Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-1

FCG Environmental
Alan Forbess
1009 Mercer Avenue

Ojai, CA 93023

Client ID: 7238
Report Number: B291461
Date Received: 08/12/19
Date Analyzed: 08/12/19
Date Printed: 08/12/19
First Reported: 08/12/19

Job ID/Site: Oxnard UHSD-35; Channel islands HS/1400 Raiders Way, Bldgs. B2 & C2

Date(s) Collected: 08/09/2019

FALI Job ID: 7238
Total Samples Submitted: 12
Total Samples Analyzed: 12

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
1	51257625						
Layer: Stones			**ND**				
Layer: Black Tars			**ND**				
Layer: Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (10 %) Fibrous Glass (20 %)		**Asbestos (ND)**					
2	51257626						
Layer: Stones			**ND**				
Layer: Black Tars			**ND**				
Layer: Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (5 %) Fibrous Glass (20 %)		**Asbestos (ND)**					
3	51257627						
Layer: Stones			**ND**				
Layer: Black Tars			**ND**				
Layer: Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (10 %) Fibrous Glass (20 %)		**Asbestos (ND)**					
4	51257628						
Layer: Silver Paint			**ND**				
Layer: Off-White Semi-Fibrous Material			**ND**				
Layer: Silver Paint			**ND**				
Layer: Grey Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %)		**Asbestos (ND)**					

2959 Pacific Commerce Drive, Rancho Dominguez, CA 90221 / Telephone: (310) 763-2374 (888) 813-9417 / Fax: (310) 763-8684

Report Number: B291461

Client Name: FCG Environmental **Date Printed:** 08/12/19

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
5	51257629						
Layer: Off-White Non-Fibrous Material			**ND**				
Layer: Silver Paint			**ND**				
Layer: Grey Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %)		**Asbestos (ND)**					
6	51257630						
Layer: Silver Paint			**ND**				
Layer: Off-White Semi-Fibrous Material			**ND**				
Layer: Grey Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %)		**Asbestos (ND)**					
7	51257631						
Layer: Stones			**ND**				
Layer: Black Tars			**ND**				
Layer: Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (5 %) Fibrous Glass (20 %)		**Asbestos (ND)**					
8	51257632						
Layer: Stones			**ND**				
Layer: Black Tars			**ND**				
Layer: Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (5 %) Fibrous Glass (20 %)		**Asbestos (ND)**					
9	51257633						
Layer: Stones			**ND**				
Layer: Black Tars			**ND**				
Layer: Black Felts			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Wood			**ND**				
Total Composite Values of Fibrous Components: Cellulose (15 %) Fibrous Glass (20 %)		**Asbestos (ND)**					
10	51257634						
Layer: Grey Semi-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Synthetic (2 %)		**Asbestos (ND)**					

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
11	51257635						
Layer: Silver Paint			**ND**				
Layer: Off-White Semi-Fibrous Material			**ND**				
Layer: Silver Paint			**ND**				
Layer: Grey Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %)		**Asbestos (ND)**					
12	51257636						
Layer: Silver Paint			**ND**				
Layer: Off-White Semi-Fibrous Material			**ND**				
Layer: Silver Paint			**ND**				
Layer: Grey Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (2 %)		**Asbestos (ND)**					

Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client No.: 7238
FCG Environmental
(Forbess Consulting Group, Inc.)
1009 Mercer Avenue
Ojai, CA 93023

PO / Job#: Oxnard UHSD-35 Date: 8-9-19

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☒ PLM: ☒ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Alan Forbess, Bill Miller

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

Phone: (805) 646-1995 Fax: (805) 669-3538

E-mail: aforbess@fcgenviro.com, bmiller@fcgenviro.com

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: Channel Islands HS/1400 Raiders Way

☐ Metals Analysis: Method:

Site Location: Bldgs. BZ + C2

Matrix:

Analytes:

Comments: Roof Survey

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
Samples 1-12			A P C				
			A P C				
See Attached log			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: BRF Date: 8-9-19 Time: 2:00pm

Shipped Via: ☒ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 8-9-19 4:00pm	Date / Time:	Date / Time:
Received By: FE	Received By:	Received By:
Date / Time: 8-12-19 9:05 A	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-8684
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

FCG Environmental

Asbestos Bulk Sampling Field Log

Date:	8-9-19
Client:	OUHSD
Site:	Channel Islands HS
Project:	OUHSD-35
Inspector(s):	BRF
Area/Unit:	Bldg. B + C

Friable: Friability Codes: N=Non-friable; F=Friable
Cond: Condition Codes: G=Good; F=Fair; P=Poor

NA=Not Analyzed
ND=Detected
N=Negative

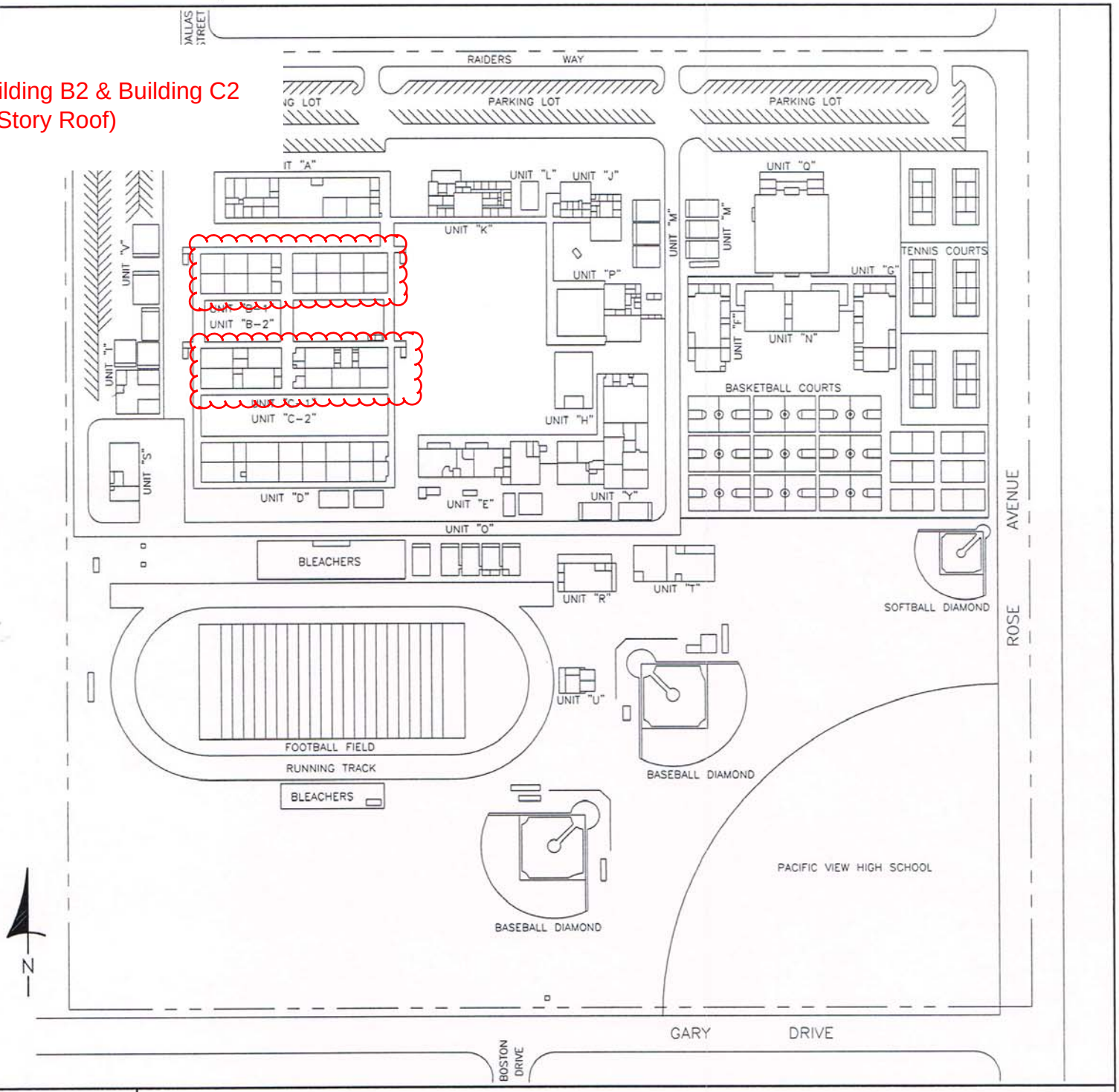
1	Roofing layers w/ stones	Bldg. B / East side	T/O		N	G
2	↓ ↓	Middle	↓		↓	↓
3	↓ ↓	West side	↓		↓	↓
4	Roof Mastics / Beige w/ Silver paint	SE 4" Pipe Pen.	50 sf total		N	F
5	↓ ↓ ↓	North ↓ ↓ ↓	↓		↓	↓
6	↓ ↓ ↓	SW ↓ ↓ ↓	↓		↓	↓
7	Roofing layers w/ stones	Bldg. C / East side	T/O		N	G
8	↓ ↓	Middle	↓		↓	↓
9	↓ ↓	West side	↓		↓	↓
10	Roof Mastics	East exhaust Fan Duct seam	15 sf		N	F
11	↓ ↓ w/ Silver Paint	~~East~~ South 6" Vent Pipe Pen.	60 sf		↓	↓
12	↓ ↓ ↓	NW 6" vent pipe Pen.	↓		↓	↓

* PACM - 13 Transite pipes on Bldg. B
* PACM - 21 Transite pipes on Bldg. C

Oxnard Union High School District
Channel Islands High School, Ventura County
☐ New Construction
☐ Modernization/Reconstruction

Diagram of Building Area
☒ Existing 1-A
☐ Proposed 2-A
☐ Final 3-A

Building B2 & Building C2
(2 Story Roof)



Siteplan
Channel Islands High School
1400 East Raiders Way – Oxnard, CA 93033
Web Site – www.ouhsd.k12.ca.us
Phone (805) 385-2787 FAX (805) 385-2764

Oxnard Union High School District
100 YEARS OF EXCELLENCE

The above is measured in accordance with the laws and regulations governing the State School Building Lease-Purchase Program.

cadxservices@yahoo.com

January 10, 2007
Scale: 1"=200'-0"
D.S.A.# 00000

CI HS 8-9-19 Ouhsd-35 1400 Raiders Way Bldg. B+C