – walls and ceilings throughout
- Insulation, yellow and brown –attic space throughout
- White leveling compound – under carpet throughout in various locations
- Concrete foundation – exterior throughout
- Sealant on door frames – exterior doors throughout
- Sealant on windows frames – exterior doors throughout

Classroom A and B Building

- 3-tab roofing shingles, mastic, and vapor barrier –roof
- 2'x4' white lay-in ceiling tiles – throughout
- White sink undercoat – kitchen
- 12" Gray vinyl floor tile and yellow mastic – throughout classrooms
- 12" Tan vinyl floor tile with blue streaks – throughout classrooms
- White sheet vinyl with a square pattern – teachers' restroom
- Brown pebble pattern sheet vinyl with gray backing – children's restrooms
- Laminate and mastic – kitchen counter
- Sealant on door frames – exterior doors throughout

- Sealant on windows frames – exterior doors throughout
- Joint compound and wallboard (composite) – throughout

Portable

- 3-tab roofing shingles, mastic, and vapor barrier –roof
- 2'x4' white lay-in ceiling tiles – throughout
- Yellow carpet mastic – throughout
- Tan cove base mastic – throughout
- Sealant on door frames – exterior doors throughout
- Sealant on windows frames – exterior doors throughout
- Sealant on HVAC unit – on exterior side of portable
- Asphaltic sheet roofing – on ADA ramp
- Paper and batt insulation – above ceiling tiles throughout
- Gypsum wall board panels – throughout

Sheds North and South

- 3-tab roofing shingles, mastic, and vapor barrier –roof

Refer to Appendix A for a complete listing of representative bulk sampling and associated laboratory analysis.

2.2 Lead-Containing Paint

Ten (10) representative paint coatings were sampled for lead content. The samples were assigned a unique identification number and transmitted to EMSL Laboratories (AIHA-LAP IH #2845.09) in San Leandro, California, under chain-of-custody protocols for analysis using Flame Atomic Absorption (EPA 3051/7000B).

The following paint coatings were sampled and determined to contain detectable lead.

- **Pink Paint** - Gypsum Wall Panels in Portable - 0.013% lead

The following paint coatings were sampled and determined **not** to contain detectable lead.

- White Paint on Wood Handrails on Porch Rail, Main Building South - <0.0080%
- Gray Paint on Wood Siding, Main Building North - <0.0080%
- Pint Paint on Gypsum Wall, Main Building South Kitchen - <0.0080%
- Pint Paint on Gypsum Wall, Main Building North Admin Office - <0.0080%
- White Paint on Wood Column, Classroom A and B Building Exterior - <0.0080%
- Gray Paint on Wood Siding, Classroom A and B Building Exterior - <0.013%
- Brown Paint on Wood Stairs, Main Building North Exterior Stairs - <0.0080%
- Gray Paint on Wood Siding, South Portable Building Exterior - <0.0080%
- White Paint on Wood Trim, North Shed Building Exterior - <0.008%

Refer to Appendix B for additional information including specific sample locations and associated laboratory analysis.

3 RECOMMENDATIONS

3.1 Asbestos-Containing Materials (ACMs)

ACMs were found within the work scope areas. PBS recommends that ACMs to be impacted by renovation or demolition activities be removed prior to construction or only be impacted by properly trained and protected personnel in accordance with applicable local, state, and federal regulations. A qualified asbestos abatement contractor licensed in the State of Washington should be employed for any removal and proper disposal of ACMs in accordance with all applicable local, state, and federal regulations.

The possibility exist that suspect ACMs may be present in equipment, wall and ceiling cavities, and in select areas included in the scope of renovations. These may include, but are not limited to, pipe insulation, below slab components vapor barriers, and construction adhesives and wall mastics. In the event that suspect ACMs is uncovered during construction, contractors should stop work immediately and inform the owner promptly for confirmation testing. All untested materials should be presumed asbestos-containing or tested for asbestos content prior to impact.

3.2 Lead-Containing Paint (LCP)

Lead-containing paint was found within the work scope areas. Impact of paint with detectable concentrations of lead requires construction activities to be performed in accordance with the State of Washington Department of Labor and Industries (L&I) regulation for Lead in Construction (WAC 296-155-176).

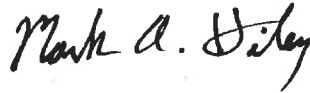
Paint coatings may exist in inaccessible areas of the building or in secondary coatings on building components. Any previously unidentified painted coatings should be considered lead containing until sampled and proven otherwise.

Report prepared by:



Janet Murphy
AHERA Building Inspector
Cert. # IR-20-000, Exp. 03/19/21

Report reviewed by:



Mark Hiley
Senior Project Manager

APPENDIX A

PLM Bulk Sampling Information

PLM Bulk Sample Laboratory Data Sheets

PLM Bulk Sample Chain of Custody Documentation

**Highline Headstart Building
King County Housing Authority
PLM ASBESTOS SAMPLE INVENTORY**

**PBS Engineering + Environmental
PBS Project #40573.207**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.207 -1	3-Tab shingle and black paper	North shed roof	Layer 1: Black asphaltic material Layer 2: Black asphaltic material with sand Layer 3: Black asphaltic material Layer 4: Clear plastic with paint Layer 5: Trace black asphaltic fibrous material	NAD NAD NAD NAD NAD	SAT
40573.207 -2	3-Tab shingle and black paper	South shed roof	Layer 1: Black asphaltic material with sand Layer 2: Black asphaltic fibrous material	NAD NAD	SAT
40573.207 -3	3-Tab shingle and mastic	Portable roof	Layer 1: Black asphaltic material with sand Layer 2: Black asphaltic material	NAD NAD	SAT
40573.207 -4	Asphaltic paper	Portable ramp	Layer 1: Black asphaltic fibrous material with sand	NAD	SAT
40573.207 -5	White paper, mastic and pink fiberglass insulation	Portable insulation behind ceiling tile	Layer 1: Silver foil Layer 2: Tan paper with mastic and woven fibrous material Layer 3: Pink fibrous material	NAD NAD NAD	SAT
40573.207 -6	Pink paint and gypsum panel	Portable wall panel	Layer 1: White chalky material with paint and paper	NAD	SAT
40573.207 -7	2'x4' White ceiling tile with fissures	Portable ceiling	Layer 1: Gray fibrous material with paint	NAD	SAT
40573.207 -8	Yellow carpet mastic	Portable	Layer 1: Yellow mastic Layer 2: Brown wood debris	NAD NAD	SAT
40573.207 -9	Tan covebase mastic	Portable	Layer 1: Tan/off-white mastic Layer 2: Gray fibrous material	NAD NAD	SAT
40573.207 -10	Gray sealant on HVAC unit	Exterior portable	Layer 1: Off-white soft/elastic material with paint Layer 2: Brown wood debris	NAD NAD	SAT
40573.207 -11	Gray sealant on window frame	Exterior portable	Layer 1: Off-white soft/elastic material with paint	NAD	SAT
40573.207 -12	Gray sealant on door frame	Exterior portable	Layer 1: White soft/elastic material Layer 2: Trace brown fibrous material	NAD NAD	SAT

September 8, 2020

NAD - No Asbestos Detected

1 of 5

**Highline Headstart Building
King County Housing Authority**

**PBS Engineering + Environmental
PBS Project #40573.207**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.207 -13	Yellow carpet mastic	Portable	Layer 1: Yellow mastic Layer 2: Brown wood debris	NAD NAD	SAT
40573.207 -14	3-Tab shingle and mastic	A and B building roof	Layer 1: Black asphaltic material with sand Layer 2: Black asphaltic material	NAD NAD	SAT
40573.207 -15	2'x4' White lay-in ceiling tile with fissures	A and B building classroom A	Layer 1: Gray fibrous material with paint	NAD	SAT
40573.207 -16	2'x4' White lay-in ceiling tile with fissures	A and B building classroom B	Layer 1: Gray fibrous material with paint	NAD	SAT
40573.207 -17	White sink undercoat	A and B building kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.207 -18	12" Gray vinyl floor tile with yellow mastic	A and B building kitchen	Layer 1: Gray/off-white tile Layer 2: Yellow mastic Layer 3: Brown wood debris	NAD NAD NAD	SAT
40573.207 -19	Gray covebase and tan mastic	A and B building kitchen	Layer 1: Gray rubbery material Layer 2: Tan/off-white mastic Layer 3: Brown fibrous material with paint	NAD NAD NAD	SAT
40573.207 -20	12" vinyl floor tile with blue streaks, yellow mastic	A and B building classroom B	Layer 1: Tan/off-white tile Layer 2: Yellow mastic	NAD NAD	SAT
40573.207 -21	12" vinyl floor tile with blue streaks, yellow mastic	A and B building classroom A	Layer 1: Tan/off-white tile Layer 2: Yellow mastic	NAD NAD	SAT
40573.207 -22	White sheet vinyl with square pattern	A and B building teacher restroom	Layer 1: White sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.207 -23	Brown pebble pattern sheet vinyl / Gray sheet vinyl	A and B building kids' restroom	Layer 1: Tan sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT

**Highline Headstart Building
King County Housing Authority**

**PBS Engineering + Environmental
PBS Project #40573.207**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.207 -24	White laminate, green mastic	A and B building kitchen counter	Layer 1: Off-white brittle/rigid material Layer 2: Green mastic Layer 3: Brown wood debris	NAD NAD NAD	SAT
40573.207 -25	Joint compound and wallboard composite	A and B building kitchen	Layer 1: White powdery material Layer 2: White chalky material with paper	NAD NAD	SAT
40573.207 -26	Window frame caulk	A and B building exterior	Layer 1: White soft/elastic material	NAD	SAT
40573.207 -27	Door framecaulk	A and B building exterior	Layer 1: White soft/elastic material	NAD	SAT
40573.207 -28	Concrete foundation	Headstart North building	Layer 1: Gray sandy/brittle material	NAD	SAT
40573.207 -29	Concrete foundation	Headstart North building	Layer 1: Gray sandy/brittle material	NAD	SAT
40573.207 -30	Concrete foundation	Headstart North building	Layer 1: Gray sandy/brittle material	NAD	SAT
40573.207 -31	White laminate and yellow mastic	Headstart North building, storage	Layer 1: White vinyl Layer 2: Yellow mastic Layer 3: Brown wood debris	NAD NAD NAD	SAT
40573.207 -32	3-Tab shingle, black asphaltic paper	Headstart North building, roof	Layer 1: Black asphaltic material with sand Layer 2: Black asphaltic material Layer 3: Clear plastic Layer 4: Black asphaltic fibrous material	NAD NAD NAD NAD	SAT
40573.207 -33	White sink undercoat	Headstart North building, kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.207 -34	Tan covebase mastic	Headstart North building Admin	Layer 1: Tan/yellow mastic Layer 2: Trace white powdery material with paint and paper	NAD NAD	SAT
40573.207 -35	Composite joint compound and wallboard	Headstart North building, Room 4	Layer 1: White powdery material Layer 2: White chalky material with paper	NAD NAD	SAT
40573.207 -36	Wall texture	Headstart North building storage	Layer 1: White powdery material with paint and paper	NAD	SAT

**Highline Headstart Building
King County Housing Authority**

**PBS Engineering + Environmental
PBS Project #40573.207**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.207 -37	Wall texture	Headstart North building Admin	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.207 -38	Wall texture	Headstart North building, restroom	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.207 -39	Pink vinyl floor tile Brown Mastic White leveling compound	Headstart North building hall	Layer 1: Trace pink tile Layer 2: Black mastic Layer 3: White brittle material	2% Chrysotile 3% Chrysotile NAD	SAT
40573.207 -40	White paint, brown mastic	Headstart North building, Room 3	Layer 1: Brown brittle material with paint Layer 2: Brown mastic	NAD NAD	SAT
40573.207 -41	Leveling compound	Headstart North building, Room 2	Layer 1: White brittle material	NAD	SAT
40573.207 -42	12" black vinyl floor tile / 12" green vinyl floor tile / Yellow mastic	Headstart North building, restroom	Layer 1: Black tile Layer 2: Yellow mastic Layer 3: Green tile	NAD NAD NAD	SAT
40573.207 -43	White paint 9" brown vinyl floor tile and black mastic	Headstart North building Admin	Layer 1: Brown tile with paint Layer 2: Black mastic	2% Chrysotile 2% Chrysotile	SAT
40573.207 -44	12" tan vinyl floor tile / 9" brown vinyl floor tile and black mastic	Headstart North building, Room 5	Layer 1: Tan tile with paint Layer 2: Black mastic	3% Chrysotile 2% Chrysotile	SAT
40573.207 -45	White leveling compound	Headstart North building, Room 4	Layer 1: White brittle material	NAD	SAT
40573.207 -46	White leveling compound / Brown vinyl floor tile / Black mastic	Headstart North building, Room 6	Layer 1: White powdery material with paint Layer 2: Tan tile with paint Layer 3: Black mastic	NAD 3% Chrysotile 3% Chrysotile	SAT
40573.207 -47	White paint, brown vinyl floor tile / black mastic	Headstart North building, Room 7	Layer 1: Tan tile with paint Layer 2: Black mastic	3% Chrysotile 2% Chrysotile	SAT
40573.207 -48	Brown fibrous insulation / Yellow fiberglass insulation	Headstart North building, attic	Layer 1: Brown fibrous material Layer 2: White fibrous material	NAD NAD	SAT

**Highline Headstart Building
King County Housing Authority**

**PBS Engineering + Environmental
PBS Project #40573.207**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.207 -49	Gray door frame sealant	Headstart North building exterior	Layer 1: Gray soft/elastic material Layer 2: Brown wood debris	NAD NAD	SAT
40573.207 -50	Gray window frame sealant	Headstart North building exterior	Layer 1: Gray soft/elastic material Layer 2: Brown wood debris	NAD NAD	SAT
40573.207 -51	Gray sealant on corner trim	Headstart North building exterior	Layer 1: Gray soft material with paint	NAD	SAT
40573.207 -52	3-Tab shingle and black paper	Headstart South building roof	Layer 1: Black asphaltic material with sand Layer 2: Black asphaltic material Layer 3: Black asphaltic fibrous material	NAD NAD NAD	SAT
40573.207 -53	Gray window frame sealant	Headstart South building exterior	Layer 1: Gray soft/elastic material with paint	NAD	SAT
40573.207 -54	Gray door frame sealant	Headstart South building exterior	Layer 1: Gray soft/elastic material with paint Layer 2: Brown fibrous material	NAD NAD	SAT
40573.207 -55	Yellow fiberglass insulation	Headstart South building attic	Layer 1: Yellow fibrous material	NAD	SAT
40573.207 -56	Tan covebase mastic	Headstart South building hall	Layer 1: Tan/off-white mastic	NAD	SAT
40573.207 -57	12" black vinyl floor tile / 12" green vinyl floor tile / Yellow mastic	Headstart South building restroom	Layer 1: Black tile Layer 2: Yellow mastic	NAD NAD	SAT
40573.207 -58	12" Tan vinyl floor tile / Yellow mastic	Headstart South building admin	Layer 1: Tan/off-white tile Layer 2: Yellow mastic	NAD NAD	SAT
40573.207 -59	Undercoat on sink	Headstart South building kitchen	Layer 1: Trace silver/white paint	NAD	SAT
40573.207 -60	Composite of joint compound and wallboard	Headstart South building restroom	Layer 1: White chalky material with paper	NAD	SAT
40573.207 -61	Wall texture	Headstart South building admin	Layer 1: White powdery material with paint and paper	NAD	SAT
40573.207 -62	Wall texture	Headstart South building kitchen	Layer 1: White powdery material with paint Layer 2: Trace white chalky material with paper	NAD NAD	SAT

SEATTLE ASBESTOS TEST, LLC

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

www.seattleasbestos.com, admin@seattleasbestos.com

Project Manager: Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle
Dodson
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA
98102
Tel: 206.233.9639

Date Analyzed: 8/31/2020
Client Job#: 40573.207
Project Location: KCHA - Headstart Building
Laboratory batch#: 202021107
Samples Received: 62

Enclosed please find the test results for the bulk samples submitted to our laboratory for asbestos analysis. Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA - 40 CFR Appendix E of Part 763, Interim Method of Determination of Asbestos in Bulk Insulation Samples and Test Method US EPA/600/R-93/116.

Percentages for this report are done by visual estimate and relate to the suggested acceptable error ranges by the method. Since variation in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). Statistically, point counting is a more accurate method. If you feel a point count might be beneficial, please feel free to call and request one.

The test results refer only to the samples or items submitted and tested. The accuracy with which these samples represent the actual materials is totally dependent on the acuity of the person who took the samples. This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government. The test report or calibration certificate shall not be reproduced except in full, without written approval of the laboratory.

This report is highly confidential and will not be released without your consent. Samples are archived for 30 days after the analysis, and disposed of as hazardous waste thereafter.

Thank you for using our service and let us know if we can further assist you.

Sincerely



Steve (Fanyao) Zhang
President

202021107

SAT



LABORATORY CHAIN OF CUSTODY

Project: KC11A - Headstart BuildingProject #: 40573.207Analysis requested: PCMDate: 8/24/20Relinqu'd by/Signature: Janet MurphyDate/Time: 8/24/20Received by/Signature: Caroline Yee OnyiahDate/Time: 8/26/20 14:10Email ALL INVOICES to: seattleap@pbsusa.com

Email results to:

- Brian Stanford
 Willem Mager
 Gregg Middaugh
 Mark Hiley
 Tim Ogden
 Prudy Stoudt-McRae

- Cel Alvarez
 Janet Murphy
 Kaitlin Soukup
 Martin Estira
 Justin Day
 Claire Tsai

- Mike Smith
 Ferman Fletcher
 Holly Tuttle
 Ryan Hunter
 Michelle Dodson

TURN AROUND TIME:

- 1 Hour
 2 Hours
 4 Hours

- 24 Hours
 48 Hours

- 3-5 Days
 Other: 3 Day

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
1.	3-Tab Shingle and Black Paper	North Shed Roof	SAT
2.	3-Tab Shingle and Black Paper	South Shed Roof	
3.	3-Tab Shingle and Mastic	Portable Roof	
4.	Asphaltic Paper	Portable Ramp	
5.	white Paper, mastic and pink fiberglass insulation	Portable Insulation ^{behind} ceiling tile	
6.	Pink Paint, and Gypsum Panel	Portable wall Panel	
7.	2x4' white Ceiling Tile with Fissures	Portable ceiling	
8.	Yellow Carpet Mastic	Portable	
9.	Tan Covebase mastic	Portable	
10.	Gray Sealant on HVAC Unit	Exterior Portable	
11.	Gray Sealant on Window Frame	Exterior Portable	
12.	Gray Sealant on Door Frame	Exterior Portable	
13.	Yellow Carpet Mastic	Portable	
14.	3-Tab Shingle and Mastic	A and B Building Roof	
15.	2'x4' white Lay-in Ceiling Tile with Fissures	A and B Building Classroom A	
16.	"	A and B Building Classroom B	
17.	White Sink Undercoat	A and B Building Kitchen	
18.	12" Gray VFT with Yellow Mastic	A and B Building Kitchen	



202021107

SAT

LABORATORY CHAIN OF CUSTODY

Project: KCHA - Headstart Building

Project #: 40573.207

Analysis requested: PLM

Date: 8/24/20

Relinqu'd by/Signature: Janet Murphy

Date/Time: 8/24/20

Received by/Signature: Caroline / 20 Carlye

Date/Time: 8/26/20 14:10

Email ALL INVOICES to: seattleap@pbsusa.com

Email results to:

- Brian Stanford
- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Prudy Stoudt-McRae

- Cel Alvarez
- Janet Murphy
- Kaitlin Soukup
- Martin Estira
- Justin Day
- Claire Tsai

- Mike Smith
- Ferman Fletcher
- Holly Tuttle
- Ryan Hunter
- Michelle Dodson

TURN AROUND TIME:

- 1 Hour
- 2 Hours
- 4 Hours

- 24 Hours
- 48 Hours

- 3-5 Days
- Other: 3 Days

SAMPLE DATA FORM

Sample #	Material	Location	Lab
19.	Gray Covebase and Tan Mastic	A and B Building Kitchen	SAT
20.	12" Tan Vinyl Floor Tile with Blue Streaks, Yellow Mastic	A and B Building Classroom B	
21.	"	A and B Building Classroom A	
22.	White Sheet Vinyl with Square Pattern	A and B Building Teacher RR	
23.	Brown Pebble Pattern Sheet Vinyl	A and B Building Kids RR	
	Gray Sheet Vinyl		
24.	White Laminate, green mastic	A and B Building Kitchen Counter	
25.	Joint Compound and Wall board Composite	A and B Building Kitchen	
26.	Window Frame Caulk	A and B Building Exterior	
27.	Door Frame Caulk	A and B Building Exterior	
28.	Concrete Foundation	Headstart N. Building	
29.	"	"	
30.	"	"	
31.	White Laminate and Yellow Mastic	Headstart N. Building Storage	
32.	3-Tab Shingles, Black Asphaltic Paper	Headstart N. Building Roof	
33.	White Sink Undercoat	Headstart N. Building Kitchen	
34.	Tan Covebase Mastic	Headstart N. Building Admin	✓



202021107

SAT

LABORATORY CHAIN OF CUSTODY

Project: KCHA - Headstart Building

Project #: 40573.207

Analysis requested: PLM

Date: 8/24/20

Relinqu'd by/Signature: Janet Murphy

Date/Time: 8/24/20

Received by/Signature: Conor...

Date/Time: 8/26/20 14:40

Email ALL INVOICES to: seattleap@pbsusa.com

Email results to:

- | | | |
|--|--|---|
| <input type="checkbox"/> Brian Stanford | <input type="checkbox"/> Ccl Alvarez | <input type="checkbox"/> Mike Smith |
| <input type="checkbox"/> Willem Mager | <input checked="" type="checkbox"/> Janet Murphy | <input type="checkbox"/> Ferman Fletcher |
| <input type="checkbox"/> Gregg Middaugh | <input type="checkbox"/> Kaitlin Soukup | <input type="checkbox"/> Holly Tuttle |
| <input checked="" type="checkbox"/> Mark Hiley | <input type="checkbox"/> Martin Estira | <input type="checkbox"/> Ryan Hunter |
| <input type="checkbox"/> Tim Ogden | <input type="checkbox"/> Justin Day | <input checked="" type="checkbox"/> Michelle Dodson |
| <input type="checkbox"/> Prudy Stoudt-McRae | <input type="checkbox"/> Claire Tsai | |

TURN AROUND TIME:

- | | | |
|----------------------------------|-----------------------------------|---|
| <input type="checkbox"/> 1 Hour | <input type="checkbox"/> 24 Hours | <input type="checkbox"/> 3-5 Days |
| <input type="checkbox"/> 2 Hours | <input type="checkbox"/> 48 Hours | <input checked="" type="checkbox"/> Other <u>3 Days</u> |
| <input type="checkbox"/> 4 Hours | | |

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
35.	Composite Joint Compound and wall board	Headstart N. Building Rm 4	SAT
36.	Wall Texture	Headstart N. Building Storage	
37.	"	Headstart N. Building Admin	
38.	"	Headstart N. Building RR	
39.	White Leveling Compound Brown Mast.	Headstart N. Building Hall	
40.	White Paint, Brown Mastic	Headstart N. Building Rm 3	
41.	Leveling Compound	Headstart N. Building Rm 2	
42.	12" Black VFT 12" Green VFT Yellow Mastic	Headstart N. Building RR	
43.	White Paint 9" Brown Vinyl Floor Tile and Black Mastic	Headstart N. Building Admin	
44.	12" Tan Vinyl Floor Tile 9" Brown Vinyl Floor Tile and Black Mastic	Headstart N. Building Rm 5	
45.	White Leveling Compound	Headstart N. Building Rm 4.	
46.	White Leveling Compound Brown Vinyl Floor Tile and Black Mastic	Headstart N. Building Rm 6.	
47.	White Paint, Brown Vinyl Floor Tile Black Mastic	Headstart N. Building Rm 7.	
48.	Brown Fibrous Insulation	Headstart N. Building Attic	

202021107



LABORATORY CHAIN OF CUSTODY

Project: KCHA-Headstart Building
 Analysis requested: PCM
 Relinqu'd by/Signature: Janet Murphy
 Received by/Signature: Carolina Lee Ch Lee

Project #: 40573.207
 Date: 8/24/20
 Date/Time: 8/24/20
 Date/Time: 8/26/20 14:10

Email ALL INVOICES to: seattleap@pbsusa.com

Email results to:

- | | | |
|--|---|---|
| <input type="checkbox"/> Brian Stanford | <input type="checkbox"/> Cel Alvarez | <input type="checkbox"/> Mike Smith |
| <input type="checkbox"/> Willem Mager | <input type="checkbox"/> Janet Murphy | <input type="checkbox"/> Ferman Fletcher |
| <input type="checkbox"/> Gregg Middaugh | <input type="checkbox"/> Kaitlin Soukup | <input type="checkbox"/> Holly Tuttle |
| <input checked="" type="checkbox"/> Mark Hiley | <input type="checkbox"/> Martin Estira | <input type="checkbox"/> Ryan Hunter |
| <input type="checkbox"/> Tim Ogden | <input type="checkbox"/> Justin Day | <input checked="" type="checkbox"/> Michelle Dodson |
| <input type="checkbox"/> Prudy Stoudt-McRae | <input type="checkbox"/> Claire Tsai | |

TURN AROUND TIME:

- | | | |
|----------------------------------|-----------------------------------|---|
| <input type="checkbox"/> 1 Hour | <input type="checkbox"/> 24 Hours | <input type="checkbox"/> 3-5 Days |
| <input type="checkbox"/> 2 Hours | <input type="checkbox"/> 48 Hours | <input checked="" type="checkbox"/> Other <u>3 Days</u> |
| <input type="checkbox"/> 4 Hours | | |

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
48 Cont	Yellow Fiberglass Insulation	Headstart N. Building Attic	
49	Gray Door Frame Sealant	Headstart N. Building Exterior	
50	Gray Window Frame Sealant	Headstart N. Building Exterior	
51	Gray Sealant on Corner Trim	Headstart N. Building Exterior	
52	3-Tab Shingle and Black Paper	Headstart S. Building Roof	
53	Gray Window Frame Sealant	Headstart S. Building Exterior	
54	Gray Door Frame Sealant	Headstart S. Building Exterior	
55	Yellow Fiberglass Insulation	Headstart S. Building Attic	
56	Tan Concrete Mastic	Headstart S. Building Hall	
57	12" Black VFT, yellow Mastic	Headstart S. Building RR	
58	12" Tan VFT, yellow Mastic	Headstart S. Building Admin	
59	Undercoat on Sink	Headstart S. Building Kitchen	
60	Composite of Joint Compound and wall board	Headstart S. Building RR	
61	Wall Texture	Headstart S. Building Admin	
62	Wall Texture	Headstart S. Building Kitchen	

SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Mr. Mark Hiley, Ms.
Attn.: Janet Murphy, Ms.
Michelle Dodson

Client: PBS Engineering and
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 40573.207

Batch#: 202021107

Date Received: 8/26/2020

Samples Rec'd: 62

Date Analyzed: 8/31/2020

Samples Analyzed: 62

Project Loc.: KCHA - Headstart Building

Analyzed by: *C. Yoo*
Candlyn Yoo

Reviewed by: *S. Zhang*
Steve (if any) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	1	1	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
		2	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	26	Glass fibers
		3	Black asphaltic material		None detected	Asphalt/binder	2	Cellulose
		4	Clear plastic with paint		None detected	Plastic, Paint		None detected
		5	Trace black asphaltic fibrous material		None detected	Asphalt/binder, Filler	64	Cellulose
2	2	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	25	Glass fibers
		2	Black asphaltic fibrous material		None detected	Asphalt/binder, Filler	61	Cellulose
3	3	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	28	Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	2	Cellulose
4	4	1	Black asphaltic fibrous material with sand		None detected	Asphalt/binder, Filler, Sand	60	Cellulose, Glass fibers
5	5	1	Silver foil		None detected	Foil/binder		None detected
		2	Tan paper with mastic and woven fibrous material		None detected	Filler, Mastic/binder	65	Cellulose, Glass fibers
		3	Pink fibrous material		None detected	Filler	88	Glass fibers
6	6	1	White chalky material with paint and paper		None detected	Binder/filler, Gypsum/binder, Paint	27	Cellulose, Glass fibers
7	7	1	Gray fibrous material with paint		None detected	Paint, Filler, Perlite	65	Cellulose
8	8	1	Yellow mastic		None detected	Mastic/binder	2	Cellulose
		2	Brown wood debris		None detected	Wood debris	6	Cellulose
9	9	1	Tan/off-white mastic		None detected	Mastic/binder	3	Cellulose
		2	Gray fibrous material		None detected	Filler	83	Cellulose
10	10	1	Off-white soft/elastic material with paint		None detected	Binder, Filler, Paint	2	Cellulose
		2	Brown wood debris		None detected	Wood debris	5	Cellulose

SEATTLE ASBESTOS TEST

Seattle Laboratory 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Mr. Mark Hiley, Ms.
Atn.: Janel Murphy, Ms.
Michelle Dodson

Client: PBS Engineering and
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 40573.207

Batch#: 202021107

Date Received: 8/26/2020

Samples Rec'd: 62

Date Analyzed: 8/31/2020

Samples Analyzed: 62

Project Loc.: KCHA - Headstart Building

Analyzed by: *Carlye*
Carlye Yan

Reviewed by: *Shuang*
Steve (Junyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
11	11	1	Off-white soft/elastic material with paint		None detected	Binder, Filler, Paint	2	Cellulose
12	12	1	White soft/elastic material		None detected	Binder, Filler	3	Cellulose
		2	Trace brown fibrous material		None detected	Filler	82	Cellulose
13	13	1	Yellow mastic		None detected	Mastic/binder	2	Cellulose
		2	Brown wood debris		None detected	Wood debris	5	Cellulose
14	14	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	21	Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
15	15	1	Gray fibrous material with paint		None detected	Paint, Filler, Perlite	69	Cellulose
16	16	1	Gray fibrous material with paint		None detected	Paint, Filler, Perlite	67	Cellulose
17	17	1	White soft/loose material		None detected	Filler, Fine particles	3	Cellulose
18	18	1	Gray/off-white tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Brown wood debris		None detected	Wood debris	7	Cellulose
19	19	1	Gray rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Tan/off-white mastic		None detected	Mastic/binder	2	Cellulose
		3	Brown fibrous material with paint		None detected	Filler, Paint	86	Cellulose
20	20	1	Tan/off-white tile		None detected	Vinyl/binder, Mineral grains	3	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
21	21	1	Tan/off-white tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
22	22	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	68	Cellulose

SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201067-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Attn.: Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson

Client: PBS Engineering and Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 40573.207

Batch#: 202021107

Date Received: 8/26/2020

Samples Rec'd: 62

Date Analyzed: 8/31/2020

Samples Analyzed: 62

Project Loc.: KCHA - Headstart Building

Analyzed by: *C. Yeo*
Carolyn Yeo

Reviewed by: *S. Zhang*
Steve (Janyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
23	23	1	Tan sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
24	24	1	Off-white brittle/rigid material		None detected	Filler, Binder, Fine particles	65	Cellulose
		2	Green mastic		None detected	Mastic/binder	4	Cellulose
		3	Brown wood debris		None detected	Wood debris	7	Cellulose
25	25	1	White powdery material		None detected	Binder, Filler	2	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
26	26	1	White soft/elastic material		None detected	Binder, Filler	3	Cellulose
27	27	1	White soft/elastic material		None detected	Binder, Filler	2	Cellulose
28	28	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose, Glass fibers
29	29	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose, Glass fibers
30	30	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose, Glass fibers
31	31	1	White vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	2	Cellulose
		3	Brown wood debris		None detected	Wood debris	7	Cellulose
32	32	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	22	Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
		3	Clear plastic		None detected	Plastic		None detected
		4	Black asphaltic fibrous material		None detected	Asphalt/binder, Filler	66	Cellulose
33	33	1	White soft/loose material		None detected	Filler, Fine particles	4	Cellulose

SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Mr. Mark Hiley, Ms.
Ann: Janet Murphy, Ms.
Michelle Dodson
Job#: 40573.207

Client: PBS Engineering and
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Batch#: 202021107

Date Received: 8/26/2020

Samples Rec'd: 62

Date Analyzed: 8/31/2020

Samples Analyzed: 62

Project Loc.: KCHA - Headstart Building

Analyzed by: *C. Yeo*
Carolyn Yeo

Reviewed by: *S. Zhang*
Steve (Lanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
34	34	1	Tan/yellow mastic		None detected	Mastic/binder	2	Cellulose
		2	Trace white powdery material with paint and paper		None detected	Binder, Filler, Paint	21	Cellulose
35	35	1	White powdery material		None detected	Binder, Filler	2	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	23	Cellulose
36	36	1	White powdery material with paint and paper		None detected	Binder, Filler, Paint	20	Cellulose
37	37	1	White powdery material with paint		None detected	Binder, Filler, paint	3	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
38	38	1	White powdery material with paint		None detected	Binder, Filler, paint	3	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	20	Cellulose
39	39	1	Trace pink tile	2	Chrysotile	Vinyl/binder, Mineral grains	3	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	2	Cellulose
		3	White brittle material		None detected	Binder, Filler	2	Cellulose
40	40	1	Brown brittle material with paint		None detected	Binder, Filler, paint	3	Cellulose
		2	Brown mastic		None detected	Mastic/binder	2	Cellulose
41	41	1	White brittle material		None detected	Binder, Filler	3	Cellulose
42	42	1	Black tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Green tile		None detected	Vinyl/binder, Mineral grains	3	Cellulose
43	43	1	Brown tile with paint	2	Chrysotile	Vinyl/binder, Mineral grains, Paint	2	Cellulose
		2	Black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
44	44	1	Tan tile with paint	3	Chrysotile	Vinyl/binder, Mineral grains, Paint	3	Cellulose
		2	Black mastic	2	Chrysotile	Mastic/binder	2	Cellulose

SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 0th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
Attn: Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
Job#: 40573.207
Sample Rec'd: 62
Project Loc.: KCHA - Headstart Building
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Batch#: 202021107
Date Analyzed: 8/31/2020
Date Received: 8/26/2020
Samples Analyzed: 62
Analyzed by: C. Yen
Reviewed by: Steve (Jimmy) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
45	45	1	White brittle material		None detected	Binder, Filler	3	Cellulose
46	46	1	White powdery material with paint		None detected	Binder, Filler, Paint	2	Cellulose
		2	Tan tile with paint	3	Chrysotile	Vinyl/binder, Mineral grains, Paint	3	Cellulose
		3	Black mastic	3	Chrysotile	Mastic/binder	2	Cellulose
47	47	1	Tan tile with paint	3	Chrysotile	Vinyl/binder, Mineral grains, Paint	3	Cellulose
		2	Black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
48	48	1	Brown fibrous material		None detected	Filler	90	Cellulose
		2	White fibrous material		None detected	Filler	89	Glass fibers
49	49	1	Gray soft/elastic material		None detected	Binder, Filler	3	Cellulose
		2	Brown wood debris		None detected	Wood debris	5	Cellulose
50	50	1	Gray soft/elastic material		None detected	Binder, Filler	2	Cellulose
		2	Brown wood debris		None detected	Wood debris	5	Cellulose
51	51	1	Gray soft material with paint		None detected	Binder, Filler, Paint	2	Cellulose
52	52	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	27	Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	2	Cellulose
		3	Black asphaltic fibrous material		None detected	Asphalt/binder, Filler	68	Cellulose
53	53	1	Gray soft/elastic material with paint		None detected	Binder, Filler, Paint	3	Cellulose
54	54	1	Gray soft/elastic material with paint		None detected	Binder, Filler, Paint	2	Cellulose
		2	Brown fibrous material		None detected	Filler	81	Cellulose
55	55	1	Yellow fibrous material		None detected	Filler	92	Glass fibers
56	56	1	Tan/off-white mastic		None detected	Mastic/binder	2	Cellulose
57	57	1	Black tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98106, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Trust, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
Client: PBS Engineering and Environmental, Seattle **Address:** 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 405/3.207 **Batch#:** 202021107 **Date Received:** 8/26/2020
Samples Rec'd: 62 **Date Analyzed:** 8/31/2020 **Samples Analyzed:** 62
Project Loc.: KCHA - Hurdstart Building

Analyzed by: *C. Yeo* Reviewed by: *S. Zhang*
 Carolyn Yeo Steve (Jimmy) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
58	58	1	Tan/off-white tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	2	Cellulose
59	59	1	Trace silver/white paint		None detected	Filler, Paint	2	Cellulose
60	60	1	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
61	61	1	White powdery material with paint and paper		None detected	Binder, Filler, Paint	3	Cellulose
62	62	1	White powdery material with paint		None detected	Binder, Filler, Paint	2	Cellulose
		2	Trace white chalky material with paper		None detected	Binder/filler, Gypsum/binder	21	Cellulose

APPENDIX B

Lead in Paint Sampling Information
Paint Chip Laboratory Data Sheets
Paint Chip Chain of Custody Documentation

Highline Headstart Building
King County Housing Authority

PBS Engineering + Environmental
PBS Project #40573.207

AA LEAD PAINT CHIP SAMPLE INVENTORY

<u>PBS Sample #</u>	<u>Paint Color / Component or Substrate</u>	<u>Sample Location</u>	<u>Results (mg/kg)</u>	<u>Results (%)</u>	<u>Lab</u>
40573.207 -Pb1	White / Wood / Hand rail	Porch rail South building	<80	<0.0080	EMSL
40573.207 -Pb2	Gray / Wood / Siding	Exterior North building	<80	<0.0080	EMSL
40573.207 -Pb3	Pink / Gypsum wallboard / Wall	South building kitchen	<80	<0.0080	EMSL
40573.207 -Pb4	Pink / Gypsum wallboard / Wall	North building admin office	<80	<0.0080	EMSL
40573.207 -Rb5	White / Wood / Column	A and B building exterior	<80	<0.0080	EMSL
40573.207 -Pb6	Gray / Wood / Siding	A and B building exterior	<130	<0.013	EMSL
40573.207 -Pb7	Brown / Wood / Stairs	North building stairs	<80	<0.0080	EMSL
40573.207 -Pb8	Gray / Wood / Siding	Exterior portable building	<80	<0.0080	EMSL
40573.207 -Pb9	Pink / Gypsum wallboard / Wall panel	Portable walls	130	0.013	EMSL
40573.207 -Pb10	White / Wood / Trim	North shed exterior	<80	<0.0080	EMSL

September 8, 2020

mg/kg = Milligrams per kilogram
< = Less than the Limit of Detection

1 of 1

**EMSL Analytical, Inc**

464 McCormick Street, San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com>sanleandrolab@emsl.com

EMSL Order:	092014687
CustomerID:	PBSE51
CustomerPO:	
ProjectID:	

Attn: **Mark Hiley**
PBS Engineering & Environmental, Inc.
214 East Galer St, Suite 300
Seattle, WA 98102

Phone: (206) 233-9639
 Fax: (206) 762-4780
 Received: 8/27/2020 10:15 AM
 Collected: 8/24/2020

Project: **KCHA HEADSTART BUILDING; 40573.207****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
PB1	092014687-0001	8/24/2020	8/28/2020	0.2622 g	<0.0080 % wt
Site: WHITE WOOD HAND RAIL PORCH RAIL S BLDG					
PB2	092014687-0002	8/24/2020	8/28/2020	0.2572 g	<0.0080 % wt
Site: GRAY WOOD SIDING EXTERIOR N BLDG					
PB3	092014687-0003	8/24/2020	8/28/2020	0.2541 g	<0.0080 % wt
Site: PINK GWB WALL S BUILDING KITCHEN					
PB4	092014687-0004	8/24/2020	8/28/2020	0.2597 g	<0.0080 % wt
Site: PINK GWB WALL N BUILDING ADMIN OFFICE					
PB5	092014687-0005	8/24/2020	8/28/2020	0.2667 g	<0.0080 % wt
Site: WHITE WOOD COLUMN A AND B BUILDING EXTERIOR					
PB6	092014687-0006	8/24/2020	8/28/2020	0.1545 g	<0.013 % wt
Site: GRAY WOOD SIDING A AND B BUILDING EXTERIOR					
PB7	092014687-0007	8/24/2020	8/28/2020	0.2637 g	<0.0080 % wt
Site: BROWN WOOD STAIRS N BUILDING STAIRS					
PB8	092014687-0008	8/24/2020	8/28/2020	0.2537 g	<0.0080 % wt
Site: GRAY WOOD SIDING EXTERIOR PORTABLE BUILDING					
PB9	092014687-0009	8/24/2020	8/28/2020	0.2622 g	0.013 % wt
Site: PINK GWB WALL PANEL PORTABLE WALLS					
PB10	092014687-0010	8/24/2020	8/28/2020	0.2687 g	<0.0080 % wt
Site: WHITE WOOD TRIM N SHED EXTERIOR					

Julian Neagu, Lead Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA A2LA Accredited Environmental Testing Cert #2845.09

Initial report from 08/28/2020 17:40:12

APPENDIX C
Certifications

THIS IS TO CERTIFY THAT

JANET MURPHY
HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE
for
ASBESTOS INSPECTOR REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR



Course Date: 03/19/2020
Course Location: Portland, OR
Certificate: IR-20-0000

4-Hour AHERA Inspector Refresher
Training; AHERA is the Asbestos Hazard
Emergency Response Act enacting Title II
of Toxic Substance Control Act (TSCA)

Expiration Date: 03/19/2021

For verification of the authenticity of this
certificate contact:
PBS Environmental
4412 SW Corbett Avenue
Portland, OR 97239
(503) 248-1939

A handwritten signature in black ink, which appears to read 'Andy Fridley', is written over a horizontal line.

Andy Fridley, Instructor

Hazardous Materials Survey Report

Single-Family Residence
520 SW 102nd Street
Seattle, Washington

Prepared for:
King County Housing Authority
700 Andover Park W
Seattle, Washington 98188

September 8, 2020
PBS Project 40573.208



214 E GALER STREET, SUITE 300
SEATTLE, WA 98102
206.233.9639 MAIN
866.727.0140 FAX
PBSUSA.COM

Table of Contents

1 INTRODUCTION	1
1.1 Background	1
1.2 Survey Process	1
1.3 Building Description	1
2 FINDINGS.....	1
2.1 Asbestos-Containing Materials (ACMs).....	1
2.2 Lead-Containing Paint.....	2
3 RECOMMENDATIONS.....	2
3.1 Asbestos-Containing Materials (ACMs).....	2
3.2 Lead-Containing Paint (LCP)	3

Supporting Data

Appendix A: PLM Bulk Sampling Information

PLM Bulk Sample Laboratory Data Sheets
PLM Bulk Sample Chain of Custody Documentation

Appendix B: Lead in Paint Chip Sampling Information

Paint Chip Laboratory Data Sheets
Paint Chip Chain of Custody Documentation

Appendix C: Certifications

©2020 PBS Engineering and Environmental Inc.

1 INTRODUCTION

1.1 Background

PBS Engineering and Environmental Inc. (PBS) performed a limited hazardous materials survey of 520 SW 102nd Street, in Seattle, Washington, for planned demolition. Accessible building areas included in the scope of work were inspected for the presence of asbestos-containing materials (ACMs) and lead-containing paint (LCP). The intent of this investigation is to ensure that King County Housing Authority (KCHA) is in compliance with applicable regulatory requirements that a "good faith inspection" for ACMs be performed prior to renovation activities.

1.2 Survey Process

Accessible areas of the structure included in the project scope were inspected by Asbestos Hazard Emergency Response Act (AHERA) certified building inspector Janet Murphy (Cert. No. IR-20-0000 Exp. 03/19/2021) on August 26, 2020.

When observed, suspect materials were sampled. All samples were assigned a unique identification number and transmitted for analysis to Seattle Asbestos Test, LLC (NVLAP # 201057-0) for analysis. All samples were analyzed by polarized light microscopy (PLM), which has a reliable limit of quantification of 1% asbestos by volume. Information regarding the type and location of sampled materials can be found on the attached PLM laboratory report located in Appendix A.

Destructive investigation was not performed to investigate inaccessible areas. Inaccessible areas are defined as those requiring selective demolition, fall protection, or confined-space entry protocols to gain access. While PBS has endeavored to identify concealed ACMs, additional unidentified materials may be present in concealed locations that were not accessed during this survey. Any materials encountered during renovation that have not been previously sampled should be sampled for asbestos content prior to impact.

1.3 Building Description

The structure is a single-story wood building with an attic. The building includes a kitchen, bedrooms, bathroom, living room, and porch on the back. Interior floor finishes include sheet vinyl and carpet. Walls consist of gypsum wallboard with and without texture. The building is heated by electric heaters. The building exterior has wood shingles, siding, and brick. Pipes in the attic have no insulation.

2 FINDINGS

2.1 Asbestos-Containing Materials (ACMs)

The following materials were sampled and contain **greater than >1% asbestos**.

- **Window Putty (Glazing Compound)** – exterior of all windows (approximately 300 LF)
- **Joint compound** associated with non-asbestos gypsum wallboard (**Composite Analysis <1%**)

The following materials were sampled and **do not** contain detectable asbestos:

- Yellow fiberglass insulation – in attic
- Dark and light gray fluffy insulation – in attic
- White sealant on window frames – exterior of house
- Gray door frame sealant – on exterior of house
- Gray brick and mortar – exterior of house
- 3-tab Shingles and vapor barrier – roof of house
- Black paper – under wood siding and shingles

- Black undercoat on sink – kitchen
- White sheet vinyl – in kitchen and bathroom
- White sheet vinyl under carpet – in living room
- Ceiling and wall texture – throughout

Refer to Appendix A for a complete listing of representative bulk sampling and associated laboratory analysis.

2.2 Lead-Containing Paint

Six (6) representative painted coatings were sampled for lead content. The samples were assigned a unique identification number and transmitted to EMSL Laboratories (AIHA-LAP IH #2845.09) in San Leandro, California, under chain-of-custody protocols for analysis using Flame Atomic Absorption (EPA 3051/7000B).

The following paint coatings were sampled and determined to contain detectable concentrations of lead.

- White Paint on Gypsum Wall, Living Room - 0.052% lead
- White Paint on Gypsum Wall, Kitchen – 0.040%
- White Paint on Wood Trim, Exterior – 0.20%
- Brown Paint on Wood Shingle, Exterior – 0.049%
- White Paint on Wood Window Frame, Exterior – 0.43%

The following painted coatings were sampled and determined **not** to contain detectable lead.

- Whit Paint on Gypsum Wall, Bathroom Ceiling - <0.0080%

Refer to Appendix B for additional information including sample locations and associated laboratory analysis.

3 RECOMMENDATIONS

3.1 Asbestos-Containing Materials (ACMs)

Materials containing asbestos were found within the work scope areas. PBS recommends that ACMs to be impacted by renovation or demolition activities be removed prior to construction or only be impacted by properly trained and protected personnel in accordance with applicable local, state, and federal regulations. A qualified asbestos abatement contractor licensed in the State of Washington should be employed for any removal and proper disposal of ACMs in accordance with all applicable local, state, and federal regulations.

Asbestos-containing joint compound associated with non-asbestos gypsum wallboard (GWB) assemblies were found throughout building. The composite analysis of the wallboard system is less than 1% asbestos. Wallboard systems containing less than 1% asbestos requires personnel impacting the material to adhere to regulatory requirements outlined in WAC 296-62-17712(2) and training as outlined in WAC 296-62-07722(5) and WAC 296-62-0728. Refer to WISHA Regional Directive 23.30 for additional information.

The possibility exist that suspect ACMs may be present in equipment, wall and ceiling cavities, and in select areas included in the scope of renovations. These may include, but are not limited to, pipe insulation, below slab components vapor barriers, and construction adhesives and wall mastics. In the event that suspect ACMs is uncovered during construction, contractors should stop work immediately and inform the owner promptly for confirmation testing. All untested materials should be presumed asbestos-containing or tested for asbestos content prior to impact.

3.2 Lead-Containing Paint (LCP)

Lead-containing paint was found within the work scope areas. Impact of paint with detectable concentrations of lead requires construction activities to be performed in accordance with the State of Washington Department of Labor and Industries (L&I) regulation for Lead in Construction (WAC 296-155-176).

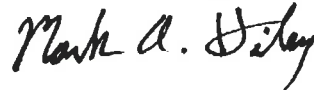
Paint coatings may exist in inaccessible areas of the building or in secondary coatings on building components. Any previously unidentified painted coatings should be considered lead containing until sampled and proven otherwise.

Report prepared by:



Janet Murphy
AHERA Building Inspector
Cert. # IR-20-000, Exp. 03/19/21

Report reviewed by:



Mark Hiley
Senior Project Manager

APPENDIX A

PLM Bulk Sampling Information

PLM Bulk Sample Laboratory Data Sheets

PLM Bulk Sample Chain of Custody Documentation

**520 SW 102nd St, Seattle, WA
King County Housing Authority
PLM ASBESTOS SAMPLE INVENTORY**

**PBS Engineering + Environmental
PBS Project #40573.208**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.208 -1	Yellow and tan insulation	Attic	Layer 1: Yellow fibrous material Layer 2: Tan/brown fibrous material	NAD NAD	SAT
40573.208 -2	Dark gray fluffy insulation	Attic	Layer 1: Dark gray fibrous material	NAD	SAT
40573.208 -3	Light gray and dark gray insulation	Attic	Layer 1: Light gray/light brown fibrous material Layer 2: Dark gray fibrous material	NAD NAD	SAT
40573.208 -4	Window putty	North exterior	Layer 1: Gray brittle material with paint	2% Chrysotile	SAT
40573.208 -5	Window putty	South exterior	Layer 1: Gray brittle material with paint	2% Chrysotile	SAT
40573.208 -6	White window frame sealant	North exterior	Layer 1: White soft/elastic material	NAD	SAT
40573.208 -7	White window frame sealant	West exterior	Layer 1: White soft/elastic material	NAD	SAT
40573.208 -8	Gray door frame sealant	North back door	Layer 1: Gray soft/elastic material	NAD	SAT
40573.208 -9	Gray brick and mortar	West exterior	Layer 1: Gray sandy/brittle material Layer 2: Dark gray sandy/brittle material	NAD NAD	SAT
40573.208 -10	Gray brick and mortar	South exterior	Layer 1: Gray sandy/brittle material	NAD	SAT
40573.208 -11	3-Tab shingle with gray granules 3-Tab shingle with gray/brown granules Tan paper	Roof	Layer 1: Black asphaltic material with sand Layer 2: Black asphaltic material with sand Layer 3: Black asphaltic fibrous material	NAD NAD NAD	SAT
40573.208 -12	Black paper vapor barrier	Under exterior shingles North	Layer 1: Black asphaltic fibrous material	NAD	SAT
40573.208 -13	White paint and black asphaltic paper	Under wood siding, North porch	Layer 1: Black asphaltic fibrous material with paint	NAD	SAT
40573.208 -14	Black coating on sink	Kitchen	Layer 1: Black soft/loose material	NAD	SAT
40573.208 -15	White sheet vinyl	Kitchen floor	Layer 1: Off-white sheet vinyl Layer 2: White fibrous material with mastic Layer 3: Trace gray brittle material	NAD NAD NAD	SAT

September 8, 2020

NAD - No Asbestos Detected

1 of 2

**520 SW 102nd St, Seattle, WA
King County Housing Authority**

**PBS Engineering + Environmental
PBS Project #40573.208**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.208 -16	White sheet vinyl and yellow mastic	Bathroom floor	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.208 -17	White sheet vinyl and yellow mastic	Living room floor under carpet	Layer 1: Off-white sheet vinyl Layer 2: White soft/elastic material Layer 3: Gray fibrous material with mastic	NAD NAD NAD	SAT
40573.208 -18	Composite joint compound and wallboard	Dining room	Layer 1: Tan powdery material with paint Layer 2: White chalky material with paper	3% Chrysotile NAD	SAT
40573.208 -19	Composite joint compound and wallboard	Kitchen	Layer 1: Trace white powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.208 -20	Plaster board	Southeast bedroom closet	Layer 1: Off-white powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.208 -21	Plaster board	Southeast bedroom closet	Layer 1: Off-white powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.208 -22	Plaster board	Southeast bedroom closet	Layer 1: Trace off-white powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.208 -23	Ceiling texture	Kitchen ceiling	Layer 1: White powdery material with paint	NAD	SAT
40573.208 -24	Ceiling texture	Bathroom ceiling	Layer 1: White powdery material with paint	NAD	SAT
40573.208 -25	Wall texture	Kitchen wall	Layer 1: Trace white powdery material with paint and paper	NAD	SAT
40573.208 -26	Wall texture	Northeast bedroom wall	Layer 1: Trace white powdery material with paint and paper	NAD	SAT
40573.208 -27	Wall texture	Southeast bedroom wall	Layer 1: Trace white powdery material with paint and paper	NAD	SAT
40573.208 -28	Wall texture	Bathroom wall	Layer 1: Trace white powdery material with paint and paper Layer 2: White chalky material with paper	NAD NAD	SAT
40573.208 -29	Wall texture	Living room wall	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT

SEATTLE ASBESTOS TEST, LLC

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

www.seattleasbestos.com, admin@seattleasbestos.com

Project Manager:	Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson	Date Analyzed:	8/28/2020
Client:	PBS Engineering and Environmental, Seattle	Client Job#:	40573.208
Address:	214 E Galer Street, Suite 300, Seattle, WA 98102	Project Location:	KCHA 520 SW 102nd St. Seattle, WA
Tel:	206.233.9639	Laboratory batch#:	202021115
		Samples Received:	29

Enclosed please find the test results for the bulk samples submitted to our laboratory for asbestos analysis. Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA - 40 CFR Appendix E of Part 763, Interim Method of Determination of Asbestos in Bulk Insulation Samples and Test Method US EPA/600/R-93/116.


Percentages for this report are done by visual estimate and relate to the suggested acceptable error ranges by the method. Since variation in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). Statistically, point counting is a more accurate method. If you feel a point count might be beneficial, please feel free to call and request one.

The test results refer only to the samples or items submitted and tested. The accuracy with which these samples represent the actual materials is totally dependent on the acuity of the person who took the samples. This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government. The test report or calibration certificate shall not be reproduced except in full, without written approval of the laboratory.

This report is highly confidential and will not be released without your consent. Samples are archived for 30 days after the analysis, and disposed of as hazardous waste thereafter.

Thank you for using our service and let us know if we can further assist you.

Sincerely



Steve (Fanyao) Zhang
President



20202115-M

LABORATORY CHAIN OF CUSTODY

SAT

Project: KCHA 520 SW 102nd St. Seattle WA

Project #: 40573.208

Analysis requested: PLM

Date: 8/26/20

Relinq'd by/Signature: Janet Murphy

Date/Time: 8/26/20

Received by/Signature: Carolyne Gyles

Date/Time: 8/26/20 15:57

Email ALL INVOICES to: seattleap@pbsusa.com

Email results to:

- Brian Stanford
- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Prudy Stoudt-McRae

- Cel Alvarez
- Janet Murphy
- Kaitlin Soukup
- Martin Estira
- Justin Day
- Claire Tsai

- Mike Smith
- Ferman Fletcher
- Holly Tuttle
- Ryan Hunter
- Michelle Dodson

TURN AROUND TIME:

- 1 Hour
- 2 Hours
- 4 Hours

- 24 Hours
- 48 Hours

- 3-5 Days
- Other 3 Days

SAMPLE DATA FORM

Sample #	Material	Location	Lab
1	Yellow and Tan Insulation	Attic	SAT
2	Dark Gray Fluffy Insulation	Attic	
3	Light Gray and Dark Gray Insulation	Attic	
4	Window Putty	N. Exterior	
5	Window Putty	S. Exterior	
6	White Window Frame Sealant	N. Exterior	
7	" "	W. Exterior	
8	Gray Door Frame Sealant	N. Back Door	
9	Gray Bricks and Mortar	W. Exterior	
10.	Gray Brick	S. Exterior	
11.	3 Tab Shingle with Gray Granules	Roof	
	3 Tab Shingle with Gray and Brown Granules		
	Tar Paper		
12.	Black Paper Vapor Barrier	Under Exterior Shingles N.	
13.	White Paint and Black Asphaltic Paper	Under Wood Siding North Porch.	Y



202021115-M

SAT

LABORATORY CHAIN OF CUSTODY

Project: KCHA 520 SW 102nd St. Seattle WA

Project #: 40573.208

Analysis requested: PLM

Date: 8/26/20

Relinquished by/Signature: Janet Murphy

Date/Time: 8/26/20

Received by/Signature: Carmen Lee Anjo

Date/Time: 8/26/20 15:57

Email ALL INVOICES to: seattleap@pbsusa.com

Email results to:

- Brian Stanford
- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Prudy Stoudt-McRae

- Cel Alvarez
- Janet Murphy
- Kaitlin Soukup
- Martin Estira
- Justin Day
- Claire Tsai

- Mike Smith
- Ferman Fletcher
- Holly Tuttle
- Ryan Hunter
- Michelle Dodson

TURN AROUND TIME:

- 1 Hour
- 2 Hours
- 4 Hours

- 24 Hours
- 48 Hours

- 3-5 Days
- Other 3 days

SAMPLE DATA FORM

Sample #	Material	Location	Lab
14.	Black Coating on Sink	kitchen	SAT
15.	White Sheet Vinyl	kitchen Floor	
16.	White Sheet Vinyl and yellow mastic	Bathroom Floor	
17.	White Sheet Vinyl and yellow mastic	Living Room Floor under Carpet	
18.	Composite Joint Compound and wall board	Dinning Room	
19.	"	kitchen	
20.	Plaster Board	SE Bedroom Closet	
21.	Plaster Board	SE Bedroom Closet	
22.	Plaster Board	SE Bedroom Closet	
23.	Ceiling Texture	kitchen Ceiling	
24.	Ceiling Texture	Bathroom Ceiling	
25.	Wall Texture	kitchen Wall	
26.	Wall Texture	NE Bedroom Wall	
27.	Wall Texture	SE Bedroom Wall	
28.	Wall Texture	Bathroom Wall	
29.	Wall Texture	Living Room Wall	

SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 9th Ave, NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
Attn: Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.208
Batch#: 202021115
Date Received: 8/26/2020
Samples Rec'd: 29
Date Analyzed: 8/28/2020
Samples Analyzed: 29
Project Loc.: KCHA 520 SW 102nd St. Seattle, WA
Rev. Code: DH45B

Analyzed by:  Carolyn Yeo
 Reviewed by:  Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	1	1	Yellow fibrous material		None detected	Filler	89	Glass fibers
		2	Tan/brown fibrous material		None detected	Filler	80	Cellulose
2	2	1	Dark gray fibrous material		None detected	Filler, Glass beads	84	Glass fibers
3	3	1	Light gray/light brown fibrous material		None detected	Filler	85	Cellulose
		2	Dark gray fibrous material		None detected	Filler, Glass beads	91	Glass fibers
4	4	1	Gray brittle material with paint	2	Chrysotile	Binder, Filler, Paint	2	Cellulose
5	5	1	Gray brittle material with paint	2	Chrysotile	Binder, Filler, Paint	3	Cellulose
6	6	1	White soft/elastic material		None detected	Binder, Filler	2	Cellulose
7	7	1	White soft/elastic material		None detected	Binder, Filler	2	Cellulose
8	8	1	Gray soft/elastic material		None detected	Binder, Filler	3	Cellulose
9	9	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	2	Cellulose
		2	Dark gray sandy/brittle material		None detected	Sand, Filler, Binder	2	Cellulose
10	10	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	2	Cellulose
11	11	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	28	Glass fibers
		2	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	25	Glass fibers
		3	Black asphaltic fibrous material		None detected	Asphalt/binder, Filler	62	Cellulose, Glass fibers
12	12	1	Black asphaltic fibrous material		None detected	Asphalt/binder, Filler	67	Cellulose
13	13	1	Black asphaltic fibrous material with paint		None detected	Asphalt/binder, Filler, Paint	69	Cellulose
14	14	1	Black soft/loose material		None detected	Filler, Fine particles	2	Cellulose
15	15	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	White fibrous material with mastic		None detected	Binder/filler, Mastic/binder	61	Cellulose

SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111; Fax: 206.633.4747, NVLAP Lab Code: 201057-D

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
 Client: PBS Engineering and Environmental, Seattle
 Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Job#: 40573.208
 Batch#: 202021115
 Date Received: 8/26/2020
 Samples Rec'd: 29
 Date Analyzed: 8/28/2020
 Samples Analyzed: 29
 Rev. Code: DH45B
 Project Loc: KCHA 520 SW 102nd St. Seattle, WA

Analyzed by: *Carolyn Yao*
 Reviewed by: *Shawn (Enyao) Zhang, President*

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
15	15	3	Trace gray brittle material		None detected	Binder, Filler	3	Cellulose
16	16	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
17	17	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	White soft/elastic material		None detected	Binder, Filler	2	Cellulose
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	69	Cellulose
18	18	1	Tan powdery material with paint	3	Chrysotile	Binder, Filler, Paint	2	Cellulose
	Composite result >1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose, Glass fibers
19	19	1	Trace white powdery material with paint		None detected	Binder, Filler, Paint	3	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
20	20	1	Off-white powdery material with paint	2	Chrysotile	Binder, Filler, Paint	2	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	27	Cellulose, Glass fibers
21	21	1	Off-white powdery material with paint	2	Chrysotile	Binder, Filler, Paint	2	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose, Glass fibers
22	22	1	Trace off-white powdery material with paint	2	Chrysotile	Binder, Filler, Paint	2	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	23	Cellulose, Glass fibers
23	23	1	White powdery material with paint		None detected	Binder, Filler, Paint	2	Cellulose
24	24	1	White powdery material with paint		None detected	Binder, Filler, Paint	2	Cellulose
25	25	1	Trace white powdery material with paint and paper		None detected	Binder, Filler, Paint	20	Cellulose
26	26	1	Trace white powdery material with paint and paper		None detected	Binder, Filler, Paint	18	Cellulose

SEATTLE ASBESTOS TEST

Seattle Laboratory: 4500 8th Ave. NE, Suite 300, Seattle, WA 98105, Tel: 206.633.1111, Fax: 206.633.4747, NVLAP Lab Code: 201057-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVI AP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Attn.: Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.208
Batch#: 202021115
Date Received: 8/26/2020
Sample Rec'd: 29
Date Analyzed: 8/28/2020
Samples Analyzed: 20
Rev. Code: QH45B
Project Loc.: KCHA 520 SW 102nd St. Seattle, WA

Analyzed by: Carolyn Yen
 Reviewed by: Steve (Frank) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
27	27	1	Trace white powdery material with paint and paper		None detected	Binder, Filler, Paint	21	Cellulose
28	28	1	Trace white powdery material with paint and paper		None detected	Binder, Filler, Paint	21	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	27	Cellulose
29	29	1	White powdery material with paint		None detected	Binder, Filler, Paint	2	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	23	Cellulose

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768 and 201057

19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel:425.673.9850, Fax:425.673.9810
4500 9th Ave., NE, Suite 300, Seattle, WA 98105
Website:www.seattleasbestosest.com, Email:admin@seattleasbestosest.com

PLM by Point Count (400 points)

Attention: Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Client Job #: 40573.208
Laboratory Batch #: 202021190
Date Received: 9/3/2020
Samples Received: 2
Date Analyzed: 9/4/2020

Project: KCHA 520 SW 102nd St. Seattle, WA

Sample Requested for Point Count 4

Previous Analytical Information

Previously Analyzed by: Carolyn Yeo
Previous Batch #: 202021115
Previous Lab ID: 4
Previous Description: Gray brittle material with paint
Layer to be Point Counted: 1
Asbestos Type Found: Chrysotile
Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 1

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	1	49	50
Slide 3	1	49	50
Slide 4	0	50	50
Slide 5	1	49	50
Slide 6	0	50	50
Slide 7	1	49	50
Slide 8	1	49	50
Total	5	395	400

Point Count Summary Results

Type of Asbestos: Chrysotile
Percentage of Asbestos: 1.25%

Analyzed By: Carolyn Yeo



Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768 and 201057

19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel:425.673.9850, Fax:425.673.9810
4500 9th Ave., NE, Suite 300, Seattle, WA 98105
Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mr. Mark Hiley, Ms. Janet Murphy, Ms. Michelle Dodson
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Client Job #: 40573.208
Laboratory Batch #: 202021190
Date Received: 9/3/2020
Samples Received: 2
Date Analyzed: 9/4/2020

Project: KCHA 520 SW 102nd St. Seattle, WA

Sample Requested for Point Count 5

Previous Analytical Information

Previously Analyzed by: Carolyn Yeo
Previous Batch #: 202021115
Previous Lab ID: 5
Previous Description: Gray brittle material with paint
Layer to be Point Counted: 1
Asbestos Type Found: Chrysotile
Asbestos Percentage Found: 2

Point Count Analytical Procedures


New Lab ID: 2

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	1	49	50
Slide 2	1	49	50
Slide 3	0	50	50
Slide 4	1	49	50
Slide 5	0	50	50
Slide 6	0	50	50
Slide 7	1	49	50
Slide 8	1	49	50
Total	5	395	400

Point Count Summary Results

Type of Asbestos: Chrysotile
Percentage of Asbestos: 1.25%

Analyzed By: Carolyn Yeo



Reviewed by: Steve Zhang, President

APPENDIX B

Lead in Paint Sampling Information
Paint Chip Laboratory Data Sheets
Paint Chip Chain of Custody Documentation

520 SW 102nd St, Seattle, WA
King County Housing Authority

PBS Engineering + Environmental
PBS Project #40573.208

AA LEAD PAINT CHIP SAMPLE INVENTORY

<u>PBS Sample #</u>	<u>Paint Color / Component or Substrate</u>	<u>Sample Location</u>	<u>Results (mg/kg)</u>	<u>Results (%)</u>	<u>Lab</u>
40573.208 -Pb1	White / Gypsum wallboard / Wall	Living room	520	0.052	EMSL
40573.208 -Pb2	White / Gypsum wallboard / Wall	Kitchen	400	0.040	EMSL
40573.208 -Pb3	White / Gypsum wallboard / Wall	Bathroom ceiling	<80	<0.0080	EMSL
40573.208 -Pb4	White / Wood / Trim	Exterior	2000	0.20	EMSL
40573.208 -Pb5	Brown / Wood / Shingle	Exterior	490	0.049	EMSL
40573.208 -Pb6	White / Wood / Window frame	Exterior	4300	0.43	EMSL

September 8, 2020

mg/kg = Milligrams per kilogram
< = Less than the Limit of Detection

1 of 1

092014689



LABORATORY CHAIN OF CUSTODY

EMSL

Project: KCHA 520 SW 102nd St. Seattle WA

Project #: 40573.208

Analysis requested: AAS Lead

Date: 8/26/20

Relinqu'd by/Signature: Gary Murphy

Date/Time: 8/26/20

Received by/Signature: _____

Date/Time: _____

Email ALL INVOICES to: seattleap@pbsusa.com

Email results to:

- Brian Stanford
- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Prudy Stoudt-McRae

- Cel Alvarez
- Janet Murphy
- Kaitlin Soukup
- Martin Estira
- Justin Day
- Claire Tsai

- Mike Smith
- Ferman Fletcher
- Holly Tuttle
- Ryan Hunter
- Michelle Dodson

TURN AROUND TIME:

- 1 Hour
- 2 Hours
- 4 Hours

- 24 Hours
- 48 Hours

- 3-5 Days
- Other 3 Days

SAMPLE DATA FORM

Sample #	Material	Location	Lab
P61	white / GWB / wall	Living Room	EMSL
P62	white / GWB / wall	Kitchen	
P63	white / GWB / wall	Bathroom Ceiling	
P64	white / wood / Trim	Exterior	
P65	Brown / wood / Shingle	Exterior	
P66	white / wood / window Frame	Exterior	

Jamy Gledex (2) 8/27/20 10:15 AM
795799099547

**EMSL Analytical, Inc**

464 McCormick Street, San Leandro, CA 94577
 Phone/Fax: (510) 895-3675 / (510) 895-3680
<http://www.EMSL.com> sanleandrolab@emsl.com

EMSL Order: 092014689
 CustomerID: PBSE51
 CustomerPO:
 ProjectID:

Attn: **Mark Hiley**
PBS Engineering & Environmental, Inc.
214 East Galer St, Suite 300
Seattle, WA 98102

Phone: (206) 233-9639
 Fax: (206) 762-4780
 Received: 8/27/2020 10:15 AM
 Collected: 8/26/2020

Project: **KCHA 520 SW 102ND ST SEATTLE, WA; 40573.208**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
PB1	092014689-0001	8/26/2020	8/28/2020	0.2684 g	0.052 % wt
Site: WHITE GWB WALL LIVING ROOM					
PB2	092014689-0002	8/26/2020	8/28/2020	0.2536 g	0.040 % wt
Site: WHITE GWB WALL KITCHEN					
PB3	092014689-0003	8/26/2020	8/28/2020	0.2777 g	<0.0080 % wt
Site: WHITE GWB WALL BATHROOM CEILING					
PB4	092014689-0004	8/26/2020	8/28/2020	0.2653 g	0.20 % wt
Site: WHITE WOOD TRIM EXTERIOR					
PB5	092014689-0005	8/26/2020	8/28/2020	0.252 g	0.049 % wt
Site: BROWN WOOD SHINGLE EXTERIOR					
PB6	092014689-0006	8/26/2020	8/28/2020	0.2582 g	0.43 % wt
Site: WHITE WOOD WINDOW FRAME EXTERIOR					

Julian Neagu, Lead Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request. Samples analyzed by EMSL Analytical, Inc San Leandro, CA A2LA Accredited Environmental Testing Cert #2845.09

Initial report from 08/28/2020 17:41:37

APPENDIX C

Certifications

THIS IS TO CERTIFY THAT

JANET MURPHY
HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE
for
ASBESTOS INSPECTOR REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR



Course Date: 03/19/2020
Course Location: Portland, OR
Certificate: IR-20-0000

4-Hour AHERA Inspector Refresher
Training; AHERA is the Asbestos Hazard
Emergency Response Act enacting Title II
of Toxic Substance Control Act (TSCA)

Expiration Date: 03/19/2021

For verification of the authenticity of this
certificate contact:
PBS Environmental
4412 SW Corbett Avenue
Portland, OR 97239
(503) 248-1939

A handwritten signature in black ink that reads 'Andy Fridley'.

Andy Fridley, Instructor