

**BUILDING DEMOLITION & SITE GRADING
2202 Soquel Avenue, Santa Cruz, CA**

PROJECT #23TI-064

*Volume #02 Plans - Specifications - Scope - Photographs - Other
CUPCCAA Supporting Docs*



**COUNTY OF SANTA CRUZ, CALIFORNIA
GENERAL SERVICES DEPARTMENT
December 15, 2023 *Date Prepared***

PROPOSALS DUE:
Thursday, January 25, 2024 – 2:30 P.M.

PRE-BID CONFERENCE:
Thursday, January 11, 2024 - 11:00 A.M.

LOCATION:
Harbor Vet Building
2022 Soquel Avenue
Santa Cruz, CA 95062

For use in connection with Santa Cruz County standards and the 2019 California Building Code.

TABLE OF CONTENTS

This CUPCCAA Project is supported by specific documents enumerated in the “Table of Contents” below:

- A. Engineered Drawings –
- B. Technical Specifications – **Not Applicable**
- C. Supplemental Conditions
- D. Existing Condition Photographs
- E. Scope of Work
- F. Preliminary / Milestone Project Schedule – **Not Applicable**
- G. Other Documents

Project Scope of Work:

The County, as a core milestone in the development and delivery of a project, did conduct a site assessment and in conjunction met with the occupants of the facility and/or space to discuss the needs, wants, and expectations. From this site meeting discussion, the “**scope of work**” was drafted and refined to aid the Bidder in understanding parameters of the project and establishing the Bid to execute the expected work.

Project Supplemental Conditions:

These are project clarifications that help the Contractor to gain comfort with the site conditions and support the project intent. The Supplemental Conditions are weighted equally in significance to that of the County General Conditions Terms & Conditions and project Specifications.

Project Existing Condition Photographs:

The County has provided existing condition photographs in advance of a site visit for the purpose of formulating questions to focus observations during the mandatory pre-bid site visit. This will better prepare the Contractor to identify, mitigate, and manage their risk as well that of the county.

Preliminary / Milestone Project Schedule:

The County has prepared either a “**Preliminary or Milestone Project Schedule**”. This schedule shall be considered by the Bidder to establish expected duration to execute the work. At the “**Notice of Award**” (NOA) the Bidder will be asked to begin preparing the “**Baseline Project Schedule**” for formal submission and review by the County. This Schedule will be submitted and reviewed within the first ten (10) days of receiving the NOA.



ENGINEERED DRAWINGS

EXHIBIT "A"

GEOTECHNICAL INVESTIGATION FEASIBILITY PHASE

FOR
2202 SOQUEL AVENUE
SANTA CRUZ, SANTA CRUZ COUNTY, CALIFORNIA

PREPARED FOR
COUNTY OF SANTA CRUZ GENERAL SERVICES
DEPARTMENT
PROJECT NO. 21-173-SC



PREPARED BY

BUTANO GEOTECHNICAL ENGINEERING, INC.
AUGUST 2021



BUTANO GEOTECHNICAL ENGINEERING, INC.

231 GREEN VALLEY ROAD, SUITE E, FREEDOM, CALIFORNIA 95019

PHONE: 831.724.2612

WWW.BUTANOGEOTECH.COM

August 4, 2021
Project No. 21-173-SC

County of Santa Cruz General Services Department
701 Ocean Street, Room 330
Santa Cruz, CA 95060

ATTENTION: Thomas Fakner

SUBJECT: **GEOTECHNICAL INVESTIGATION - FEASIBILITY PHASE**
Proposed Commercial Construction
2202 Soquel Avenue
Santa Cruz, Santa Cruz County, California

Dear Mr. Fakner:

In accordance with your authorization, we have completed a geotechnical investigation for the subject project. This report summarizes the findings and discussions from our field exploration, laboratory testing, and engineering analysis. It is a pleasure being associated with you on this project. If you have any questions, or if we may be of further assistance, please do not hesitate to contact our office.

Sincerely,

BUTANO GEOTECHNICAL ENGINEERING, INC.

Greg Bloom, PE, GE
Principal Engineer
R.C.E. 58819



Appendices: 1. Appendix B Field Exploration Program
2. Appendix C Laboratory Testing Program

Distribution: (4) Addressee

1.0 INTRODUCTION

This report presents the results of our feasibility level geotechnical investigation for the proposed commercial construction at 2202 Soquel Avenue in unincorporated Santa Cruz, Santa Cruz, California.

The purpose of our investigation is to provide geotechnical data from our field and laboratory investigation and discuss the geologic and geotechnical restraints at the site.

This work included site reconnaissance, subsurface exploration, soil sampling, laboratory testing, engineering analyses, and preparation of this report. The scope of services for this investigation is outlined in our agreement dated February 26, 2021, and purchase order dated April 15, 2021.

The recommendations contained in this report are subject to the limitations presented in Section 8.0 of this report. The Association of Engineering Firms Practicing the Geosciences has produced a pamphlet for your information titled *Important Information About Your Geotechnical Report*. This pamphlet has been included with the copies of your report.

2.0 PROJECT DESCRIPTION

Based on our discussions with the client, it is our understanding that the project consists of demolishing the existing structure and constructing a new two-story structure with underground parking.

3.0 FIELD EXPLORATION AND LABORATORY TESTING PROGRAMS

Our field exploration program included drilling, logging, and interval sampling of a total of nine borings. Borings B1 through B8 were advanced on May 4, 2021 and July 20, 2021 with a truck mounted drill rig advanced using 6-inch diameter solid stem augers. Boring B9 was advanced on July 22, 2021 with a truck mounted drill rig using 8-inch diameter hollow stem augers. Details of the field exploration program, including the Boring Logs and the Key to the Logs, are presented in Appendix B, Figures B-3 through B-12b.

Representative samples obtained during the field investigation were taken to the laboratory for testing. Laboratory tests were used to determine physical and engineering properties of the in-situ soils. Details of the laboratory testing program are presented in Appendix C. Test results are presented on the Boring Logs and in Appendix C.

4.0 SITE DESCRIPTION

4.1 Location

The project site is located south of Highway 101 in unincorporated Santa Cruz, Santa Cruz County, California. The site location is shown on the Site Location Plan, Appendix B, Figure B-1.

4.2 Surface Conditions

The parcel is approximately 1.5 acres in size and has been developed. There is a relatively new structure on the eastern 2/3 of the parcel which houses the Psychiatric Health Facility. There is an existing one-story structure on the western side of the parcel, which is referred to as the Harbor Vet Building. The western portion of the parcel is the subject project area.

The southern portion of the parcel has been steeply cut into a sandstone hillside. The western edge of the parcel is separated from the adjacent parking lot by a retaining wall. The northern edge of the parcel is separated from Soquel Avenue by a retaining wall. The Harbor Vet Building is still standing, and the remaining areas consist of paved driveways and parking. The paved area slopes gently to the north.

4.3 Subsurface Conditions

The site is geologically mapped as being underlain by alluvium and purisima formation. The native earth material encountered during our investigation is consistent with the geologic mapping.

A total of nine borings were advanced for this phase of the project. In addition to the borings, our firm observed the cut-slope on the southern portion of the parcel.

The borings generally encountered three units. Non-engineered fill was encountered in all of the borings. The fill prism is generally thin (several feet thick) on the southern edge of the project and then increases to approximately 14 feet on the northwestern edge of the proposed building. Purisima formation sandstone directly underlies the non-engineered fill in the southern portion of the site (Boring 1 and Boring 5). The sandstone is very dense, weathered, and friable.

Alluvium was encountered below the non-engineered fill in Boring 2 to Boring 4 and Boring 6 to Boring 9. The thickness of the alluvium thickens as you go to the

northwest (alignment of Arana Gulch). The alluvium generally consists of soft to firm lean clay, sandy lean clay, clayey sand, and silty sand. The silty sand is loose. At the northwest corner of the proposed structure the depth to purisima formation bedrock is approximately 46 feet below existing grade.

Our firm measured groundwater in Boring 4 at 12 feet, Boring 6 at 18 feet, Boring 7 at 18 feet, and Boring 8 at 16 feet. Groundwater was encountered in Boring 9 but not accurately recorded. Groundwater was not encountered in Boring 1 through Boring 3 and B5.

Complete soil profiles are presented on the Boring Logs, Appendix B, Figures B-4 through B-12b. The boring locations are shown on the Boring Site Plan, Figure B-2.

5.0 GEOTECHNICAL HAZARDS

5.1 General

In our opinion the geotechnical hazards that could potentially affect the proposed project are:

- Intense seismic shaking
- Collateral seismic hazards
- Liquefaction and Lateral Spreading

5.1.1 Intense Seismic Shaking

The hazard of intense seismic shaking is present throughout central California. Intense seismic shaking may occur at the site during the design lifetime of the proposed structure from an earthquake along one of the regions many faults. Generally, the intensity of shaking will increase the closer the site is to the epicenter of an earthquake; however, seismic shaking is a complex phenomenon and may be modified by local topography and soil conditions. The transmission of earthquake vibrations from the ground into the structure may cause structural damage.

The County of Santa Cruz has adopted the seismic provisions set forth in the 2019 California Building Code to address seismic shaking. The seismic provisions in the 2019 CBC are minimum load requirements for the seismic design for the proposed structure. The provisions set forth in the 2019 CBC will not prevent structural and nonstructural damage from direct fault ground

surface rupture, coseismic ground cracking, liquefaction and lateral spreading, seismically induced differential compaction, seismically induced landsliding, or seismically induced inundation.

Table 1 has been constructed based on the 2019 CBC requirements as adopted from the ASCE 7-16 provisions for the seismic design of proposed structures built in liquefiable areas. The Site Class has been determined based on our field investigation and laboratory testing. The soil underlying the site is a Type S_F (potentially liquefiable) soil, but the structure has a short period. Due to the short period of the structure it is appropriate to analyze the site as being underlain by Type S_D with respect to ground shaking. Specific analysis and recommendations with respect to liquefaction are provided in section 5.1.3 and the recommendation section of this report.

Table 1. Seismic Design Parameters

S _s	S ₁	Site Class	F _a	F _v	S _{DS}	S _{D1}	F _{PGA}	PGAM	Risk Category	Seismic Design Category
1.722	0.663	D	1.0	Null*	1.148	Null	1.1	0.794	II	Null*

Design Coordinates - Latitude: 36.9831655 Longitude: -121.9943625

*Site specific analysis required for site class D and building structures having a period within the velocity domain of the design response spectrum ($T_s < T \leq T_L$).

5.1.2 Collateral Seismic Hazards

In addition to intense seismic shaking, other seismic hazards that may have an adverse effect to the site and/or the structure are: fault ground surface rupture, coseismic ground cracking, seismically induced liquefaction and lateral spreading, seismically induced differential compaction, seismically induced landsliding, and seismically induced inundation (tsunami and seiche). In our opinion, the potential for collateral seismic hazards to affect the site and to damage the proposed structure is low except for liquefaction and lateral spreading. See section 5.1.3 for a detailed discussion on liquefaction and lateral spreading.

5.1.3 Liquefaction and Lateral Spreading

Liquefaction is a mechanism of ground failure resulting from increased pore pressures during undrained cyclical shearing of saturated cohesionless soils. The excess pore water pressure causes the effective stress and shear resistance to drop, producing a liquefied soil state. In general terms, when loose, saturated, coarse-grained soils (cohesionless soils) are subjected to earthquake shaking (cyclical shearing) the water pressure (pore pressure) increases. If the water cannot escape fast enough (undrained) stress is transferred from the soil skeleton to the pore water, reducing the grain to grain contact (effective stress); thus reducing the soil strength (shear resistance). If this reduction is great enough, the soil deforms and is said to liquefy. Ultimately, sands and non-plastic silts consolidate when subjected to repeated liquefaction.

The site was analyzed for liquefaction potential utilizing the data in the most recent publications of the NCEER Workshop and SP 117 implementations. The analysis was performed for existing grade elevations using a peak ground acceleration of 0.722 g and a magnitude 7.9 earthquake. A groundwater elevation of 14 feet below existing grade was used for the liquefaction analysis. This groundwater elevation was based on a review of the soil profile and estimations of winter conditions.

The associated hazards related to liquefaction are:

- Loss of bearing capacity.
- Lateral spreading.
- Ground settlement.
- Surface manifestations of underlying liquefaction.

A liquefaction analysis was conducted on the borings. The lowest estimated factor of safety against liquefaction using the NCEER method was 0.16. Due to the low factor of safety the site should be mitigated for the hazards of liquefaction.

Loss of Bearing Capacity

Liquefaction can cause loss of bearing capacity in stable strata located above the liquefied zone. The loss of bearing capacity has historically resulted in large translational and rotational failures. There are no recognized analytical methods to evaluate the loss of bearing capacity at

this time. The liquefiable zone is potentially thick, up to 10 to 15 feet thick in some locations, and relatively shallow (if a basement is constructed). We anticipate that the probability for loss of bearing capacity to occur at the site is moderate to high unless the soil is improved.

Lateral Spreading

Lateral spreading occurs when a liquefied soil mass fails toward an open slope face or fails on an inclined plane. The site is in an area that slopes gently to the northeast, which is the historical location of Arana Gulch. Therefore, the potential for lateral spreading to occur is considered moderate to high unless the soil is improved.

Ground Settlement

The liquefied soil profile may settle as the result of a seismic event. This occurs as the soil grains are shaken into a slightly denser arrangement. Because sites rarely have homogeneous soil profiles, this often results in differential settlement, also known as differential compaction. The probability of ground settlement to occur at the site due to a seismic event is high.

Volumetric reconsolidation strains of 3 percent were calculated based on cyclic stress ratio of 0.44 and fines adjusted blow counts of 7. The maximum settlement using a 15 feet thick liquefiable layer is 5 ½ inches. Differential settlements will be on the order of 5 ½ inches. The differential settlement matches the calculated settlement because some portions of the proposed structure are located directly on purisima formation sandstone and will not liquefy and other portions of the structure are located on alluvium.

Surface Manifestations of Underlying Liquefaction

Boils and ground fissures may occur through the top non-liquefiable soil from liquefaction of the underlying soil layers. Our evaluation of the potential for surface manifestations was conducted using a 2 feet thick non-liquefiable surface layer and a 15 feet thick liquefiable layer. Based on our calculations, the potential for surface manifestations is moderate to high.

6.0 DISCUSSIONS AND CONCLUSIONS

The proposed building envelope is underlain by varying soil/rock conditions. The southern portion of the site is underlain by minimal non-engineered fill and then purisima formation sandstone. The non-engineered fill prism thickens as one goes to the north (towards Soquel Avenue) and was recorded to be up to 14 feet deep. In the northern portion of the project there is alluvium below the non-engineered fill. The alluvium consists of soft to firm lean clay and loose silty sand. The silty sand has the potential to liquefy and laterally spread. This is a significant geologic hazard which requires mitigation.

The boring logs and cross-sections are presented in Appendix B. Based on our investigation, the bedrock slopes towards the northwest at a gradient of approximately 100 percent. Therefore, the northwestern edge of the structure is underlain by significantly more alluvium than the northeast corner. Our investigation was constrained by the existing building. We recommend that additional borings be advanced within the footprint of the existing Old Harbor Vet Building so our firm can map the depth of alluvium in more detail.

In our opinion, the most feasible mitigation strategy is to improve the alluvium underlying the proposed development. Typical soil improvement methods include compaction grouting and soil mixing. Once the soil is improved, to a specified parameter the hazard of liquefaction and lateral spreading will be considered low. Typically, a conventional shallow foundation can then be constructed.

Other considerations include over-excavation of the non-engineered fill and placement of engineered fill to design grade.

REFERENCES

ASTM International (2016). *Annual Book of ASTM Standards, Section Four, Construction*. Volume 4.08, Soil and Rock (I): D 430 - D 5611.

ASTM International (2016). *Annual Book of ASTM Standards, Section Four, Construction*. Volume 4.09, Soil and Rock (II): D 5714 - Latest.

Cochrane, G.R., Johnson, S.Y., Dartnell, P., Greene, H.G., Erdey, M.D., Dieter, B.E., Golden, N.E., Hartwell, S.R., Ritchie, A.C., Kvitek, R.G., Maier, K.L., Endris, C.A., Davenport, C.W., Watt, J.T., Sliter, R.W., Finlayson, D.P., and Krigsman, L.M., 2016, California State Waters Map Series—offshore of Aptos, California, U.S. Geological Survey, Open-File Report OF-2016-1025, 1:24,000

APPENDIX B

FIELD EXPLORATION PROGRAM

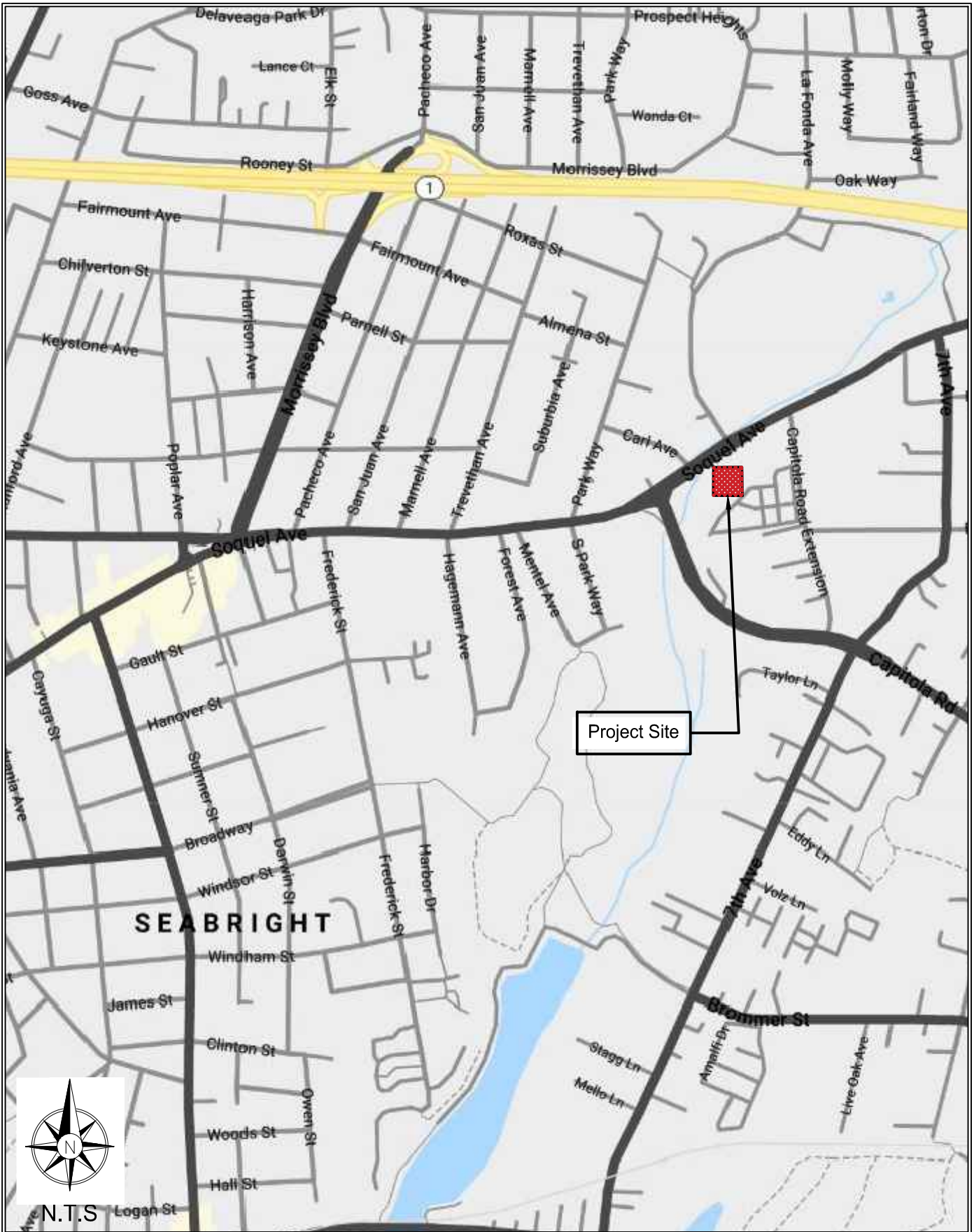
Field Exploration Procedures	Page B-1
Site Location Plan	Figure B-1
Boring Site Plan	Figure B-2
Key to the Logs	Figure B-3
Logs of the Borings	Figures B-4 through B-12b
Cross-Sections	Figures B-13 and B-14

FIELD EXPLORATION PROCEDURES

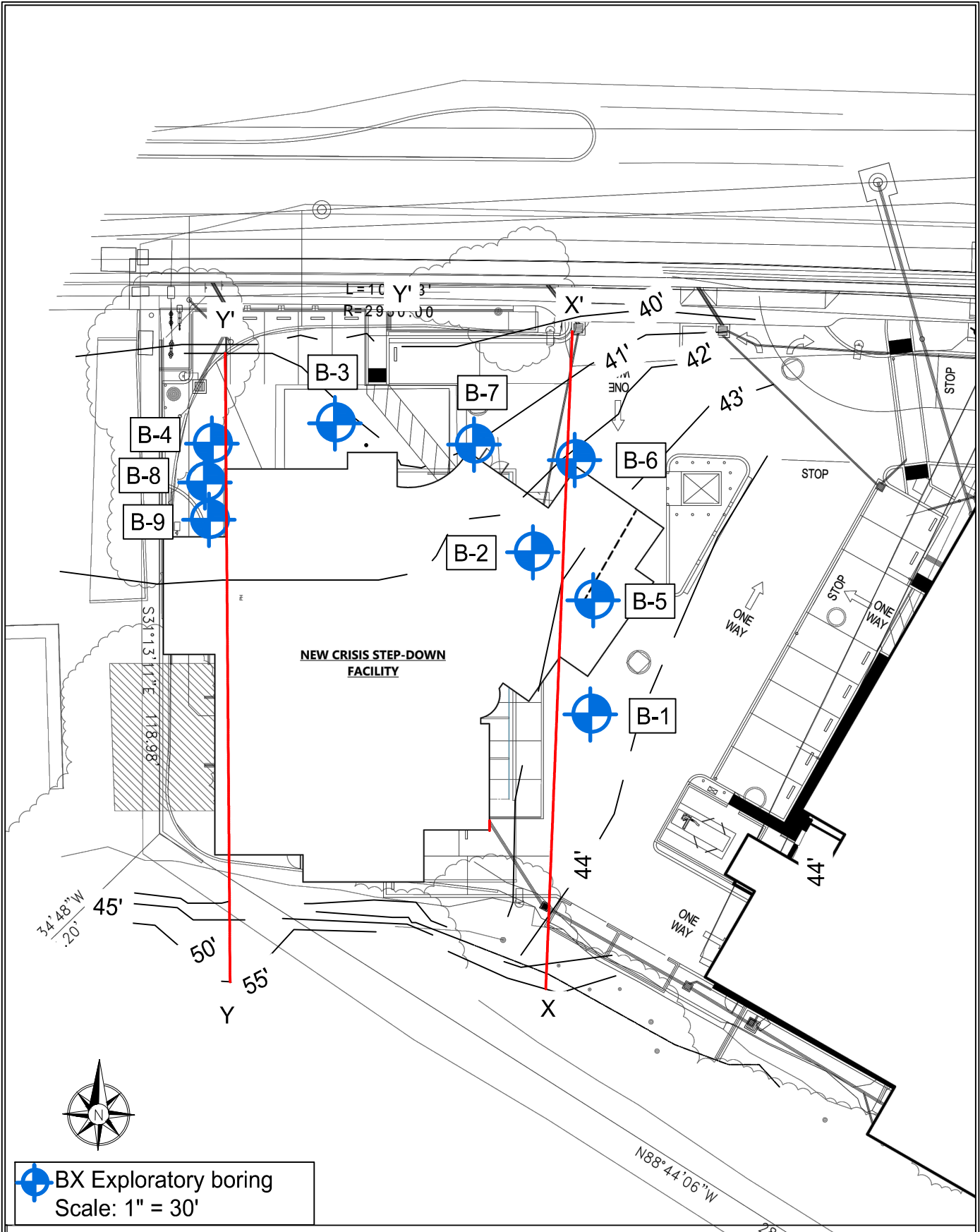
Subsurface conditions were explored by advancing nine borings below existing grade. The borings were advanced using six-inch diameter solid stem augers or 8-inch hollow stem augers on a truck mounted drill rig. The Key to The Logs and the Logs of the Boring are included in Appendix B, Figures B-3 through B-12b. The approximate locations of the borings are shown on the Boring Site Plan, Figure B-2. The borings were located in the field by tape measurements from known landmarks. Their locations as shown are therefore within the accuracy of such measurement.


The soils encountered in the borings were continuously logged in the field by a representative of Butano Geotechnical Engineering, Inc. Bulk and relatively undisturbed soil samples for identification and laboratory testing were obtained in the field. These soils were classified based on field observations and laboratory tests. The classifications are accordance with the Unified Soil Classification System (USCS: Figure B-3).

Two geologic cross-sections based on the topographic map of the site and our field investigation. They are shown on Figures B-13 and B-14



<p>BUTANO</p>	<p>SITE LOCATION PLAN</p>	<p>FIGURE</p>
<p>GEOTECHNICAL ENGINEERING, INC.</p>	<p>2202 Soquel Avenue</p>	<p>B-1</p>




BX Exploratory boring
 Scale: 1" = 30'

BUTANO
 GEOTECHNICAL ENGINEERING, INC.

BORING SITE PLAN
 2202 Soquel Avenue

FIGURE
 B-2

KEY TO LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

PRIMARY DIVISIONS			GROUP SYMBOL	SECONDARY DIVISIONS
COARSE GRAINED SOILS More than half of the material is larger than the No. 200 sieve	GRAVELS More than half of the coarse fraction is larger than the No. 4 sieve	CLEAN GRAVELS (Less than 5% fines)	GW	Well graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines
		GRAVEL WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines
	SANDS More than half of the coarse fraction is smaller than the No. 4 sieve	CLEAN SANDS (Less than 5% fines)	SW	Well graded sands, gravelly sands, little or no fines
			SP	Poorly graded sands, gravelly sands, little or no fines
		SAND WITH FINES	SM	Silty sands, sand-silt mixtures, non-plastic fines
			SC	Clayey sands, sand-clay mixtures, plastic fines
FINE GRAINED SOILS More than half of the material is smaller than the No. 200 sieve	SILTS AND CLAYS Liquid limit less than 50		ML	Inorganic silts and very fine sands, silty or clayey fine sands or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silty clays of low plasticity
			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
	SILTS AND CLAYS Liquid limit greater than 50		CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils

GRAIN SIZE LIMITS

SILT AND CLAY	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		
	No. 200	No. 40	No. 10	No. 4	3/4 in.	3 in.	12 in.
	US STANDARD SIEVE SIZE						

RELATIVE DENSITY	
SAND AND GRAVEL	BLOWS/FT*
VERY LOOSE	0 - 4
LOOSE	4 - 10
MEDIUM DENSE	10 - 30
DENSE	30 - 50
VERY DENSE	OVER 50

CONSISTENCY	
SILT AND CLAY	BLOWS/FT*
VERY SOFT	0 - 2
SOFT	2 - 4
FIRM	4 - 8
STIFF	8 - 16
VERY STIFF	16 - 32
HARD	OVER 32

MOISTURE CONDITION	
C L A Y	DRY
	MOIST
	SATURATED
S A N D	DRY
	DAMP
	WET
	SATURATED

* Number of blows of 140 pound hammer falling 30 inches to drive a 2 inch O.D. (1 3/8 inch I.D.) split spoon (ASTM D-1586).

LOG OF EXPLORATORY BORING

Project No.: 21-173-SC	Boring: B4 (1 of 2)
Project: 2202 Soquel	Location:
Date: May 4, 2021	Elevation:
Logged By: GB	Method of Drilling: 6 inch diameter solid stem auger, truck mounted

Depth (ft.)	Soil Type	Undisturbed	Bulk	<input checked="" type="checkbox"/> 2" Ring Sample <input type="checkbox"/> 2.5" Ring Sample <input type="checkbox"/> Terzaghi Split Spoon Sample <input checked="" type="checkbox"/> Bulk Sample	Blows / Foot	N ₆₀	Dry Density (pcf)	Moisture Content (%)	Expansion Index	Particle Size (% fines)	Unconfined - q _u (psf)	Atterberg Limits	
				Perched Water Table Static Water Table Water Encountered During Drilling								Change in Soil Classification _____ Gradation or Minor Change in Classification Description - - - - -	L.L.
0	SM (FILL)												
5													
10					8	6		18.5					
15	SC				6	4		37.9					
20	SC				6	4		35.6					
25	SM				13	10		36.1					
30													
35	CL				35	8		31.6					

BUTANO GEOTECHNICAL ENGINEERING, INC.

FIGURE
B-7a

LOG OF EXPLORATORY BORING

Project No.: 21-173-SC	Boring: B4 (2 of 2)
Project: 2202 Soquel	Location:
Date: May 4, 2021	Elevation:
Logged By: GB	Method of Drilling: 6 inch diameter solid stem auger, truck mounted

Depth (ft.)	Soil Type	Undisturbed	Bulk	<input type="checkbox"/> 2" Ring Sample <input type="checkbox"/> 2.5" Ring Sample <input type="checkbox"/> Terzaghi Split Spoon Sample <input type="checkbox"/> Bulk Sample	Blows / Foot	N ₆₀	Dry Density (pcf)	Moisture Content (%)	Expansion Index	Particle Size (% fines)	Unconfined - q _u (psf)	Atterberg Limits	
				Perched Water Table <input type="checkbox"/> Static Water Table <input type="checkbox"/> Water Encountered During Drilling <input type="checkbox"/>								Change in Soil Classification _____ Gradation or Minor Change in Classification - - - - -	L.L.
35	CL												
40													
45													
50	BR							39.3					
55													
60													
65													
70													

Straight drilled from 35 feet to 51 feet

Gray purisima formation sandstone

Boring terminated at a depth of 52 feet.
Groundwater encountered at a depth of 12 feet during drilling.

LOG OF EXPLORATORY BORING

Project No.: 21-173-SC	Boring: B8 (1 of 2)
Project: 2202 Soquel	Location:
Date: July 20, 2021	Elevation:
Logged By: EJ	Method of Drilling: 6 inch diameter solid stem auger, truck mounted

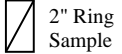
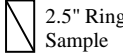

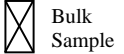



Depth (ft.)	Soil Type	Undisturbed	Bulk	2" Ring Sample 2.5" Ring Sample Terzaghi Split Spoon Sample Bulk Sample	Blows / Foot	N ₆₀	Dry Density (pcf)	Moisture Content (%)	Expansion Index	Particle Size (% fines)	Unconfined - q _u (psf)	Atterberg Limits		
				Perched Water Table Static Water Table Water Encountered During Drilling								Change in Soil Classification _____ Gradation or Minor Change in Classification - - - - - Description	L.L.	P.I.
0	SM (FILL)			3 inches of AC over 5 inches of AB Grayish brown Silty SAND, medium dense, damp, trace gravel (FILL)	25	21		24.2						
5					23	19		6.1						
10					19	15		21.1						
15	CL				Black Lean CLAY, firm, very moist (Alluvium)	9	7		23.3					
20	SC			Clayey SAND, medium dense	13	10		75.4						
25														
30	SM			Black Silty SAND, medium dense, saturated	13	12		28.0		14				
35														

BUTANO GEOTECHNICAL ENGINEERING, INC.

FIGURE
B-11a

LOG OF EXPLORATORY BORING

Project No.: 21-173-SC	Boring: B8 (2 of 2)
Project: 2202 Soquel	Location:
Date: July 20, 2021	Elevation:
Logged By: EJ	Method of Drilling: 6 inch diameter solid stem auger, truck mounted

Depth (ft.)	Soil Type	Undisturbed	Bulk	 2" Ring Sample  2.5" Ring Sample  Terzaghi Split Spoon Sample  Bulk Sample	Blows / Foot	N ₆₀	Dry Density (pcf)	Moisture Content (%)	Expansion Index	Particle Size (% fines)	Unconfined - q _u (psf)	Atterberg Limits	
				Perched Water Table  Static Water Table  Water Encountered During Drilling 								Change in Soil Classification _____ Gradation or Minor Change in Classification Description - - - - -	L.L.
40	CL			Black Lean CLAY, firm, saturated	6	6		20.6					
45													
50	BR			Gray purisima formation sandstone				18.5					
55				Boring terminated at a depth of 50 feet. Groundwater encountered at a depth of 16 feet during drilling.									
60													
65													
70													

LOG OF EXPLORATORY BORING

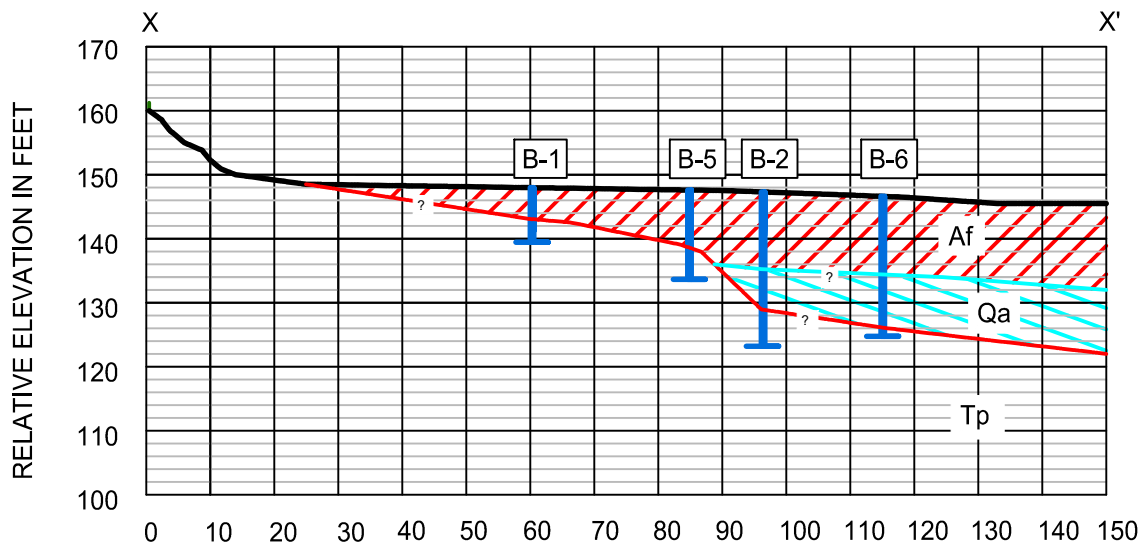
Project No.: 21-173-SC	Boring: B9 (1 of 2)
Project: 2202 Soquel	Location:
Date: July 22, 2021	Elevation:
Logged By: JC	Method of Drilling: 8 inch diameter solid stem auger, truck mounted

Depth (ft.)	Soil Type	Undisturbed	Bulk	<input type="checkbox"/> 2" Ring Sample <input type="checkbox"/> 2.5" Ring Sample <input type="checkbox"/> Terzaghi Split Spoon Sample <input type="checkbox"/> Bulk Sample	Blows / Foot	N ₆₀	Dry Density (pcf)	Moisture Content (%)	Expansion Index	Particle Size (% fines)	Unconfined - q _u (psf)	Atterberg Limits	
				Perched Water Table Static Water Table Water Encountered During Drilling								Change in Soil Classification _____ Gradation or Minor Change in Classification Description - - - - -	L.L.
0	SM (FILL)												
5													
10													
15	Qal												
20													
25													
30													
35													

LOG OF EXPLORATORY BORING

Project No.: 21-173-SC	Boring: B9 (2 of 2)
Project: 2202 Soquel	Location:
Date: July 22, 2021	Elevation:
Logged By: JC	Method of Drilling: 8 inch diameter hollow stem auger, truck mounted

Depth (ft.)	Soil Type	Undisturbed	Bulk	<div style="display: flex; justify-content: space-between; font-size: 0.8em;"> 2" Ring Sample 2.5" Ring Sample Terzaghi Split Spoon Sample Bulk Sample </div>	Blows / Foot	N ₆₀	Dry Density (pcf)	Moisture Content (%)	Expansion Index	Particle Size (% fines)	Unconfined - q _u (psf)	Atterberg Limits	
				<div style="display: flex; justify-content: space-between;"> Perched Water Table Static Water Table Water Encountered During Drilling </div>								<div style="display: flex; justify-content: space-between;"> Change in Soil Classification Gradation or Minor Change in Classification </div>	L.L.
40													
45													
50	BR			Gray purisima formation sandstone	50/4"			26.2					
51					50/1"			31.1					
55													
60				Boring terminated at a depth of 52 1/2 feet. Groundwater was sealed out during drilling and not recorded.									
65													
70													



LEGEND

- Af - Non-engineered Fill
- Qa - Alluvium
- Tp - Purisima Formation
- ? - Queried Where Approximate
- B-X - Exploratory Boring



Scale 1" = 20'
Horizontal = Vertical

BUTANO

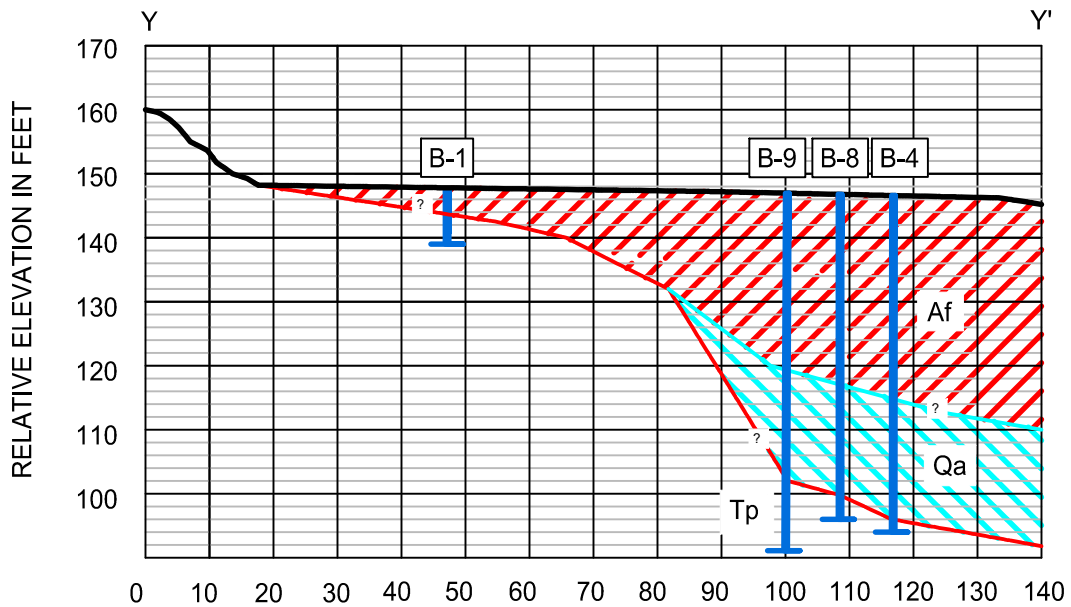
GEOTECHNICAL ENGINEERING, INC.

CROSS SECTION 'X'

2202 Soquel Avenue

FIGURE

B-12



LEGEND

- Af - Non-engineered Fill
- Qa - Alluvium
- Tp - Purisima Formation
- ? - Queried Where Approximate
- B-X - Exploratory Boring



Scale 1" = 30'
Horizontal = Vertical

NOTE

Boring B-1 is 80' offset from cross-section

BUTANO

GEOTECHNICAL ENGINEERING, INC.

CROSS SECTION 'Y'

2202 Soquel Avenue

FIGURE

B-13

APPENDIX C

LABORATORY TESTING PROGRAM

Laboratory Testing Procedures

Page C-1

Particle Size Analysis

Figures C-1 to C-4

LABORATORY TESTING PROCEDURES

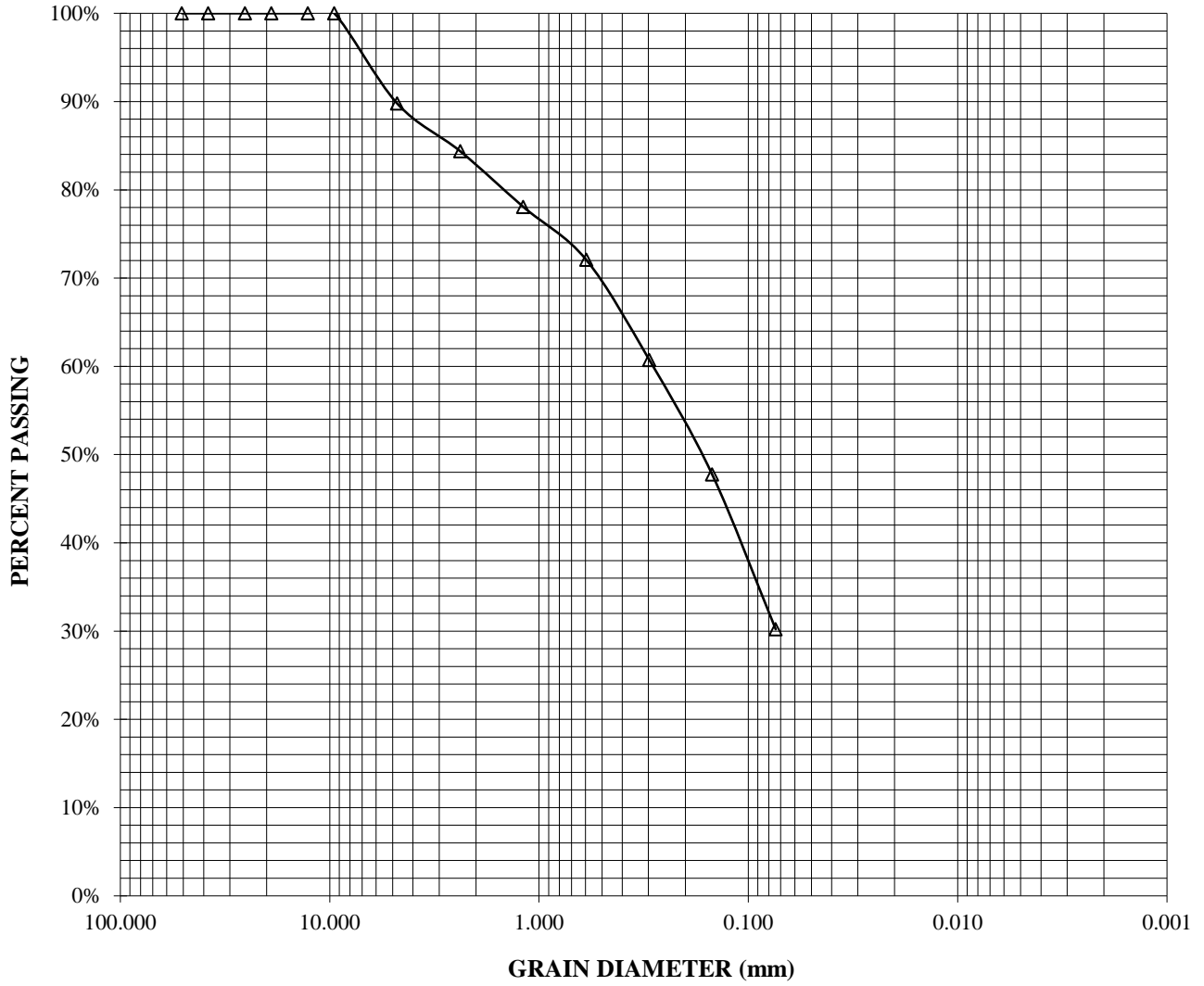
Classification

Soils were classified according to the Unified Soil Classification System in accordance with ASTM D 2487 and D 2488. Moisture content and density determinations were made for representative samples in accordance with ASTM D 2216. Results of moisture density determinations, together with classifications, are shown on the Boring Logs, Figures B-3 through B-12b.

Particle Size Analysis

Four sieves were performed on representative sample in accordance with ASTM C 117 and C 136. The grain size distributions from the results of the particle size analyses are shown on Figures C-1 through C-4.

BORING:	B2-3	PERCENT	PERCENT
DEPTH (ft):	5.0	PASSING No. 4	PASSING No. 200
SOIL TYPE (USCS):	SM	89.8%	30.2%

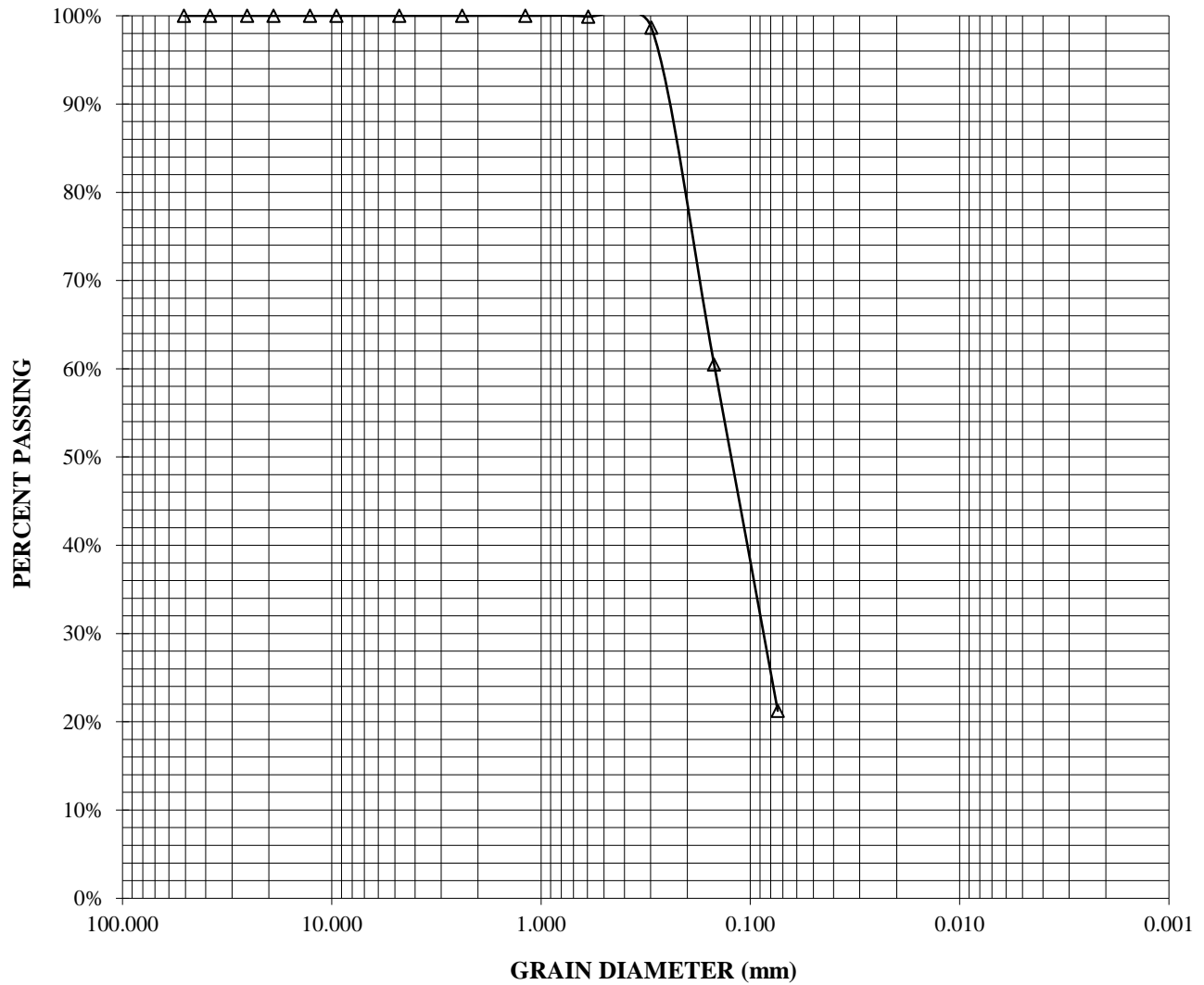


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 GEOTECHNICAL ENGINEERING, INC.

GRAIN SIZE DISTRIBUTION
 2202 Soquel Ave

FIGURE
 C-1

BORING:	B4-4	PERCENT	PERCENT
DEPTH (ft):	25.0	PASSING No. 4	PASSING No. 200
SOIL TYPE (USCS):	SM	100.0%	21.3%

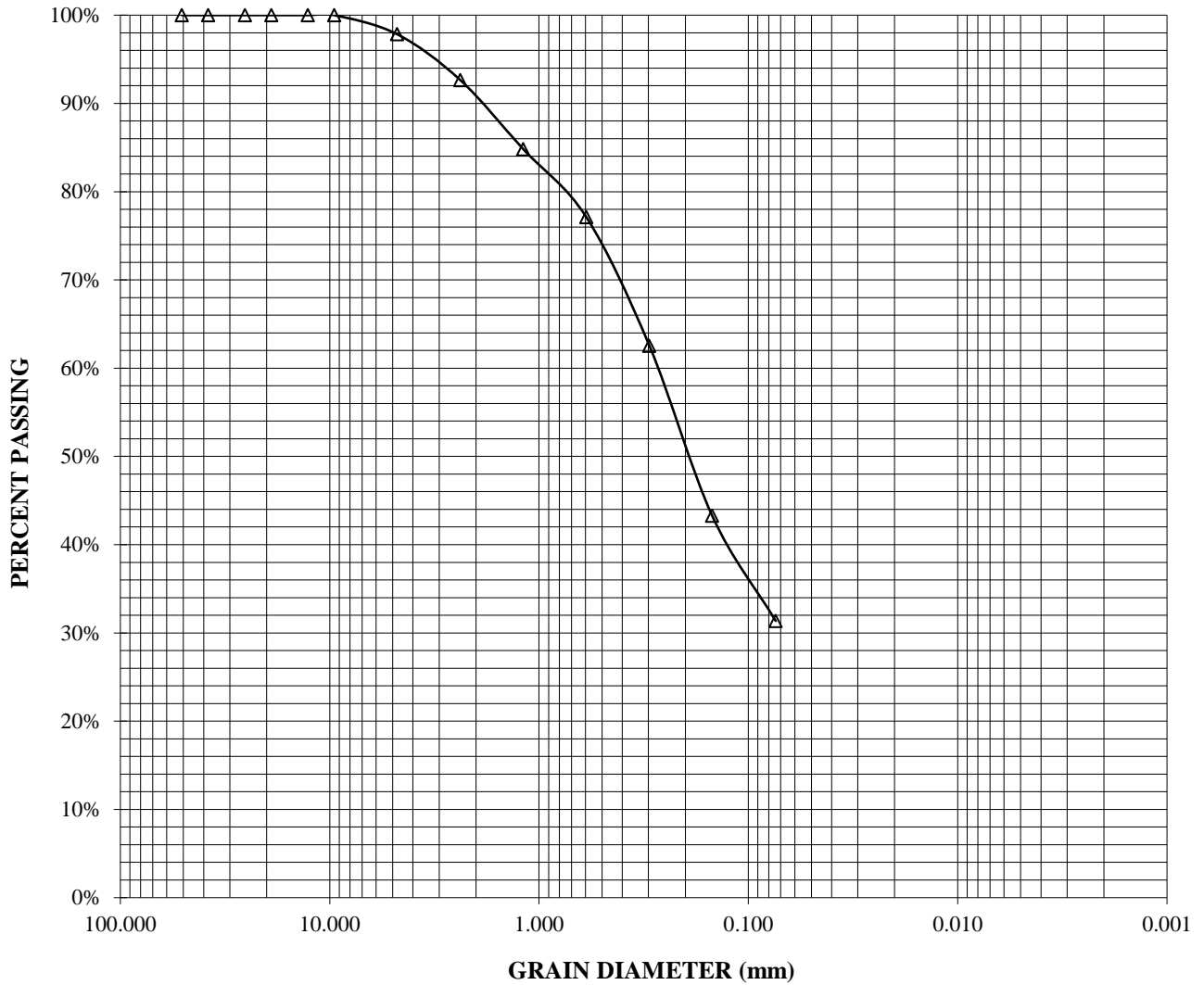


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GRAIN SIZE DISTRIBUTION
 2202 Soquel Ave

FIGURE
 C-2

BORING:	B7-4	PERCENT	PERCENT
DEPTH (ft):	5.0	PASSING No. 4	PASSING No. 200
SOIL TYPE (USCS):	SM	97.8%	31.4%

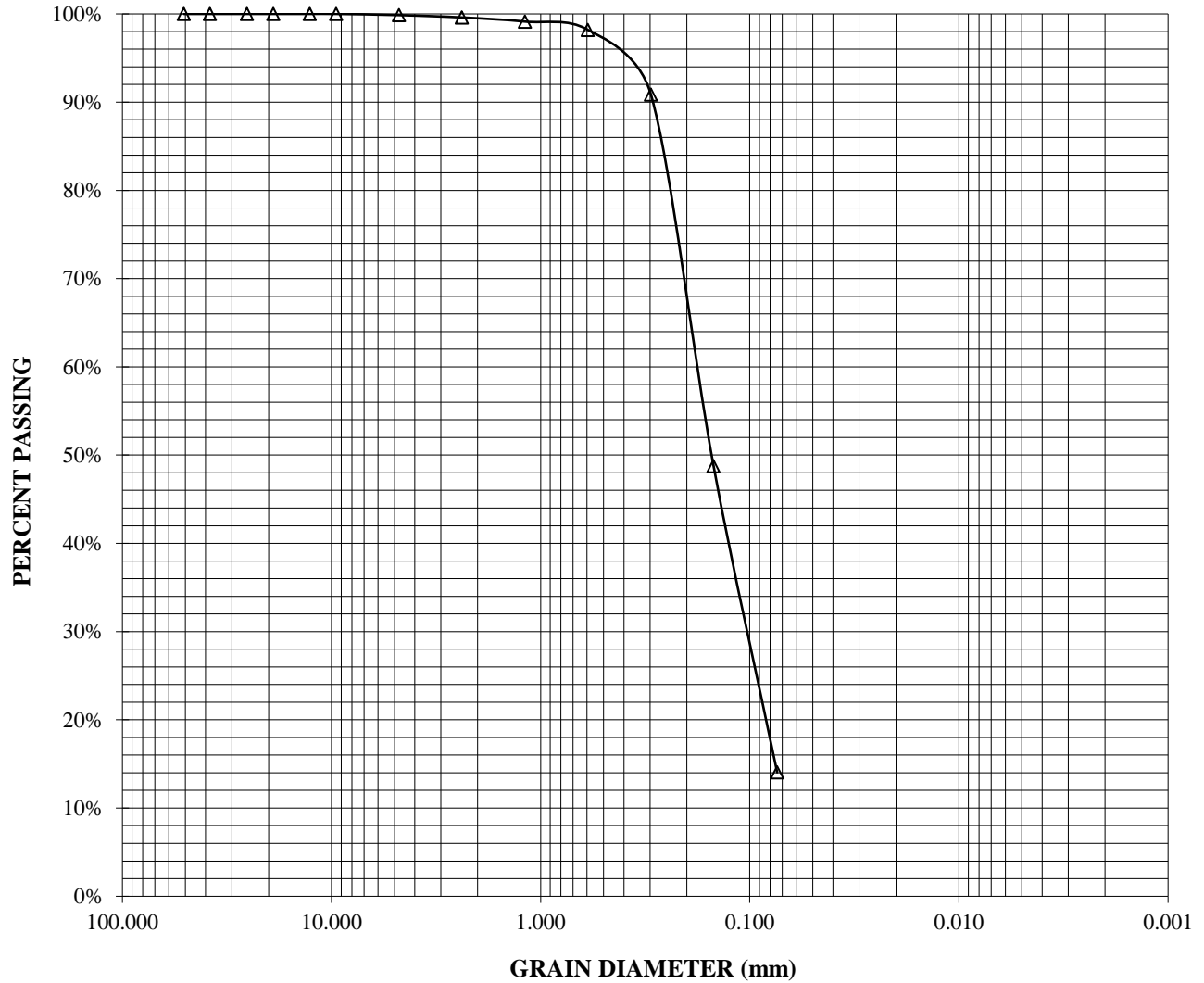


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 GEOTECHNICAL ENGINEERING, INC.

GRAIN SIZE DISTRIBUTION
 2202 Soquel Ave

FIGURE
 C-3

BORING:	B8-6	PERCENT	PERCENT
DEPTH (ft):	25.0	PASSING No. 4	PASSING No. 200
SOIL TYPE (USCS):	SM	99.9%	14.1%



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 GEOTECHNICAL ENGINEERING, INC.

GRAIN SIZE DISTRIBUTION
 2202 Soquel Ave

FIGURE
 C-4



SUPPLEMENTAL CONDITIONS

EXHIBIT "C"



County of Santa Cruz

GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS

1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073

SUPPLEMENTAL & SPECIAL CONDITIONS

PROJECT 23TI-064

The Supplemental Conditions enumerated below shall be applicable to the noted Project above and shall be enforced by County Facilities Maintenance & Project Operations with the support of County Risk Management and Counsel.

1. Contractor (Bidder) **MUST** ensure ALL Workers onsite are wearing Safety PP&E which will include Hardhats, orange or bright green safety vests, steel toed shoes, jeans or other applicable work pants, appropriate work shirt preferably with the Contractor name written on said shirt, safety glasses, and safety gloves, and ear protection when applicable.
2. Contractor (Bidder) **MUST** abide by COVID 19 Compliance regulations if and when enforced. If enforced, while walking to and from the work site or outside the work site during the day said Contractor shall ensure all Crew have and wear proper face coverings. While in the work zone area Contractor can remove face coverings if Contractor policy permits. *(Applicable to Interior Remodel or Renovation Projects)*
3. The successful Contractor (Bidder) **is required** to obtain and submit a **“Payment & Performance”** Bond for 100% of the project Bid Value. A **“Performance Bond”** is required if the value of the project exceeds \$10,000. A **“Payment Bond”** is required if the value of the project exceeds \$25,000. **Payment and Performance Bonds** are required to be submitted with the Bid. These will be requested of the apparent successful Bidder during Post Bid proceedings.
4. This project will be registered with the Department of Industrial Relations (DIR) and assigned a DIR # if the project value exceeds \$25,000. County General Services Department (GSD) will issue that # to the successful Contractor (Bidder).
5. Contractor (Bidder) shall start work at 8:00 am and cleanup the work site daily beginning at 3:30 pm. Contractor (Bidder) shall be offsite by 4:00pm unless authorized to work overtime. *Project Work Hours can be deviated if the Sponsoring Department and End Users agree on the work schedule change proposed by the Contractor (Bidder).*
6. Materials and equipment shall be staged accordingly as discussed with the Sponsoring Department.
7. Contractor (Bidder) shall define the required staging and laydown area(s) required for the duration of the project. Area shall be adequately delineated, and proper signage installed if applicable.
8. The successful Contractor (Bidder) **SHALL** collaborate with **ALL** applicable County Departments and Representatives to include Facilities Maintenance & Project Operations.
9. Contractor (Bidder) shall maintain a safe site and comply with OSHA Regulations.



County of Santa Cruz

GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS

1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073

10. Contractor (Bidder) is obligated to comply with applicable building codes and county ordinances.
11. Contractor (Bidder) is responsible for the project schedule which includes a baseline, monthly progress, and look ahead schedules throughout the project duration.
12. Change Conditions shall be discussed in advance of Contractor (Bidder) submitting any **“Proposed Change Order”** to Facilities Maintenance & Project Operations. ALL **“Proposed Change Orders”** MUST be submitted with applicable supporting documentation.
13. Contractor (Bidder) shall, at appropriate project intervals, schedule Facilities Maintenance & Project Operations to conduct a trades specific building inspection ensuring means & methods performance meets code requirements. These observations are equivalent to a typical inspection activity from the Agency Having Jurisdiction for enforcement of applicable codes.
14. Facilities Maintenance & Project Operations will inspect the quality and progress of the Contractor (Bidder) work at irregular intervals.
15. Contractor (Bidder) shall use the County **“Progress Payment Schedule of Values”** when submitting for payment. Payments can be submitted at agreed upon intervals during the project. Progress Payment Applications MUST be submitted to GSDFacilities@santacruzcountyca.gov with copy to Kristine Conley at Kristine.conley@santacruzcountyca.gov and prior to submitting a formal Progress Payment Application the Contractor (Bidder) shall submit a *“Pencil Draft”* copy to the assigned Facilities Maintenance & Project Operations Building Project Manager and Field Facilitator for review and comment.
16. Contractor (Bidder) is required by the County to pay both prevailing wages and ensure a *“Living Wage”* is paid to all who work on this project.
17. Contractor (Bidder) is required to submit Certified Payroll with all submitted invoices and/or payment applications.
18. Contractor (Bidder) will carry a current and in good standing State of California Contractors License for the work performed.
19. Contractor (Bidder) MUST be a registered Vendor of the County of Santa Cruz and have in possession prior to submitting a Bid or after award a Vendor #.
20. Contractor (Bidder) shall submit applicable certificates of insurance (COI).
21. Contractor (Bidder) will review and execute an Independent Contracting Agreement (ICA) when issued by County General Services Department (GSD) or be issued a Purchase Order (PO). Both bind the Contractor (Bidder) and County to the documents and terms and conditions of the project.
22. Project warranty on material and labor shall be extended to the County by the Contractor (Bidder) during closeout of the project. Warranty on labor and materials shall be separately defined.
23. Taxes (if applicable) shall be included in the Contractor (Bidder) Bid.
24. Facilities Maintenance & Project Operations shall provide to the Contractor a *“Notice of Substantial Completion”* at a time when the majority of the contracted work is completed and a *“Punch List”* of the work is scheduled.



County of Santa Cruz

GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS

1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073

25. Contractor (Bidder) before receiving "Retention" payment MUST have completed work to include "Punch Items" and formally submitted ALL closeout required materials and/or documents to include Warranty. AT such time County will issue a "Notice of Completion".

SPECIAL CONDITIONS:

- A. This is an abandoned facility on county property identified as 2202 & 2250 Soquel Ave. The property is adjacent to a high traffic commuter street as well as across the street from a school. Traffic control and any access restrictions shall be approved by the project manager and appropriate county agencies.
- B. Contractor (Bidder) will be responsible for security and housekeeping for the site.
- C. Contractor (Bidder) shall be responsible for all Storm Water Protection Protocol (SWPP) during the project.
- D. The Contractor (Bidder) will hold under their contract an Abatement Contractor in advance of any demolition work and will remove all identified hazardous materials.
- E. Contractor (Bidder) shall provide their own site Porta Toilets and adequate servicing operations for the toilets.



EXISTING CONDITION PHOTOGRAPHS

EXHIBIT "D"

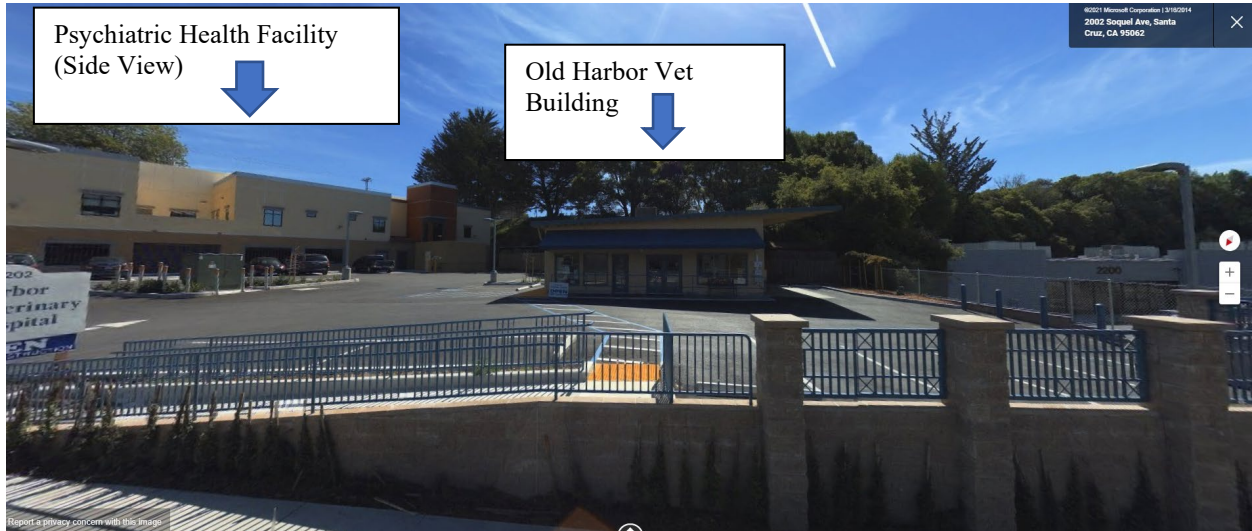


County of Santa Cruz
GENERAL SERVICES DEPARTMENT
FACILITIES MAINTENANCE & PROJECT OPERATIONS
1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073

EXISTING CONDITION PHOTOGRAPHS

PROJECT 23TI-064

BUILDING DEMOLITION & SITE GRADING





County of Santa Cruz

GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS

1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073





County of Santa Cruz

GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS

1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073





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County of Santa Cruz
GENERAL SERVICES DEPARTMENT
FACILITIES MAINTENANCE & PROJECT OPERATIONS
1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073





SCOPING OF WORK

EXHIBIT "E"



County Of Santa Cruz
GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS
1110 EMELINE AVE, SANTA CRUZ, CA 95060
(831) 454-5251 OR (831)454-5255

**SANTA CRUZ COUNTY FACILITIES MAINTENANCE &
PROJECT OPERATIONS**

SCOPING DOCUMENT

BUILDING DEMOLITION & SITE GRADING
2022 Soquel Avenue, Santa Cruz, CA

PROJECT #23TI-064

December 15, 2023

**PURCHASING * ENERGY MANAGEMENT *CONSTRUCTION PROJECT MANAGEMENT *FACILITIES MAINTENANCE
* FLEET SERVICES *EMERGENCY SERVICES *WAREHOUSE SERVICES *CUSTODIAL SERVICES *COUNTY
FIRE SERVICES *COUNTY SAFETY*



FACILITIES MAINTENANCE & PROJECTS OPERATIONS

PURPOSE:

This is the former site of the Harbor Veterinary Clinic located at 2202 Soquel Avenue, Santa Cruz, CA 95062. The building has been determined to be in poor condition and will be torn down. The lot is owned by the County of Santa Cruz, who has full site control over the property. Geological testing and environmental studies have been conducted.

The building, lot and parking are adjacent to the County of Santa Cruz Psychiatric Health Facility, which is comprised of two programs: A 16-bed, locked inpatient psychiatric unit for adults, and a 14-chair Crisis Stabilization Program for Youth and Adults who are assessed with a disposition plan developed within 24-hours of admission. Youth and Adults in the Crisis Stabilization Program are there on an involuntary hold, called a 5150. The building at 2202 Soquel will be demolished to provide space for a future use of the property, not included in the bid.

The County of Santa Cruz has developed this project Bid Package specifically in an effort to solicit qualified Contractors to review the supporting documents, participate in the Pre-Bid Job Walks, submit when applicable Pre-Bid RFI's, and compile a "Fair Market" competitive and complete Bid.

The Contractor will execute the work professionally and with an industry expected level of acceptable quality. The County of Santa Cruz submits this scoping document as a supporting document in Project 23TI-064 Bid Package.

SCOPE OF WORK:

Phase 1- Demolition

The bid shall be inclusive of the demolition of the exiting building, substructures and fencing within the building footprint. The contractor will be responsible for all entitlements, permitting, and fees associated with the demolition, with full reimbursement by the county. The bid will also include demo and disposal of all materials. The building has been tested for asbestos and hazardous materials, see attached report.

The successful bidder (Contractor) shall be responsible to disconnect, safe-off existing utilities per the Santa Cruz County Building Codes, Santa Cruz County Design Criteria (Sanitation Division & Storm Water), City of Santa Cruz Water Department Standards, and other applicable standards.

Santa Cruz County Demolition Requirements:

- All portions of the structure, including the foundation, shall be removed.
- All debris shall be removed from the lot and no debris from the demolished structure shall be visible on nearby property.
- The land shall be graded to a consistent grade, which provides adequate drainage.
- No debris shall be buried.
- No debris shall be burned.
- If connection to a public sewer exists, the building sewer shall be plugged or capped in an approved manner within 5 feet of the property line.
- All utility terminations shall be coordinated by the contractor with the utility owner and all terminations shall meet the applicable code standards. Post safe-off inspections will be conducted.
- The project shall implement best practices and other measures taken as necessary to prevent erosion.

*For codes related to Erosion Control and Sanitation abandonment see:
https://www.dpw.santacruzcounty.us/Portals/19/pdfs/Design%20Crit/2022%20DESIGNCRITERIA.pdf?ver=QjgD7YKftGKlpkn95v3_uw%3d%3d×tamp=1671064422616

*For Demolition procedures reference:
<https://www.santacruzcountyplanning.com/PlanningHome/BuildingSafety/Inspections/DemolitionInspectionProcedures.aspx>

Phase 2 – Restoration

After Demolition the project will be required to backfill the area with approved base rock and the subgrade should be compacted to a uniform density of **95 percent of the maximum density**. The project maybe required to install Christy Boxes or other terminations for utilities at the request of the Utility. The County will utilize a separate bidding process to select a construction firm to build the new facility at a later date, subject to the availability of sufficient funding to support the full costs of the project.

Base rock shall be Class 2 aggregate base to finish grade.

Bid Alternative #1 – Asphalt Paving Finish

The bidder shall provide a bid for alternate asphalt finish grade paving. The specification for asphalt concrete shall be hot mix Type A. The minimum required base course shall be 9 in of Class 2 aggregate, over 3 in of asphalt concrete. The project shall pave the project to a level finish grade.

Attachments:

- Geotech Report
- ESA Reports
- Hazardous Materials Report
- Site plans



FACILITIES MAINTENANCE & PROJECTS OPERATIONS

Contractor will upon receiving a **“Notice to Proceed”** mobilize equipment and materials necessary to perform the contracted work.

SCHEDULE:

A schedule will be furnished by the contract awardee at the start of the project.



OTHER DOCUMENTS

EXHIBIT "G"

Adviro

1038 Leigh Ave. Suite 100A
San Jose, CA 95126
Tel (408) 512-2912
info@GoAdviro.com

ACM present:

YES / NO

September 25, 2023

Attn: County of Santa Cruz

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Services: Asbestos Survey – Renovation/Demolition

- J# BAAQMD – EPA
- NESHAPS – EPA
- Cal-OSHA/OSHA

Location: Whole Site

Date: September 21st, 2023

#: 2309-67A-CSC

Site:



GoAdviro.com

Asbestos Testing

Various samples were obtained from select building materials associated with the building suspected to contain asbestos in the areas scheduled for renovation. Those samples were submitted to an accredited laboratory for analysis and characterization service using PLM and Point Counting analytical procedures.

Polarized Light Microscopy (PLM):

Bulk samples were analyzed in accordance with U.S. EPA "Test Method for Determination of Asbestos in Bulk Building Materials, 1993," with inclusion of area percent estimates of the sample components. The use of the McCrone Color Dispersion Staining Technique supplements the analysis when considered useful by the analyst. The samples are prepared with refractive immersion oil and are examined under Polarized Light Microscopy (PLM). The accuracy of the visual estimate method is 1%

As per the standard "...The accuracy in the determination of the presence or absence of asbestos of greater than 1 area percent asbestos is greater than 99%." ASTM committee D22.05, 1/18/88, *Standard Method of Testing for Asbestos Containing Materials by Polarized Light Microscopy*.

Point Counting (PC):

The Point Counting method is a much more accurate analytical method for determining the percent of asbestos in a particular material. The laboratory uses a muffle furnace to ash the sample and remove organic compounds. Hydrochloric acid is used to dissolve some of the non-asbestos minerals. If the Point Count Method determines that the material contains less than 1% asbestos, the material being analyzed can be treated as non-hazardous asbestos containing construction waste.

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Asbestos Survey – Reno/Demo

Location: Whole Site

Date: September 21st, 2023

#: 2309-67A-CSC



Materials Sampled

PLM Analysis

<u>Layers</u>	<u>Material</u>	<u>Color</u>	<u>Location</u>
7	Drywall	White	<i>Walls</i>
7	Joint Compound/Texture	White	
3	Vinyl Sheet Flooring	Beige	<i>Floors</i>
3	Mastic	Beige	
3	Grout	Gray	<i>X-Ray Room</i>
3	Mastic	Black	<i>Storage</i>
2	Tile	Beige	
1	Underlayment	Gray	
3	Ceiling Tile	White	<i>Lobby & X-Ray Room</i>
3	Mastic	Brown	<i>Bathroom</i>
3	Cement Foundation	Gray	<i>Foundation</i>
3	Roofing	Black	<i>Roof</i>
2	Tar	Black	
1	Roof Felt	Black	
1	Coating	White	
1	Roof Insulation	Tan	
3	Roofing	Black/Red	<i>Shed</i>
3	Stucco	Gray	<i>Exterior</i>
3	Formica	Gray	<i>Lobby</i>
3	Mastic	Beige	

58 – Total Layers – PLM Analyzed

Point Count Analysis

<u>Layers</u>	<u>Material</u>	<u>Color</u>	<u>Location</u>
14	Mastic	Black	<i>Storage</i>
15			
16			

3 – Total Layers – Point Count Analyzed

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Asbestos Survey – Reno/Demo

Location: Whole Site

Date: September 21st, 2023

#: 2309-67A-CSC



Asbestos Results *Complete lab results attached*

PACM – Presumed Asbestos-Containing Material

Regulated by EPA & OSHA

Material	Color	Location	Approx. Amount
None Identified			
<p><i>*TSI-insulation material and/or transite cement piping/material may remain hidden within walls and structure. During the course of demolition remain alert to notice these materials. Contact ADVIRO immediately if any new suspect material is identified.</i></p> <p><i>**transite asbestos cement piping/material can become friable (RACM) when broken or damaged. If broken or damaged transite material is friable. When it is intact and in good condition, Category II asbestos-containing materials are not considered a regulated asbestos-containing material (RACM). Disposal requirements and regulations still apply.</i></p>			

ACM – Asbestos Containing Material *greater than > 1%*

Regulated by EPA & OSHA

Sample	Layer	Material	Location	Asbestos	Approx. Amount
None Detected					

ACCM – Asbestos Containing Construction Material *less than < 1%*

Regulated by OSHA, not regulated by EPA

Sample	Layer From PLM	Material	Location	Asbestos
14 15 16	1	Mastic <i>Black</i>	Storage	<i>PLM – 2% CHRYSOTILE</i> PC – 0.50% CHRYSOTILE <i>*PC results are final results</i>

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Asbestos Survey – Reno/Demo

Location: Whole Site

Date: September 21st, 2023

#: 2309-67A-CSC

Waste Characterization of ACM

Material	Estimated Quantity	Cal-OSHA-OSHA			BAAQMD-EPA		
		TSI	Surfacing	Miscellaneous / Other	RACM friable	Category I non-friable	Category II non-friable
<i>None Identified & None Detected</i>							

**non-friable (Category I & II) can become friable (RACM) when removed by mechanical means. Waste re-categorization is subject to review with Adviro CAC as the definition and methods for mechanical means commonly vary due to materials, conditions, tools, and scope of work.*

***transite asbestos cement piping/material can become friable (RACM) when broken or damaged. If broken or damaged transite material is friable. However, abatement is not required when removed intact however handling and disposal procedures, requirements and regulations still apply.*

****quantities are field estimates; total quantities must be confirmed with a contractor*

Site: 2202 Soquel Ave., Santa Cruz, CA 95062
Service: Asbestos Survey – Reno/Demo
Location: Whole Site
Date: September 21st, 2023
#: 2309-67A-CSC

Terms of Service

Asbestos

The handling, work practices, and disposal of asbestos is regulated and restricted by certain governmental agencies.

BAAQMD and EPA regulate asbestos containing materials at greater than >1%. Cal-OSHA regulates occupational exposure to asbestos at less than <1%. BAAQMD will require that all asbestos greater than >1% must be removed from the residence prior to scheduled renovation/demolition activity.

Cal-OSHA will require that the contractor performing the renovation or demolition on the structure must protect their employees from asbestos exposure in accordance with the Asbestos In Construction Standard 1529.1101.

ALL work involving asbestos should be performed by a DOSH licensed asbestos contractor.

Limitations

The inspection or testing performed maybe inherently limited in scope and nature. No guarantee is expressed or implied that all asbestos has been identified in the building or at the subject property. Inaccessible areas of the building underneath floor, behind walls, above ceilings were not inspected or subject to testing. If you have any questions, please contact ADVIRO.

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Asbestos Survey – Reno/Demo

Location: Whole Site

Date: September 21st, 2023

#: 2309-67A-CSC

Respectfully Submitted,



Frank Valerga, Certified Environmental Consultant
Advanced Environmental, LLC dba: **ADVIRO**

Certified Asbestos Consultant #14-5279
State of California Division of Occupation Safety and Health

Lead Inspector/Assessor #21965
State of California Department of Public Health

The following supporting documents are attached to this report:

- Asbestos Classifications Definitions
- Asbestos Regulators
- Laboratory Analytical Reports
- Photographs of Site and Sample Locations
- Floorplan Showing Sample Locations
- Certifications of CAC and SST Performing This Survey
- ADVIRO Insurance Information

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Asbestos Survey – Reno/Demo

Location: Whole Site

Date: September 21st, 2023

#: 2309-67A-CSC



Asbestos Classifications Definitions

Homogenous Materials

Homogenous Materials	Materials sampled are representative of all correlating homogenous areas. Homogenous areas of material are defined by the same recurring material that may appear throughout site and are limited to one building; some materials may require additional sampling.
-----------------------------	--

Waste Characterization

ACM	(Asbestos Containing Material) – Commercial asbestos product containing more than 1% asbestos. ACM must be disposed as hazardous waste. Note: Federal OSHA and Cal-OSHA control materials containing any amount of asbestos.
ACBM	(Asbestos Containing Building Material) – AHERA/ASHARA term for material containing more than 1% asbestos in or on interior structural members or other structural components. Includes covered walkways, porticos and exterior HVAC TSI.
ACCM	(Asbestos Containing Construction Material) – California term for a manufactured construction material containing greater than .1% (one tenth of one percent) asbestos.
PACM	(Presumed Asbestos Containing Material) OSHA considers all TSI and surfacing materials installed prior to 1980 to be ACM unless proven otherwise.
Friable	Asbestos Containing Material that can be crumbled pulverized or reduced to powder by hand pressure when dry.
NOA	Naturally Occurring Asbestos. CARB defines as having >.25% by point counting.
ACM	CARB term for naturally occurring asbestos >.25% by point counting.
DACM	Designated Asbestos Containing Material: Floor-tile installed before 1981.

AHERA & OSHA Asbestos Categories

(used by EPA AHERA/ASHARA and OSHA/Cal-OSHA)

TSI	(Thermal System Insulation) - "Thermal system insulation (TSI)" means ACM applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain. "Thermal system insulation ACM" is thermal system insulation which contains more than 1% asbestos.
Surface (usually mixed on-site at time of application)	"Surfacing material" means material that is sprayed, troweled-on or otherwise applied to surfaces (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes). "Surfacing ACM" means surfacing material which contains more than 1% asbestos. NOTE: OSHA/Cal-OSHA do not classify skim coat, taping mud, floor tile mastic, stucco, leveling compound, and hard wall plasters or wall texturing as surfacing.
Miscellaneous	All other ACM, including classify taping mud, floor tile mastic, stucco, leveling compound, and hard wall plasters or wall texturing as surfacing.

NESHAPS Asbestos Categories

(used by Air Quality Management Districts for Renovation and Demolition)

Category I	Cat I Non-friable Asbestos Containing Material (ACM) refers to asbestos containing packing, gaskets, resilient floor covering, Galbestos, and asphalt roofing products containing more than 1% asbestos.
Category II	Cat II Non-friable Asbestos-Containing Material (ACM) is any material that is not Cat I that contains greater than 1% asbestos.
RACM	"Regulated Asbestos-Containing Material." – Friable manufactured asbestos material (ACM) or a Category I non-friable ACM that has become friable OR a Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading OR Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations. RACM should be removed prior to renovation or demolition.

Adviro

Asbestos Regulators

	EPA		OSHA	Cal-OSHA	DTSC	BAAQMD	CARB
	AHERA	NESHAP					
Facilities	Schools, K-12 public and private	All except for residential bldgs of ≤4	All where employees are present	All in California employees are present	None concerned with waste only	All including residential of ≤4 units	Naturally occurring asbestos
Trigger Amount of Asbestos	>1%	>1%	>0%	>0%	>1%	>1%	>0.25%
Requires Asbestos Building Survey	Yes	Yes	Yes	Yes	No	Yes	No
Sampling Protocol	Yes 3, 5, 7 Rule for surfacing, 3 Samples for TSI, 1 for TSI patches <6ft. or 6 sq/ft "in a manner sufficient to determine for TSI Mudded Connections and Miscellaneous Materials"	No	Yes for PACM (AHERA Protocol)	Yes for PACM (AHERA Protocol)	No	Yes (AHERA Protocol)	Yes



Customer: Adviro (4717)
Address: 1038 Leigh Ave
Unit 100A
San Jose, CA 95126

Order #: 533374

Received 09/22/23
Analyzed 09/22/23
Reported 09/22/23

Attn:

PO Number: CA 95062

Project: County Of Santa Cruz
Location: 2202 Soquel Ave. Santa Cruz
Number: 2309-67A

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
533374-001	09/21/23	01	2202 Soquel Ave		

Layer 1:	Drywall White, Powdery	No Asbestos Detected	8% CELLULOSE FIBER 92% NON FIBROUS MATERIAL
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Layer 2:	Joint Compound/ Texture White, Granular	No Asbestos Detected	100% NON FIBROUS MATERIAL
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Unable to separate individual layers.

533374-002	09/21/23	02	2202 Soquel Ave		
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Layer 1:	Drywall White, Powdery	No Asbestos Detected	8% CELLULOSE FIBER 92% NON FIBROUS MATERIAL
----------	---------------------------	----------------------	--

Layer 2:	Joint Compound/ Texture White, Granular	No Asbestos Detected	100% NON FIBROUS MATERIAL
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Unable to separate individual layers.

533374-003	09/21/23	03	2202 Soquel Ave		
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Layer 1:	Drywall White, Powdery	No Asbestos Detected	8% CELLULOSE FIBER 92% NON FIBROUS MATERIAL
----------	---------------------------	----------------------	--

Layer 2:	Joint Compound/ Texture White, Granular	No Asbestos Detected	100% NON FIBROUS MATERIAL
----------	--	----------------------	---------------------------

Unable to separate individual layers.

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any friable sample with an asbestos content less than 10 percent be verified by Point Count or TEM Analysis. The EPA recommends that any attic loose fill vermiculite should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the laboratory. The test results apply to the sample as received.

Project: County Of Santa Cruz
Location: 2202 Soquel Ave. Santa Cruz
Number: 2309-67A

PO Number: CA 95062

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
533374-004	09/21/23	04	2202 Soquel Ave		

Layer 1: Drywall
 White, Powdery
 No Asbestos Detected
 8% CELLULOSE FIBER
 92% NON FIBROUS MATERIAL

Layer 2: Joint Compound/ Texture
 White, Granular
 No Asbestos Detected
 100% NON FIBROUS MATERIAL

Unable to separate individual layers.

533374-005	09/21/23	05	2202 Soquel Ave		
-------------------	----------	----	-----------------	--	--

Layer 1: Drywall
 White, Powdery
 No Asbestos Detected
 8% CELLULOSE FIBER
 92% NON FIBROUS MATERIAL

Layer 2: Joint Compound/ Texture
 White, Granular
 No Asbestos Detected
 100% NON FIBROUS MATERIAL

Unable to separate individual layers.

533374-006	09/21/23	06	2202 Soquel Ave		
-------------------	----------	----	-----------------	--	--

Layer 1: Drywall
 White, Powdery
 No Asbestos Detected
 8% CELLULOSE FIBER
 92% NON FIBROUS MATERIAL

Layer 2: Joint Compound/ Texture
 White, Granular
 No Asbestos Detected
 100% NON FIBROUS MATERIAL

Unable to separate individual layers.

533374-007	09/21/23	07	2202 Soquel Ave		
-------------------	----------	----	-----------------	--	--

Layer 1: Drywall
 White, Powdery
 No Asbestos Detected
 8% CELLULOSE FIBER
 92% NON FIBROUS MATERIAL

Layer 2: Joint Compound/ Texture
 White, Granular
 No Asbestos Detected
 100% NON FIBROUS MATERIAL

Unable to separate individual layers.

533374-008	09/21/23	08	2202 Soquel Ave		
-------------------	----------	----	-----------------	--	--

Layer 1: Vinyl Sheet Flrng
 Beige, Org.Bound/Fibrous
 No Asbestos Detected
 20% CELLULOSE FIBER
 20% MINERAL/GLASS WOOL
 60% NON FIBROUS MATERIAL

Sample was inhomogenous, subsamples of each component were analyzed separately.

Layer 2: Mastic
 Beige, Soft
 No Asbestos Detected
 100% NON FIBROUS MATERIAL

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any friable sample with an asbestos content less than 10 percent be verified by Point Count or TEM Analysis. The EPA recommends that any attic loose fill vermiculite should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the laboratory. The test results apply to the sample as received.

Project: County Of Santa Cruz
Location: 2202 Soquel Ave. Santa Cruz
Number: 2309-67A

PO Number: CA 95062

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
533374-009	09/21/23	09	2202 Soquel Ave		
Layer 1:	Vinyl Sheet Flrng			No Asbestos Detected	20% CELLULOSE FIBER
	Beige, Org.Bound/Fibrous				20% MINERAL/GLASS WOOL
					60% NON FIBROUS MATERIAL
Sample was inhomogenous, subsamples of each component were analyzed separately.					
Layer 2:	Mastic			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Beige, Soft				
533374-010	09/21/23	10	2202 Soquel Ave		
Layer 1:	Vinyl Sheet Flrng			No Asbestos Detected	20% CELLULOSE FIBER
	Beige, Org.Bound/Fibrous				20% MINERAL/GLASS WOOL
					60% NON FIBROUS MATERIAL
Sample was inhomogenous, subsamples of each component were analyzed separately.					
Layer 2:	Mastic			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Beige, Soft				
533374-011	09/21/23	11	X-Ray Room		
Layer 1:	Grout			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard/Granular				
533374-012	09/21/23	12	X-Ray Room		
Layer 1:	Grout			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard/Granular				
533374-013	09/21/23	13	X-Ray Room		
Layer 1:	Grout			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard/Granular				
533374-014	09/21/23	14	Storage		
Layer 1:	Mastic			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
	Black, Bituminous				
Layer 2:	Tile			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Beige, Organically Bound				
	No gray underlayment found.				

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any friable sample with an asbestos content less than 10 percent be verified by Point Count or TEM Analysis. The EPA recommends that any attic loose fill vermiculite should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the laboratory. The test results apply to the sample as received.

Project: County Of Santa Cruz
Location: 2202 Soquel Ave. Santa Cruz
Number: 2309-67A

PO Number: CA 95062

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
533374-015	09/21/23	15	Storage		
Layer 1:	Mastic Black, Bituminous			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
Layer 2:	Underlayment Gray, Hard/Granular No beige tile found.			No Asbestos Detected	100% NON FIBROUS MATERIAL
533374-016	09/21/23	16	Storage		
Layer 1:	Mastic Black, Bituminous			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
Layer 2:	Tile Beige, Organically Bound No gray underlayment found.			No Asbestos Detected	100% NON FIBROUS MATERIAL
533374-017	09/21/23	17	Lobby + X-Ray Room		
Layer 1:	Ceiling Tile White, Fibrous			No Asbestos Detected	40% CELLULOSE FIBER 40% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
533374-018	09/21/23	18	Lobby + X-Ray Room		
Layer 1:	Ceiling Tile White, Fibrous			No Asbestos Detected	40% CELLULOSE FIBER 40% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
533374-019	09/21/23	19	Lobby + X-Ray Room		
Layer 1:	Ceiling Tile White, Fibrous			No Asbestos Detected	40% CELLULOSE FIBER 40% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
533374-020	09/21/23	20	Bathroom		
Layer 1:	Mastic Brown, Soft			No Asbestos Detected	100% NON FIBROUS MATERIAL
533374-021	09/21/23	21	Bathroom		
Layer 1:	Mastic Brown, Soft			No Asbestos Detected	100% NON FIBROUS MATERIAL
533374-022	09/21/23	22	Bathroom		
Layer 1:	Mastic Brown, Soft			No Asbestos Detected	100% NON FIBROUS MATERIAL

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any friable sample with an asbestos content less than 10 percent be verified by Point Count or TEM Analysis. The EPA recommends that any attic loose fill vermiculite should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the laboratory. The test results apply to the sample as received.

Project: County Of Santa Cruz
Location: 2202 Soquel Ave. Santa Cruz
Number: 2309-67A

PO Number: CA 95062

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
533374-023	09/21/23	23	Foundation		
Layer 1:	Cement Foundation			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard				
533374-024	09/21/23	24	Foundation		
Layer 1:	Cement Foundation			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard				
533374-025	09/21/23	25	Foundation		
Layer 1:	Cement Foundation			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard				
533374-026	09/21/23	26	Roof		
Layer 1:	Roofing			No Asbestos Detected	80% NON FIBROUS MATERIAL
	Black, Granular/Bituminous/Fibrous				20% SYNTHETIC FIBER
	No insulation or coating found.				
	Sample was inhomogenous, subsamples of each component were analyzed separately.				
Layer 2:	Tar			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Black, Bituminous				
Layer 3:	Roof Felt			No Asbestos Detected	40% MINERAL/GLASS WOOL
	Black, Bituminous/Fibrous				60% NON FIBROUS MATERIAL
533374-027	09/21/23	27	Roof		
Layer 1:	Roofing			No Asbestos Detected	60% NON FIBROUS MATERIAL
	Black, Bituminous/Fibrous				40% SYNTHETIC FIBER
	No insulation and tar found.				
Layer 2:	Coating			No Asbestos Detected	100% NON FIBROUS MATERIAL
	White, Soft				

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any friable sample with an asbestos content less than 10 percent be verified by Point Count or TEM Analysis. The EPA recommends that any attic loose fill vermiculite should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the laboratory. The test results apply to the sample as received.

Project: County Of Santa Cruz
Location: 2202 Soquel Ave. Santa Cruz
Number: 2309-67A

PO Number: CA 95062

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
533374-028	09/21/23	28	Roof		
Layer 1:	Roofing			No Asbestos Detected	60% NON FIBROUS MATERIAL
	Black, Granular/Bituminous/Fibrous				40% SYNTHETIC FIBER
	No coating found.				
Sample was inhomogenous, subsamples of each component were analyzed separately.					
Layer 2:	Tar			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Black, Bituminous				
Layer 3:	Roof Insulation			No Asbestos Detected	60% CELLULOSE FIBER
	Tan, Fibrous				20% MINERAL/GLASS WOOL
					20% NON FIBROUS MATERIAL
533374-029	09/21/23	29	Shed		
Layer 1:	Roofing			No Asbestos Detected	20% MINERAL/GLASS WOOL
	Black/Red, Granular/Bituminous/Fibrous				80% NON FIBROUS MATERIAL
Sample was inhomogenous, subsamples of each component were analyzed separately.					
533374-030	09/21/23	30	Shed		
Layer 1:	Roofing			No Asbestos Detected	20% MINERAL/GLASS WOOL
	Black/Red, Granular/Bituminous/Fibrous				80% NON FIBROUS MATERIAL
Sample was inhomogenous, subsamples of each component were analyzed separately.					
533374-031	09/21/23	31	Shed		
Layer 1:	Roofing			No Asbestos Detected	20% MINERAL/GLASS WOOL
	Black/Red, Granular/Bituminous/Fibrous				80% NON FIBROUS MATERIAL
Sample was inhomogenous, subsamples of each component were analyzed separately.					
533374-032	09/21/23	32	Exterior		
Layer 1:	Stucco			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard/Granular				
533374-033	09/21/23	33	Exterior		
Layer 1:	Stucco			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard/Granular				
533374-034	09/21/23	34	Exterior		
Layer 1:	Stucco			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Gray, Hard/Granular				

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any friable sample with an asbestos content less than 10 percent be verified by Point Count or TEM Analysis. The EPA recommends that any attic loose fill vermiculite should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the laboratory. The test results apply to the sample as received.

Project: County Of Santa Cruz
Location: 2202 Soquel Ave. Santa Cruz
Number: 2309-67A

PO Number: CA 95062

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
533374-035	09/21/23	35	Lobby		
Layer 1:	Formica			No Asbestos Detected	75% CELLULOSE FIBER
	Gray, Hard/Fibrous				25% NON FIBROUS MATERIAL
Layer 2:	Mastic			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Beige, Soft				
533374-036	09/21/23	36	Lobby		
Layer 1:	Formica			No Asbestos Detected	75% CELLULOSE FIBER
	Gray, Hard/Fibrous				25% NON FIBROUS MATERIAL
Layer 2:	Mastic			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Beige, Soft				
533374-037	09/21/23	37	Lobby		
Layer 1:	Formica			No Asbestos Detected	75% CELLULOSE FIBER
	Gray, Hard/Fibrous				25% NON FIBROUS MATERIAL
Layer 2:	Mastic			No Asbestos Detected	100% NON FIBROUS MATERIAL
	Beige, Soft				

EPA Regulatory Limit: 1%
Total layers analyzed on order: 58

533374-09/22/23 02:06 PM



Analyst **Senhory Abdellatif**



Reviewed By: **Thoria Nadiem**
Analyst

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any friable sample with an asbestos content less than 10 percent be verified by Point Count or TEM Analysis. The EPA recommends that any attic loose fill vermiculite should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the laboratory. The test results apply to the sample as received.



SCHNEIDER LABORATORIES GLOBAL, INC.

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X 37
533374
V:5331533374
ielamin 9/22/2023 9:34:39 AM
UPS 1Z2E2899847028137

Submitting Co. ADVIRO	Lab WO#	Phone 408-512-2912
1038 Leigh Ave. #100A	Acct # 4717	Fax / Email reports@goadviro.com
San Jose, CA 95126	**State of Collection California	**Cert. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: County of Santa Cruz	Special Instructions [include requests for special reporting or data packages]	
Project Location: 2202 Soquel Ave. Santa Cruz, CA 95062		
Project Number: 2309-67A		
PO Number:		

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
2 hours* <input checked="" type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts	Asbestos Bulk / Asb ID	Metals-Total Conc.
		<input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Mold Analysis	<input checked="" type="checkbox"/> PLM (EPA 600/R-93/116) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.11.4/1.6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> <input type="checkbox"/> Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/>
		FOR ASBESTOS AIR: TYPE OF RESPIRATOR _____ USED: _____		

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
01	9/21/23	11:10 am	DW/JC/tst - Walls							
02		11:10 am								
03		11:12 am								
04		11:14 am								
05		11:15 am								
06		11:16 am								
07		11:17 am								
08		11:21 am	VSF - Floors							
09		11:22 am								
10		11:23 am								
11		11:02 am	grout - x-ray room							
12		11:02 am								

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters (time in min * flow in L/min)

Sampled by NAME Michael Sanchez SIGNATURE <i>[Signature]</i> DATE/TIME 9/21/23 @ 1:27 pm	Relinquished to lab by NAME _____ SIGNATURE _____ DATE/TIME _____	Sample Disposal <small>If samples over req. weight (Refer to Fee Schedule)</small> <input type="checkbox"/> Return to Sender (Shipping fees) <input type="checkbox"/> Disposal by lab (\$50 fee) Shipping Methods <input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: _____
---	--	---

Sample return requested Ambient temp Ice CI R S X Receive a physical copy of report.
 Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.



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 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
 www.slabin.com e-mail: info@slabin.com

WO Label

Submitting Co. ADVIRO	Lab WO#	Phone 408-512-2912
1038 Leigh Ave. #100A	Acct # 4717	Fax / Email reports@goadviro.com
San Jose, CA 95126	**State of Collection California	**Cert. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: SAME AS FRONT	Special Instructions [include requests for special reporting or data packages]	
Project Location:		
Project Number: 2369-67A		
PO Number:		

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
2 hours* <input checked="" type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Mold Analysis	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600/R-93/116) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> <input type="checkbox"/> Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/>

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
13	9/21/23	11:03am	grout - x-ray room							
14		11:05am	Mastic - storage							
15		11:06am								
16		11:07am								
17		11:24am	Acoustical ceiling tiles - lobby & x-ray room							
18		11:26am								
19		11:27am								
20		11:40am	gypsum board mastic - Bathroom							
21		11:11am								
22		11:12am								
23		11:16am	Cement - foundation							
24		11:17am								

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters (time in min * flow in L/min)

Sampled by NAME <u>Michael Sanchez</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>9/21/23 @ 1:40pm</u>	Relinquished to lab by NAME _____ SIGNATURE _____ DATE/TIME _____	Sample Disposal <small>If samples over req. weight (Refer to Fee Schedule)</small> <input type="checkbox"/> Return to Sender (Shipping fees) <input type="checkbox"/> Disposal by lab (\$50 fee) Shipping Methods <input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: _____
<input checked="" type="checkbox"/> Sample return requested <input type="checkbox"/> Ambient temp <input type="checkbox"/> Ice <input type="checkbox"/> CI <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> X <input type="checkbox"/> Receive a physical copy of report.		

¹Temperature taken with IR Gun A. ^{**}Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.



SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117
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 www.slabinc.com e-mail: info@slabinc.com

WO Label

Submitting Co. ADVIRO	Lab WO#	Phone 408-512-2912
1038 Leigh Ave. #100A	Acct # 4717	Fax / Email reports@goadviro.com
San Jose, CA 95126	**State of Collection California	**Cert. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: SAME AS FRONT	Special Instructions [include requests for special reporting or data packages]	
Project Location:		
Project Number: 2304-67A		
PO Number:		

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input checked="" type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts	Asbestos Bulk / Asb ID	Metals-Total Conc.
		<input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Mold Analysis	<input checked="" type="checkbox"/> PLM (EPA 600/R-93/116) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.11.4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED: _____	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/> _____

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
25	9/21/23	11:17am	Cement - foundation							
26		10:47am	Roofing - roof							
27		10:49am	↓							
28		10:51am	↓							
29		11:30am	Roofing - sled							
30		11:31am	↓							
31		11:32am	↓							
32		11:19am	Stucco - Exterior							
33		11:20am	↓							
34		11:21am	↓							
35		11:35am	Formica - lobby							
36		11:36am	↓							

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by NAME <u>Michael Sanchez</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>9/21/23 @ 1:46pm</u>	Relinquished to lab by NAME _____ SIGNATURE _____ DATE/TIME _____	Sample Disposal <small>If samples over red. weight (Refer to Fee Schedule)</small> <input type="checkbox"/> Return to Sender (Shipping fees) <input type="checkbox"/> Disposal by lab (\$50 fee) Shipping Methods <input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: _____
--	--	---



Customer: Adviro (4717)
Address: 1038 Leigh Ave
Unit 100A
San Jose, CA 95126

Order #:	533735
-----------------	--------

Received 09/22/23
Analyzed 09/25/23
Reported 09/25/23

Attn:

PO Number: CA 95062

Project: County Of Santa Cruz
Location: 2202 Soquel Ave. Santa Cruz
Number: 2309-67A

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763 with Point Count **PLM Analysis**

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
533735-001	09/21/23	14	Storage		
Layer 1: Mastic Black, Bituminous, Homogenous				0.50% CHRYSOTILE	99.50% NON FIBROUS MATERIAL
533735-002	09/21/23	15	Storage		
Layer 1: Mastic Black, Bituminous, Homogenous				0.50% CHRYSOTILE	99.50% NON FIBROUS MATERIAL
533735-003	09/21/23	16	Storage		
Layer 1: Mastic Black, Bituminous, Homogenous				0.50% CHRYSOTILE	99.50% NON FIBROUS MATERIAL

EPA Regulatory Limit: 1%
Total layers analyzed on order: 3

Analyst **Senhory Abdellatif**

533735-09/25/23 06:15 PM

Reviewed By: **Ben Wood**
Laboratory Director

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any attic loose fill vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. The test results apply to the sample as received.



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S 3

533735

V: 5331533735

ajones 9/22/2023 12:45:00 PM

Hand Delivered

N/A

Submitting Co. ADVIRO		Lab WO#	Phone 408-512-2912
1038 Leigh Ave. #100A		Acct # 4717	Fax / Email reports@goadviro.com
San Jose, CA 95126		**State of Collection California	**Cert. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: SAME AS FRONT	Special Instructions [Include requests for special reporting or data packages]		
Project Location:			
Project Number: 2369-67A			
PO Number:			

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
2 hours* <input checked="" type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Mold Analysis	Asbestos Bulk / Asb.ID <input checked="" type="checkbox"/> PLM (EPA 600/R-93/116) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/>

Sample #	Date Sampled*	Time Sampled*	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
13	9/21/23	11:03am	gROUT - X-ray Room							
14		11:05am	Mastic - Storage							
15		11:06am								
16		11:07am								
17		11:24am	Acoustical Ceiling tiles - lobby & X-ray Room							
18		11:26am								
19		11:27am								
20		11:40am	gypsum board mastic - Bathroom							
21		11:41am								
22		11:42am								
23		11:46am	Cement - foundation							
24		11:47am								

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

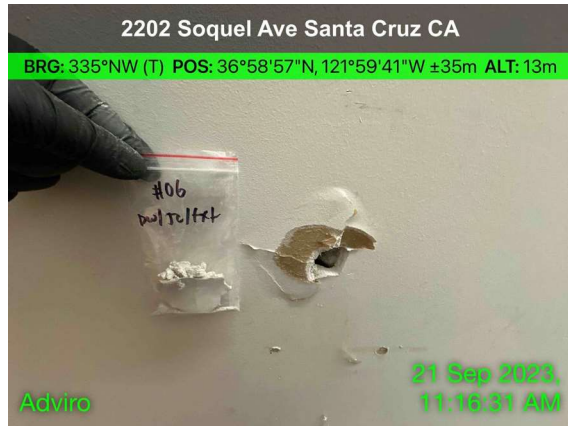
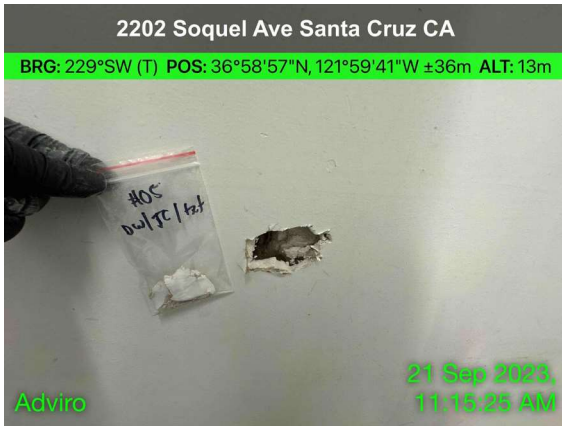
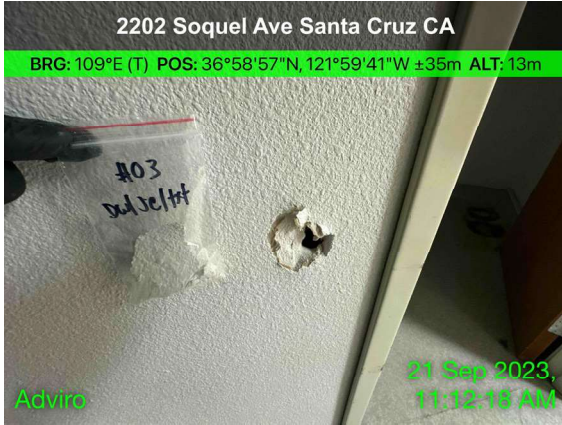
Sampled by NAME <u>Michael Sanchez</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>9/21/23 @ 1:40pm</u>	Relinquished to lab by NAME _____ SIGNATURE _____ DATE/TIME _____	Sample Disposal If samples over req. weight (Refer to Fee Schedule) <input type="checkbox"/> Return to Sender (Shipping fees) <input type="checkbox"/> Disposal by lab (\$50 fee) Shipping Methods <input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: _____
--	--	---

Sample return requested Ambient temp Ice CI R S X Receive a physical copy of report.

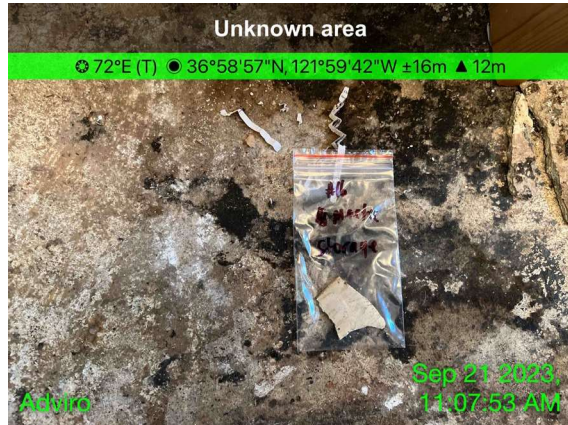
Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.

Pictures

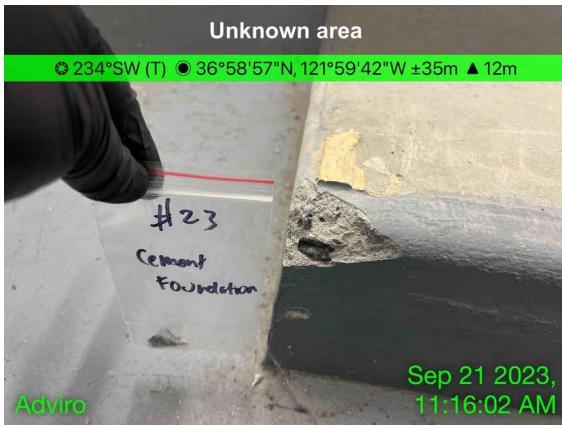
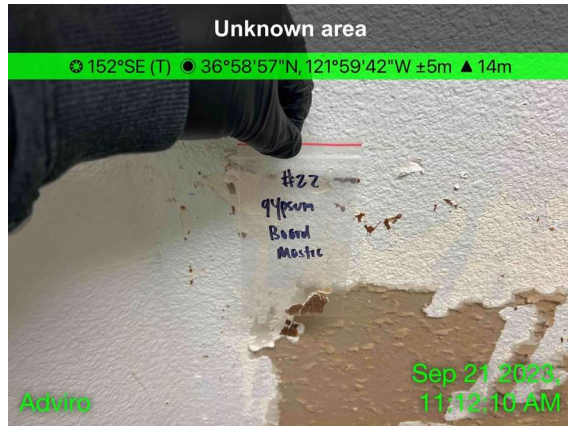
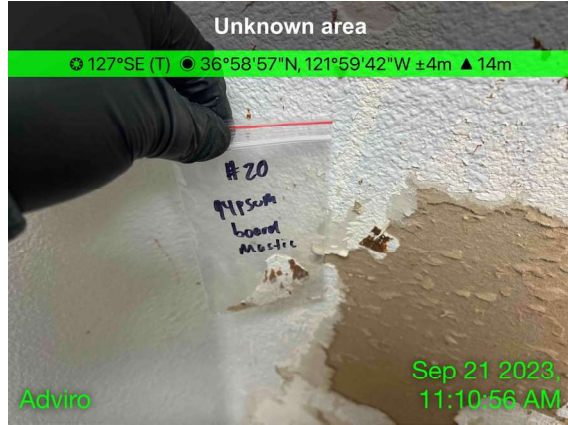
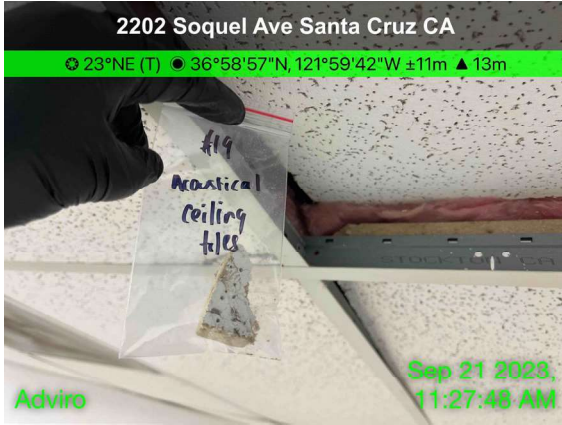
Samples:



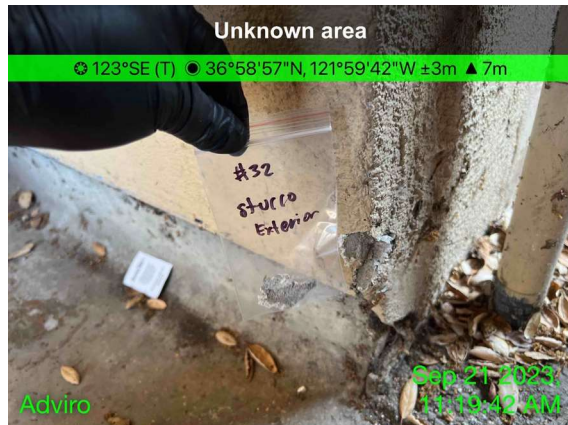
Pictures



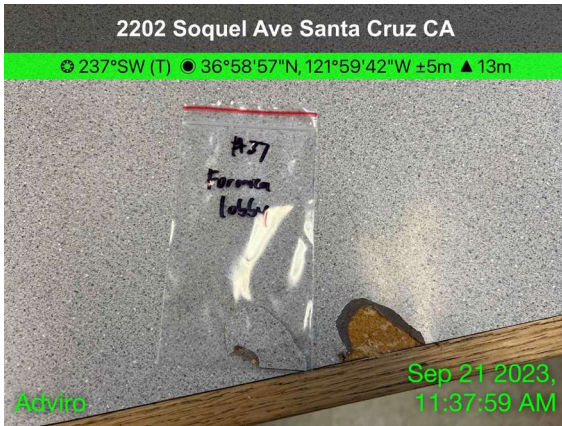
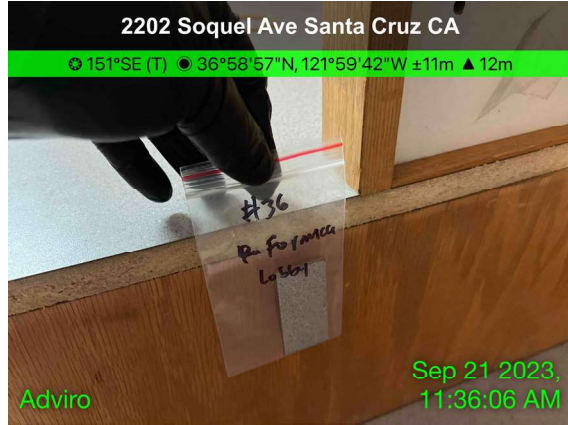
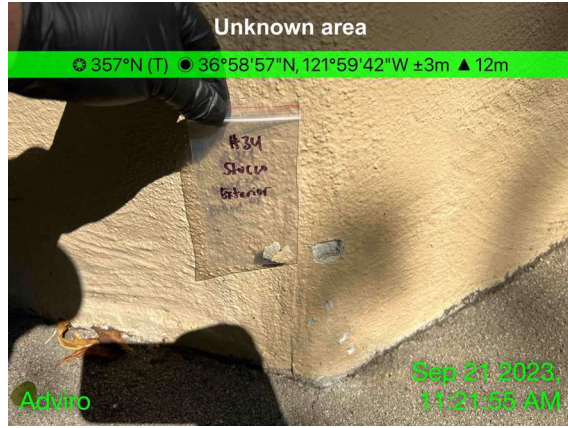
Pictures



Pictures

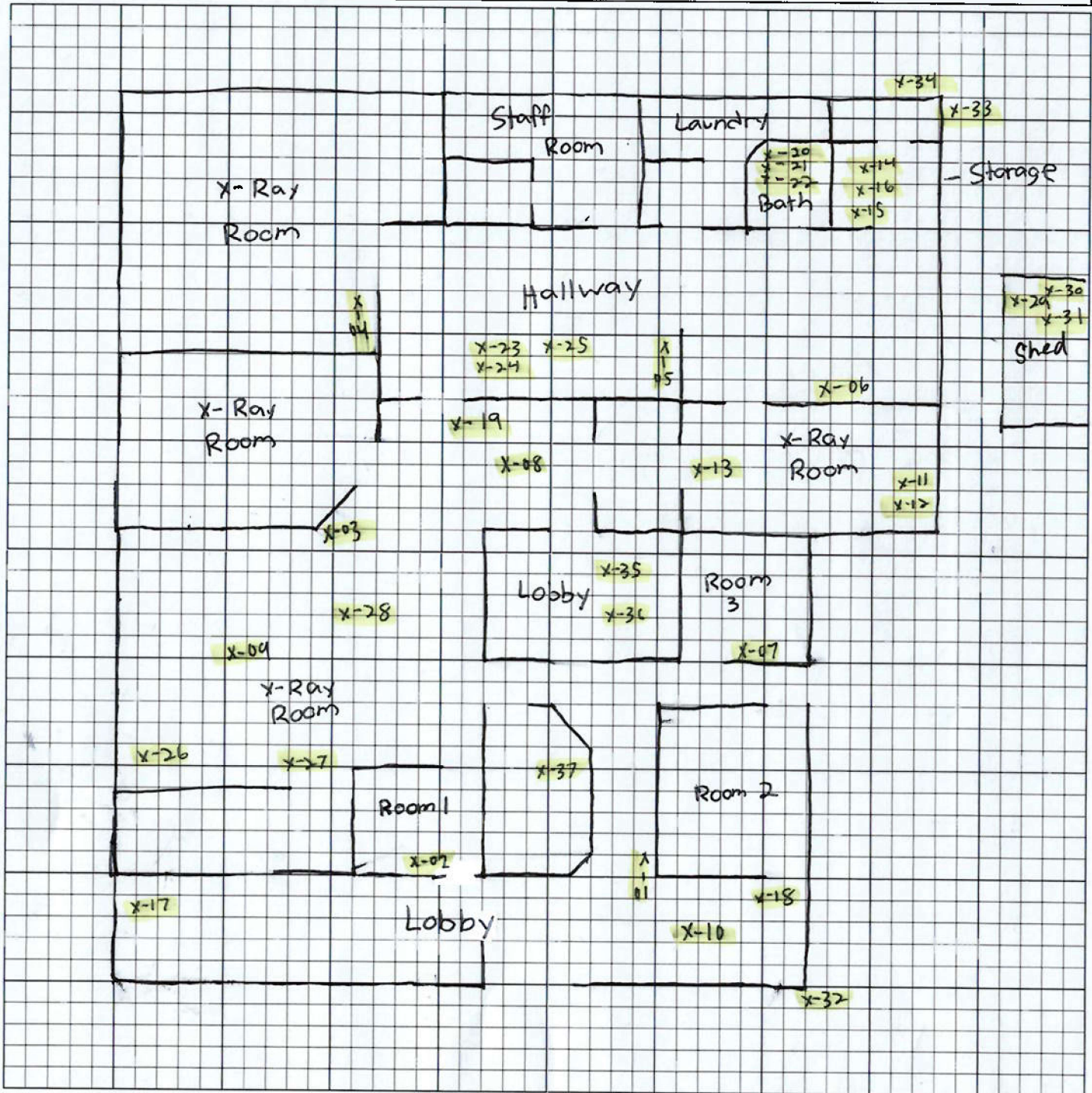


Pictures



Site Map: Asbestos Survey

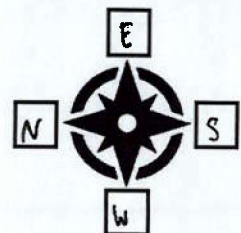
Project #:	2309-67L-CSC
Address:	2202 Soquel Ave., Santa Cruz, CA 95062
Date:	September 21, 2023
Project Manager:	Frank V.



Legend:

X - Bulk	FN - Furnace
WH - Water Heater	T - Transite Pipe

** Not drawn to scale **



Adviro

Certifications: Frank Valerga

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



Frank A Valerga
Name

Certification No. 14-5279

Expires on 08/13/24

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.

California Department of Public Health
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Frank Valerga	Lead Inspector/Assessor	LRC-00004234	5/17/2024

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

National Radon Proficiency Program




Frank A Valerga
Radon Measurement Professional

ID Number: #111130-RMP Valid 2022-03-03 - 2024-03-31


To confirm validity of this certification call 828-348-0185. Verification of adherence to state and local regulations is advised. See reverse for specific certification designations.

Frank A Valerga # 111130-RMP

This individual is certified for the use of passive measurement devices to be analyzed by NRPP certified Analytical Laboratories and also certified to provide Analytical Services using the following device(s):

AC-4040 RTCA 3"
AC-8201 Air Chk Pro Chk
AC-0210 RTCA 4"

The radon office for the state in which this person resides may be contacted for information on radon and local requirements. For additional information contact NRPP at 828-348-0185, or visit the NRPP web-site at nrpp.info
State Radon Program Contact Number: (916) 440-7942




Frank A Valerga


Has satisfactorily fulfilled the requirements set forth by the National Radon Proficiency Program and is therefore certified as a:

Radon Measurement Professional
with Standard Services

NRPP ID 111130-RMP
Issued On: 2022-03-03 Expires: 2024-03-31



Valid for specific activities or measurement devices, which can be verified with NRPP. State and local agencies may have additional requirements.



In witness Whereof
I have subscribed my name as a Representative of NRPP

Christina Johnson
Christina Johnson
NRPP Credentialing Manager

National Registry of Environmental Professionals
For
Environmental Certifications

This is to Certify that
Frank Anthony Valerga
having successfully demonstrated to the Academic Board of this organization the required level of knowledge and ability, is here by awarded the distinction of
Registered Environmental Property Assessor
together with all rights, benefits and privileges attached thereto and that the name and title of the aforementioned registrant is now placed upon the register of the organization.
Given under our hands on this 15th day of March, 2013.

 Executive Director

 838300
Registrant Number

This Certificate is the property of the National Registry of Environmental Professionals and must, upon demand, be returned.



*National Registry
of Environmental Professionals®*

P.O. Box 2099, Glenview, IL 60025-6099 (847) 724-6631 FAX (847) 724-4223
WEBSITE: www.nrep.org EMAIL: customerservice@nrep.org

LETTER OF GOOD STANDING

Date: 06/27/2023

To Whom It May Concern:

We are pleased to inform you that **Mr. Frank Valerga** has registered with us for **REPA - Registered Environmental Property Assessor** certification in the academic 2023 year and is in good standing.


Certification #: 838300
Expiration Date: 06/26/26

For any more questions, please feel free to email us at customerservice@nrep.org.

Sincerely,

National Registry of Environmental Professionals
Christopher Young
Executive Director

State of California
California Environmental Protection Agency
Department of Toxic Substances Control



Frank Valerga

has fulfilled the requirements for registration as a
Registered Environmental Assessor I (REA I)

Date Registered: January 19, 2012
Registration Number: 838300

Diana O. Lopez
Diana O. Lopez, Director
Department of Toxic Substances Control

496-211-42 6253-896711-43

Adviro

Certifications: Michael Sanchez



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Michael Sanchez	Lead Sampling Technician	LRC-00010315	8/31/2024

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

Asbestos 40 Hr. Contractor / Supervisor Course

Michael Sanchez



CERT #: ASI0912220004N31384
Training Date: 09/12/2022
Exam Date: 09/16/2022
Expiration: 09/16/2023
DOSH #: CA-015-03



M.W.H.
Michael W. Horner, Training Director

Successfully completed 40 hours of the education requirements for Asbestos accreditation under TSCA Title II



NATEC INTERNATIONAL
INCORPORATED

1100 Technology Circle, Suite A, Anaheim, CA 92805 | 8390 Capwell Drive, Oakland, CA 94621
800-969-3228 | www.NATECIntl.com

M & C Environmental Training

Asbestos Inspector
Initial Training Course

Michael Sanchez

Has successfully completed the Asbestos Inspector Initial course approved by the California Division of Occupational Safety and Health for purposes of certification required by Title 8, Article 2.7, Chapter 3.2, Section 341.16 and the accreditation required under the Toxic Substances Control Act, Title II. Conducted by M&C Environmental Training Inc., P.O. Box 6419, Concord, California. Tel. # (510) 499 - 5646

Course Approval Number: CA-003-05

Location: Concord, California	Examination: January 20, 2023
Dates: January 18-20, 2023	Expiration: January 20, 2024

Director of Training: John McGinnis
John McGinnis

Certificate Number 52009 I

Adviro

1038 Leigh Ave. Suite 100A
San Jose, CA 95126
Tel (408) 512-2912
info@GoAdviro.com

LBP present:

YES / NO

September 26, 2023

Attn: County of Santa Cruz

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

- Service:**
- 1) Lead Based Paint XRF Survey – Renovation/Demolition
 - o RRP – EPA
 - o Lead in Construction – OSHA
 - 2) Lead Screening
 - o Lead Bulk

Location: Whole Site

Date: September 21st, 2023

#: 2309-67L-CSC

Site:

2202 Soquel Ave Santa Cruz CA

BRG: 131°SE (T) POS: 36°58'57"N, 121°59'41"W ±25m ALT: 13m



Adviro

21 Sep 2023,
11:42:13 AM



GoAdviro.com



Lead XRF Testing



"Federal law requires that disturb painted surfaces in homes, childcare facilities and schools, built before 1978 to be certified and follow specific work practices to prevent lead contamination." – United States Environmental Protection Agency (EPA)

This law is known as the Renovate, Repair and Paint (RRP) Rule and applies to all renovation/demolition work of pre 1978 homes, childcare facilities or schools disturbing six square feet or more of painted surfaces. The objective of "Lead-Safe" work practices and procedures are to protect against lead contamination in the form of paint chips and dust that could lead to subsequent poisoning and exposure concerns. All painted surfaces at these locations must be presumed Lead-Based Paint unless tested & proven otherwise.

Lead-Based Paint is defined as paint or other surface coatings that, by definition, contain lead in excess of 1.0 milligrams per square centimeter (mg/cm²) or 5,000 parts per million (ppm).

Sampling Method – EPA Approved

Model:	Heuresis PB200i Lead Paint Analyzer
Serial Number:	2613
Date Performed:	September 21 st , 2023
Start Time:	9:00 a.m.
Initial # Calibration Avg.: (mg/cm ²)	147 – 0.9 148 – 0.9 149 – 1.0 ~0.93
Sample Reading #'s:	150 – 321
Final Calibration Avg.: (mg/cm ²)	322 – 1.0 323 – 1.0 324 – 1.0 ~1.0

All results are digitally logged and encrypted by ADVIRO using EPA approved Heuresis PB200i Lead Paint Analyzer XRF technology and software. Unique XRF analyzer information and the actual XRF sample numbers recorded are provided for future research of this report, individual sample results are available upon request. For the purpose of this report only samples indicating Lead Based Pant are identified.

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Lead Survey & Lead Screening

Location: Whole Site

Date: September 21st, 2023

#: 2309-67L-CSC

Lead Results

Only sample results indicating Lead-Based Paint (LBP) are highlighted. Sample results equal to or greater than 1.0 mg/cm² = LBP

Interior

<u>LBP</u>	<u>Sample #'s</u>	<u>Reading (mg/cm²)</u>	<u>Location</u>	<u>Substrate</u>	<u>Color Paint (Top Layer)</u>
NO	197 – 211	0.0 – 0.1	Walls – Lobby	Drywall	White
NO	212 – 215	0.0	Walls – Room 1	Drywall	White
NO	216 – 219	0.0 – 0.1	Walls – Room 2	Drywall	White
NO	220 – 221	0.0 – 0.1	Window Frame – Room 2	Wood	White
NO	222 – 225	0.0 – 0.1	Walls – Room 3	Drywall	White
YES	226 – 258	0.0 – 10.1	Walls – X-Ray Room	Drywall	White
NO	259 – 266	0.1 – 0.2	Walls – Hallway	Drywall	White
NO	267 – 275	0.0 – 0.1	Walls – Staff Room	Drywall	White
NO	276 – 283	0.1	Walls – Laundry	Drywall	White
NO	284 – 288	0.1	Walls – Bathroom	Drywall	White
NO	289 – 296	0.0 – 0.1	Walls – Storage	Drywall	White
NO	297 – 318	0.1	Doors/Frames	Wood/Metal	White

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Lead Survey & Lead Screening

Location: Whole Site

Date: September 21st, 2023

#: 2309-67L-CSC



Exterior

LBP	Sample #'s	Reading (mg/cm²)	Location	Substrate	Color Paint (Top Layer)
<i>NO</i>	150 – 157	0.0 – 0.1	Walls	Stucco/Wood	Beige
<i>NO</i>	158 – 167	0.1 – 0.5	Gutters/Piping	Metal	Beige
<i>NO</i>	168 – 172	0.0	Doors	Wood	Beige/Blue
<i>NO</i>	173 – 178	0.0 – 0.1	Door Frames	Wood	Beige/Blue
<i>NO</i>	179 – 186	0.0 – 0.5	Window Frames	Wood	Blue
<i>NO</i>	187 – 196	0.0 – 0.4	Fascia/Sofit	Wood	Beige
<i>NO</i>	319 – 321	0.0	Walls – Shed	Wood	Red

172 – Total Samples – XRF Analyzed

NOTE: Per EPA, ceramic tile is not subject to [RRP Rule](#).

Please see attached pictures and diagram to confirm color and location of Lead-Based Paint. All other colors of paint or locations were not identified as LBP.

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Lead Survey & Lead Screening

Location: Whole Site

Date: September 21st, 2023

#: 2309-67L-CSC



Lead Paint Chip – OSHA



Painted/coated surfaces were tested in the field using an X-Ray fluorescence (XRF) spectrum analyzer and/or sampled (paint chips) and submitted to a certified laboratory for analysis by atomic absorption spectroscopy (AAS). Lead paint samples fell into 1 of 3 types – as follows:

Lead Types	Definition	Lead Content Standard
LBP	Lead-based paint (or material)	By Paint Chip: ≥0.5 weight % or ≥5,000 mg/kg
LCM	Lead containing material (or paint)	By Paint Chip: <0.5 weight % or <5,000 mg/kg
ND	No Lead Detected	By Paint Chip: ≤0.006 weight % or ≤60 mg/kg

LEAD PAINT CHIP RESULTS

<u>Sample #</u>	<u>Location</u>	<u>Lead Concentration</u> (mg/kg)	<u>Lead Levels</u>
Pb-01	Exterior Wall – Stucco	36.7	ND
Pb-02	Exterior Window – Frame	652	LCM
Pb-03	Interior Wall – Drywall	35.3	ND
Pb-04	Interior Window – Frame	<32.5	ND

Findings

- ✓ Paint chip sample **Pb-02** taken at **Exterior Window – Frame** indicates to be a lead containing material. Workers disturbing this material must have lead in construction training per OSHA requirements.

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Lead Survey & Lead Screening

Location: Whole Site

Date: September 21st, 2023

#: 2309-67L-CSC



Lead – EPA Guideline References



- ❖ [Renovate Repair and Painting Rule](https://www.epa.gov/sites/production/files/2014-09/documents/epa_con_sell_9.5.14.pdf): Childproof your home improvements
https://www.epa.gov/sites/production/files/2014-09/documents/epa_con_sell_9.5.14.pdf

OSHA – Lead in Construction

- ❖ [Occupational Safety and Health Administration](https://www.osha.gov/Publications/osha3142.pdf): Lead in Construction
<https://www.osha.gov/Publications/osha3142.pdf>

Terms of Service

- ADVIRO has performed Lead Screening service and provided this report as valid evidence of Lead or Lead-based Paint in accordance with EPA guidelines.
- Further assurance and reduced liability are also provided due to this third-party, licensed, certified and fully insured reporting by ADVIRO.
- No guarantee is expressed or implied that all lead conditions or Lead-Based Paint has been identified in the home or at the subject property.
- This report makes no claim to be in accordance with any other lead inspection, assessment or testing for The U.S. Department of Housing and Urban Development (HUD), California Department of Public Health (CDPH) or Occupational Safety and Health Administration (OSHA).
- Further information of circumstances and additional sampling may be needed. Please call or email our office if there are questions or concerns.

Limitations

The inspection or testing performed maybe inherently limited in scope and nature. No guarantee is expressed or implied that all asbestos has been identified in the building or at the subject property. Inaccessible areas of the building underneath floors, behind walls, above ceilings were not inspected or subject to testing. If you have any questions, please contact ADVIRO.

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Lead Survey & Lead Screening

Location: Whole Site

Date: September 21st, 2023

#: 2309-67L-CSC

Signed off by,



Frank Valerga, Certified Environmental Consultant
Advanced Environmental, LLC dba: **ADVIRO**

Certified Asbestos Consultant #14-5279
State of California Division of Occupation Safety and Health

Lead Inspector/Assessor #21965
State of California Department of Public Health

The following supporting documents are attached to this report:

- Photographs of Site and Sample Locations
- Laboratory Analytical Reports
- Floorplan Showing Sample Locations
- CDPH Lead Form-8552
- Lead in Construction – OSHA
- Certifications of Inspector-Assessor/Sampling Technician Performing This Survey
- ADVIRO Insurance Information

Site: 2202 Soquel Ave., Santa Cruz, CA 95062

Service: Lead Survey & Lead Screening

Location: Whole Site

Date: September 21st, 2023

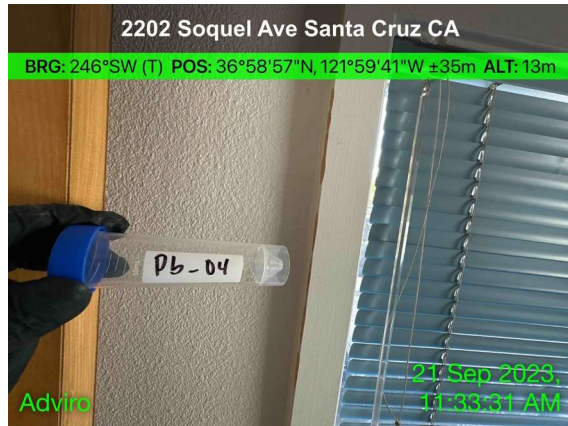
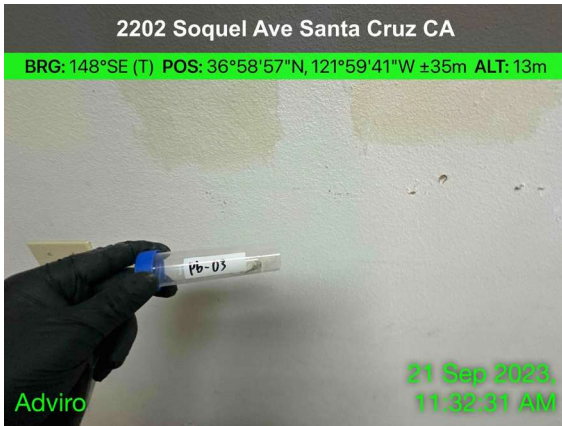
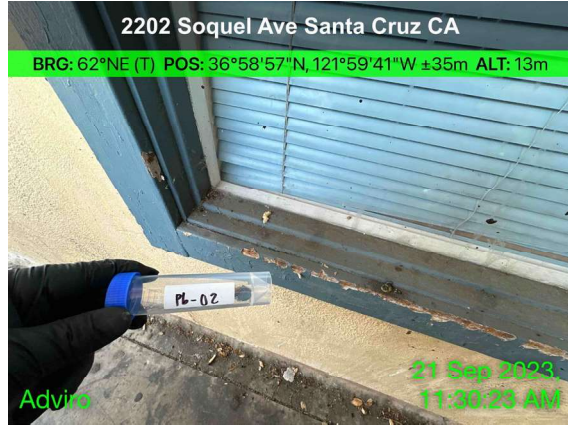
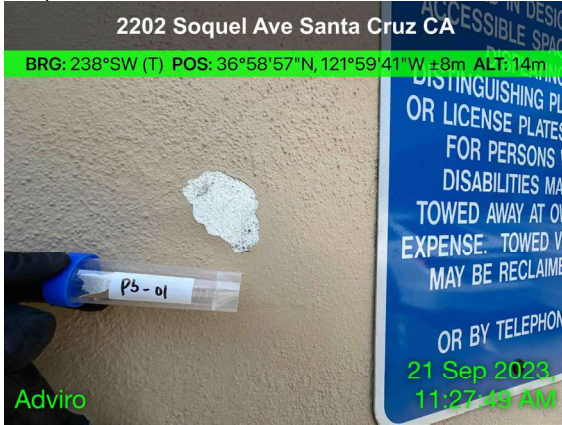
#: 2309-67L-CSC

Pictures

Lead Based Paint:



Samples:





Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Adviro (4717)
Address: 1038 Leigh Ave
Unit 100A
San Jose, CA 95126

Attn:

Project: County Of Santa Cruz
Location: 2202 Soquel Ave Santa Cruz
Number: 2307-67L

Order #: 533373

Matrix: Paint
Received: 09/22/23
Analyzed: 09/22/23
Reported: 09/22/23

PO Number: CA 95062

Sample ID	Cust. Sample ID	Location	Sample Date	Weight			
Parameter		Method		Total µg	% / Wt.	Conc.	RL*
533373-001	Pb-01	Exterior Wall Stucco	09/21/23	319 mg			
Lead		EPA 7000B		11.7 µg	0.00367 %	36.7 mg/kg	31.3 mg/kg
533373-002	Pb-02	Exterior Window Frame	09/21/23	337 mg			
Lead		EPA 7000B		220 µg	0.0652 %	652 mg/kg	29.7 mg/kg
533373-003	Pb-03	Interior Wall Drywall	09/21/23	331 mg			
Lead		EPA 7000B		11.7 µg	0.00353 %	35.3 mg/kg	30.2 mg/kg
533373-004	Pb-04	Interior Window Frame	09/21/23	308 mg			
Lead		EPA 7000B		<10.0 µg	<0.00325 %	<32.5 mg/kg	32.5 mg/kg

Analyst: DM
533373-09/22/23 05:00 PM

Kelly Muncy

Reviewed By: **Kelly Muncy**
Manager

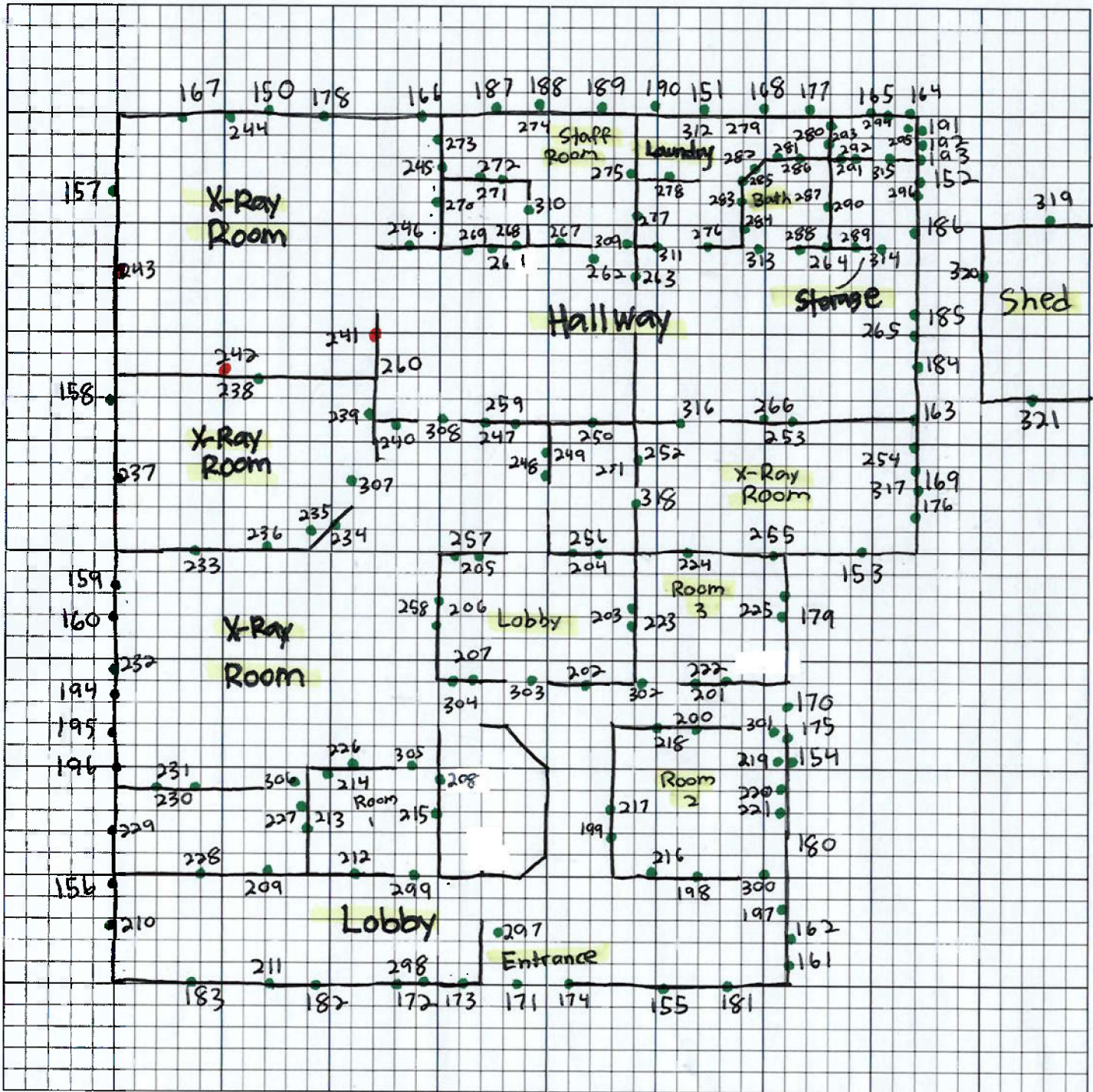
Federal Lead Paint Statute

Location	Level	Unit
Lead in paint by wt.	0.50	%
Lead in paint PPM	5000	mg/kg

Minimum reporting limit: 10.0 µg. All internal QC parameters were met. Unusual sample conditions, if any, are described. Do not reproduce this report except in full. Values are reported to three significant figures. PPM = mg/kg | PPB = µg/kg. The test results apply to the sample as received. AIHA LAP, LLC accredited for Lead (Lab ID 100527).

Site Map: Lead Survey

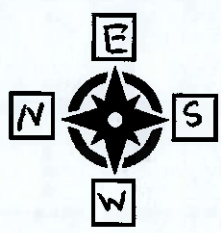
Project #:	2309-67L-CSC
Address:	2202 Soquel Ave., Santa Cruz, CA 95062
Date:	September 21, 2023
Project Manager:	Frank V.



Legend:

- B - Bulk Sample
- Lead Based Paint Detected
- No Lead Based Paint Detected

** Not drawn to scale **



LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation September 21st, 2023

Section 2 – Type of Lead Hazard Evaluation (Check one box only)

Lead Inspection Risk assessment Clearance Inspection Other (specify) _____

Section 3 – Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)] 2202 Soquel Ave.		City Santa Cruz	County Santa Cruz County	Zip Code 95062
Construction date (year) of structure pre 1978	Type of structure <input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input checked="" type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____		Children living in structure? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Don't Know	


Section 4 – Owner of Structure (if business/agency, list contact person)

Name Kristine Conley		Telephone number 831-247-7471		
Address [number, street, apartment (if applicable)] 1110 Emeline Ave.		City Santa Cruz	State CA	Zip Code 95060

Section 5 – Results of Lead Hazard Evaluation (check all that apply)

No lead-based paint detected Intact lead-based paint detected Deteriorated lead-based paint detected
 No lead hazards detected Lead-contaminated dust found Lead-contaminated soil found Other Lead Containing Material

Section 6 – Individual Conducting Lead Hazard Evaluation

Name Frank A. Valerga		Telephone number 408-512-2912		
Address [number, street, apartment (if applicable)] 1038 Leigh Ave. #100A		City San Jose	State CA	Zip Code 95126
CDPH certification number LRC-00004234	Signature 			Date September 25th, 2023

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)
Daniel Alvarado LRC-00009787

Section 7 – Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector
 Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:
 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656



Lead in Construction

T8 CCR Section [1532.1](#) covers the requirements on lead safety in construction, and makes employers responsible for complying with those requirements. Employers can reduce the hazard from lead in construction by meeting these requirements and following industry best practices.

Why employers need to be concerned?

- Lead is highly toxic and it can cause damage to brain, kidney, reproductive system, etc.
- Lead poisoning occurs through ingestion or inhalation even at a very low level of exposure.
- The risk to families, especially children, from take-home lead, carried on employees' bodies, shoes or clothing is great.

Benefits of controlling lead exposure

Consider the alternatives to failing to protect your employees from lead exposure: fines up to \$70,000 per violation, medical removal payments to workers with high blood lead levels, and costly job shutdowns. Some companies find that following the lead exposure regulations increases their business since clients want jobs that are safe for both workers and the environment.

What do I need to do to protect my employees from lead poisoning?

Assess lead exposure

Lead can be present in a wide range of materials including paints and other coatings, lead mortars, and base metals to be welded on or treated with abrasive blasting.

- Look at the age of the building or structure, the presence of coatings and other materials that may contain lead.
- Ask the property owner for relevant information.
- Also check the MSDS' of the materials in use to see if they contain lead.

Send samples of materials to a laboratory for lead analysis. Laboratories accredited by the U.S. EPA National Lead Laboratory Accreditation Program are listed at www.epa.gov/lead/pubs/nllap.htm. Testing methods for lead must meet requirements of Title 8 Section [1532.1\(d\)\(9\)](#).

Regularly assess the exposure level

Employers must assess the amounts of lead breathed by workers on a regular basis for each task as per Section [1532.1\(d\)](#). This is usually done by employee breathing-zone air sampling. Air sampling results are used to determine the protective measures needed as well as the type of respirator that must be worn for protection.

Have a written compliance program

Prior to starting the job, you shall establish and implement a written compliance program as per [1532.1\(e\)](#). In addition, you need to provide a written Pre-Job Notification to the nearest Cal/OSHA office within 24 hours of start of the work. The notification can also be made online at <http://www.dir.ca.gov/dosh/Permits.html>. See Section [1532.1\(p\)](#) for details on required information and types of jobs covered.

Reduce and maintain low lead level

On all construction jobs where lead is present, the employer should reduce and maintain lead levels as low as possible by:

- **Housekeeping.** Lead dust on surfaces, especially in eating areas, must be controlled by HEPA vacuuming, wet clean-up, or other effective methods.
- **Hand and face washing.** Workers must have washing facilities with soap and clean water.
- **Training.** Workers must receive training on lead hazards and how to protect themselves including:
 - Requirements of Section [1532.1](#)
 - Nature of the operations – scraping, demolition etc.
 - Respiratory protection
 - Medical surveillance and removal
 - Engineering controls—vacuum with HEPA filter, etc.
 - Good work practices – eat in area free of lead, etc.
 - Let employees know of their rights to their records
 - Notify employees in writing of the blood-lead test results within 5 days of receiving the results.
- **Using proper respirators.** For certain highly hazardous tasks, called trigger tasks, special protective measures must be taken—including specified respirators—until the employer determines that worker airborne exposures to lead are below levels specified in Section [1532.1](#):

Continued in next page

Contacting Cal/OSHA Consultation Service

Consultation Programs:

<http://www.dir.ca.gov/dosh/consultation.html>

Toll-free Number: 1-800-963-9424

Publications:

<http://www.dir.ca.gov/dosh/puborder.asp>

eTools:

<http://www.dir.ca.gov/dosh/etools/etools.htm>

Onsite Assistance Program Area Offices

Central Valley: 559-445-6800	San Diego/Imperial: 619-767-2060
No. California: 916-263-0704	San Bernardino: 909-383-4567
SF/Bay Area: 510-622-2891	San Fernando Valley: 818-901-5754
Santa Fe Springs/LA/Orange: 714-562-5525	

Note: The information provided is not meant to be either a substitute for or legal interpretation of the occupational safety and health regulations. Readers are cautioned to refer directly to Title 8 of the California Code of Regulations for detailed information regarding the regulation's scope, specifications, and exceptions and for other requirements that may be applicable to their operations.

➤ Level 1 trigger tasks

Any of the following with lead-containing coatings or materials: spray painting, manual demolition, manual scraping or sanding, use of heat gun, power tool cleaning with dust collection system.

Minimum required respirator: half-mask respirator with N-100, R-100 or P-100 filters.

➤ Level 2 trigger tasks

Any of the following with lead-containing coatings or materials: using lead-containing mortar, lead burning, rivet busting, power tool cleaning without dust collection system, clean-up activities using dry expendable abrasives, abrasive blasting enclosure movement or removal.

Minimum required respirator: air-supplied hood or helmet, or loose fitting hood or helmet powered air-purifying respirator with N-100, R-100 or P-100 filters.

➤ Level 3 trigger tasks

Abrasive blasting, welding, cutting, or torch burning on structures where lead-containing coatings or materials are present.

Minimum required respirator: full-face supplied-air respirator operated in positive pressure or continuous flow mode or full-face PAPR with N-100, R-100 or P-100 filters.

The Pre-Job Notification is required for all jobs involving trigger tasks.

• **Providing interim protective measures**

Followings are the interim protective measures required for all trigger tasks until worker airborne exposures are shown to be below levels specified in Section [1532.1](#):

- Respirators, protective equipment and clothing
- Areas for clothes changing and hand washing
- Blood test for lead and zinc protoporphyrin (ZPP)
- Basic lead hazard, respirator, and safety training

- **Posting warning signs.** Section [1532.1\(i\)\(6\)](#) requires regulated areas with warning signs for all trigger tasks and any other tasks that may reasonably cause hazardous lead exposure at or above the Permissible Exposure Limit (PEL).

• **Using special measures for exposures above PEL.**

When air sampling shows employee exposures above the PEL from any operation, the following controls are required in addition to those for the trigger tasks:

- Provide respirator protection as per [1532.1\(f\)](#)
- Provide protective work clothing as per [1532.1\(g\)](#)
- Provide changing and eating areas, and hand washing and showering facilities as per [1532.1\(i\)](#)
- Provide medical monitoring as per [1532.1\(j\)](#)
- Provide medical removal protection as per [1532.1\(k\)](#)
- Employee training as per [1532.1\(l\)](#)

- **Maintaining certification.** On jobs at residential and public access buildings, workers exposed to lead above the PEL- and their supervisors - must receive state approved training and be certified by the California Dept. of Public Health Services (CDPH).

Information on lead worker certification:

Phone: **800-597-LEAD**

Web: <http://www.cdph.ca.gov/programs/CLPPB/>

Where can I get help?

The Cal/OSHA Consultation Service helps employers at no cost. Employers can request an industrial hygienist to come to a construction job site, show how air sampling is done and assist in employee training. The Consultation Service is independent of Cal/OSHA's Enforcement Unit.

Frequently Asked Questions

Q. Before starting work on a job that involves disturbance of paint or other coatings, am I required to have a sample of the paint analyzed for lead content?

A. This is the best way to begin assessing the lead hazard at the jobsite. While not specifically required by the Cal/OSHA regulation, material sampling—combined with knowledge of the tasks being done—is the best indicator of the chance of high airborne lead levels, and can help guide the air sampling and exposure control efforts and the choice of required respirators.

Q. If I'm already doing air monitoring and protecting workers with respirators during tasks with high exposures, why do I also need to do blood lead and ZPP monitoring?

A. Blood lead and ZPP monitoring are tools that help assess workers' total exposure to lead—including through ingestion, unmonitored operations, and lead contamination in the vehicle and home. It is the most important benchmark for answering the question: "Am I protecting my workers from the hazards of lead on the job?"

Q. What should my respirator program include?

A. Your respirator program must include respirator selection, medical evaluation, fit testing, and all other required elements as per Section [5144](#).

Q. How do I get started with a lead medical monitoring program and where do I find a physician to do this?

A. The Department of Public Health Occupational Lead Poisoning Prevention Program listed below can help you get started with your lead compliance program.

Resources

T8 CCR1532.1 http://www.dir.ca.gov/title8/1532_1.html

CDPH, Occupational Lead Poisoning Prevention Program
Website: www.cdph.ca.gov/olppp CA Toll Free: 1(866) 627-1587;
Out of State: (510) 620-5740

Painting and Decorating Contractors of America
Website: www.pdca.org Phone: 703-383-0800

SSPC: Society for Protective Coatings
Website: www.sspc.org Phone: 412-281-2331

US EPA: Lead in Paint, Dust, and Soil
Website: www.epa.gov/opptintr/lead Phone: 1(800) 424-LEAD

OSHA: Lead in Construction
<http://www.osha.gov/Publications/osha3142.pdf>
http://www.osha.gov/OshDoc/data_Hurricane_Facts/lead_in_const_ruction.pdf
http://www.osha.gov/OshDoc/data_Hurricane_Facts/lead_hazards_fs.pdf

Adviro

Certifications: Frank Valerga

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



Frank A Valerga
Name

Certification No. 14-5279

Expires on 08/13/24

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.

California Department of Public Health
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Frank Valerga	Lead Inspector/Assessor	LRC-00004234	5/17/2024

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

National Radon Proficiency Program




Frank A Valerga
Radon Measurement Professional

ID Number: #111130-RMP Valid 2022-03-03 - 2024-03-31


To confirm validity of this certification call 828-348-0185. Verification of adherence to state and local regulations is advised. See reverse for specific certification designations.

Frank A Valerga # 111130-RMP

This individual is certified for the use of passive measurement devices to be analyzed by NRPP certified Analytical Laboratories and also certified to provide Analytical Services using the following device(s):

AC-4040 RTCA 3"
AC-8201 Air Chek Pro Chek
AC-0210 RTCA 4"

The radon office for the state in which this person resides may be contacted for information on radon and local requirements. For additional information contact NRPP at 828-348-0185, or visit the NRPP web-site at nrpp.info
State Radon Program Contact Number: (916) 440-7942




Frank A Valerga


Has satisfactorily fulfilled the requirements set forth by the National Radon Proficiency Program and is therefore certified as a:

Radon Measurement Professional
with Standard Services

NRPP ID 111130-RMP
Issued On: 2022-03-03 Expires: 2024-03-31



Valid for specific activities or measurement devices, which can be verified with NRPP. State and local agencies may have additional requirements.



In witness Whereof
I have subscribed my name as a Representative of NRPP

Christina Johnson
Christina Johnson
NRPP Credentialing Manager

National Registry of Environmental Professionals
For
Environmental Certifications

This is to Certify that
Frank Anthony Valerga
having successfully demonstrated to the Academic Board of this organization the required level of knowledge and ability, is here by awarded the distinction of
Registered Environmental Property Assessor
together with all rights, benefits and privileges attached thereto and that the name and title of the aforementioned registrant is now placed upon the register of the organization.
Given under our hands on this 15th day of March, 2013.

 Executive Director

 838300
Registrant Number

This Certificate is the property of the National Registry of Environmental Professionals and must, upon demand, be returned.



National Registry
of Environmental Professionals®

P.O. Box 2099, Glenview, IL 60025-6099 (847) 724-6631 FAX (847) 724-4223
WEBSITE: www.nrep.org EMAIL: customerservice@nrep.org

LETTER OF GOOD STANDING

Date: 06/27/2023

To Whom It May Concern:

We are pleased to inform you that **Mr. Frank Valerga** has registered with us for **REPA - Registered Environmental Property Assessor** certification in the academic 2023 year and is in good standing.

Certification #: 838300
Expiration Date: 06/26/26

For any more questions, please feel free to email us at customerservice@nrep.org.

Sincerely,

National Registry of Environmental Professionals
Christopher Young
Executive Director

State of California
California Environmental Protection Agency
Department of Toxic Substances Control



Frank Valerga

has fulfilled the requirements for registration as a
Registered Environmental Assessor I (REA I)

Date Registered: January 19, 2012
Registration Number: 202384

Diana O. Lopez
Diana O. Lopez, Director
Department of Toxic Substances Control

496-211-42 2283-896711-43

Adviro

Certifications: Daniel Alvarado



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH





LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Daniel Alvarado	Lead Sampling Technician	LRC-00009787	3/4/2024

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

Asbestos Contractor/Supervisor Refresher Course

Daniel Alvarado



CERT #: ASR0712230001N35646
Training Date: 07/12/2023
Exam Date: 07/12/2023
Expiration: 07/12/2024
DOSH #: CA-015-04




Michael W. Horner, Training Director
Successfully completed 8 hours of the education requirements for Asbestos accreditation under TSCA Title II.



NATEC INTERNATIONAL, INC.
1100 Technology Circle, Suite A, Anaheim, CA 92805 | 8390 Capwell Drive, Oakland, CA 94612
800-969-3228 | www.NATECintl.com

National Radon Proficiency Program



Jose D Alvarado
Radon Measurement Professional
ID Number: #113284-RMP Valid 2022-09-20 - 2024-09-30

To confirm validity of this certification call 828-348-0185. Verification of adherence to state and local regulations is advised. See reverse for specific certification designations.

Jose D Alvarado #113284-RMP

This individual is certified for the use of passive measurement devices to be analyzed by NRPP certified Analytical Laboratories and also certified to provide Analytical Services using the following device(s):

AC-8201 Air Chek Pro Chek
AC-8200 Air Chek Foil Bag

The radon office for the state in which this person resides may be contacted for information on radon and local requirements. For additional information contact NRPP at 828-348-0185, or visit the NRPP web-site at nrpp.info
State Radon Program Contact Number: (916) 650-6884

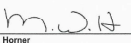
Certificate Of Completion

Asbestos Building Inspector Initial Course

DOSH #CA-015-05
Daniel Alvarado
ABI071822003N31442

Alan Dages
Principal Instructor


7/18/2022 Course Start Date
7/25/2022 Course End Date





Michael W. Horner
Training Director

7/25/2022 Exam Date
7/25/2023 Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California.



NATEC International, Inc.
National Association of Training and Environmental Consulting
1100 Technology Circle, Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Jose D Alvarado

Has satisfactorily fulfilled the requirements set forth by the National Radon Proficiency Program and is therefore certified as a:

Radon Measurement Professional

with Standard Services

NRPP ID 113284-RMP
Issued On: 2022-09-20 Expires: 2024-09-30

Valid for specific activities or measurement devices, which can be verified with NRPP. State and local agencies may have additional requirements.



In witness Whereof,
I have subscribed my name as a Representative of NRPP

Christina Johnson
Christina Johnson
NRPP Credentialing Manager

NRPP Radon Measurement Professional Course Online

Completion Certificate

awarded to

Daniel Alvarado

NRPP KSU-3000 - NRPP 16 CE hours

presented by



KANSAS STATE UNIVERSITY



Radon Courses

April 14, 2022
Instructor - Bruce Snead





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/21/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Chase Tedsen (0M93504) 4835 Soquel Dr Soquel CA 95073-2428		CONTACT NAME: Chase Tedsen PHONE (A/C, NO, EXT): 831-479-7200 FAX (A/C, NO): 831-621-1120 E-MAIL ADDRESS: Chase@TedsenAgency.com															
INSURED ADVANCED ENVIRONMENTAL, LLC 1038 LEIGH AVE STE 100A SAN JOSE CA 95126		<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Truck Insurance Exchange</td> <td>21709</td> </tr> <tr> <td>INSURER B: Farmers Insurance Exchange</td> <td>21652</td> </tr> <tr> <td>INSURER C: Mid Century Insurance Company</td> <td>21687</td> </tr> <tr> <td>INSURER D: Beazley</td> <td>37540</td> </tr> <tr> <td>INSURER E: Colony Specialty</td> <td>39993</td> </tr> <tr> <td>INSURER F: Sequoia Insurance Company</td> <td>22985</td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Truck Insurance Exchange	21709	INSURER B: Farmers Insurance Exchange	21652	INSURER C: Mid Century Insurance Company	21687	INSURER D: Beazley	37540	INSURER E: Colony Specialty	39993	INSURER F: Sequoia Insurance Company	22985
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COVERAGES	CERTIFICATE NUMBER:	REVISION NUMBER:
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THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAME ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDTL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
D	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR	Y	Y	ENC 0004679-03	06/17/23	06/17/24	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea Occurrence)	\$ 100,000
	MED EXP (Any one person)						\$ 25,000	
	PERSONAL & ADV INJURY						\$ 1,000,000	
	GENERAL AGGREGATE						\$ 2,000,000	
<input checked="" type="checkbox"/> *Contractors Pollution Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	PRODUCTS - COMP/OP AGG	\$ 2,000,000						
	*Contractors Pollution L	\$ 5,000,000						
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	606800363	07/11/2022	07/11/2024	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
F	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		QWC1183735	12/27/22	12/27/23	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER	\$
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER	CANCELLATION
	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Chase Tedsen