



ALTA  
ENVIRONMENTAL

## LIMITED ASBESTOS SURVEY

15526-15544 Plummer Street  
North Hills, California

### Prepared for:

Pacific Coast Charter School Development  
600 Wilshire Boulevard, Suite 200  
Los Angeles, California, 90017

Project No.: PCCD-21-10578

Date: February 2, 2022

### Alta Environmental

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## EXECUTIVE SUMMARY

On January 26, 2022, NV5/Alta Environmental (NV5) conducted a limited asbestos survey at 15526-15544 Plummer Street, North Hills, California 91343. NV5's Certified Site Surveillance Technician conducted the following activities to document the project:

- Initial investigation to locate suspect asbestos-containing materials;
- Physical assessment of suspect materials;
- Documentation and collection of bulk samples from suspect materials; and
- Laboratory analysis of all collected samples.

**NV5 was not permitted to conduct destructive sampling on the interior of the residence as was not given access to the interior of the northeast shed. Materials found should be assumed to be asbestos containing until sampled.**

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**REPORTED:** February 2, 2022

**PROJECT NO.:** PCCD-21-10578

**CLIENT:** Pacific Coast Charter School Development  
600 Wilshire Boulevard, Suite 200  
Los Angeles, California 90017

**ATTENTION:** Ms. Sherise Henderson

**REF:** Limited Asbestos Survey  
15526-15544 Plummer Street  
North Hills, California 91343

## 1 INTRODUCTION

On January 26, 2022, NV5/Alta Environmental (NV5) conducted a Limited Asbestos Survey for the presence of asbestos-containing materials (ACM) at 15526-15544 Plummer Street, located in North Hills, California.

## 2 PROJECT BACKGROUND

Pacific Coast Charter School Development located in Los Angeles, California, retained NV5 for this investigation. Gustavo Sanchez, a Cal/Osha Certified Site Surveillance Technician under the direction of Eric Fleming, a Cal/OSHA Certified Asbestos Consultant, both EPA-accredited Building Inspectors employed by NV5, conducted the sampling.

**At the time of the investigation NV5 was not permitted to conduct destructive sampling on the interior of the residence as was not given access to the interior of the northeast shed**

## 3 SCOPE OF WORK

The survey included the following:

- Initial investigation to locate suspect ACM;
- Physical assessment of suspect materials;
- Documentation and collection of bulk samples from suspect materials; and
- Laboratory analysis of all collected samples.

## 4 FIELD AND ANALYTICAL METHODOLOGY

The sampling was conducted using guidelines set forth in the Federal Register, *40 CFR Part 763*.

Bulk samples collected from the subject site were subsequently analyzed by polarized light microscopy (PLM) for asbestos content in accordance with the United States Environmental Protection Agency's

(USEPA) *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, July 1993*, at AQ Environmental Laboratories, a laboratory accredited by the National Voluntary Laboratory Accreditation Program and located in Signal Hill, California.

Based on the requirements of the USEPA as set forth in *40 CFR 763*, a homogeneous area is defined as “an area of surfacing material, thermal system insulation material or miscellaneous material that is uniform in color and texture.” Furthermore, the regulation requires that a minimum number of samples be collected from each identified homogeneous area. If one sample in a homogeneous area is found to contain asbestos, the entire homogeneous area is considered to be asbestos-containing.

It is possible that one sample out of a set of samples collected from a homogeneous area can be positive for asbestos and the remaining samples in the homogeneous area are negative. However, the entire area must be considered as asbestos-containing.

Caution is advised in interpreting results provided herein.

Materials consistently shown to contain asbestos, such as asbestos-cement products, may be assumed by the inspector to contain ACM.

No destructive testing was conducted, including the opening of otherwise inaccessible wall spaces, pipes, service chases, or other areas not immediately accessible without demolition. Such inaccessible areas were not inspected or sampled.

Areas or materials that were inaccessible during the survey are so noted on the inspector’s field survey notes.

If renovation or demolition plans will impact areas or materials not previously inspected or sampled, inspection and sampling must occur, per requirements of the South Coast Air Quality Management District.

## 5 BULK SAMPLE RESULTS

The following materials were found to be asbestos-containing.

<b>Material</b>	<b>Sample No.</b>	<b>Material Location</b>	<b>Asbestos Content</b>
Black penetration mastic	21 – 23	Roof penetrations	6% - 8% chrysotile

The results for all other materials sampled were reported as “none detected,” based on the limitations of the analytical method. Please refer to the Material Inventory (Appendix A) for a complete listing of materials sampled, locations, and material conditions.

## **5.1 Interpretation of Sample Results**

If any materials were found to contain more than one percent asbestos by weight as determined by the PLM method of analysis, the EPA mandates that the material(s) be treated as ACM, subject to regulation under *40 CFR 61*.

All repair and/or removal work and subsequent disposal should be performed by a licensed asbestos abatement contractor prior to any disturbance of any materials determined to contain asbestos.

For the ACM identified in this report, dry sawing, sanding or drilling should be avoided. Additional suspect materials may be exposed during demolition and/or renovation activities; such materials should be sampled and analyzed prior to further disturbance.

## **5.2 Inaccessible Areas/Other Limitations**

Inaccessible areas/locations were found during this survey. During the time of the inspection, the residence was currently occupied, and the homeowner would not permit destructive sampling. Additionally, NV5 was not given access to the interior of the northeast shed.

## **6 CONCLUSIONS AND RECOMMENDATIONS**

Any damaged asbestos materials should be removed, repaired, encapsulated, or enclosed. The EPA also recommends that all asbestos materials be removed prior to any renovation or demolition activities that may impact the materials. The EPA recommends that a proactive, in-place management program be enacted whenever asbestos is discovered in a building. Asbestos materials that are not damaged may be managed in place with a good operations and maintenance program.

## **7 ASSUMPTIONS AND LIMITATIONS**

This report was prepared exclusively for use by Pacific Coast Charter School Development and may not be relied upon by any other person or entity without NV5's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, NV5 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

NV5 will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. NV5 makes no warranty, expressed or implied

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

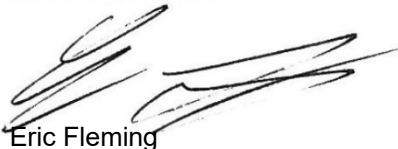
Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals and notifications should in all cases be addressed in a separate and independent bidding and contract document.

If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Pacific Coast Charter School Development.

## 8 SIGNATORY

Respectfully submitted by:

**NV5**

A handwritten signature in black ink, appearing to read 'Eric Fleming', is written over a light gray rectangular background.

Eric Fleming  
Certified Asbestos Consultant  
Cal/OSHA Cert. #00-2816

# Appendix A

## **Material Inventory**



**MATERIAL INVENTORY  
ASBESTOS SAMPLES**

**CLIENT:** Pacific Coast Charter School Development  
**PROJECT NO:** PCCD-21-10578  
**PROJECT NAME:** 15526-15544 Plummer Street

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Plaster	01	None detected	South center dining room	Interior wall and ceilings	4,000 SF	No	No
Plaster	02	None detected	South center kitchen				
Plaster	03	None detected	Northeast laundry closet				
Plaster	04	None detected	Northeast den				
Plaster	05	None detected	Southwest bedroom				
Texture coat	06	None detected	Southwest hallway wall	East hallway	800 SF	No	No
Texture coat	07	None detected	Southwest hallway wall				
Texture coat	08	None detected	Northwest hallway wall				
Black moisture paper	09	None detected	Northwest exterior	Below exterior wooden panels	2,000 SF	No	No
Black moisture paper	10	None detected	Southeast exterior				
Black moisture paper	11	None detected	Northeast exterior				
Window putty	12	None detected	Northwest exterior windows	Exterior windows	200 SF	No	No
Window putty	13	None detected	Northeast exterior windows				
Window putty	14	None detected	West center exterior windows				
Red roof shingle core	15	None detected	Northwest corner at roof	Roof - A framed area roof	2,000 SF	No	No
Red roof shingle core	16	None detected	Northeast corner at roof				
Red roof shingle core	17	None detected	Southwest corner at roof				
Red rolled on roof core	18	None detected	Southwest roof above living room	Roof - flat area of roof	700 SF	No	No
Red rolled on roof core	19	None detected	Southwest roof above living room				
Red rolled on roof core	20	None detected	Southeast roof above living room				
<b>Black penetration mastic</b>	<b>21</b>	<b>8% chrysotile</b>	<b>Northeast roof</b>	<b>Roof penetrations</b>	<b>10 SF</b>	<b>No</b>	<b>No</b>
<b>Black penetration mastic</b>	<b>22</b>	<b>8% chrysotile</b>	<b>Northeast roof</b>				
<b>Black penetration mastic</b>	<b>23</b>	<b>6% chrysotile</b>	<b>Northwest roof</b>				

**MATERIAL INVENTORY  
ASBESTOS SAMPLES**

**CLIENT:** Pacific Coast Charter School Development  
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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Black moisture paper	24	None detected	Northeast corner at roof	Southeast shed behind exterior panels	1,400 SF	No	No
Black moisture paper	25	None detected	East center				
Black moisture paper	26	None detected	South center				
Red rolled on roof shingle roof core	27	None detected	Northwest corner	Roof southeast roof	800 SF	No	No
Red rolled on roof shingle roof core	28	None detected	Southwest corner				
Red rolled on roof shingle roof core	29	None detected	Southeast corner				
Brown roof shingle core	30	None detected	Southwest corner	Roof at northeast shed	800 SF	No	No
Brown roof shingle core	31	None detected	Southeast corner				
Brown roof shingle core	32	None detected	Northeast corner at roof				
Black moisture barrier paper	33	None detected	Southeast corner	Northeast shed behind exterior panels	1,400 SF	No	No
Black moisture barrier paper	34	None detected	East exterior				
Black moisture barrier paper	35	None detected	Northwest corner				

Note: The interior flooring contains wood floor and ceramic tile. NV5 rep unable to damage floor to inspect for additional suspect materials.

# Appendix B

**Laboratory Reports**



1508 East 33rd Street  
 Signal Hill, CA 90755  
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Alta Environmental  
 3777 Long Beach Blvd.  
 Long Beach CA 90807  
 Attn.: Eric Fleming

**Project Number** PCCD-21-10578  
**Project Name** 1556 Plummer St.  
**Location** Single Family House  
**PO Number**  
**WO Number**

**Report Number** 2247441

**Date Received** 01/26/2022  
**Date Analyzed** 01/27/2022  
**Date Reported** 01/27/2022

**Date Sampled** 01/26/2022  
**Sampled By** Gustavo Sanchez  
**Total Samples** 43

**Method of Analysis** 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116  
 Determination of Asbestos in Bulk Building Materials.

**Test Report**

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2247441-001 01	Front House Plaster, White/Beige, Non-homogeneous	LAYER 1 100%	Jute Fiber Calcium Carbonate Gypsum Quartz Other Non-Fibrous Material	<1% 25% 35% 25% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-002 02	Front House Plaster, White/Beige, Non-homogeneous	LAYER 1 100%	Jute Fiber Gypsum Calcium Carbonate Quartz Other Non-Fibrous Material	<1% 35% 25% 25% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-003 03	Front House Plaster, White/Beige, Non-homogeneous	LAYER 1 100%	Jute Fiber Gypsum Calcium Carbonate Quartz Other Non-Fibrous Material	<1% 35% 25% 25% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-004 04	Front House Plaster, White/Beige, Non-homogeneous	LAYER 1 100%	Jute Fiber Quartz Gypsum Other Non-Fibrous Material	<1% 45% 40% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-005 05	Front House Plaster, White/Beige, Non-homogeneous	LAYER 1 100%	Jute Fiber Gypsum Calcium Carbonate Quartz Other Non-Fibrous Material	<1% 40% 25% 25% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>



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Determination of Asbestos in Bulk Building Materials.

### Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2247441-006 06	Front House Texture Coat, Yellow/Peach, Non-homogeneous	LAYER 1 100%	Perlite Binder/Filler	40% 60%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-007 07	Front House Texture Coat, Yellow/Peach, Non-homogeneous	LAYER 1 100%	Perlite Binder/Filler	30% 70%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-008 08	Front House Texture Coat, Yellow/Peach, Non-homogeneous	LAYER 1 100%	Perlite Binder/Filler	30% 70%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-009 09	Front House Moisture Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	85% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-010 10	Front House Moisture Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	85% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-011 11	Front House Moisture Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	85% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>



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**Method of Analysis** 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116  
 Determination of Asbestos in Bulk Building Materials.

### Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2247441-012 12	Front House Window Putty, White/Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-013 13	Front House Window Putty, White/Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-014 14	Front House Window Putty, White/Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-015 15A	Front House Roof Shingle Core - Comp. Roofing, Beige/Brown/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	45% 25% 30%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-016 15B	Front House Roof Shingle Core - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-017 15C	Front House Roof Shingle Core - Felt, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>



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Determination of Asbestos in Bulk Building Materials.

### Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2247441-018 16A	Front House Roof Shingle Core - Comp. Roofing, Beige/Brown/Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	45% 25% 30%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-019 16B	Front House Roof Shingle Core - Layered Fet/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-020 16C	Front House Roof Shingle Core - Felt, Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-021 17A	Front House Roof Shingle Core - Comp. Roofing, Beige/Brown/Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	45% 25% 30%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-022 17B	Front House Roof Shingle Core - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-023 17C	Front House Roof Shingle Core - Felt, Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>



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**Total Samples** 43

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Determination of Asbestos in Bulk Building Materials.

### Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2247441-024 18	Front House Roll-on Roof Core, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
<b>Asbestos Present: No</b>		Total % Non-Asbestos:		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-025 19A	Front House Roll-on Roof Core - Capsheet, Beige/Brown/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	65% 20% 15%	None Detected	
<b>Asbestos Present: No</b>		Total % Non-Asbestos:		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-026 19B	Front House Roll-on Roof Core - Felt, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
<b>Asbestos Present: No</b>		Total % Non-Asbestos:		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-027 20A	Front House Roll-on Roof Core - Capsheet, Beige/Brown/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	65% 20% 15%	None Detected	
<b>Asbestos Present: No</b>		Total % Non-Asbestos:		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-028 20B	Front House Roll-on Roof Core - Felt, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
<b>Asbestos Present: No</b>		Total % Non-Asbestos:		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-029 21	Front House Penetration Mastic, Gray/Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	92%	Chrysotile	8%
<b>Asbestos Present: Yes</b>		Total % Non-Asbestos:		92.0%	<b>Total %Asbestos:</b>	<b>8.0%</b>
2247441-030 22	Front House Penetration Mastic, Gray/Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	92%	Chrysotile	8%
<b>Asbestos Present: Yes</b>		Total % Non-Asbestos:		92.0%	<b>Total %Asbestos:</b>	<b>8.0%</b>





1508 East 33rd Street  
 Signal Hill, CA 90755  
 Toll: 888-207-2022  
 Tel: 562-206-2770  
 Fax: 562-206-2773

Alta Environmental  
 3777 Long Beach Blvd.  
 Long Beach CA 90807  
 Attn.: Eric Fleming

**Project Number** PCCD-21-10578  
**Project Name** 1556 Plummer St.  
**Location** Single Family House  
**PO Number**  
**WO Number**

**Report Number** 2247441

**Date Received** 01/26/2022  
**Date Analyzed** 01/27/2022  
**Date Reported** 01/27/2022

**Date Sampled** 01/26/2022  
**Sampled By** Gustavo Sanchez  
**Total Samples** 43

**Method of Analysis** 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116  
 Determination of Asbestos in Bulk Building Materials.

### Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2247441-031 23	Front House Penetration Mastic, Gray/Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	94%	Chrysotile	6%
<b>Asbestos Present: Yes</b>		<b>Total % Non-Asbestos:</b>		94.0%	<b>Total %Asbestos:</b>	<b>6.0%</b>
2247441-032 24	S/E Shed Moisture Paper, Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	85% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-033 25	S/E Shed Moisture Paper, Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	85% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-034 26	S/E Shed Moisture Paper, Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	85% 15%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-035 27	S/E Shed Roll-on Roof Shingle Core, Beige/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material	35% 40% 25%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-036 28	S/E Shed Roll-on Roof Shingle Core, Beige/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material	35% 40% 25%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>



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Alta Environmental  
 3777 Long Beach Blvd.  
 Long Beach CA 90807  
 Attn.: Eric Fleming

**Project Number** PCCD-21-10578  
**Project Name** 1556 Plummer St.  
**Location** Single Family House  
**PO Number**  
**WO Number**

**Report Number** 2247441

**Date Received** 01/26/2022  
**Date Analyzed** 01/27/2022  
**Date Reported** 01/27/2022

**Date Sampled** 01/26/2022  
**Sampled By** Gustavo Sanchez  
**Total Samples** 43

**Method of Analysis** 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116  
 Determination of Asbestos in Bulk Building Materials.

**Test Report**

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2247441-037 29	S/E Shed Roll-on Roof Shingle Core, Beige/Black, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material	35% 40% 25%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-038 30	N/E Shed Roof Shingle Core, Brown/Black, Non- homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 65% 25%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-039 31	N/E Shed Roof Shingle Core, Brown/Black, Non- homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 65% 25%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-040 32	N/E Shed Roof Shingle Core, Brown/Black, Non- homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 65% 25%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-041 33	N/E Shed Moisture Barrier Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>
2247441-042 34	N/E Shed Moisture Barrier Paper, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
<b>Asbestos Present: No</b>		<b>Total % Non-Asbestos:</b>		100.0%	<b>Total %Asbestos:</b>	<b>No Asbestos Detected</b>



(Lab) Order No. 2247441

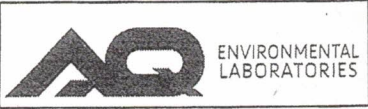
CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	<u>NVS</u>	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	<u>3777 Long Beach Ave</u>	1 Day <input checked="" type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>
City/State/Zip	<u>Long Beach CA</u>	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	<u>Eric Fleming</u>	3 Day <input type="checkbox"/>	Drop Off <input checked="" type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone		5 Day <input type="checkbox"/>	Drop Box <input type="checkbox"/>	Mail <input type="checkbox"/>
Cell		Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax		<b>Special Instructions:</b>		
Email	<u>Eric.fleming@NVS.com</u>			

PROJECT INFORMATION	
Project Name: <u>556 Plummer St</u>	PO Number: _____
Project Number: <u>PCCD-21-1058</u>	Work Order No.: _____
Location: <u>Single Family Home</u>	Sampled By: <u>Butera Savelle</u>

PLM	PCM	MOLD	LEAD (Pb)
PLM EPA 600/M4-82-020 <input checked="" type="checkbox"/>	NIOSH 7400A <input type="checkbox"/>	Spore Trap <input type="checkbox"/>	Air <input type="checkbox"/> TTLC <input type="checkbox"/>
PLM 400 Pt. Count (<0.25%) <input type="checkbox"/>	NIOSH 7400B <input type="checkbox"/>	Tape Lift <input type="checkbox"/>	Paint <input type="checkbox"/>
PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/>	w/ TWA <input type="checkbox"/>	Bulk Sample <input type="checkbox"/>	Wipe <input type="checkbox"/>
		Swab <input type="checkbox"/>	Soil <input type="checkbox"/>

SAMPLE ID	SAMPLE TYPE	LOCATION	Date	Start Time	Avg	Volume
			Sampled	Stop Time	Flow Rate	(L)
01	Plaster	Front House	01/26/22			
02	↓					
03						
04						
05						
06						
07	↓					
08						
09						
10	Black Moisture Paper					

Relinquished By: <u>Butera Savelle</u>	Received By: <u>Amber</u>
Date/Time: <u>1/26/22</u>	Date/Time: <u>1/26/22</u> <u>1339</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:



# CHAIN OF CUSTODY

1508 E. 33rd Street  
Signal Hill, CA 90755  
562-206-2770 Tel  
562-206-2773 Fax  
services@AQenvlabs.com

Company: NVS  
 Project Number: PCCD-21-10578  
 Project Name: 1556 Plummer St

(Lab) Order No. 2247441

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time	Avg Flow Rate	Volume (L)
11	Black Moisture Paper	Front House	01/26/22			
12	Window putty	↓	↓			
13	↓					
14	↓					
15	Red roof shingle core					
16	↓					
17	↓					
18	Red roll-on roof core					
19	↓					
20	↓					
21	Penetration Mortar Block			↓	↓	
22	↓					
23	↓					
24	Black Moisture Paper	S/E shed				
25	↓	↓	↓			
26	↓					
27	Red Roll-on Roof Shingle core	S/E shed				
28	↓	↓	↓			
29	↓					
30	Brown roof Shingle core	N/E shed				

Relinquished By: <u>Guyton Saich</u>	Received By: <u>Jmuel P...</u>
Date/Time: <u>1/26/22</u>	Date/Time: <u>1/26/22 1339</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:



# Appendix C

## Sample Location Maps

# N|V|5

ALTA  
ENVIRONMENTAL

Scale \_\_\_\_\_

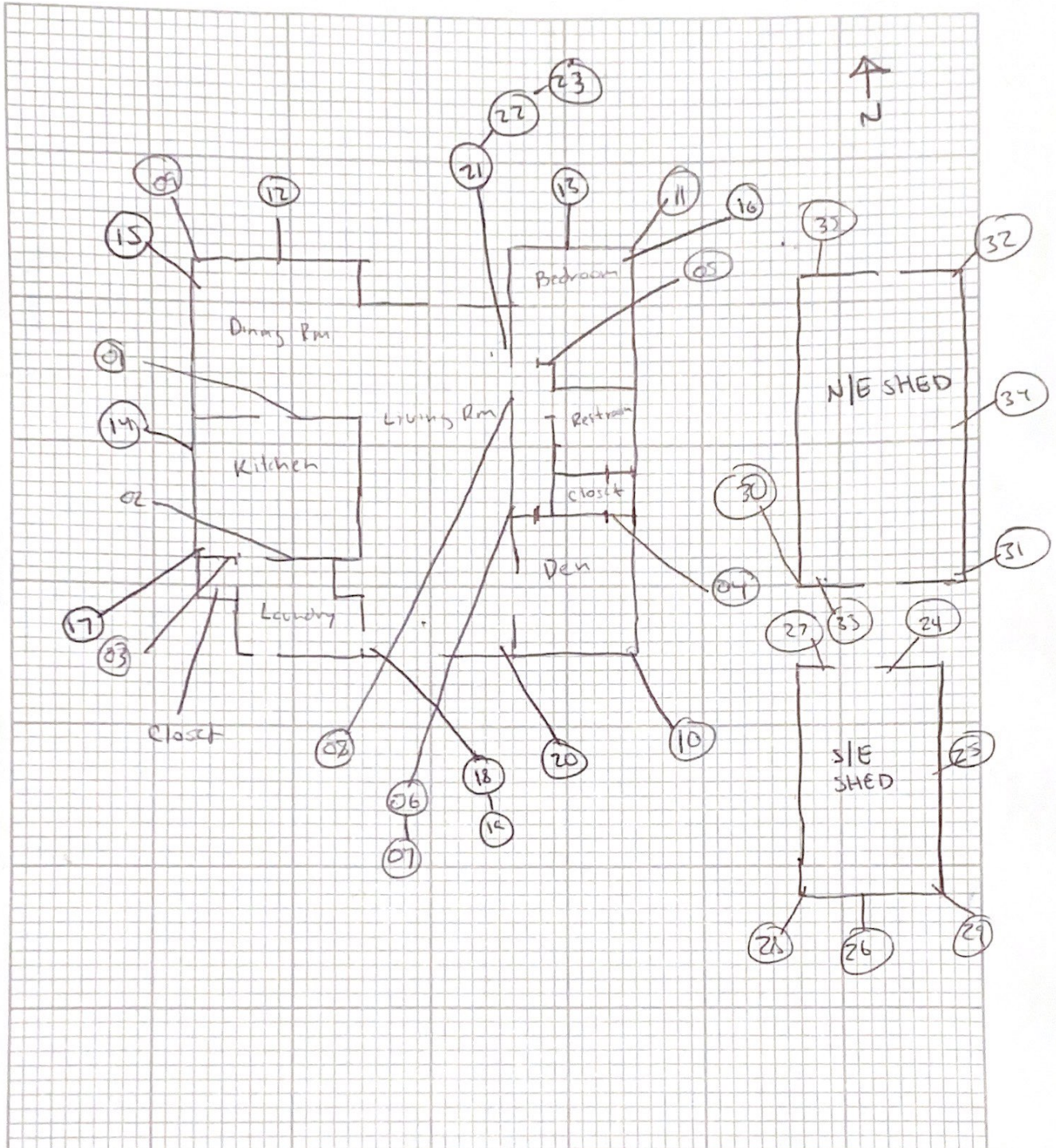
Sheet 1 of 1

Project Name 15526 Punam St

Project No./Task No. PCCD-21-10578

Calculated by CS Date 1/26/22

Checked by \_\_\_\_\_ Date \_\_\_\_\_





# Appendix D

## **NV5 Employee Certifications**

State of California  
Division of Occupational Safety and Health  
**Certified Site Surveillance Technician**

**Gustavo J Sanchez**

Name

Certification No. ~~11-4732~~

Expires on ~~07/20/22~~

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



State of California  
Division of Occupational Safety and Health  
**Certified Asbestos Consultant**



**Eric J Fleming**

Name

Certification No. **00-2816**

Expires on **09/22/22**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.