

AHERA 3-YEAR RE-INSPECTION

Juan Cabrillo Elementary School 30237 Morningview Drive Malibu, California

Prepared for:

Santa Monica-Malibu Unified School District 1651 Sixteenth Street Santa Monica, California 90404

Project No.: SMSD-13-3520 Date: June 11, 2013

Alta Environmental 3777 Long Beach Boulevard Annex Building Long Beach CA 90807 United States of America T 562 495 5777 F 562 495 5877 Toll-free (US only) 800 777-0605 altaenviron.com

EXECUTIVE SUMMARY

Alta Environmental conducted an AHERA 3-year re-inspection of Juan Cabrillo Elementary School, located at 30237 Morningview Drive, Malibu, California. Alta Environmental's Certified Asbestos Consultant conducted the following activities to document the project:

- Visual inspection of known asbestos-containing materials (ACM), both friable and non-friable, and suspect ACM not previously identified or sampled;
- · Identification of friable and non-friable ACM including ACM not previously identified or sampled;
- Assessment of friable and damaged non-friable ACM, including ACM not previously identified or sampled; and
- For each suspect material not assumed to be ACM, the inspection include the collection, submission and analysis of bulk samples as outlined in 40 CFR 763 Subpart E.

CONTENTS

1	PROJECT SUMMARY	1
2	FIELD AND ANALYTICAL METHODOLOGY	1
3	RESULTS	1
4	RECOMMENDATIONS	2
5	ASSUMPTIONS AND LIMITATIONS	2
6	SIGNATORY	3

Appendices

Appendix A: Material Inventories
Appendix B: Abatement Records
Appendix C: Response Action Ratings
Appendix D: Assessments
Appendix E: Location Drawings

Appendix F: Alta Environmental Employee Certifications

REPORTED: June 11, 2013

PROJECT NO.: SMSD-13-3520

- CLIENT: Santa Monica-Malibu Unified School District 1651 Sixteenth Street Santa Monica, California 90404
- ATTENTION: Mr. Dennis Chavez
- REF: AHERA 3-Year Re-inspection Juan Cabrillo Elementary School 30237 Morningview Drive Malibu, California

1 PROJECT SUMMARY

Alta Environmental conducted an AHERA 3-year re-inspection of Juan Cabrillo Elementary School located at 30237 Morningview Drive, Malibu, California. Christine Jordan, a Cal/OSHA Certified Asbestos Consultant and EPA-accredited Building Inspector employed by Alta Environmental, conducted the inspection on March 27, 2013.

2 FIELD AND ANALYTICAL METHODOLOGY

The inspection was conducted in accordance with protocol set forth in the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR 763 Subpart E. Information in this report is based on the original AHERA inspection conducted in fulfillment of the requirements of 40 CFR 763 Subpart E.

The re-inspection activities included the following elements:

- Visual inspection of known asbestos-containing materials (ACM), both friable and non-friable, and suspect ACM not previously identified or sampled;
- · Identification of friable and non-friable ACM including ACM not previously identified or sampled;
- Assessment of friable and damaged non-friable ACM, including ACM not previously identified or sampled; and
- For each suspect material not assumed to be ACM, the inspection include the collection, submission and analysis of bulk samples as outlined in *40 CFR 763 Subpart E.*

3 RESULTS

Please refer to the AHERA 3-year re-inspection material inventory located in Appendix A.

4 RECOMMENDATIONS

ACM should be monitored and maintained as part of the Juan Cabrillo Elementary School operations and maintenance program until renovation or demolition activities require removal or until material becomes significantly damaged or the hazard potential changes. Remove or repair these items when practical and cost-effective in conjunction with an EPA-accredited Project Designer.

5 ASSUMPTIONS AND LIMITATIONS

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

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

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

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

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

If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Santa Monica-Malibu Unified School District.

6 SIGNATORY

Respectfully submitted by:

Alta Environmental

6

Christine Jordan Associate Certified Asbestos Consultant Cal/OSHA Cert. #92-0215

CJ:cj

Reviewed by:

Alta Environmental

Cesar Ruvalcaba Certified Asbestos Consultant Cal/OSHA Cert. #95-1799

Appendix A

Material Inventories



AHERA 3-year re-inspection-Juan Cabrillo ES Santa Monica-Malibu Unified School District March 27, 2013 SMSD-13-3520 **Re-Inspection:** Project Name: Project No.: Client:

Building A

Material Class (1)	Material	Material Location	Current Assessment (2)	Friable (Y or N)	Approximate Quantity	Results (3) or Sample #	Recommendations/ Response Action (4)
Μ	Gray rolled roof core	Roof	DN	No	2,700 sq. ft	Neg	N/A
W	Roof mastic	Roof, penetrations	QN	No	30 In. ft.	Neg	N/A
W	Stucco	Exterior walls	QN	No	2,500 sq. ft	<1% chrysotile	8

Note: According to information provided by the client, the interior of this building was completely renovated in 1992. The interiors were not inspected, Post AHERA.

(1) S: surfacing, TSI: thermal system insulation, M: miscellaneous

(2) ND: not damaged, D: damaged, SD: significantly damaged
(3) POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing; ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing



Client:Santa Monica-Malibu Unified School DistrictProject No.::SMSD-13-3520Project Name:AHERA 3-year re-inspection-Juan Cabrillo ESRe-Inspection:March 27, 2013

Building B

a Guinina							
Material Class (1)	Material	Material Location	Current Assessment (2)	Friable (Y or N)	Approximate Quantity	Results (3) or Sample #	Recommendations/ Response Action (4)
Σ	12" gray speckled floor tile with leveling compound and mastic	Classroom 1-5 (at entrances to each classroom. The rest of the area in each room is carpet). Visible at doorways & work areas near counters & closets	Q	Ž	2,000 sq. ft	Neg	N/A
Σ	12" straight line wall tile	Rooms 1-5	QN	٩	350 sq. ft.	Neg	N/A
Σ	Mastic associated with 12" straight line wall tile	Rooms 1-5	QN	°N N	350 sq. ft	Neg	N/A
Σ	2'X4' fissured ceiling panel	Rooms 1-5	QN	oN N	2,000 sq. ft	Neg	N/A
Ψ	4" gray cove base with adhesive	Rooms 1-5	QN	No	700 In. ft.	Neg	N/A
W	Gravel roof core	Roof	DN	No	7,000 sq. ft	Neg	N/A
W	Roof mastic	Roof penetrations	DN	No	70 sq. ft	Neg	N/A
S	Stucco	Exterior walls	QN	No	7,000 sq. ft	Pos	8
S	Smooth plaster ceilings	Bathrooms and heater closets	QN	٩N	950 sq. ft	Assumed 2	8
W	Sink undercoating	Under sinks in all classrooms	QN	oN N	20 sq. ft	Pos	8
M	Chalkboard mastic	All rooms	QN	No	200 sq. ft	Assumed 1	8
W	9" beige floor tile & mastic	Telephone room adjacent to Room 4	QN	No	25 sq.ft.	Assumed 1	8
S	Anti-skid material	In front of heater closet 131 & restroom	QN	No	30 sq. ft.	Assumed 1	8
(1) S: surfacing, 7	(1) S: surfacing, TSI: thermal system insulation, M: miscellaneous	tion, M: miscellaneous					

S: surfacing, TSI: thermal system insulation, M: miscellaneous
 ND: not damaged, D: damaged, SD: significantly damaged



Client:	Santa Monica-Malibu Unified School District
Project No.:	SMSD-13-3520
Project Name:	AHERA 3-year re-inspection-Juan Cabrillo ES
Re-Inspection:	March 27, 2013

Building B

Material Class M		Material I acadian	Current	Friable	Approximate	Results (3) or	Recommendations/
	Material	Material Location	Assessment (2)	(Y or N)	Quantity	Sample #	Response Action (4)
(3) POS: previous	sly identified as positive, N	(3) POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing;	ative, ASSUMED 1	= new materia	al, not sampled,	assumed asbesto	s-containing;
	lles selemes davious ten :	ACCUMED 0 - and another collected metallic control of another	aton containing				

ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing (4) For response actions 1–8 refer to "Response Action Ratings Sheet"



AHERA 3-year re-inspection-Juan Cabrillo ES Santa Monica-Malibu Unified School District SMSD-13-3520 March 27, 2013 Re-Inspection: Project Name: Project No.: Client:

Building C

Material Clace (1)	Material	Material I ocation	Current	Friable	Approximate	Results (3) or	Recommendations/
			Assessment (2)	(Y or N)	Quantity	Sample #	Response Action (4)
Σ	Drywall with mud	Boy's and girl's restroom,	DN	No	950 sq. ft	Neg	N/A
		faculty restrooms					
Σ	12" gray speckled floor	Classroom 8-11, Conference	QN	No	3,600 sq. ft.	Neg	N/A
	tile and mastic	Room 6					
W	Stucco	Exterior walls	QN	٥N	4,200 sq. ft	Neg	N/A
W	Gray rolled roof	Roof	QN	No	4,500 sq. ft	Neg	N/A
W	Roof mastic	Roof penetrations	QN	٥N	50 sq. ft.	Neg	80
W	2'X4' fissured ceiling panel	Classrooms 8-11	Q	No	7,500 sq. ft	Assumed 1	ω
W	Sink undercoat	Under sinks in all classrooms	Ð	Ŷ	50 sq. ft	Pos	ω
S	Chalkboard and mastic	All classrooms	QN	8	200 sq. ft	Assumed 1	8
S	Rough plaster walls and ceilings	Heater closet, electrical room, utility room	QN	No	1,800 sq. ft	Neg	N/A
M	Smooth plaster walls	Bathrooms	Q	٥N	950 sq. ft	Neg	N/A
¥	12" straight peghole ceiling tile and mastic	All classrooms and PTA office, Conference Room 6	QN	No	2,000 sq. ft	Neg	N/A
W	4" grey cove base and	All classrooms and PTA office,	QN	Ŷ	600 In. ft.	Assumed 1	80
(1) S: surfacing,	(1) S: surfacing, TSI: thermal system insulation, M: miscellaneous	tion, M: miscellaneous					

(2) ND: not damaged, D: damaged, SD: significantly damaged

(3) POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing; ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing (4) For response actions 1–8 refer to "Response Action Ratings Sheet"



Client:Santa Monica-Malibu Unified School DistrictProject No.:SMSD-13-3520Project Name:AHERA 3-year re-inspection-Juan Cabrillo ESRe-Inspection:March 27, 2013

Building D

Material Class (1)	Material	Material Location	Current	Friable	Approximate	Results (3) or	Recommendations/
Σ	12" gray speckled floor	Rooms 12-15		No	3,800 sq. ft	Neg	N/A
	tile and mastic				-	,	
W	Drywall with joint	Rooms 12-15 and bathrooms,	Q	No	3,700 sq. ft	Pos	œ
	compound	heater closets and electrical closets					
¥	4" gray cove base with glue	Room 12-15	Q	°N N	340 In. ft.	Assumed 1	ω
W	2'X4' fissured ceiling	Room 12-15	Q	No	3,200 sq. ft	Assumed 1	σ
M		Doof			4 EOD 22 #	Nee	NIZ
W	Gray rolled root core	K001	N	NO	4,500 Sq. TI	Neg	N/A
Ψ	Roof mastic	Roof penetrations	ND	No	60 sq. ft	Neg	N/A
S	Stucco	Exterior walls	ND	No	4,800 sq. ft	Neg	N/A
W	Sink undercoat	Under sinks in all classrooms	Q	°N N	40 sq. ft	Pos	œ
Μ	Chalkboard and mastic	All classrooms	QN	No	200 sq. ft	Assumed 1	N/A
W	12" reddish brown floor	Classroom 13 (under new 12"	Q	No	900 sq. ft	Pos	8
	tile and mastic	grey speckled floor tile-not observed as stated but					
		assumed present under current flooring					
Σ	Rough plaster walls and Room 157	Room 157	QN	No	300 sq. ft	Assumed 1	8
	ceilings						

(1) S: surfacing, TSI: thermal system insulation, M: miscellaneous

(2) ND: not damaged, D: damaged, SD: significantly damaged

(3) POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing; ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing



Client:Santa Monica-Malibu Unified School DistrictProject No.:SMSD-13-3520Project Name:AHERA 3-year re-inspection-Juan Cabrillo ESRe-Inspection:March 27, 2013

Building E

Material Class (1)	Material	Material Location	Current Assessment (2)	Friable (Y or N)	Approximate Quantity	Results (3) or Sample #	Recommendations/ Response Action (4)
Σ	HVAC joint tape	Roof, HVAC on northwest side	QN	No	15 sq. ft	Neg	N/A
Ψ	Gray rolled roof	Roof	Q	No	2,700 sq. ft	Neg	N/A
W	Roof mastic	Roof penetrations	QN	No	40 sq. ft	Neg	N/A
S	Rough plaster walls	Reading room, audio visual,	QN	٥N	2,500 sq. ft	<1% chrysotile	8
		workroom, office, electrical closet in mechanical room					
Σ	12" dark blue floor tile	Reading room, northwest side,	Q	No	120 sq. ft	Neg	N/A
	with adhesive	audio visual room, work room				1	
		and office-not observed as					
		stated. This material was					
		observed at the entrance to					
		the entrances to the					
		Library/Media Center					
Σ	12" gray speckled floor	Reading room, northwest side,	DN	No	630 sq. ft	BeN	N/A
	tile with adhesive	audio visual room, work room				and the second sec	
		and office					
S	4" dark blue covebase	Reading room, northwest side,	QN	No	100 In. ft.	Neg	N/A
	with glue	audio visual room, work room					
		and office-not observed as					
		stated; this material was					
		observed in the main library.					
		Office has grey covebase &					
		speech room has wood					
		baseboard.					
¥	4" grey covebase with	Office and work room	QN	°N	100 In. ft.	Assumed 1	ω
	(diac						



AHERA 3-year re-inspection-Juan Cabrillo ES Santa Monica-Malibu Unified School District SMSD-13-3520 March 27, 2013 Re-Inspection: **Project Name:** Project No.: Client:

Building E

Material Class (1)	Material	Material I cration	Current	Friable	Approximate	Results (3) or	Recommendations/
			Assessment (2)	(Y or N)	Quantity	Sample #	Response Action (4)
×	Sink undercoat	Under sinks in all classrooms-	9	No	5 sq. ft	Pos	8
		only one sink is present in					
		office					
W	Chalkboard with mastic All classrooms	All classrooms	QN	٥N	200 sq. ft	Assumed 1	8
S	Stucco	Exterior walls	Q	٥N	5,000 sq. ft	Pos	8
Z	12" random pinhole	Office and work room (not	Q	No	500 sq. ft	Neg	N/A
	ceiling tile	observed as stated in work			ł	A LED	
		room, but present in speech,					
		main library, walls & soffit)					
M	1'x2' acoustical ceiling	Main library & AV room 112	Q	No	3,000 sq. ft	Assumed 1	80
	tile						
W	9" tan floor tile with white	9" tan floor tile with white Work room (under new floor	g	No	180 sq. ft	Pos	80
	streaks and mastic	tile)-not observed as stated					
		but assumed present under					
		current flooring					
(1) S: surfacing, 1	(1) S: surfacing, TSI: thermal system insulation, M: miscellaneous	tion, M: miscellaneous					

unacing, roi.

(2) ND: not damaged, D: damaged, SD: significantly damaged

(3) POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing; ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing



SMSD-13-3520 AHERA 3-year re-inspection-Juan Cabrillo ES Santa Monica-Malibu Unified School District March 27, 2013 Re-Inspection: Project Name: Project No.: Client:

Building F

Material Class (1)	Material	Material Location	Current Accoccment (2)	Friable	Approximate	Results (3) or Cample #	Recommendations/
Σ	Gypsum wall and joint	Classrooms and electrical	UN UN	No	1,000 sq. ft	Assumed 2	8
	compound	storage rooms					
Ψ	Gray roof core	Roof	Q	٥N	2,500 sq. ft	Neg	N/A
Σ	Roof mastic	Roof penetrations	Q	٥N	40 sq. ft	Neg	N/A
S	Rough plaster	Classrooms 16-23	Q	No	7,000 sq. ft	Neg	N/A
≥	12" gray speckled floor tile with glue	Classrooms 16-23	QN	٥N	8,500 sq. ft	Neg	N/A
Z	Sink undercoating	Under sinks in all classrooms	Q	° N	40 sq. ft	Pos	ω
W	Chalkboard and mastic	All classrooms	QN	No	200 sq. ft	Assumed 1	8
W	9" gray floor tile with streaks with mastic	All classrooms except in room 9-not observed as stated, there is no classroom 9 in this building. Room 19 appears to have a single layer of 12" grey floor tile	Ð	8	5,000 sq. ft	Pos	œ
¥	12" gray with black streaks floor tile with mastic	Classroom 16-not observed as stated	Q	Ŷ	900 sq. ft	Neg	N/A
W	1'x'2' acoustical ceiling tile	Rooms 18, 19, 20, 21, 22, 23	QN	No	6,000 sq. ft	Assumed 1	8
S	Exterior wall and ceiling All exterior walls stucco	All exterior walls	QN	0N	12,000 sq. ft	Pos	8
(1) S: surfacing, 1	(1) S: surfacing, TSI: thermal system insulation, M: miscellaneous	tion, M: miscellaneous					

5 Idding, Idi.

(2) ND: not damaged, D: damaged, SD: significantly damaged
(3) POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing; ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing



AHERA 3-year re-inspection-Juan Cabrillo ES Santa Monica-Malibu Unified School District SMSD-13-3520 March 27, 2013 Re-Inspection: Project Name: Project No.: Client:

Walkways

Material Class (1)	Material	Material Location	Current Assessment (2)	Friable (Y or N)	Approximate Quantity	Results (3) or Sample #	Recommendations/ Response Action (4)
M	Gray rolled roof core	Walkways	QN	No	9,000 sq. ft	Neg	N/A
Σ	Roof mastic	Walkways on piping, wood	QN	No	800 sq. ft	Neg	N/A
		supports, stands					

 S: surfacing, TSI: thermal system insulation, M: miscellaneous
 ND: not damaged, D: damaged, SD: significantly damaged
 POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing; ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing



AHERA 3-year re-inspection-Juan Cabrillo ES March 27, 2013 Santa Monica-Malibu Unified School District SMSD-13-3520 Re-Inspection: Project Name: Project No.: Client:

Cottage A and B

Material Class (4)	Mataial	Method andion	Current	Friable	Approximate	Results (3) or	Recommendations/	
Material Class (1)			Assessment (2)	(Y or N)	Quantity	Sample #	Response Action (4)	
W	Beige floor sheeting	Cottage A, B	QN	No	900 sq. ft	Assumed 2	8	
Ø	4" dark gray cove base with due	Cottage A and B	QN	No	140 sq. ft	Neg	N/A	
Σ	2'X4' fissured ceiling	Cottage A and B	QN	Yes	1,900 sq. ft	Neg	N/A	
Σ	Drywall	Cottage A and B	QN	No	2,400 sq. ft	Neg	N/A	
Σ	12" light gray floor tile with glue	Cottage A, B-not observed as stated but assumed present under current flooring	Q	Ŷ	1,800 sq. ft	Assumed 2	ω	
Σ	Gray rolled roof core	Cottage A and B	QN	No	1,900 sq. ft	Neg	N/A	
W	Roof mastic	Cottage A and B	QN	No	3 sq. ft	Pos	8	
(1) S: surfacing.	(1) S: surfacing. TSI: thermal system insulation. M: miscellaneous	ation. M: miscellaneous						

1) S. Surracing, 1 SI. thermal system insulation, M. miscellaneous

(2) ND: not damaged, D: damaged, SD: significantly damaged

(3) POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing; ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing



Santa Monica-Malibu Unified School District SMSD-13-3520 AHERA 3-year re-inspection-Juan Cabrillo ES March 27, 2013 Re-Inspection: Project Name: Project No.: Client:

MPR (Not noted on previous reports)

Material Clace (1)	Matorial	Matorial Location	Current	Friable	Approximate	Results (3) or	Recommendations/
			Assessment (2)	(Y or N)	Quantity	Sample #	Response Action (4)
¥	2'X4' fissured ceiling panel	Room 35	QN	Yes	240 sq. ft	Assumed 1	Ø
M/S	Drywall joint compound	Drywall joint compound Room 35, Kitchen, MPR	QN	No	3,000 sq. ft	Assumed 1	8
W	4" grey cove base with glue	Room 35, Kitchen	QN	No	360 In. ft	Assumed 1	8
¥	grey sheet vinyl	Kitchen	QN	No	640 sq. ft	Assumed 1	8
W	wood pattern sheet vinyl MPR on stage	MPR on stage	QN	No	130 sq. ft	Assumed 1	8
S	Carpet mastic	Room 35	QN	No	240 sq. ft	Assumed 1	8

(1) S: surfacing, TSI: thermal system insulation, M: miscellaneous

 ND: not damaged, D: damaged, SD: significantly damaged
 POS: previously identified as positive, NEG: previously identified as negative, ASSUMED 1 = new material, not sampled, assumed asbestos-containing; ASSUMED 2 = not enough samples collected, material is assumed asbestos-containing

Appendix B

Abatement Records

Appendix C

Response Action Ratings

FIGURE 4 - RESPONSE ACTION EIERARCHY THERMAL SYSTEM INSULATION (TSI- ACM)

Response Action Priorities

- 1) Isolate area and restrict access. Immediate removal is mandatory; contact an Accredited Project Designer (APD).
- Isolate area and restrict access. Repair or Remove Immediately; contact an APD. If ACBM remains following response action, followup with O&M; restrict access to reduce disturbance potential.
- 3) Continue O&M. Limit access to reduce disturbance potential. Schedule repair or removal on a priority basis; contact an APD. If ACBM remains following response action, followup with O&M; limit access to reduce disturbance potential.
- 4) Continue O&M. Limit access to reduce disturbance potential. Schedule repair or removal when practical and cost effective; contact an APD.
- 5) Continue O&M. Schedule repair or removal when practical and cost effective; contact an APD.
- 6) Same as 5 (lower priority basis).
- 7) Continue O&M. Reduce disturbance potential where practical. Remove when practical and cost effective; contact an APD.
- 8) Continue O&M until major renovation/demolition requires removal under NESHAPs or until hazard potential changes. Remove when practical and cost effective; contact an APD.

.

FIGURE 1 - DECISION TREE

. THERMAL SYSTEM INSULATION ASBESTOS CONTAINING BUILDING MATERIALS (TSI-ACMs)

. .

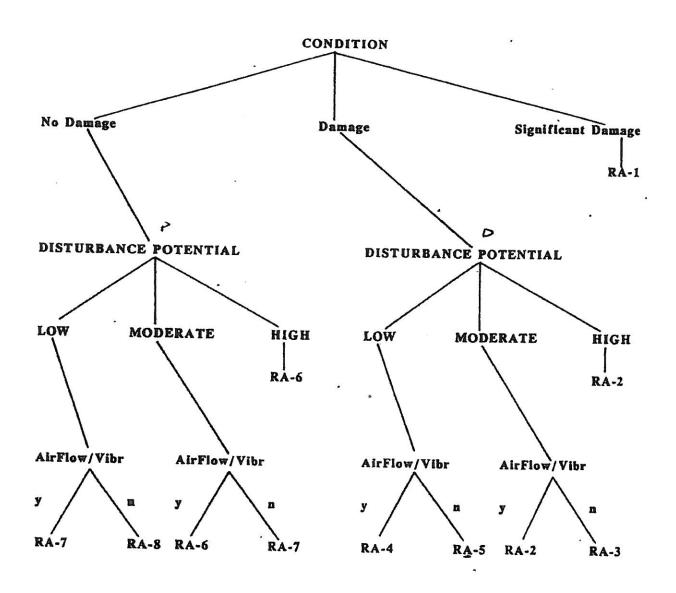


FIGURE 5 - RESPONSE ACTION HIERARCHY SURFACING MATERIALS (SURFACING - ACEMS)

Response Action Priorities

- 1) Isolate area and restrict access. Immediate removal is mandatory; contact an Accredited Project Designer (APD).
- Isolate area and restrict access. Repair or Remove Immediately; contact an APD. If ACBM remains following response action, followup with O&M; restrict access to reduce disturbance potential.
- 3) Continue O&M. Limit access to reduce disturbance potential. Schedule repair or remove on a priority basis; contact an APD. If ACBM remains following response action, followup with O&M; limit access to reduce disturbance potential.
- 4) Continue O&M. Limit access to reduce disturbance potential. Schedule repair or remove when practical and cost effective; contact an APD.
- 5) Continue O&M. Schedule repair or remove when practical and cost effective; contact an APD.
- 6) Same as 5 (lower priority basis).
- 7) Continue O&M. Reduce disturbance potential where practical. Remove when practical and cost effective; contact an APD.
- 8) Continue O&M until major renovation/demolition requires removal under NESHAPs or until hazard potential changes. Remove when practical and cost effective; contact an APD.

SURFACING MATERIAL ASBESTOS CONTAINING BUILDING MATERIALS (SURFACING-ACBMS)

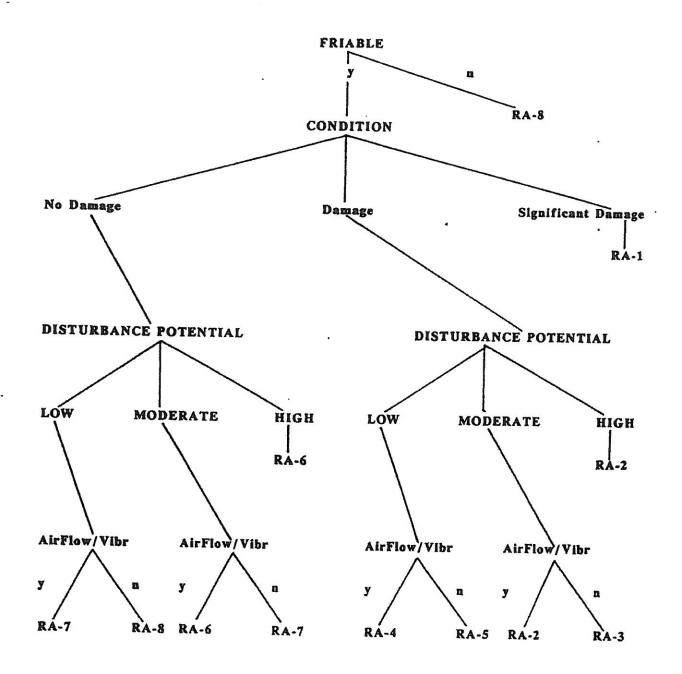


FIGURE 6 - RESPONSE ACTION HIERARCHY MISCELLANEOUS MATERIALS (MISC.- ACEMS)

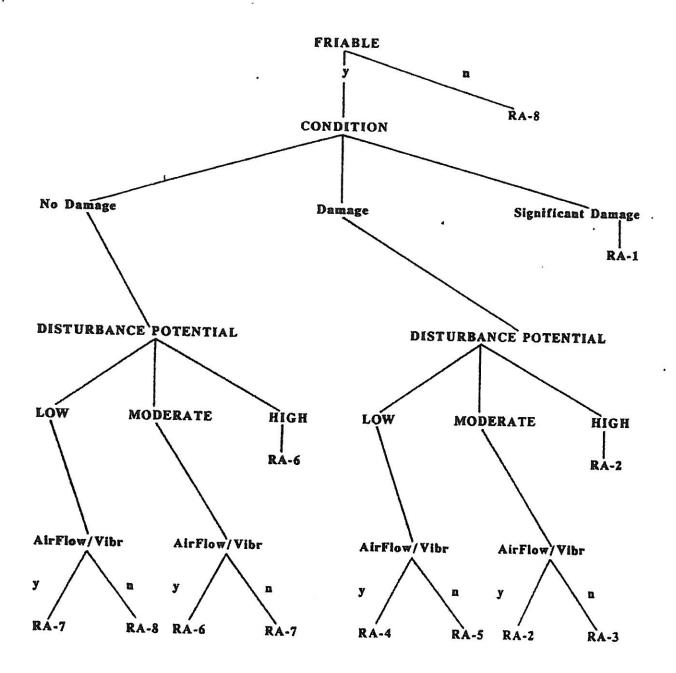
Response Action Priorities

- 1) Isolate area and restrict access. Immediate removal is mandatory; contact an Accredited Project Designer (APD).
- 2) Isolate area and restrict access. Repair, Encapsulate, or Remove Immediately; contact an APD. If ACBM remains following response action, followup with O&M; restrict access to reduce disturbance potential.
- 3) Continue O&M. Limit access to reduce disturbance potential. Schedule repair, encapsulate, or remove on a priority basis; contact an APD. If ACBM remains following response action, followup with O&M; limit access to reduce disturbance potential.
- 4) Continue O&M. Limit access to reduce disturbance potential. Schedule repair, encapsulate, or remove when practical and cost effective; contact an APD.
- 5) Continue O&M. Schedule repair, encapsulate, or remove when practical and cost effective; contact an APD.
- 6) Same as 5 (lower priority basis).
- 7) Continue O&M. Reduce disturbance potential where practical. Remove when practical and cost effective; contact an APD.
- 8) Continue O&M until major renovation/demolition requires removal under NESHAPs or until hazard potential changes. Remove when practical and cost effective; contact an APD.

1

FIGURE 3 - DECISION TREE

MISCELLANEOUS MATERIAL ASBESTOS CONTAINING BUILDING MATERIALS (MISC.-ACBMS)



Appendix D

Assessments

<section-header><section-header><form></form></section-header></section-header>	2'X4 fissured C.P.	
Sumple Number Sumple Number School Name Functional Space Description School Name School Name 1. Frakbe Material: Image: Number 1. Frakbe Material: Image: Number 1. School Name Image: Number (A) No Damage: Image: Number (A) No Damage: Image: Number (A) No Damage: Image: Number (B) School Name Image: Number (A) No Damage: Image: Number (B) School Name Image: Number (C) Sciption of Domage: Image: Number (B) Specific of Damage: Image: Number (C) Sciption of Domage: Image: Number (B) Science: Image: Numbe		
School Namer Building Number Building Number Hable Material: School Namer Building Namer (1) School Namage (1) School Namage (1) School Namage (1) School Namage (1) School Namage (1) School Namage (1) School Namage (2) School Namage (3) School Namage (4) School Namage (3) School Namage (4) School Namage (3) School Namagee (3) School Namage (3) School Namagee (3) School	ASSESSMENT SH	Functional Space Number
Building Number Building Namer I. Friable Material: I. Seriable Material: A. Springer Riting: I. Strike Material: (1) = 10% Distributed (2) = 25% Localized (2) = 25% Localized (3) Alt Exposite (1) > 10% Distributed (2) are striked (2) = 25% Localized (3) Alt Exposite (1) > 10% Distributed (3) Alt Exposite (2) > 25% Localized (3) Derison file (3) Significant Damage: (1) Distributed (1) Distributed (3) Alt Exposite (3) Significant Damage (1) Derison file (3) Devision File (1) Strange Marks (3) Buckling (5) Debis on File (3) Strand Distributed (1) RippedMatting Jackets (1) I very itsus; (1) Near Systems Requiring Repair/Maint. (2) Acidental Contact Possible (1) Near Systems Requiring Repair/Maint. (2) Acidental Contact Possible (1) Near Systems Requiring Repair/Maint. (2) Acidental Contact Possible (1) Near Systems Requiring Repair/Maint. (2) Acidental Contact Possible (1) Near Systems Requiring Repair/Maint. (2) Acidental Contact Possible (2) Moderate (3) Public		
1. Friable Material: 2. Non-friable Material: 3. Damage Rating: (1) Moderate Tainage (1) < 10% Distributed		
3. Demage Rating: 4. Type of Danage (1) No Danage: (1) Deterioration (2) Significant Danage: (3) Air Ergister (1) Significant Danage: (3) Combed Insulation (1) Significant Danage: (1) Dislodged/Missing Pieces (1) Bister (1) Deterioration (2) Significant Danage: (1) Stars Posterial (1) Significant Danage: (1) Stars Posterial (2) Bugkfing (3) Dethin an Floor (3) Combining (6) Detamination (3) Contact: (1) Near Systems Requiring Repair/Maint. (1) Very Heldy. (1) Near Systems Requiring Repair/Maint. (2) Acidential Contact Possible (1) Near Systems Requiring Repair/Maint. (2) Acidential Contact Possible (1) Near Systems Requiring Repair/Maint. (2) Sindensort Teachers (1) Dow (2) Ober (2) Source of Vibration: (2) Source Posterial (2) Missing Pieces (1) Maint. Workers (2) Influence of Vibration: (2) Sindens/Teachease (3) High	Building Number	Building Name / MPR
(4) No Danage: (1) ~ (1) Substributed (2) ~ (2) Substributed (3) Substributed (4) Substributed (3) Substributed (3) Substributed (4) Substributed (3) Substributed (4) Substributed (3) Substributed Likely (4) Substributed Likely (5) Substributed Likely (6) Source of Vibration: (1) Maint. Workers (1) Maint. Workers (2) Substributed Likely (3) Substributed Likely (4) Substributed Likely (5) Source of Vibration: (1) Maint. Workers (3) Substributed Likely (4) Other (5) Substributed Likely (5) Substributed Likely (6) Source of Vibration: (1) Maint. Workers (2) Moderatic (3) Substributed Likely (3) Substributed Likely (4) Other (5) Substributed Likely (5) Substributed Likely (6) Source of Vibration: (1) Athelite Evolution (1) Athelite Evolution (1) Maint. Workers (2) Moderatic (3) Substributed Likely (3) Substributed Likely (4) Other (5) Substributed Likely (5) Substributed Likely (6) Source of Air Erosion: (1) Air Plenum (1) Substributed Likely (3) Substributed Likely (4) Area Not Normally Entered (5) Substributed Likely (6) Source of Air Erosion: (1) Maint. Workers (3) Substributed Likely (4) Other (3) Substributed Likely (4) Other (5) Substributed Likely (5) Substributed Likely (6) Source of Air Erosion: (1) Substributed Likely (3) Substributed Likely (4) Other (3) Substributed Likely (4) Area Not Normally Entered (5) Substributed Likely (6) Source of Air Erosion: (1) Likely (1) Restrict Access (2) Other (3	1. Friable Material:	2. Non-friable Material:
(1) Bisters (1) Cushed Insulation (2) Dislodged/Missing Pieces (1) Scrape Marks (2) Bruching (5) Delamination (9) Punctures (1) Scinis/Discoloration (3) Prombling (6) Delamination (9) Punctures (1) Scinis/Discoloration (1) Name Systems Requiring Repair/Maint. (1) Water Damage (1) Vary Likely. (1) Near Systems Requiring Repair/Maint. (2) Accidential For Contact: (1) Near Systems Requiring Repair/Maint. (2) Accidential For Contact: (1) Near Systems Requiring Repair/Maint. (2) Accidential For Contact: (1) Near Systems Requiring Repair/Maint. (2) Accidential For Contact: (1) Unificance of Vibration: (2) Accidential Contact Possible (2) Moderate (3) Public (3) Numbin Reach of Students and Teachers (1) Maint. Workers (0) None (1) Low (2) Moderate (3) Public (2) Moderate (3) Public (3) High (1) I/Day Approx. Hours (1) Air Plenum (1) J/Day Approx. Hours (2) Air Shaft (2) Moderate (3) Elvator Shaft (3) High (4) Other (2) Moderate (3) Elvator Shaft	 (A) No Damage: (B) Moderate Damage (1) <= 10% Distributed (2) <= 25% Localized (C) Significant Damage: (1) >10% Distributed 	 (1) Deterioration (2) Water Damage (3) Air Erosion (4) Vandalism
(A) Potential For Contact: (B) Possible Contact Factors: (1) Very-likely. (B) Possible Contact Factors: (1) Near Systems Requiring Repair/Maint. (2) High Traffic Area (3) Small Disturbance Likely (3) Within Reach of Students and Teachers (4) Large Disturbance Likely (3) Within Reach of Students and Teachers (5) Occupancy: (D) Influence of Vibration: (E) Source of Vibration: (1) Maint. Workers (0) None (1) Athletic Events (2) Students/Teachers (1) Low (2) Mechanicy/Equipment (3) Public (3) High (4) Other (1) I/Day Approx. Hours (3) High (4) Other (1) I/Day Approx. Hours (1) Air Plenum (1) Restrict Access (1) Low (2) Air Shaft (2) Other (2) Moderate (3) Elevator Shaft (2) Other (3) High (4) Other (2) Other (4) Other (3) Elevator Shaft (2) Other (2) Moderate (3) Elevator Shaft (2) Other (3) High (4) Other (3) Elevator Shaft (2) Other (3) High (4) Other (3) Elevator Shaft (3) Dubrolition Planned (4)	(1) Blisters(4) Crushed Insulation(7) Dislodged/Missin(2) Bucking(5) Debris on Floor(8) Gouges(3) Crumbling(6) Delamination(9) Punctures	(12) Stains/Discoloration (13) Torn/Dislodged
(1) Maint. Workers (0) None (1) Athletic Events (2) Students/Teachers (1) Low (2) Mechanical Equipment (3) Public (2) Moderate (3) Sound Waves (4) Area Not Normally Entered (3) High (4) Qther (1) 1/Day Approx. Hours (3) High (4) Qther (1) 1/Day Approx. Hours (2) (4) Qther (1) 1/Day Approx. Hours (2) (2) 1/Wk. Approx. Hours (3) (3) 1/Mo. Approx. Hours (1) Air Plenum (1) Low (2) Air Shaft (2) Moderate (3) Elevator Shaft (2) Moderate (3) Elevator Shaft (3) High (4) Other (3) High (4) Other (2) Moderate (3) Elevator Shaft (3) High (4) Other (3) High (4) Other (3) High (4) Other (3) High (4) Other (3) High (5) Elevator Shaft (2) Moderate (3) Elevator Shaft (3) High (4) Other (3) High (4) Other (4) Other (5) Elevator Shaft (5) Elevator Shaft <td>(A) Potential For Contact: (1) Very Likely (2) Accidental Contact Possible (3) Small Disturbance Likely (4) Large Disturbance Likely</td> <td> (1) Near Systems Requiring Repair/Maint. (2) High Traffic Area (3) Within Reach of Students and Teachers </td>	(A) Potential For Contact: (1) Very Likely (2) Accidental Contact Possible (3) Small Disturbance Likely (4) Large Disturbance Likely	 (1) Near Systems Requiring Repair/Maint. (2) High Traffic Area (3) Within Reach of Students and Teachers
(0) None (1) Air Plenum (1) Restrict Access (1) Low (2) Air Shaft (2) Other (2) Moderate (3) Elevator Shaft (2) Other (3) High (4) Other 7. Removal of ACM Mandatory (Repair Not Possible: (Do not check above without eiving reason below.) Reason For Recommending Removal: (A) Remodeling/Renovation Planned (B) Demolition Planned Comments: This mayleural is assumed Acm as it was observed (a) blog not, hoked on phyjons we parts - MPR Blog (b) ST Attork	(1) Maint. Workers (0) None (2) Students/Teachers (1) Low (3) Public (2) Moderate (4) Area Not Normally Entered (3) High (1) 1/Day Approx. Hours (2) 1/Wk. Approx. Hours	(1) Athletic Events (2) Mechanical Equipment (3) Sound Waves
(Do not check above without eining reason below.) Reason For Recommending Removal: (A) Remodeling/Renovation Planned (B) Demolition Planned (B) Demolition Planned (B) Demolition Planned (B) Demolition Planned (B) Demolition Planned (Comments: This mathematic assumed Acm as it was observed (Comments: The second Acm as it was assumed Acm as it was assumed (Comments: The second Acm as it was assumed Acm as it was assumed (Comments: The second Acm as it was assumed Acm as it was assumed Acm as it was assumed Acm as it was assumed (Comments: The second Acm as it was assumed Acm as it was as	(0) None(1) Air Plenum(1) Low(2) Air Shaft(2) Moderate(3) Elevator Shaft	(1) Restrict Access
Comments: This material is assumed them as it was observed in blog not, noted on previous reports - MPR Blog is consolded to class room klags that note as post Attoph	(Do not check above without giving reason below.)	
(Print Name) (Print Name) (C grd (Date) (Date	Comments: This maderial is assume	ed Acm as it was observed
C grot Cloth 3-18-13	(Print Name)	ture) (Date)
CACTID-UDIS	c grot Cac 49	3-18-13 3-0215 al

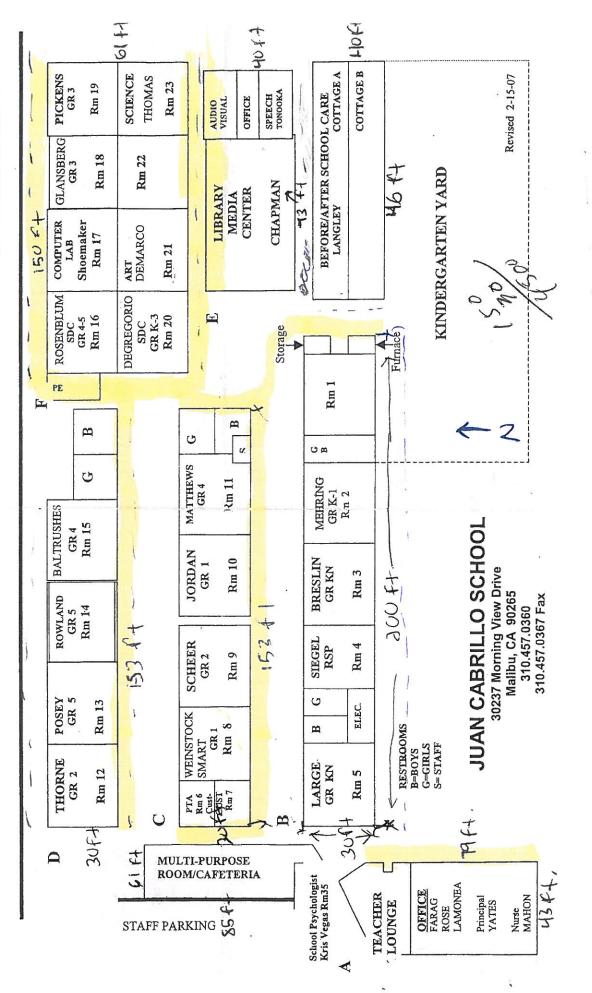
Appendix E

Location Drawings

2 overhave 2/ve

LEVY HUTCHINSON GR 2/3 Rm 24 (AT REAR OF PLAYGROUND)





Appendix F

Alta Environmental Employee Certifications

STATE OF CALIFORNIA

Long Beach

DEPARTMENT OF INDUSTRIAL RELATIONS Division of Occupational Safety and Health Asbestos Unit 2424 Arden Way, Suite 485 Sacramento, CA 95825-2417 (916) 574-2993 Office (916) 483-0572 Fax http://www.dir.ca.gov/dirdatabases.html actu@:dir.ca.gov



508111799C 113 115 Alta Environmental Cesar Ruvalcaba 3777 Long Beach Blvd., Annex

August 21, 2012

Dear Certified Asbestos Consultant or Technician:

'CA

90807

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days <u>before</u> the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address, fax number or email; of any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell Senior Safety Engineer

Attachment: Certification Card

cc: File

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

Cesar Ruvalcaba



Name Certification No. 95-1799 Expires on 10/27/13

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

Renewal - Card Attached (Revised 01/03/2012)

Edmund G. Brown, Jr. Governor

June 04, 2012

STATE OF CALIFORNIA

DEPARTMENT OF INDUSTRIAL RELATIONS Division of Occupational Safety and Health Asbestos Unit 2424 Arden Way, Suite 485 Sacramento, CA 95825-2417 (916) 574-2993 Office (916) 483-0572 Fax http://www.dir.ca.gov/dirdatabases.html actu@dir.ca.gov



207010215C

17

Alta Environmental Christine Jordan 3777 Long Beach Blvd., Annex Long Beach 'CA 90807

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days <u>before</u> the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address, fax number or email; of any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Attachment: Certification Card

cc: File

Renewal - Card Attached (Revised 01/03/2012)

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

Christine Jordan

Professions Code.

Certification No._



Sections 7180 et seq. of the Business and

92-0215

