

**EXTERIOR LEAD-BASED
PAINT SURVEY PROJECT RECORD**

**Santa Monica High School
601 Pico Boulevard
Santa Monica California 90405**

Prepared for:

**Santa Monica-Malibu Unified School District
1651 16th Street
Santa Monica, CA 90404**

Prepared by:

**CTL Environmental Services
24404 South Vermont Avenue, Suite 307
Harbor City, California 90710
(310) 530-5006**

January 10, 2007
CTL Project No. 106-0531

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EXECUTIVE SUMMARY



CTL Environmental Services

24404 South Vermont Avenue, Suite 307 • Harbor City, CA 90710 • TEL: (310) 530-5006 • FAX: (310) 530-0792

REPORTED: January 10, 2007

CTL JOB NO.: 106-0531

CLIENT: Santa Monica-Malibu Unified School District
1651 16th Street
Santa Monica, CA 90404

ATTENTION: Mr. Wally Berriman

RE: **Exterior Lead-based Paint Survey**
Santa Monica High School
601 Pico Boulevard
Santa Monica California 90405

INVESTIGATION

On December 27, 2006, CTL Environmental Services (CTL) conducted an inspection for the presence of lead based paint (LBP) from the buildings exteriors at the subject property.

Santa Monica-Malibu Unified School District, located at 1651 16th Street, Santa Monica, California, retained CTL for this investigation. The sampling was conducted by Victor Sanchez a DHS Accredited Lead Inspector/ Assessor, employed by CTL.

METHODOLOGY

Various painted surfaces of the building were tested for lead using a portable x-ray fluorescence (XRF) spectrum analyzer. The XRF used was the LPA-1, manufactured by Radiation Monitoring Devices (RMD) of Watertown, Massachusetts. XRF readings were taken by using the device "Quick" mode option. No time setting is required with this option since the device automatically adjusts its reading time to the different paint substrates for precision. The duration of each test result was determined by the substrate density in combination with the age of the radioactive source of the device and the actual reading relative to the "abatement" level (threshold) chosen. The testing combination includes a unique combination of room equivalent, building component type, and substrate.

An XRF Performance Characteristic Sheet (PCS) developed jointly by HUD and the Environmental Protection Agency (EPA) for the RMD LPA-1 was used. The PCS provides information necessary to conduct an inspection of LBP using specific XRF. Based on the PCS, no inconclusive readings in the "Quick" mode were encountered for LBP on brick, concrete, drywall, plaster, metal or wood substrates.

Field calibration checks were performed prior, during, and after each XRF lead inspection to determine that the device is functioning within acceptable limits (tolerance) determined by the manufacturer. Three readings of a red 1.02 mg/cm² Standard Reference Material (SRM) paint film, developed by the National Institute of Standard and Technology (NIST) were taken in the "30-Second Standard" mode option during each calibration check. Each set of readings were averaged and compared to the PCS calibration check limit for the device. Please refer to the attached Appendix C, Field Notes, for the documentation of the quality control calibration checks.

Paint chips were also collected to determine the weight percent concentration of lead in the painted surfaces that were found to be below the EPA, HUD or L.A. County levels analyzed by XRF for construction safety proposed as defined by *Title 8 CCR Section 1532.1*.

Samples of bulk paint chips were collected using a stainless steel scalpel using care to separate the paint chip from the substrate. Samples were placed in sealable sample containers and assigned a unique sample identification number. Various painted surfaces were tested for lead by paint chip sampling. Samples were collected from an approximate minimum area of one-square inch from the affected testing combinations for results to be reported as lead by weight (mg/kg or ppm) only.

Paint chip samples were analyzed at AmeriSci Los Angeles, an ELAP accredited laboratory in Carson, California.

RESULTS

Currently, the State of California, HUD, and the Environmental Protection Agency (EPA) define lead-based paint as paint or other surface coating with lead content equal to or greater than 1.0 mg/cm² of surface area. However, a more stringent level is established by the Los Angeles County Department of Health Services which defines "dangerous level of lead-bearing substances" as paint or other surface coating with lead in excess of 0.7 mg/cm² (*Los Angeles County Code, Title 11, Chapter 11.28, Section 11.28.010 C*).

Based on the location of the subject property in Los Angeles County, the "abatement" level (threshold) setting of 0.7 mg/cm² was chosen for the inspection.

Please refer to Appendix C, XRF Inventory & Field Notes, for a complete listing of locations analyzed. The following results of tested surfaces were found to contain lead equal or greater than 0.7 mg/cm²:

Santa Monica High School

Reading No.	Room Name	Wall	Structure	Material Location	Sample Location	Member	Paint Condition	Substrate	Paint Color	Lead (mg/cm ²)
10	Exterior room 1, technology	C	Downspout	Technology building	Center	N/A	I	Metal	White	2.0
12	Exterior room 2, science	A	Window	Science building, all window casings	Center	Right casing	I	Metal	Blue	0.8
14	Exterior room 2, science	A	Transom	Science building, all	Center	N/A	I	Wood	Gray	0.8
45	Exterior room 5, history	B	Downspout	History building, all	Center	N/A	I	Metal	White	0.8
47	Exterior room 5, history	B	Post	History building, east side, north entrance	Center	N/A	P	Metal	Blue	>9.9
49	Exterior room 5, history	B	Handrail	History, east side, northern most end	Right	N/A	F	Metal	Blue	>9.9
56	Exterior room 6, business	C	Post	Business building, all	Right	N/A	I	Metal	Blue	1.7
72	Exterior room 7, north/south gyms and drake pool	A	Stairs	North gym, Drake pool, south gym building, north side stairwell	Center	Treads	P	Metal	Blue	0.8
78	Exterior room 7, north/south gyms and drake pool	D	Fascia	North gym, Drake pool, south gym building, west side center at storage area (lower roof)	N/A	N/A	P	Wood	Blue	0.8
84	Exterior room 8, nurses/Barnum hall	A	Handrail	Music/Barnum Hall building, north side stairwell	Right	N/A	P	Metal	Blue	0.8

Santa Monica High School

Reading No.	Room Name	Wall	Structure	Material Location	Sample Location	Member	Paint Condition	Substrate	Paint Color	Lead (mg/cm ²)
92	Exterior room 8, nurses/Barnum hall	B	Window	Music/Barnum Hall building, east side	Center	Right casing	I	Metal	Blue	2.1
93	Exterior room 8, nurses/Barnum hall	B	Window	Music/Barnum Hall building, east side	Center	Sash	I	Metal	Blue	2.1
90	Exterior room 8, nurses/Barnum hall	B	Door	Music/Barnum Hall building, east side entrance	Center	Left casing	I	Metal	Blue	3.1
91	Exterior room 8, nurses/Barnum hall	B	Post	All exteriors of building	Center	N/A	F	Metal	Orange	7.6
94	Exterior room 9, administration	A	Downspout	Administration building	Left	N/A	I	Metal	White	0.8
103	Exterior room 9, administration	C	Downspout	Administration building	Left	N/A	I	Metal	White	0.8
113	Exterior room 10, cafeteria	B	Cabinet	Cafeteria building, north and east sides	Right	N/A	F	Wood	Blue	0.8
114	Exterior room 10, cafeteria	B	Cabinet	Cafeteria building, north and east sides	Right	N/A	F	Wood	Blue	1.2

The following are painted surfaces with results equal to or greater than 5,000 ppm of lead as tested by paint chip analysis. These surfaces are subject to regulation by the County of Los Angeles, the Cal-DHS, and the EPA.

Santa Monica High School

Component	Sample No.	Substrate	Paint Color	Material Location	Results (PPM)
Garage door casing	5728	Wood	White	North Gym/Drake Pool/South Gym Building - west side of North Gym	13,000

The following are results of painted surfaces with any detectable levels of lead in paint below 5,000 ppm that were determined by paint chip sampling. When disturbed for construction purposes these surfaces are subjected to Cal-OSHA exposure assessment requirements set forth in *Title 8 CCR, Section 1532.1(d)*. This regulation requires initial employee exposure monitoring to evaluate work exposure during work that disturbs paint with any detectable level of lead. If airborne lead levels are above the established Cal-OSHA Action Limit (AL) or Permissible Exposure Limit (PEL), additional monitoring and respiratory protection is required.

Santa Monica High School

Component	Sample No.	Substrate	Paint Color	Material Location	Results (PPM)
Wall	5713	Stucco	White	Buildings: Technology, English, Language, History, Business, North Gym/Drake Pool/South Gym, Music, Administration, Cafeteria	600
Handrail	5714	Metal	Blue	Buildings: Technology, Science west and east sides	300
Downspout	5716	Metal	White	Buildings: Science, English, Language, Business, North Gym/Drake Pool/South Gym, Music, Cafeteria	2,100
Support post	5717	Metal	Blue	Buildings: Administration, Cafeteria - walkways, support posts, support beams; North Gym/Drake Pool/South Gym - west and east sides walkways and support beams	150
Window sash	5718	Metal	Blue	Science Building - window sashes only	350
Vent	5723	Metal	White	Buildings: English, Language, History, North Gym/Drake Pool/South Gym, Administration, Cafeteria	3,200
Window casing	5724	Metal	White	Buildings: History, Business, Administration, Cafeteria - window casings and window sashes	270
Walkway ceiling	5725	Metal	White	Buildings: North Gym/Drake Pool/South Gym, Administration, Cafeteria - walkways	2,300
Window casing	5732	Wood	White	Buildings: Administration, Cafeteria, History, Business - all windows	630

CONCLUSIONS & RECOMMENDATIONS

Abatement is recommended for damaged LBPs, or if the condition of the materials, which are noted as being in good condition, change. Abatement is also recommended for paints impacted by renovation or demolition activities.

According to Federal Regulations and Guidelines, LBP abatement is the permanent (defined as designed to last at least 20 years, or, in case of encapsulation, a 20-year product warranty) elimination of LBP hazards through replacement, enclosure, encapsulation, paint removal, and cleaning to remove lead-contaminated dust.

The chance exists that additional suspect lead-containing materials may be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for lead content prior to any renovation and/or demolition activities that may impact these materials.

Workers trained in proper safety and respiratory techniques should perform renovation activities that may impact the LBP described in this report.

Work activities impacting LBPs pose a potential exposure risk for workers and/or building occupants. All construction work where an employee may be occupationally exposed to lead must comply with Cal-OSHA requirements set forth in 8 CCR 1532.1. This regulation requires initial employee exposure monitoring to evaluate worker exposure during work that disturbs lead-containing materials (lead present in detectable levels).

CTL suggests that engineering controls, respiratory protection and personal protective equipment be employed at the start of a project that may disturb LBP.

Additionally, waste items generated during an abatement or demolition project should be properly sampled and profiled to determine the final disposition of the waste.

An Operations & Maintenance (O&M) program is recommended for the identified LBPs which are in good condition.

Unlike abatement, an O&M program or interim control is a set of measures designed to temporarily reduce human exposure or possible exposure to LBP hazards. Such measures may include specialized cleaning, repairs, maintenance, painting, temporary containment, and management and resident education programs. Visual monitoring conducted by owners, and/or reevaluations by risk assessors are integral elements of an interim control. An initial evaluation of potential LBP hazard by a certified risk assessor is recommended for a successful implementation of the interim controls.

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

If you have any questions, please feel free to contact the undersigned at (310) 530-5006. We appreciate the opportunity to be of service to Santa Monica-Malibu Unified School District.

Respectfully submitted,
CTL Environmental Services

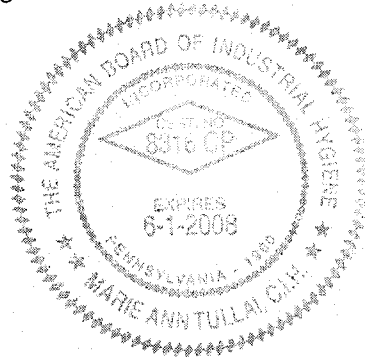
Marie Tullai, CIH
Director, Hazardous Materials Division
Certified Lead Inspector/Assessor
DHS Cert. #I-11088

Reviewed by

Cesar Ruvalcaba, CAC
Project Manager, Hazardous Materials Division
Certified Lead Inspector/Assessor
DHS Cert. #I-6855

MT/lb

Attachments



APPENDIX A
LEAD PAINT CHIPS MATERIAL INVENTORY

**MATERIAL INVENTORY
PAINT CHIP SAMPLES**

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: 106-0531
PROJECT NAME: Santa Monica High School

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)
Wall	5713	Stucco	White	English Building - north center wall	Buildings: Technology, English, Language, History, Business, North Gym/Drake Pool/South Gym, Music, Administration, Cafeteria	600
Handrail	5714	Metal	Blue	Technology Building - west center	Buildings: Technology, Science west and east sides	300
Flashing	5715	Metal	White	North Gym Building - west center	Buildings: Technology, Science, English, Language, History, Business, North Gym/Drake Pool/South Gym, Music, Administration, Cafeteria	<100
Downspout	5716	Metal	White	Language Building - east center	Buildings: Science, English, Language, Business, North Gym/Drake Pool/South Gym, Music, Cafeteria	2,100
Support post	5717	Metal	Blue	Cafeteria Building - northeast	Buildings: Administration, Cafeteria - walkways, support posts, support beams; North Gym/Drake Pool/South Gym - west and east sides walkways and support beams	150
Window sash	5718	Metal	Blue	Science Building - south center window sash	Science Building - window sashes only	350
Wall	5719	Concrete	White	North Gym/Drake Pool - east center	Buildings: Science, North Gym/Drake Pool/South Gym	<100
Door casing	5721	Metal	Blue	Music Building - north center	Buildings: Science, Language, Music - all doors and door casings except main entrances to Language building	<100

**MATERIAL INVENTORY
PAINT CHIP SAMPLES**

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: 106-0531
PROJECT NAME: Santa Monica High School

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)
Door	5722	Metal	Dark blue	History Building - south center	Buildings: English, History, Business, North Gym/Drake Pool/South Gym, Administration, Cafeteria - all doors and door casings except main entrances to Technology and English buildings	<100
Vent	5723	Metal	White	North Gym - northwest north face	Buildings: English, Language, History, North Gym/Drake Pool/South Gym, Administration, Cafeteria	3,200
Window casing	5724	Metal	White	History Building - south center	Buildings: History, Business, Administration, Cafeteria - window casings and window sashes	270
Walkway ceiling	5725	Metal	White	South Gym - northeast entrance	Buildings: North Gym/Drake Pool/South Gym, Administration, Cafeteria - walkways	2,300
Stage floor	5726	Concrete	Dark blue	Stage floor - center	Stage between North and South Gym Building - on east side	<100
Garage door	5727	Metal	Blue	North Gym Building - west center	North Gym/Drake Pool/South Gym Building - west side of North Gym	<100
Garage door casing	5728	Wood	White	North Gym Building - west center	North Gym/Drake Pool/South Gym Building - west side of North Gym	13,000
Piping	5729	Metal	White	Administration Building - north center	Buildings: Technology, Science, Business, History, English, Language, Cafeteria, Administration, Music/Barnum Hall, North Gym/Drake Pool/South Gym	<100

**MATERIAL INVENTORY
PAINT CHIP SAMPLES**

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: 106-0531
PROJECT NAME: Santa Monica High School

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)
Wall	5730	Stucco	Beige	Barnum Hall Building - north center	Barnum Hall Building	<100
Door	5731	Metal	Orange	Barnum Hall Building - north center	Barnum Hall Building - all doors except east side main entrance	<100
Window casing	5732	Wood	White	Administration Building - west center	Buildings: Administration, Cafeteria, History, Business - all windows	630
Wall	5733	Brick	White	Cafeteria Building - northwest	Buildings: Cafeteria, Administration, Music/Barnum Hall	<100

APPENDIX B

FIELD NOTES & LABORATORY RESULTS



AmeriSci Los Angeles

24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

January 3, 2007

CTL Environmental Services
Attn: Cesar R.
24404 S. Vermont Ave.
Suite 307
Harbor City, CA 90710

RE: CTL Environmental Services
Job Number 406121352
P.O. # 30698
106-0531; SMMUSD; Santa Monica High School

Dear Cesar R.:

Enclosed are the results for lead analysis of the following CTL Environmental Services sample(s) received at AmeriSci on December 27, 2006, for a 5 day turnaround:

5713, 5714, 5715, 5716, 5717, 5718, 5719, 5721, 5722, 5723, 5724, 5725, 5726, 5727, 5728, 5729, 5730, 5731, 5732, 5733

The 20 sample(s) contained in Ziplock Bags were shipped to AmeriSci via Hand delivery. The sample(s) were received in Good condition. The sample(s) were prepared and analyzed by modified EPA SW-846 Methods 3050 & 7420 using Flame Atomic Absorption Spectroscopy.

Table I represents a summary of the analysis results. Unless otherwise specified, all quality control data met acceptance criteria.

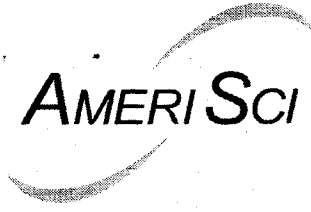
This report relates ONLY to the sample analysis expressed as lead in ppm (mg/kg). AmeriSci assumes no responsibility for customer supplied data such as "sample location" or "area of collection". Complete analytical documentation is archived and available upon written request. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or questions.

Sincerely,



Mary S. David
Client Services Manager



AmeriSci Los Angeles

24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

AmeriSci Job #: 406121352

Date Received: 12/27/06

Date Analyzed: 01/03/07

Lead Analysis Results

Paint

EPA Method 3050/7420

CTL Environmental Services

Harbor City, CA

Job Site: 106-0531; SMMUSD; Santa Monica High School

AmeriSci # 406121352	Client Number	Sample Location	% Lead (w/w)	Lead (mg/kg = ppm)
01	5713	Wall Stucco White	0.060	600
02	5714	Handrail Metal Blue	0.030	300
03	5715	Flashing Metal White	<0.01	<100
04	5716	Downspout Metal White	0.21	2,100
05	5717	Support Post. Metal White	0.015	150
06	5718	Window Sash Metal Blue	0.035	350
07	5719	Wall Concrete White	<0.01	<100
08	5721	Door Casing Metal Blue	<0.01	<100
09	5722	Door Metal Dark Blue	<0.01	<100
10	5723	Vent Metal White	0.32	3,200
11	5724	Window Casing Metal White	0.027	270
12	5725	Ceiling (Walkway) Metal White	0.23	2,300
13	5726	Floor Concrete Dark Blue	<0.01	<100
14	5727	Door (Garage) Metal Blue	<0.01	<100
15	5728	Door Casing Garage Wood White	1.3	13,000
16	5729	Piping Metal White	<0.01	<100
17	5730	Wall Stucco Beige	<0.01	<100
18	5731	Door Metal Orange	<0.01	<100
19	5732	Window Casing Wood White	0.063	630
20	5733	Wall Brick White	<0.01	<100

AmeriSci Reporting Limit is 0.01%, or 100mg/kg.
AmeriSci does not correct sample results by the blank value.
CA ELAP No. 2322. AIHA Lab No. 100530.

Reviewed by:

Analyzed by:

Minh Q. Phung



Asbestos, Lead Analysis Chain of Custody

AMERISCI LOS ANGELES
 24416 S Main St. Suite 308
 Carson, CA 90745
 Phone (310) 834-4868
 Fax (310) 834-4772

AMERISCI JOB #:
40 61 2 1352

COMPANY: <i>CTL</i>	ADDRESS:	P.O.#: <i>30698</i>					
PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME					AIR FILTER
		RUSH	24 HR	48 HR	72 HR	5 DAY	INFORMATION:
JOB NAME: <i>S.M.M. USD</i>	ASBESTOS TEM AHERA						MCE
	ASBESTOS PLM BULK						PC
JOB NUMBER: <i>106-0531</i>	ASBESTOS PCM AIR						25 mm
	ASBESTOS PLM 1000 P.C.						37 mm
JOB MANAGER: <i>Cecilia Rubalcava</i>	LEAD AIR BY FLAA						0.45 um
	LEAD WIPE BY FLAA						0.80 um
JOB DESCRIPTION: <i>Santa Monica High School</i>	LEAD PAINT / SOLID BY FLAA						TEMP:
	OTHER:						OTHER:

INITIAL RESULTS DELIVERY: FAX EMAIL VERBAL MAIL ONLY

REPORTS TO:

INVOICE TO:

COMMENTS:

RETURN SAMPLES YES ___ No ___

PHONE:

FAX:

EMAIL:

PAGER/CELL:

SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME X LITERS / MIN.	TOTAL VOLUME	AREA SQ FT	DATE COLLECTED
5713	wall stucco white						12-27-06
5714	handrail metal blue						
5715	flushing metal white						
5716	Downspout metal white						
5717	support post metal blue						
5718	window sash metal blue						
5719	wall concrete white						
5721	Door casing metal blue						
5722	door metal dark blue						
5723	vent metal white						
5724	window casing metal white						
5725	casing (walkway) metal white						
5726	floor concrete dark blue						
5727	Door (Garage) metal blue						
5728	door casing Garage wood white						
5729	piping metal white						
5730	wall stucco beige						
5731	door metal orange						
5732	window casing wood white						
5733	wall brick white						

SAMPLED BY: <i>Victor Sanchez</i>	DATE/TIME: <i>12-27-06</i>	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>Victor Sanchez</i>	DATE/TIME: <i>12-27-06</i>	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME:	RECEIVED IN LAB BY: <i>[Signature]</i>	DATE/TIME: <i>12/27/06 @ 1:50</i>

CTL ENVIRONMENTAL SERVICES PAINT CHIP SAMPLE LIST

CLIENT: SAMUELSD

PROJECT NO.: 106-0531

PROJECT NAME: Santa Monica High School

Technician: V. Sanchez

DATE: 12/27/06

PAGE: 1 of 3

PHOTO #	COMPONENT	SAMPLE #	SUBSTRATE	PAINT COLOR	SAMPLE LOCATION	MATERIAL LOCATION
	Stucco wall	5713	Stucco	White	English Bldg - North Center Well	Bldgs - Technology, English, Language, History, Business, North Gym/Drake Pool/South Gym Bldg, Music Administration, Cafeteria
	Handrail	5714	Metal	Blue	Technology - West Center	Bldgs - Technology, Science west & EAST sides
	Flooring	5715	Metal	White	North Gym - West Center	Bldgs - Technology, Science, English, Language, History, Business, North Gym/Drake Pool/South Gym Bldg, Music, Administration, Cafeteria AM
	Downspout	5716	Metal	White	Language Bldg - East Center	Bldgs - Technology Science, English, Language, Business, North Gym/Drake Pool/South Pool Bldg, Music cafeteria
	Support Post Support Post	5717	Metal	Blue	Cafeteria - North East	Bldgs. Sci Administration Bldg, Cafeteria west/kennys support posts south gym bldg west & north gym/drake pool/south gym bldg west & east & east side well kennys support beams
	Window Sash Window Sash	5718	Metal	Blue	Science Bldg - South Center Window Sash	Bldg - Science (window sashes only)

CTL ENVIRONMENTAL SERVICES PAINT CHIP SAMPLE LIST

Technician: V. Sanchez
 DATE: 12/28/06
 PAGE: 2 of 3

AGENT: SM MUSD
 PROJECT NO.: 106-0531
 PROJECT NAME: Santa Monica High School

PHOTO #	COMPONENT	SAMPLE #	SUBSTRATE	PAINT COLOR	SAMPLE LOCATION	MATERIAL LOCATION
	Wall	5719	Concrete	White	North Gym/Drake Pool-East Center	Bldg - Science, North Gym/Drake Pool/South Gym
	Door casing	5721	Metal	Blue	Admin. Bldg - North Center	Bldg - Science, Language, Music, doors & door casings on doors & door casings except main entrances to Language Bldg.
	Door	5722	Metal	Dark Blue	History Bldg - South Center	Bldg - English, History, Business, North Gym/Drake Pool/South Gym, Administration, Cafeteria, showers & door casings & EXCEPT main entrances to technology & English bldgs.
	Vent	5723	Metal	White	North Gym - Drake West Dorthe face	Bldg 5: English, Language, History, North Gym/Drake Pool/South Gym, Administration, cafeteria, admin
	Windows casing	5724	Metal	White	History Bldg - South Center	Bldg - History, Business, Administration, Cafeteria windows casings & windows sashed
	Ceiling Walk way	5725	Metal	White	South Gym - North East Entrance	North Gym/Drake Pool/South Gym Buildings, Administration Bldg, cafeteria bldg. walkways.

CTL ENVIRONMENTAL SERVICES PAINT CHIP SAMPLE LIST

Technician: V. Sanchez
 DATE: 12/27/06
 PAGE: 3 of 3

CLIENT: SMUSD
 PROJECT NO.: 106-0531
 PROJECT NAME: Sanita Monica High School

PHOTO #	COMPONENT	SAMPLE #	SUBSTRATE	PAINT COLOR	SAMPLE LOCATION	MATERIAL LOCATION
	Floor (stage)	5726	Concrete	Dark Blue	Stage - Floor Center	Stage Between North and South GYM Bldg on east side
	Garage Door	5727	Metal	Blue	North GYM - West Center	North GYM/Drake Pool/South GYM Bldg
	Garage Door Casing	5728	wood	White	North GYM - West Center	on west side of North GYM
	Piping	5729	Metal	White	Administration Bldg - North Center	North GYM/Drake Pool/South GYM Bldg on west side of North GYM Bldgs - technology, science, business, history, English, language, cafeteria, Admin, Music/Barnum Hall, North Gym/Drake Pool/South Gym
	Wall	5730	Stucco	Beige	Barnum Hall - North Center	Barnum Hall Bldg
	Door	5731	Metal	Orange	Barnum Hall - North Center	Barnum Hall Bldg - all except east east side main entrance.
	Window Casing	5732	Wood	White	Administration - West Center	Bldgs - Administration, Cafeteria, History Business and windows
	Wall	5733	Stucco	White	Cafeteria - North West	Bldgs - Cafeteria, Admin & Music/Barnum Hall

APPENDIX C
XRF INVENTORY AND FIELD NOTES

Positive XRF Shot List

Santa Monica High School

Reading No.	Room Name	Wall	Structure	Material Location	Sample Location	Member	Paint Condition	Substrate	Paint Color	Lead (mg/cm ²)
10	Exterior room 1, technology	C	Downspout	Technology building	Center	N/A	I	Metal	White	2.0
12	Exterior room 2, science	A	Window	Science building, all window casings	Center	Right casing	I	Metal	Blue	0.8
14	Exterior room 2, science	A	Transom	Science building, all	Center	N/A	I	Wood	Gray	0.8
45	Exterior room 5, history	B	Downspout	History building, all	Center	N/A	I	Metal	White	0.8
47	Exterior room 5, history	B	Post	History building, east side, north entrance	Center	N/A	P	Metal	Blue	>9.9
49	Exterior room 5, history	B	Handrail	History, east side, northern most end	Right	N/A	F	Metal	Blue	>9.9
56	Exterior room 6, business	C	Post	Business building, all	Right	N/A	I	Metal	Blue	1.7
72	Exterior room 7, north/south gyms and drake pool	A	Stairs	North gym, Drake pool, south gym building, north side stairwell	Center	Treads	P	Metal	Blue	0.8
78	Exterior room 7, north/south gyms and drake pool	D	Fascia	North gym, Drake pool, south gym building, west side center at storage area (lower roof)	N/A	N/A	P	Wood	Blue	0.8
84	Exterior room 8, nurses/Barnum hall	A	Handrail	Music/Barnum Hall building, north side stairwell	Right	N/A	P	Metal	Blue	0.8
92	Exterior room 8, nurses/Barnum hall	B	Window	Music/Barnum Hall building, east side	Center	Right casing	I	Metal	Blue	2.1
93	Exterior room 8, nurses/Barnum hall	B	Window	Music/Barnum Hall building, east side	Center	Sash	I	Metal	Blue	2.1
90	Exterior room 8, nurses/Barnum hall	B	Door	Music/Barnum Hall building, east side entrance	Center	Left casing	I	Metal	Blue	3.1

Positive XRF Shot List

Santa Monica High School

Reading No.	Room Name	Wall	Structure	Material Location	Sample Location	Member	Paint Condition	Substrate	Paint Color	Lead (mg/cm ²)
91	Exterior room 8, nurses/Barnum hall	B	Post	All exterior of building	Center	N/A	F	Metal	Orange	7.6
94	Exterior room 9, administration	A	Downspout	Administration building	Left	N/A	I	Metal	White	0.8
103	Exterior room 9, administration	C	Downspout	Administration building	Left	N/A	I	Metal	White	0.8
113	Exterior room 10, cafeteria	B	Cabinet	Cafeteria building, north and east sides	Right	N/A	F	Wood	Blue	0.8
114	Exterior room 10, cafeteria	B	Cabinet	Cafeteria building, north and east sides	Right	N/A	F	Wood	Blue	1.2

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: SMMUSD

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 Conducted by: Victor Sanchez
 Certification number: 10148
 CTL job number: 106-0531
 Santa Monica High School

Read No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Technology									
011	B	Wall	L Ctr		I	Stucco	White	0.3	QM
009	C	Wall	L Ctr		I	Stucco	White	0.2	QM
008	C	Flashing	Lft		I	Metal	White	0.2	QM
010	C	D Spout.	Ctr		I	Metal	White	2.0	QM
004	D	Wall	L Rgt		I	Stucco	White	0.4	QM
006	D	Door	Ctr	Rgt casing	F	Metal	Blue	0.2	QM
005	D	Door	Ctr	U Ctr	F	Metal	Blue	-0.1	QM
007	D	Handrail	Ctr		P	Metal	Blue	0.0	QM
Exterior Room 002 Science									
012	A	Window	Ctr	Rgt casing	I	Metal	Blue	0.8	QM
013	A	Window	Ctr	Sash	I	Metal	Blue	0.3	QM
014	A	Transom	Ctr		I	Wood	Gray	0.8	QM
016	B	Wall	L Ctr		I	Concrete	White	0.1	QM
015	B	Wall	L Rgt		I	Stucco	White	0.1	QM
018	B	Door	Ctr	Rgt casing	I	Metal	Blue	-0.1	QM
019	B	Post	Lft		F	Metal	Blue	-0.1	QM
017	B	Handrail	Ctr		F	Metal	Blue	0.0	QM
020	B	D Spout.	Ctr		I	Metal	White	0.0	QM
021	D	Wall	L Ctr		I	Concrete	White	0.0	QM
Exterior Room 003 English									
022	A	Wall	L Rgt		I	Stucco	White	0.2	QM
023	A	D Spout.	Rgt		I	Metal	White	0.0	QM
025	B	Wall	L Rgt		I	Stucco	White	0.4	QM
029	C	Wall	L Ctr		I	Stucco	White	0.4	QM
030	C	Handrail	Ctr		P	Metal	Blue	0.2	QM
027	D	Door	Ctr	Rgt casing	I	Metal	Blue	-0.2	QM
026	D	Door	Ctr	U Ctr	I	Metal	Blue	0.0	QM
024	D	Flashing	Lft		I	Metal	White	0.0	QM
028	D	Vent	Ctr		I	Metal	White	-0.1	QM
Exterior Room 004 Language									
037	A	Wall	L Lft		I	Stucco	White	0.3	QM
038	A	Column	Rgt		I	Concrete	White	0.2	QM
034	B	Wall	L Ctr		I	Stucco	White	0.1	QM
032	B	Door	Ctr	Rgt casing	F	Metal	Blue	-0.1	QM
031	B	Door	Ctr	U Ctr	F	Metal	Blue	-0.2	QM
033	B	D Spout.	Ctr		I	Metal	White	0.0	QM
035	C	Wall	L Rgt		I	Stucco	White	0.3	QM
036	C	D Spout.	Ctr		I	Metal	White	0.1	QM

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Exterior Room 005 History

050	A	Wall	L Ctr		I	Stucco	White	0.1	QM
044	B	Wall	L Lft		I	Stucco	White	0.3	QM
045	B	D Spout.	Ctr		I	Metal	White	0.8	QM
046	B	Flashing	Ctr		I	Metal	White	0.4	QM
047	B	Post	Ctr		P	Metal	Blue	>9.9	QM
048	B	Vent	Rgt		F	Metal	White	0.0	QM
049	B	Handrail	Rgt		F	Metal	Blue	>9.9	QM
043	C	Wall	L Ctr		I	Stucco	White	0.3	QM
041	C	Window	Ctr	Rgt casing	I	Metal	White	-0.1	QM
042	C	Window	Ctr	Sash	I	Metal	White	-0.1	QM
040	C	Door	Lft	Lft casing	I	Metal	Dk. Blue	-0.1	QM
039	C	Door	Lft	U Lft	I	Metal	Dk. Blue	-0.4	QM

Exterior Room 006 Business

058	A	Wall	L Lft		I	Stucco	White	0.1	QM
053	C	Wall	L Ctr		I	Stucco	White	0.3	QM
057	C	Wall	L Ctr		I	Stucco	White	0.3	QM
051	C	Window	Ctr	Rgt casing	F	Metal	White	0.2	QM
052	C	Window	Ctr	Sash	F	Metal	White	0.0	QM
055	C	Door	Ctr	Rgt casing	I	Metal	Dk. Blue	-0.1	QM
054	C	Door	Ctr	U Ctr	I	Metal	Dk. Blue	-0.1	QM
056	C	Post	Rgt		I	Metal	Blue	1.7	QM
059	D	Flashing	Ctr		I	Metal	White	-0.2	QM

Exterior Room 007 North/South Gyms and Drake Pool

073	A	Wall	L Ctr		I	Stucco	White	-0.1	QM
072	A	Stairs	Ctr	Treads	P	Metal	Blue	0.8	QM
068	A	Flashing	Lft		I	Metal	White	-0.1	QM
074	A	Vent	Rgt		F	Metal	White	-0.1	QM
063	B	Wall	L Lft		F	Concrete	White	0.2	QM
064	B	Wall	L Lft		F	Concrete	Yellow	0.2	QM
062	B	Wall	L Ctr		I	Metal	White	0.1	QM
071	B	Wall	L Ctr		P	Concrete	Dk. Blue	0.3	QM
061	B	Door	Ctr	Rgt casing	I	Metal	Dk. Blue	0.0	QM
060	B	Door	Ctr	U Ctr	I	Metal	Dk. Blue	0.0	QM
065	B	Ceiling	Lft		P	Metal	White	0.2	QM
066	B	Ceiling	Lft		P	Metal	White	0.2	QM
067	B	Beam	Lft		I	Metal	Blue	-0.2	QM
069	B	D Spout.	Lft		I	Metal	White	0.0	QM
070	B	Floor	Ctr		P	Concrete	Dk. Blue	0.3	QM
077	D	Fascia			P	Wood	Blue	0.6	QM
078	D	Fascia			P	Wood	Blue	0.8	QM
076	D	Door	Lft	Lft casing	P	Wood	White	-0.3	QM
075	D	Door	Lft	U Lft	P	Metal	Blue	0.0	QM
079	D	Pipe	Lft		I	Metal	White	0.3	QM

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Exterior Room 008 Nurse's/Barnum Hall

086	A	Wall	L Lft	I	Stucco	Beige	0.3	QM
087	A	Wall	L Lft	I	Brick	Beige	0.3	QM
081	A	Wall	L Rgt	I	Stucco	White	0.4	QM
085	A	Wall	L Rgt	I	Brick	White	0.4	QM
089	A	Door	Lft Lft casing	I	Metal	Dk. Blue	-0.1	QM
088	A	Door	Lft U Lft	I	Metal	Orange	0.0	QM
083	A	Door	Rgt Rgt casing	F	Metal	Blue	-0.1	QM
082	A	Door	Rgt U Rgt	F	Metal	Blue	-0.3	QM
084	A	Handrail	Rgt	P	Metal	Blue	0.8	QM
092	B	Window	Ctr Rgt casing	I	Metal	Blue	2.1	QM
093	B	Window	Ctr Sash	I	Metal	Blue	2.1	QM
090	B	Door	Ctr Lft casing	I	Metal	Blue	3.1	QM
091	B	Post	Ctr	F	Metal	Orange	7.6	QM
080	D	Wall	L Lft	I	Stucco	White	0.4	QM

Exterior Room 009 Admin

097	A	Wall	L Lft	I	Stucco	White	0.0	QM
096	A	Door	Lft Lft casing	I	Metal	Dk. Blue	-0.1	QM
095	A	Door	Lft U Lft	I	Metal	Dk. Blue	-0.1	QM
094	A	D Spout.	Lft	I	Metal	White	0.8	QM
098	A	Pipe	Rgt	I	Metal	White	0.0	QM
102	C	Post	Lft	I	Metal	Blue	0.1	QM
103	C	D Spout.	Lft	I	Metal	White	0.8	QM
100	D	Window	Lft Sash	I	Metal	White	-0.1	QM
099	D	Window	Lft Lft casing	F	Wood	White	0.0	QM
101	C	Ceiling	Ctr	I	Metal	White	0.0	QM

Exterior Room 010 Cafeteria

107	A	Wall	L Rgt	I	Brick	White	0.3	QM
113	B	Cabinet	Rgt	F	Wood	Blue	0.8	QM
114	B	Cabinet	Rgt	F	Wood	Blue	1.2	QM
108	D	Wall	L Lft	I	Stucco	White	0.1	QM
105	D	Window	Lft Sash	I	Metal	White	0.0	QM
104	D	Window	Lft Lft casing	I	Wood	White	0.1	QM
106	D	Window	Lft Lft casing	I	Metal	White	0.2	QM
110	D	Door	Ctr Rgt casing	I	Metal	Dk. Blue	-0.1	QM
109	D	Door	Ctr U Ctr	I	Metal	Dk. Blue	0.0	QM
111	D	Flashing	Ctr	I	Metal	White	0.0	QM
112	D	Post	Ctr	I	Metal	Blue	0.0	QM

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Santa Monica High School

Calibration Readings

001	1.0	TC
002	0.9	TC
003	1.0	TC
115	1.0	TC
116	0.9	TC
117	0.9	TC

---- End of Readings ----

Calibration Check Test Results

Address/Unit No. Santa Monica H.S.

Device 1184 RMD

Date 12-27-06

XRF Serial No. 1184

Contractor CTL

Inspector Name Victor Sanchez

Signature 

NIST SRM Used 1.04 mg/cm²

Calibration Check Tolerance Used ±.3 mg/cm²

First Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading	0.96	0.08
1.0	0.9	1.0		

Second Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading	0.93	0.11
1.0	0.9	0.9		

Third Calibration Check (if required)

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		

Fourth Calibration Check (not required)

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		

* if the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

LEAD HAZARD EVALUATION REPORT

Section 1—Date of Lead Hazard Evaluation 12-27-06

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)] <u>601 Pico Blv.</u>	City <u>Santa Monica</u>	County <u>LA</u>	ZIP code <u>90405</u>
Construction date (year) of structure	Type of structure (check one box only)		
	<input type="checkbox"/> Single family dwelling <input type="checkbox"/> Multi-unit building <input type="checkbox"/> Child-occupied facility <input checked="" type="checkbox"/> Other (specify) <u>Santa Monica H.S. School.</u>		

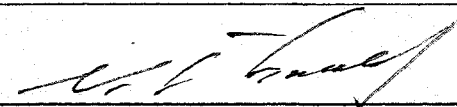
Section 4—Owner of Structure (If business/agency, list contact person)

Name <u>Santa Monica - Malibu. USD.</u>	Telephone number <u>WALLY Berryman</u> <u>(310) 450 8338</u>		
Address [number, street, apartment (if applicable)] <u>1651 16th St.</u>	City <u>Santa Monica</u>	State <u>CA.</u>	ZIP code <u>90404</u>

Section 5—Results of Lead Hazard Evaluation (Check one box only)

- No lead-based paint detected.**
A lead inspection was conducted following the procedures outlined in Title 17, California Code of Regulations, Division 1 Chapter 8. No lead-based paint was detected during this lead inspection. This structure is found to be lead-based paint free.
- No lead hazards detected.**
Lead hazard evaluation was conducted following the procedures outlined in Title 17, California Code of Regulations Division 1, Chapter 8. No lead hazards were detected.
- Lead-based paint and/or lead hazards detected.**
Lead hazard evaluation was conducted following the procedures outlined in Title 17, California Code of Regulations Division 1, Chapter 8. Lead-based paint and/or lead hazards were detected.

Section 6—Individual Conducting Lead Hazard Evaluation

Name <u>Victor Sanchez</u>	Telephone number <u>(310) 530-5006</u>		
Address [number, street, apartment (if applicable)] <u>24404 So. Vermont Ave #307</u>	City <u>Harbor City</u>	State <u>CA.</u>	ZIP code <u>90710</u>
Brand name and serial number of any portable x-ray fluorescence (XRF) instrument used (if applicable) <u>RMD LPA 1184</u>			
DHS certification number <u>10-148</u>	Signature 		Date <u>12-27-06</u>

Section 7—Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence 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 to:
 Department of Health Services
 Childhood Lead Poisoning Prevention Branch
 Reports
 1515 Clay Street, No. 1801
 Oakland, CA 94612
 FAX (510) 622-5002

APPENDIX D
SAMPLE LOCATION MAP

Regular Bell Schedules

Monday, Tuesday, Thursday, Friday	
Period A	7:12 – 8:08 (56 min)
1	8:15 – 9:11 (56 min)
Homeroom	9:18 – 9:28 (10 min)
2	9:28 – 10:24 (56 min)
Break	10:24 – 10:29 (5 min)
3	10:36 – 11:32 (56 min)
4	11:39 – 12:35 (56 min)
Lunch	12:35 – 1:10 (35 min)
5	1:17 – 2:13 (56 min)
6	2:20 – 3:16 (56 min)

Late Start Wednesday Schedule

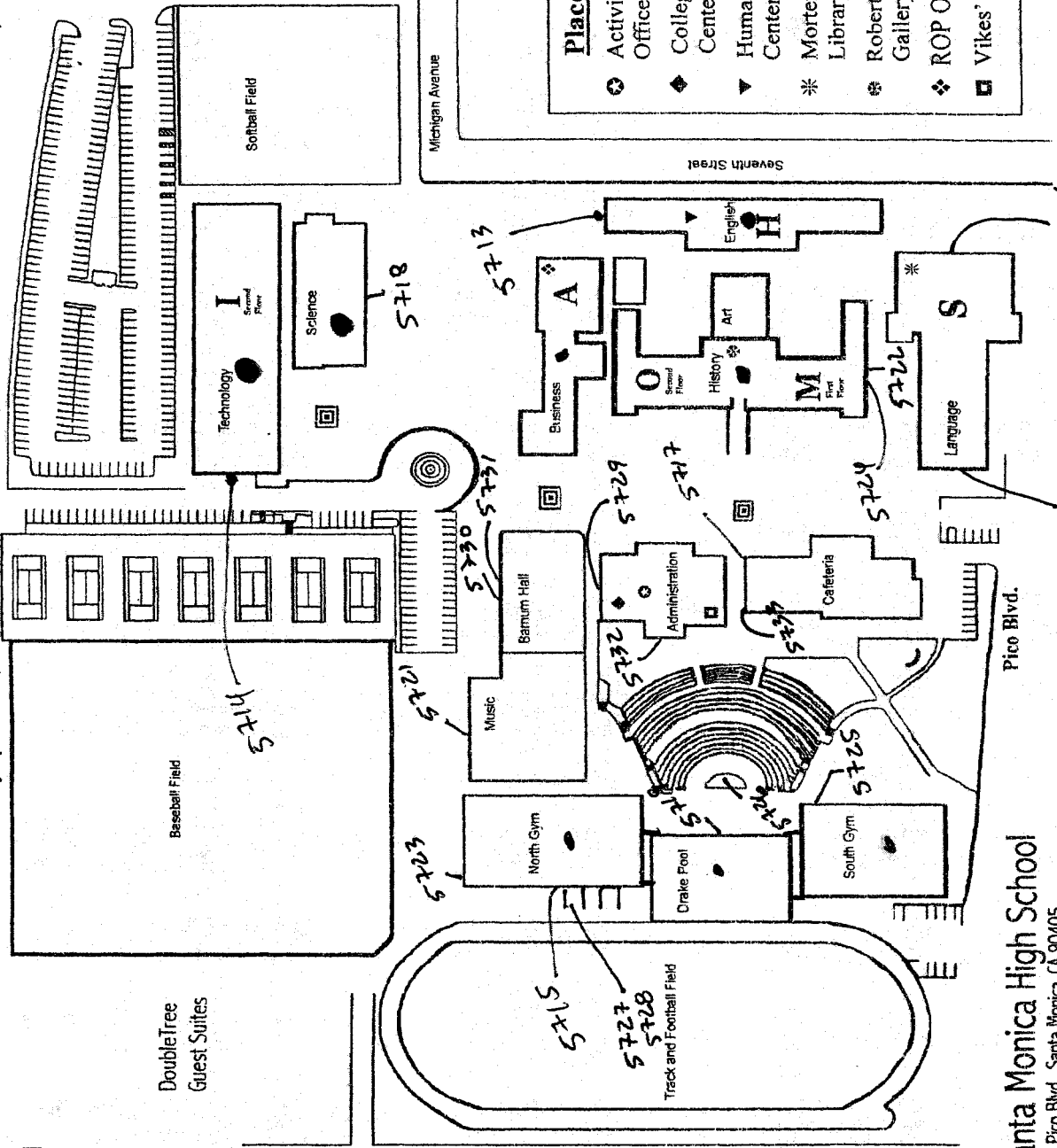
Late Start Wednesday Schedule	
Period A	8:45 – 9:30 (45 min)
1	9:36 – 10:21 (45 min)
2	10:28 – 11:13 (45 min)
3	11:20 – 12:05 (45 min)
Lunch	12:05 – 12:40 (35 min)
4	12:47 – 1:32 (45 min)
5	1:39 – 2:24 (45 min)
6	2:31 – 3:16 (45 min)

The Houses of Samohi

- S Language Building
Principal L200
- A Business Building
Principal B101
- M History Bldg. 1st Floor
Principal H106
- O History Bldg. 2nd Floor
Principal H209
- H English Building
Principal E109
- I Tech Building
Principal T211



Olympic Blvd. (East)



- Places**
- Activities Office
 - ◆ College Center
 - ▼ Humanities Center
 - * Mortensen Library
 - ⊕ Roberts Art Gallery
 - ❖ ROP Office
 - Vikes' Inn

Santa Monica High School
501 Pico Blvd., Santa Monica, CA 90405
(310) 395-3204

SMHUSD
106-0531
N. Samohi
12-27-06

Lead sampling Locations

APPENDIX E
CTL EMPLOYEE CERTIFICATIONS

State of California Department of Health Services

Lead-Related
Construction
Certificate

Certificate Expiration
Type Date

Inspector/Assessor	11/09/2006
Supervisor	11/09/2006
Project Monitor	11/09/2006



Victor M. Sanchez ID #: **10148**