ADDENDUM No.1

August 15, 2024

NOTICE TO BIDDERS OF:
Building 2 Roofing Replacement - Sedro Woolley FMS
Washington Military Department
Project No: 2023-630 G (1-1)

The bid date and time remain unchanged. Submit bids prior to 2:00 pm on August 22, 2024, as identified in Advertisement for Bids.

Incorporate the following revisions to the Project Manual and Contract Drawings:

REVISE THE **PROJECT MANUAL** AS FOLLOWS:

1.001 **Section 07 4113 - Metal Roof Panels**
ADD new paragraph 2.06-D as follows:

"D. Splash Blocks: Provide precast concrete splash block below each downspout.
1. Description: Manufacturer's standard product, intended to direct water away from building foundations, with raised sides and back.
2. Concrete: Minimum 3,000 psi at 28 days, with minimum 5 percent air entrainment.
3. Dimensions: 3" high x 12" wide x 24" long, nominal."

REVISE THE **DRAWINGS** AS FOLLOWS:

1.002 **Drawing A1.00 - Title Sheet, Roof Plan & Details**
a. **ADD** note to West Elevation 4/A1.00, pointing to gable vent and stating *"GABLE VENT: BLOCK FROM INTERIOR WITH 1/2" PLYWOOD, TYP. EACH END. ACCESS ATTIC THROUGH HATCH IN BUILDING INTERIOR."*

THE FOLLOWING **PRODUCT MANUFACTURER SUBSITUTIONS** ARE ACCEPTED IN ACCORDANCE WITH SECTION 01 2500.

Bidders are reminded that by bidding these substitutions, they are subject to the provisions of Article 3.01 and review of full submittals:

1.003 **Section 07 4113 - Metal Roof Panels**
ADD the following approved manufacturer and product through new Subparagraph 2.01-A-5:

"5. Breyer Company; TBC-Ultra: www.thebreyercompany.com."

THE FOLLOWING **CLARIFICATIONS** RESPOND TO BIDDER QUESTIONS OR ITEMS DISCUSSED AT THE PRE-BID WALK-THROUGH.

1.004 Hazardous Materials: The Owner has tested existing roofing shingles and underlayment for the presence of asbestos, and paint on eave and rake trim for the presence of lead. No hazardous materials were detected. See Hazardous Materials Survey Report by PBS, attached.

1.005 WMD Project Manager Sachin Saldanha noted that all mail sent by USPS is first processed at Joint Base Lewis McChord before being delivered to Camp Murray. This adds time to the delivery process. He suggested for those bidders intending to send bids by mail that they use FedEx or UPS.

1.006 Q: How will wood deterioration be dealt with?

A: Replacement of deteriorated wood will be addressed as a unforeseen condition if encountered.

This addendum shall be attached to and become part of the work and shall be acknowledged on your BID FORM.

Enclosures: Hazardous Materials Survey Report (16 sheets)
Pre-Bid Walk-Through Sign-in Sheet (1 sheet)

Distribution: ARC Document Solutions Seattle, for distribution

END OF ADDENDUM NO. 1

Hazardous Materials Survey Report

Sedro Wooley FMS 3
Building 2 Roof Replacement
1805 Thompson Drive
Sedro-Wooley, WA 98284

Prepared for:
Starling Whitehead Lux Architects
901 5th Avenue, #3100
Seattle, WA 98164

August 8, 2024
PBS Project No. 40884.029

PBS
AN APEX COMPANY
214 EAST GALER STREET
SUITE 100
SEATTLE, WA 98102
206.233.9639 MAIN
866.727.0140 FAX
PBSUSA.COM

TABLE OF CONTENTS

APPENDICES

1 INTRODUCTION

1.1 Project Background

PBS Engineering and Environmental, Inc. (PBS) performed a limited hazardous materials survey of FMS-3 Garage (Building 2) Roof located in Sedro-Wooley, Washington. The intent of this investigation is to ensure compliance with applicable regulatory requirements that a "good faith inspection" for ACMs be performed prior to renovations.

All accessible areas associated with the planned work were inspected for the presence of asbestos-containing materials (ACMs) and lead-containing paint (LCP), PBS's understanding of the scope of work is based on email communications with Starling Whitehead Lux Architects. It is our understanding that the work will include re-roofing of the Garage building (Building 2).

1.2 Building Description

Building 2 is a single-story structure, measuring approximately 1,000 square feet. Exterior finishes of the areas included in the scope of work consist of 3-tab shingle roofing system with black vapor barrier and white painted wood facia trim.

1.2 Survey Process

Accessible areas included in FMS-3 Garage Roof Replacement project scope were inspected by AHERA Certified Building Inspector Toan Nguyen (Cert. No. IRO-24-9206B) Exp. 3/20/2025) on August 1st, 2024. PBS endeavored to inspect all accessible areas within the scope of work. Inaccessible areas consist of those requiring selective demolition, fall protection, or confined space entry protocols in order to gain access.

When observed, suspect materials were sampled, or presumed to contain asbestos. Two (2) bulk samples were collected of suspect asbestos-containing materials as part of this investigation. All samples were assigned a unique identification number and transmitted for analysis to NVL Laboratories Inc. (NVLAP #102063-0) under chain-of-custody protocols. Samples were analyzed according to EPA Method 600R-93/116 using 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 Sample Inventory.

Suspect ACMs may exist in inaccessible areas of the building. PBS endeavored to determine the presence and estimate the condition of suspect materials in all accessible areas. While PBS has endeavored to identify the ACM that may be found in concealed locations, additional unidentified ACM may exist.

2 FINDINGS

2.1 Asbestos-Containing Materials (ACMs)

- **None of the materials sampled during this survey were found to contain greater than 1% asbestos.**

Non-Asbestos Materials

The following materials were sampled and found **not** to contain asbestos.

- Asphaltic shingles and associated black vapor barrier – Roof

Refer to Appendix A for a complete list of PLM bulk samples and associated laboratory analysis.

2.2 Lead-Containing Paint (LCP)

Three (3) representative painted coatings were sampled for lead content during this survey. The samples were assigned a unique identification number and transmitted to NVL Laboratories (AIHA IH #101861) in Seattle, Washington under chain-of-custody protocols for analysis using Flame Atomic Absorption.

None of the paint samples collected contained detectable lead.

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

- White paint on wooden facia trim – east elevation
- Red paint on metal storm gutter – north elevation
- Red paint on metal downspout - north elevation

3 RECOMMENDATIONS

3.1 Asbestos-Containing Materials (ACMs)

No materials were found to contain asbestos during this survey. The possibility exists that suspect ACM may be present in equipment, wall and ceiling cavities, and in select areas included in the scope. 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 ACM is uncovered during demolition, 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)

Representative painted coatings were not found to contain detectable lead. Painted 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:

Mark Hiley
Senior Project Manager

APPENDIX A

PLM Asbestos Bulk Sampling Information

PLM Asbestos Bulk Sample Inventory

PLM Asbestos Bulk Sample Laboratory Data Sheets

Chain of Custody

August 5, 2024

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Mark Hiley
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2413739.00

Client Project: 40884.029
Location: WMD FMS-3, Bldg. 2 Roof

Dear Mr. Hiley,

Enclosed please find test results for the 2 sample(s) submitted to our laboratory for analysis on 8/1/2024.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with **U. S. EPA 40 CFR Appendix E to Subpart E of Part 763**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116**, Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Hilary Crumley, Manager Asbestos Laboratory

NVLAP
Testing
Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: Mr. Mark Hiley
Project Location: WMD FMS-3, Bldg. 2 Roof

Batch #: 2413739.00
Client Project #: 40884.029
Date Received: 8/1/2024
Samples Received: 2
Samples Analyzed: 2
Method: EPA/600/R-93/116

Lab ID: 24081889 **Client Sample #: 40884.029-PLM01**

Location: WMD FMS-3, Bldg. 2 Roof

Layer 1 of 2 **Description:** Black asphaltic material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Fine grains	Glass fibers 44%	**None Detected ND**
Granules		

Layer 2 of 2 **Description:** Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Fine grains	Cellulose 75%	**None Detected ND**

Lab ID: 24081890 **Client Sample #: 40884.029-PLM02**

Location: WMD FMS-3, Bldg. 2 Roof

Layer 1 of 2 **Description:** Black asphaltic material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Fine grains	Glass fibers 39%	**None Detected ND**
Granules		

Layer 2 of 2 **Description:** Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Fine grains	Cellulose 79%	**None Detected ND**

Sampled by: Client
Analyzed by: Ghulam Nazari **Date:** 08/01/2024
Reviewed by: Hilary Crumley **Date:** 08/05/2024

Hilary Crumley, Manager Asbestos Laboratory

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2413739.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 2 Days **Rush TAT**	**AH** No
Project Manager	Mr. Mark Hiley	**Due Date** 8/5/2024	**Time** 11:40 AM
Phone	(206) 233-9639	**Email**	mark.hiley@pbsusa.com
Office:	(800) 628-9639	**Fax**	(866) 727-0140

Project Name/Number: 40884.029 **Project Location:** WMD FMS-3, Bldg. 2 Roof

Subcategory PLM Bulk

Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 2 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24081889	40884.029-PLM01		A
2	24081890	40884.029-PLM02		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	8/1/24	1140
Analyzed by	Ghulam Nazari		NVL	8/1/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 8/1/2024
Time: 11:45 AM
Entered By: Kelly AuVu

PBS

LABORATORY C 2413739

Project: WMD FMS-3, Bldg 2 Roof **Project #:** 40884.029 Page 1 of 1

Analysis requested: PLM **Date:** 8/1/24

Relinq'd by/Signature: Toan Nguyen **Date/Time:** 8/1/24

Received by/Signature: Kelly Aeu & NM **Date/Time:** 8/1/24 1140

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☒ Mark Hiley
- ☐ Ryan Hunter
- ☐ Claire Tsai
- ☐ Janet Murphy
- ☒ Toan Nguyen
- ☐ Peter Stensland
- ☐ Ferman Fletcher
- ☐ Cameron Budnick
- ☐ Nick San
- ☐ Kameron DeMonnin
- ☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 24 Hours
- ☒ 48 Hours
- ☐ 3-5 Days
- ☐ Other_____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40884.029-PLM01	Roof shingle + black vapor barrier	Bldg 2 (oil storage), north elevation	NVL
-PLM02	Roof shingle + black vapor barrier	Bldg 2 (oil storage), south elevation	

APPENDIX B

AA Lead Paint Chip Sampling Information

AA Lead Paint Chip Bulk Sample Inventory

AA Lead Paint Chip Sample Laboratory Data Sheets

Chain of Custody

August 2, 2024

Mark Hiley
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2413738.00

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <paint>
Item Code: FAA-02

Client Project: 40884.029
Location: WMD FMS-3, Bldg. 2 Roof

Dear Mr. Hiley,

NVL Labs received 3 sample(s) for the said project on 8/1/2024. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Aaron Brown, Laboratory Analyst

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: **Mr. Mark Hiley**
Project Location: WMD FMS-3, Bldg. 2 Roof

Batch #: 2413738.00
Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 40884.029
Date Received: 8/1/2024
Samples Received: 3
Samples Analyzed: 3

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
24081886	40884.029-FAA01	0.0072	1400	< 1400	<0.14
24081887	40884.029-FAA02	0.0031	3200	< 3200	<0.32
24081888	40884.029-FAA03	0.0669	150	< 150	<0.015

Comments: Small sample size (<0.05g) for most of the samples.

Sampled by: Client
Analyzed by: Yasuyuki Hida
Reviewed by: Aaron Brown
Date Analyzed: 08/01/2024
Date Issued: 08/02/2024

Aaron Brown, Laboratory Analyst

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2024-0801-02
FAA-02

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2413738.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 2 Days	**AH** No
		Rush TAT	
Project Manager	Mr. Mark Hiley	**Due Date** 8/5/2024	**Time** 11:40 AM
Phone	(206) 233-9639	**Email**	mark.hiley@pbsusa.com
Office:	(800) 628-9639	**Fax**	(866) 727-0140

Project Name/Number: 40884.029 **Project Location:** WMD FMS-3, Bldg. 2 Roof

Subcategory Flame AA (FAA)

Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 3 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24081886	40884.029-FAA01		A
2	24081887	40884.029-FAA02		A
3	24081888	40884.029-FAA03		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	8/1/24	1140
Analyzed by	Yasuyuki Hida		NVL	8/1/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 8/1/2024
Time: 11:42 AM
Entered By: Kelly AuVu

PBS

LABORATORY 2413738

Project: WMD FMS-3, Bldg 2 Roof **Project #:** 40844.029 Page 1 of 1

Analysis requested: FAA - Lead **Date:** 8/1/24

Relinq'd by/Signature: Toan Nguyen **Date/Time:** 8/1/24

Received by/Signature: Kellyann Lee **Date/Time:** 8/1/24 1140

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- [ ] Willem Mager
- [ ] Gregg Middaugh
- [x] Mark Hiley
- [ ] Ryan Hunter
- [ ] Claire Tsai
- [ ] Janet Murphy
- [ ] Toan Nguyen
- [ ] Peter Stensland
- [ ] Ferman Fletcher
- [ ] Cameron Budnick
- [ ] Nick San
- [ ] Kameron DeMonnin
- [ ] _____

TURN AROUND TIME:

- [ ] 1 Hour
- [ ] 2 Hours
- [ ] 4 Hours
- [ ] 24 Hours
- [x] 48 Hours
- [ ] 3-5 Days
- [ ] Other_____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40844.029-FAA01	Red paint on metal storm gutter	Bldg 2 - South elevation	NVL
-FAA02	Red paint on metal downspout	Bldg 2 - South elevation	
-FAA03	White paint on wood facia trim	Bldg 2 - east elevation	

APPENDIX C

Certifications

THIS IS TO CERTIFY THAT

TOAN NGUYEN

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ONLINE AHERA ASBESTOS INSPECTOR REFRESHER

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

Course Date: 03/20/2024

Course Location: Online

Certificate: IRO-24-9206B

CCB #SRA0615 4-Hr Training

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

Expiration Date: 03/20/2025

For verification of the authenticity of this certificate contact:
PBS Engineering and Environmental Inc.
4412 S Corbett Avenue
Portland, OR 97239
503.248.1939

Andy Fridley, Instructor

SWL ARCHITECTS
STARLING WHITEHEAD & LUX
901 FIFTH AVE NO 3100
SEATTLE, WA 98164
206-682-8300
SWLARCHITECTS.COM

PRE-BID WALK-THROUGH – SIGN-IN SHEET

Date/Time: August 6, 2024 / 9:00 AM

Project Name: **Building 2 Roofing Replacement – Sedro Woolley FMS**
Owner: Washington Military Department
Project No.: 2023-630 G (1-1)
Location: Sedro Woolley FMS

	Name	Representing	Email	Phone
1.	LUCAS FREEMAN	BEACON	LUCAS.FREEMAN@BECN.COM	(360) 503-9894
2.	Spencer Woods-Coston	Beacon	Spencer.WoodsCoston@becn.com	425-626-0837
3.	Bob Deaton	Tornado Roofing	Bob@TornadoRoofs.com	253-653-6018
4.	Mackenzie Henderson	Masterwork Roofing	masterworkroofing@msn.com	3607883168
5.	CHRIS CAMERON	OLYMPIC ROOFING	CHRIS@OLYMPICROOFINGLLC.COM	253 486 0383
6.	Thomas Fortier	Valdez Construction	TFortier@Valdezco.com	360-708-8654
7.	MARTIN PETERS	SQI ROOFING	MARTY@SQIINC	360-378-0115
8.	Christopher Toliver	Valdez	Christopher.Toliver35@gmail.com	360-499-1492
9.	SACHIN SALDANHA	WMD	SACHIN.SALDANHA@MIL.WA.GOV	2535128404
10.	Michael Brann	Axthelm	mbrann@axthelmconstruction.com	360-333-9645
	Ross Whitehead	SWL Architects	whitehead@swlarchitects.com	206.682.8300