



# ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7 Rocklin, CA 95677

Telephone (916) 632-6800

Fax (916) 632-6812

August 21, 2006

Mr. Michael Weissenborn  
Project Manager, Facilities Development  
Chico Unified School District  
2455 Carmichael Drive  
Chico, California 95928

Re: Final Close-Out Documentation for the Asbestos Abatement Project in Buildings A and C at Bidwell Junior High School

Dear Mr. Weissenborn:

This letter reports the completion of the asbestos related work performed at Bidwell Junior High School by LVI Environmental Services, Inc. With this report Entek Consulting Group, Inc. (Entek) has completed all of our responsibilities under the present contract. Asbestos related work included the removal of wallboard, joint compound, floor tile and associated floor mastic from Buildings A and C.

Area air samples were collected by Entek to monitor the work practices and engineering controls of the abatement contractor. The analytical results of these samples indicated the work practices and engineering controls utilized by the contractor were effective in controlling emissions during the removal work. All area samples were analyzed utilizing Phase Contrast Microscopy (PCM) in accordance with the NIOSH 7400 method. A copy of the laboratory analysis reports are included in Section V of the project documents.

Upon completion of removal of asbestos-containing materials by the abatement contractor and prior to conducting clearance air monitoring of the containments, Entek conducted thorough visual inspections of the work areas. Entek verified that the contractor had completed the removal of the designated materials, and had cleaned the containment areas of existing dust, debris, materials, and waste. When Entek accepted the containments the abatement contractor was allowed to encapsulate all surfaces within each containment.

Clearance air monitoring was conducted in the work areas in accordance with the US Environmental Protection Agency (US EPA) Asbestos Hazard Emergency Response Act (AHERA) criteria, and in accordance with 40 CFR Part 763, Appendix A, to assess post abatement airborne asbestos concentrations. No asbestos structures were detected on the two sets of clearance air samples collected in the work areas of Buildings A and C. Analysis of the clearance air samples was performed utilizing Transmission Electron Microscopy (TEM) by Asbestech of Carmichael, California, a laboratory that participates in the National Voluntary Laboratory Accreditation Program (NVLAP). A copy of laboratory analysis reports are included in Section V of the project documents.

Entek is including documentation provided by the contractor with this report as part of the final close-out documentation, as required by the project specifications. These documents submitted to Entek include copies of worker training certificates, medical exams, respirator fit tests, air sampling data, safety meetings, sign-in sheets, etc. Entek cannot attest to the accuracy or validity of the documents provided by the contractor, since these were prepared by the contractor, not Entek. It is the responsibility of the contractor to comply with the various regulations and provide valid, true, and accurate documents as they pertain to this project.



Mr. Michael Weissenborn  
Chico USD  
August 18, 2006  
Page Two

In order to meet AHERA requirements, the enclosed documentation must be kept on file as part of the District's US EPA AHERA Management Plan. A copy of this report must be retained in the District Office and the appropriate school office. Be sure to update the list of asbestos-containing building materials in the Management Plan. Indicate on the "Homogeneous Material Records" (HMR) the abatement action taken. Also, be sure to note in the District's annual notifications to parents and employees that abatement work was completed at this site. It is possible other materials exist in Buildings A and C which may be impacted in the future. Any additional materials not mentioned in this report which may be encountered during a renovation process should be tested prior to impact by a non-abatement contractor.

It has been our pleasure working with you on this investigation. If you desire any further services or have questions please call at (916) 632-6800.

Sincerely,

A handwritten signature in black ink, appearing to read "W. Esparza", with a long horizontal flourish extending to the right.

William W. Esparza  
Project Manager  
Certified Asbestos Consultant  
DOSH #99-2579

Enclosures

**SECTION 25 ASBESTOS RESULTS LIST**

Any material not specified on the following list which the Contractor encounters at this school site must be considered as "suspect" and "assumed" to contain asbestos per US EPA. The only items excluded from this statement are; bare wood, glass, and metal.

**Building A Classrooms 108, 109, 208, 209 and Small Offices**

<u>Materials Found or Assumed to Contain Asbestos</u>	<u>% Asbestos &amp; Type</u>	<u>NESHAP Classification</u>
Base Cove Mastic	< 1-5% Chrysotile	Category I
9" Vinyl Floor Tiles (VFT)	1-5% Chrysotile	Category I
Black Mastic Associated with 9" VFT	1-5% Chrysotile	Category I
12" Vinyl Floor Tiles in Room 208	1-2% Chrysotile	Category I
Black Mastic Associated with 12" VFT	1-5% Chrysotile	Category I
Drywall and Joint Compound	1-2% Chrysotile	Not Classified
Drywall and Joint Compound (400 Point Count)	< 1% Chrysotile	Not Classified
Chalkboards (Green)	Assumed Positive	Category II
Fire Rated Doors	Assumed Positive	RACM

Materials Found Not to Contain Asbestos

- 2 x 4 Drop-in Acoustical Ceiling Panel
- 12" Acoustical Ceiling Tile
- Exterior Stucco

**Building C Classrooms 206 and 207**

<u>Materials Found or Assume to Contain Asbestos</u>	<u>% Asbestos</u>	<u>NESHAP Classification</u>
Base Cove Mastic	<1% Tremolite	Category I
Black Sinks Associated with All Science Tables	5-10% Chrysotile	Category II
9" Vinyl Floor Tiles (VFT)	2-7% Chrysotile	Category I
Black Mastic Associated with 9" VFT	1-5% Chrysotile	Category I
Drywall Joint Compound at Wall Addition in Room 207	1-2% Chrysotile	Not Classified
Chalkboards (Green)	Assumed Positive	Category II

Materials Found Not to Contain Asbestos

- 12" Acoustical Ceiling Tile
- Exterior Stucco
- Plaster Wall Material

Note 1.: **Category I Non-friable ACM** is asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent asbestos by area.

Note 2.: **Category II Non-friable ACM** is any material, excluding Category I non-friable ACM, containing more than one percent asbestos, which is non-friable such as transite and other concrete based products.

Note 3.: **Regulated Asbestos-Containing Material (RACM)** is any friable material, any Category I

non-friable ACM which has become friable, any Category I non-friable ACM which will be or has been subjected to sanding, grinding, cutting, or abrading, any Class II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to a powder by the forces expected to act on the material in the course of demolition or renovation operations.

Note 4.: The terms "assume" and "presume" mean the named material is considered positive for containing asbestos and must be treated accordingly, until properly sampled in compliance with 40 CFR, Part 763 Asbestos-Containing Materials in Schools; Final Rule and Notice.

**SECTION 26 SITE MAP**

See attached full size architectural drawings A2.1 and A2.2 and 8½ x 11 size for field use. Note the legend reprinted on 8½ x 11 includes line items removed from the role of the asbestos contractor to assist in the bid preparation.

**CAREY CONSTRUCTION**  
**2541 S. FIFTH AVE. SUITE A**  
**OROVILLE, CA. 95965**

**CHARLES CAREY**  
**LICENSE#388073**

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**PHONE (530) 534-1768**  
**FAX (530) 534-8644**

*JULY 31, 2006*

**CHICO UNIFIED SCHOOL DISTRICT**  
**2455 CARMICHAEL DRIVE**  
**CHICO, CA. 95965**

**PROJECT: BIDWELL J.H. MODERNIZATION**  
**NUMBER: 99-2845.3**

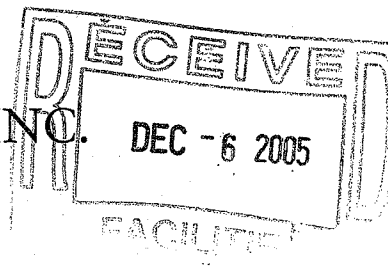
*I CERTIFY TO THE BEST OF MY KNOWLEDGE, ALL MATERIALS, PRODUCTS  
AND SUBSTANCES SUPPLIED AS SPECIFIED OR SUPPLIED AS FAVORABLY  
REVIEWED EQUALS OR SUBSTITUTIONS ARE CONSIDERED AS BEING  
ASBETOS FREE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL  
AUTHORITIES AND REGULATORY AGENCIES.*

*SIGNED,*

  
**CHARLES CAREY, OWNER**

*HMS, Inc.*  
HAZARD MANAGEMENT SERVICES, INC.

4200 Rocklin Rd., Ste. 7  
Rocklin, CA 95677-2860  
(916) 632-6800 • (916) 632-6841 Fax



December 5, 2005

Mr. Michael Weissenborn, Project Manager  
Facilities Department  
Chico Unified School District  
1163 East 4th Street  
Chico, CA 95928

Re: Bidwell Jr. High School Buildings A and C; Report of Asbestos Inspection Report for Modernization Project

Dear Mr. Weissenborn:

This report presents results of asbestos inspection of Building A (Classrooms 108, 109, 208, 209, and other offices) and Building C (Classrooms 206 and 207) located at Bidwell Jr. High School by Hazard Management Services, Inc. (HMS, Inc.). The onsite work was completed between November 14 and 30, 2005, which included a review of the existing US EPA AHERA report, and a review of all building materials in the rooms that will be impacted by the planned renovation project. The inspection was very limited in scope and included only those areas within the two buildings indicated on the drawings that will be affected by the project. The inspection was conducted to comply with U.S. EPA NESHAP requirements for a pre-renovation asbestos survey.

**Inspection Protocols**

HMS, Inc. personnel utilized the following inspection protocols.

Asbestos

1. The interior and exterior of the two buildings were visually inspected for suspect asbestos containing building materials related to the project. Excluded from the survey were roofing samples, since you indicated the roofing systems from the two buildings had been replaced within the past 3-4 years and no major work is planned which would impact the roofing materials.
2. Representative bulk samples of each suspect material were collected using a hand tool to obtain bulk samples and then placed into sealed plastic bags. The sample locations are indicated on the sample submission chain-of-custody report, as well as, on the attached schematic.
3. HMS, Inc. did not sample specific non-suspect materials such as glass, foam, wood, metal, rubber, plastic, and concrete.

There were 26 bulk samples collected for asbestos evaluation on this investigation. The bulk samples were delivered to Asbestech laboratory of Carmichael, CA. Asbestech is approved to analyze asbestos under the National Voluntary Laboratory Accreditation Program (NVLAP). The samples were analyzed using the Polarized Light Microscopy (PLM) method. One of the drywall samples found to contain asbestos in the joint compound was subsequently analyzed by the 400 point array method for waste characterization.

Mr. Michael Weissenborn  
Chico Unified School District  
December 5, 2005  
Page Two

**Inspection Results**

Asbestos

26 bulk samples were collected of materials inside of the two buildings which are considered suspect to possibly contain asbestos by the U.S. EPA. Asbestos was detected in 14 of the 26 samples collected in these areas. The following is a summary of materials found to contain asbestos by bulk sampling or by assuming them to contain asbestos in each Building.

**Building A Classrooms 108, 109, 208, 209 and Small Offices**

<u>Materials Found or Assumed to Contain Asbestos</u>	<u>% Asbestos &amp; Type</u>	<u>NESHAP Classification</u>
Basecove Mastic	< 1-5% Chrysotile	Category I
9" Vinyl Floor Tiles (VFT)	1-5% Chrysotile	Category I
Black Mastic Associated with 9" VFT	1-5% Chrysotile	Category I
12" Vinyl Floor Tiles in Room 208	1-2% Chrysotile	Category I
Black Mastic Associated with 12" VFT	1-5% Chrysotile	Category I
Drywall and Joint Compound	1-2% Chrysotile	Not Classified
Drywall and Joint Compound (Point Count)	< 1% Chrysotile	Not Classified
Chalkboards (Green)	Assumed Positive	Category II
Fire Rated Doors	Assumed Positive	RACM

Materials Found Not to Contain Asbestos

2 x 4 Drop-in Acoustical Ceiling Panel  
12" Acoustical Ceiling Tile  
Exterior Stucco

**Building C Classrooms 206 and 207**

<u>Materials Found or Assume to Contain Asbestos</u>	<u>% Asbestos</u>	<u>NESHAP Classification</u>
Basecove Mastic	<1% Tremolite	Category I
Black Sinks Associated with All Science Tables	5-10% Chrysotile	Category II
9" Vinyl Floor Tiles (VFT)	2-7% Chrysotile	Category I
Black Mastic Associated with 9" VFT	1-5% Chrysotile	Category I
Drywall Joint Compound at Wall Addition in Room 207	1-2% Chrysotile	Not Classified
Chalkboards (Green)	Assumed Positive	Category II

Materials Found Not to Contain Asbestos

12" Acoustical Ceiling Tile  
Exterior Stucco  
Plaster Wall Material

Mr. Michael Weissenborn  
Chico Unified School District  
December 5, 2005  
Page Three

**Recommendations**

Asbestos

Asbestos was detected in many materials in the two buildings that will be involved in the renovation project. The results of these tests will be included in the asbestos specifications that I will be preparing for the project.

I reviewed the various classrooms and other spaces in the two buildings and find the drywall walls in Building A to be the most challenging for the asbestos abatement phase of the work. The drywall separating the classrooms (108, 109, 208, 209, and other offices) are partially or completely covered with wood paneling and the walls are relatively high. In addition, there are many items attached to the wood paneling or drywall walls that will require addressing by the specifications.

The key items attached to the wall systems include:

TV's, Speakers, Fire Alarms, Intrusion Alarms, Gas Line in Room 108, Clocks, Electrical Conduit, Supply Registers, Touch Pad Alarms, Main Electrical Service Panels, HVAC Ducts, Fire Extinguishers, Flag Mounts

Of particular note is in Classroom 208 at the south wall east of the entry door, there are main computer lines coming into the classroom at this location. According to the drawings, this area of the wall will be removed for a new door.

Be sure to include a copy of this report in the EPA AHERA report file for Bidwell Jr. High School. Our three year re-inspection reports will also make noted changes to the inspections files with bulk sample results reflected in the next inspection.

Disclaimers

The nature of the renovation or demolition work is such that materials can be uncovered which previously were unknown to exist. Therefore, HMS, Inc. cannot be responsible for "hidden materials". If suspect materials, other than those included in this investigation are discovered during the renovation/demolition, it must be assumed that the materials contain asbestos. The project should then be halted and re-evaluated.

Please call (916) 632-6800 if you have any questions.

Sincerely,



Richard Beall, CIH, CSP  
Cal/OSHA Asbestos Certification #92-0032

Enclosures



**BULK MATERIAL Analysis Report Form for Hazard Management Services, Inc.**

4200 Rocklin Road, Suite 7  
 Rocklin, CA 95677  
 (916) 632-6800  
 FAX (916) 632-6841

JOB I.D.: R1823      CLIENT: Chico USD      COLLECTED BY: Rick Beall  
 DATE COLLECTED: 11/14/05      DATE SUBMITTED: 11/15/05      LAB SUBMITTED TO: Asbestech

**SPECIAL INSTRUCTIONS:**

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining      TURNAROUND TIME: Hours

JOB SITE: Bidwell Junior High School  
 2376 North Avenue  
 Chico, CA 95926

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-R1823-01A	NONE DETECTED	2 X 4 Drop in Ceiling Tile - North Area of Classroom 108, Building A
HMS-R1823-02A	NONE DETECTED	12" Acoustical Ceiling Tile, Mezzanine Ceiling in Classroom 109, Building A
HMS-R1823-03A	1-5% CHRYSOTILE	Basecove Mastic - Light Brown Colored, Lower East Wall, Classroom 109, Building A
HMS-R1823-03B	<1% CHRYSOTILE	Basecove Mastic - Dark Brown Colored, West Wall Room 208, Building A
HMS-R1823-04A	NONE DETECTED	Exterior Stucco, East Wall of Building by Door to Classroom 109, Building A
HMS-R1823-04B	NONE DETECTED	Exterior Stucco, North Side of Building by Door to Classroom 109, Building A
HMS-R1823-04C	NONE DETECTED	Exterior Stucco, West Wall of Building by Door to Classroom 208, Building A
HMS-R1823-05A	5-10% CHRYSOTILE	Black Sink from Classroom 207, Building C
HMS-R1823-06A	1-2% CHRYSOTILE	White Joint Compound at Lower of Small Wall Column in Classroom 207, Building C at South East Area of Room
HMS-R1823-06B	NONE DETECTED	Tan Wall Plaster Where new Door is Located, South Wall of Classroom 207, Building C
HMS-R1823-06C	NONE DETECTED	Tan Wall Plaster, West Wall by Door in Storage Room Between Classrooms 206 & 207, Building C
HMS-R1823-06D	NONE DETECTED	Wall Plaster Lower East Wall in Classroom 206, Building C
HMS-R1823-07A	2-7% CHRYSOTILE (In VFT) 1-5% CHRYSOTILE (In Mastic)	9" VFT and Black Mastic East Side Under Table Extension, Classroom 207, Building C

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**SPECIAL INSTRUCTIONS:**

**ANALYSIS REQUESTED:** Asbestos by PLM with Dispersion Staining      **TURNAROUND TIME:** Hours

**JOB SITE:** Bidwell Junior High School  
2376 North Avenue  
Chico, CA 95926

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-R1823-08A	1-5% CHRYSOTILE (In VFT) 1-5% CHRYSOTILE (In Mastic)	9" VFT and Black Mastic in Room Between Classrooms 108 & 208 at Doorway to Classroom 109, Building A
HMS-R1823-09A	1-2% CHRYSOTILE (In VFT) 1-5% CHRYSOTILE (In Mastic)	12" VFT (Light Brown with Brown Streaks) & Black Mastic at West Side by Door Classroom 208, Building A
HMS-R1823-10A	<1% FIBROUS TREMOLITE	Brown Basecove Mastic, South East Side at Base of Wood Cabinet of Table Extension Classroom 206, Building C
HMS-R1823-11A	<1% FIBROUS TREMOLITE	Brown Basecove Mastic, West Side at Extension Wooden Table Base, Classroom 207, Building C
HMS-R1823-12A	NONE DETECTED	Exterior Stucco Below Register Grill at South Wall Classroom 207, Building C
HMS-R1823-12B	NONE DETECTED	Exterior Stucco Below Register Grill at South Wall Classroom 206, Building C
HMS-R1823-13A	NONE DETECTED	12" ACT, South Side of Classroom Near Door, Classroom 207, Building C
HMS-R1823-14A	1-2% CHRYSOTILE	Drywall Joint Compound at Metal Corner of Wall at Mezzanine by Ladder in Classroom 108, Building A
HMS-R1823-15A	NONE DETECTED (In Drywall) 1-2% CHRYSOTILE (Joint Compound) <1% CHRYSOTILE (Composite)	Drywall and Joint Compound North East Corner of Wall in Room 112 (Finish Room) in Building A

**BULK MATERIAL Analysis Report Form for Hazard Management Services, Inc.**

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Rocklin, CA 95677  
(916) 632-6800  
FAX (916) 632-6841

**JOB I.D.:** R1823      **CLIENT:** Chico USD      **COLLECTED BY:** Rick Beall  
**DATE COLLECTED:** 11/14/05      **DATE SUBMITTED:** 11/15/05      **LAB SUBMITTED TO:** Asbestech  
**SPECIAL INSTRUCTIONS:**  
**ANALYSIS REQUESTED:** Asbestos by PLM with Dispersion Staining      **TURNAROUND TIME:** Hours

**JOB SITE:** Bidwell Junior High School  
2376 North Avenue  
Chico, CA 95926

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-R1823-15B	NONE DETECTED (In Drywall) 1-2% CHRYSOTILE (Joint Compound) <1% CHRYSOTILE (Composite)	Drywall and Joint Compound Ceiling in Room Between Classrooms 108 & 208 at Area with Missing 12" ACT, Building A
HMS-R1823-15C	NONE DETECTED (In Drywall) 1-2% CHRYSOTILE (Joint Compound) <1% CHRYSOTILE (Composite)	Drywall and Joint Compound North West Wall at Corner in Room 111 in Building A
HMS-R1823-15D	NONE DETECTED (In Drywall) 1-2% CHRYSOTILE (Joint Compound) <1% CHRYSOTILE (Composite)	Drywall and Joint Compound South West Wall in Room Between Classrooms 108 & 208, Building A
HMS-R1823-15E	NONE DETECTED (In Drywall) 1-2% CHRYSOTILE (Joint Compound) <1% CHRYSOTILE (Composite)	Drywall and Joint Compound South West Corner of Wall in Classroom 112, Building A

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**BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.**

200 Rocklin Road, Suite 7  
 Rocklin, CA 95677  
 (916) 632-6800  
 (916) 632-6841 FAX

**JOB I.D.:** R1823      **CLIENT:** Chico USD      **COLLECTED BY:** Rick Beall  
**DATE COLLECTED:** 11/14/05      **DATE SUBMITTED:** 11/15/05      **LAB SUBMITTED TO:** Asbestech

**SPECIAL INSTRUCTIONS:**

**ANALYSIS REQUESTED:** Asbestos by PLM with Dispersion Staining      **TURNAROUND TIME:** 72 Hours

**JOB SITE:** Bidwell Junior High School  
 2376 North Avenue  
 Chico, CA 95926

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
HMS-R1823-01A	2 X 4 Drop in Ceiling Tile - North Area of Classroom 108, Building A
HMS-R1823-02A	12" Acoustical Ceiling Tile, Mezzanine Ceiling in Classroom 109, Building A
HMS-R1823-03A	Basecove Mastic - Light Brown Colored, Lower East Wall, Classroom 109, Building A
HMS-R1823-03B	Basecove Mastic - Dark Brown Colored, West Wall Room 208, Building A
HMS-R1823-04A	Exterior Stucco, East Wall of Building by Door to Classroom 109, Building A
HMS-R1823-04B	Exterior Stucco, North Side of Building by Door to Classroom 109, Building A
HMS-R1823-04C	Exterior Stucco, West Wall of Building by Door to Classroom 208, Building A
HMS-R1823-05A	Black Sink from Classroom 207, Building C
HMS-R1823-06A	Tan Wall Plaster, Small Wall Column in Classroom 207, Building C
HMS-R1823-06B	Tan Wall Plaster Where new Door is Located, South Wall of Classroom 207, Building C
HMS-R1823-06C	Tan Wall Plaster, West Wall by Door in Storage Room Between Classrooms 206 & 207, Building C
HMS-R1823-06D	Wall Plaster Lower East Wall in Classroom 206, Building C
HMS-R1823-07A	9" VFT and Black Mastic East Side Under Table Extension, Classroom 207, Building C
HMS-R1823-08A	9" VFT and Black Mastic in Room Between Classrooms 108 & 208 at Doorway to Classroom 109, Building A
HMS-R1823-09A	12" VFT (Light Brown with Brown Streaks) & Black Mastic at West Side by Door Classroom 208, Building A
HMS-R1823-10A	Brown Basecove Mastic, South East Side at Base of Wood Cabinet of Table Extension Classroom 206, Building C

**Delivered by:** Rick Beall      **Date:** 11-15-05      **Time:** 12:55 pm

**Received by:** Dustin      **Date:** 11-15-05      **Time:** 12:35 pm

# BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

4200 Rocklin Road, Suite 7  
Rocklin, CA 95677  
(916) 632-6800  
(916) 632-6841 FAX

JOB I.D.: R1823      CLIENT: Chico USD

COLLECTED BY: Rick Beall

DATE COLLECTED: 11/14/05      DATE SUBMITTED: 11/15/05

LAB SUBMITTED TO: Asbestech

**SPECIAL INSTRUCTIONS:**

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining      TURNAROUND TIME: 72 Hours

JOB SITE:      Bidwell Junior High School  
2376 North Avenue  
Chico, CA 95926

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
HMS-R1823-11A	Brown Basecove Mastic, West Side at Extension Wooden Table Base, Classroom 207, Building C
HMS-R1823-12A	Exterior Stucco Below Register Grill at South Wall Classroom 207, Building C
HMS-R1823-12B	Exterior Stucco Below Register Grill at South Wall Classroom 206, Building C
HMS-R1823-13A	12" ACT, South Side of Classroom Near Door, Classroom 207, Building C
HMS-R1823-14A	Drywall Joint Compound at Metal Corner of Wall at Mezzanine by Ladder in Classroom 108, Building A
HMS-R1823-15A	Drywall and Joint Compound North East Corner of Wall in Room 112 (Finish Room) in Building A
HMS-R1823-15B	Drywall and Joint Compound Ceiling in Room Between Classrooms 108 & 208 at Area with Missing 12" ACT, Building A
HMS-R1823-15C	Drywall and Joint Compound North West Wall at Corner in Room 111 in Building A
HMS-R1823-15D	Drywall and Joint Compound South West Wall in Room Between Classrooms 108 & 208, Building A
HMS-R1823-15E	Drywall and Joint Compound South West Corner of Wall in Classroom 112, Building A

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Delivered by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: *R. Beall* Date: 11-15-05 Time: 12:55 PM

ASBESTECH  
6825 Fair Oaks Blvd., Suite 103  
Carmichael, California 95608  
Tel.(916) 481-8902 Fax (916) 481-3975

**Client:**  
Hazard Management Services  
4200 Rocklin Rd., Suite 7  
Rocklin, CA 95677

**Job:**  
R1823 Chico USD  
Bidwell JHS  
Chico, Ca

### BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 47485-1  
Date/Time Collected: 11/14/05  
Date Received: 11/15/05

NVLAP # 101442  
DOHS # 1153  
Date Analyzed: 11/17/05

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
HMS-R1823-01A	Gray/white 2X4 drop in ceiling tile, north area of classroom 108, bldg. A	NONE DETECTED	Cellulose Fibrous Glass
02A	Brown/white 12" acoustic ceiling tile, mezzanine ceiling in classroom 109, bldg. A	NONE DETECTED	Cellulose
03A	Light brown base cove mastic, lower east wall classroom 109, bldg. A	1-5 CHRYSOTILE	Synthetics
03B	Dark brown base cove mastic, west wall room 208, bldg. A	<1 CHRYSOTILE	Synthetics Wollastonite
04A	White exterior stucco, east wall of bldg. by door to classroom 109, bldg. A	NONE DETECTED	Granular Mins.
04B	White exterior stucco, north side of bldg. by door to classroom 109, bldg. A	NONE DETECTED	Granular Mins.
04C	White exterior stucco, west wall of bldg. by door to classroom 208, bldg. A	NONE DETECTED	Granular Mins.
05A	Blank sink from classroom 207, bldg. C	5-10 CHRYSOTILE	Opaques

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

**NVLAP**

ANALYST SIGNATURE: \_\_\_\_\_



ASBESTECH  
6825 Fair Oaks Blvd., Suite 103  
Carmichael, California 95608  
Tel.(916) 481-8902 Fax (916) 481-3975

**Client:**

Hazard Management Services  
4200 Rocklin Rd., Suite 7  
Rocklin, CA 95677

**Job:**

R1823 Chico USD  
Bidwell JHS  
Chico, Ca

**BULK ASBESTOS ANALYSIS REPORT**

LAB JOB # 47485-2

Date/Time Collected: 11/14/05

Date Received: 11/15/05

NVLAP # 101442

DOHS # 1153

Date Analyzed: 11/17/05

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
HMS-R1823-06A	Tan wall plaster, small wall column in classroom 207, bldg. C	1-2 CHRYSOTILE	Granular Mins.
06B	Tan wall plaster where new door is, south wall of classroom 207, bldg. C	NONE DETECTED	Granular Mins.
06C	Tan wall plaster, west wall by door in storage room between classrooms 206 & 207, bldg. C	NONE DETECTED	Granular Mins.
06D	Tan wall plaster, lower east wall in classroom 206, bldg. C	NONE DETECTED	Granular Mins.
07A	Green 9" VFT, east side under table extension, classroom 207, bldg. C	2-7 CHRYSOTILE	Granular Mins.
	Black mastic	1-5 CHRYSOTILE	Tar Binder
08A	Beige 9" VFT, in room between classrooms 108 & 208 at doorway to classroom 109, bldg. A	1-5 CHRYSOTILE	Granular Mins.
	Black mastic	1-5 CHRYSOTILE	Tar Binder

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1% WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

**NVLAP**

ANALYST SIGNATURE: \_\_\_\_\_

*Juan J. Lopez*

ASBESTECH  
6825 Fair Oaks Blvd., Suite 103  
Carmichael, California 95608  
Tel.(916) 481-8902 Fax (916) 481-3975

**Client:**  
Hazard Management Services  
4200 Rocklin Rd., Suite 7  
Rocklin, CA 95677

**Job:**  
R1823 Chico USD  
Bidwell JHS  
Chico, Ca

### BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 47485-3  
Date/Time Collected: 11/14/05  
Date Received: 11/15/05

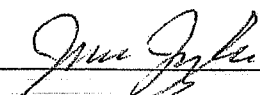
NVLAP # 101442  
DOHS # 1153  
Date Analyzed: 11/17/05

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
HMS-R1823-09A	Light brown with brown streaks 12" VFT, at west side by door to classroom 208, bldg. A	1-2 CHRYSOTILE	Granular Mins.
	Black mastic	1-5 CHRYSOTILE	Tar Binder
10A	Brown base cove mastic, SE side at base of wood cabinet of table extension classroom 206, bldg. C	<1 FIBROUS TREMOLITE	Synthetics Talc
11A	Brown base cove mastic, west side at extension wood table base, classroom 207, bldg. C	<1 FIBROUS TREMOLITE	Synthetics Talc
12A	White exterior stucco below register grill at south wall classroom 207, bldg. C	NONE DETECTED	Granular Mins.
12B	White exterior stucco below register grill at south wall classroom 206, bldg. C	NONE DETECTED	Granular Mins.
13A	Brown/white 12" ACT south side of classroom near door, classroom 207, bldg. C	NONE DETECTED	Cellulose

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

**NVLAP**

ANALYST SIGNATURE: \_\_\_\_\_





ASBESTECH  
6825 Fair Oaks Blvd., Suite 103  
Carmichael, California 95608  
Tel.(916) 481-8902 Fax (916) 481-3975

**Client:**

Hazard Management Services  
4200 Rocklin Rd., Suite 7  
Rocklin, CA 95677

**Job:**

R1823 Chico USD  
Bidwell JHS  
Chico, Ca

**BULK ASBESTOS ANALYSIS REPORT**

LAB JOB # 47485-4  
Date/Time Collected: 11/14/05  
Date Received: 11/15/05

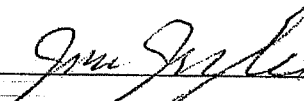
NVLAP # 101442  
DOHS # 1153  
Date Analyzed: 11/17/05

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
HMS-R1823-14A	White drywall joint compound at metal corner of wall at mezzanine by ladder in classroom 108, bldg. A	1-2 CHRYSOTILE	Granular Mins.
15A	White drywall, NE corner of wall in room 112 (finish room) in bldg. A	NONE DETECTED	Gypsum Cellulose
	White joint compound	1-2 CHRYSOTILE	Granular Mins.
	Composite	<1 CHRYSOTILE	Gypsum Cellulose Granular Mins.
15B	White drywall, ceiling in room between classrooms 108 & 208 at area with missing 12" ACT, bldg. A	NONE DETECTED	Gypsum Cellulose
	White joint compound	1-2 CHRYSOTILE	Granular Mins.
	Composite	<1 CHRYSOTILE	Gypsum Cellulose Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

**NVLAP**

ANALYST SIGNATURE: \_\_\_\_\_



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Carmichael, California 95608  
Tel.(916) 481-8902 Fax (916) 481-3975

**Client:**  
Hazard Management Services  
4200 Rocklin Rd., Suite 7  
Rocklin, CA 95677

**Job:**  
R1823 Chico USD  
Bidwell JHS  
Chico, Ca

### BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 47485-5  
Date/Time Collected: 11/14/05  
Date Received: 11/15/05

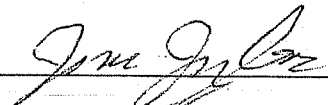
NVLAP # 101442  
DOHS # 1153  
Date Analyzed: 11/17/05

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
HMS-R1823-15C	White drywall, NW wall at corner in room 111 in bldg. A	NONE DETECTED	Gypsum Cellulose
	White joint compound	1-2 CHRYSOTILE	Granular Mins.
	Composite	<1 CHRYSOTILE	Gypsum Cellulose Granular Mins.
15D	White drywall, SW wall in room between classrooms 108 & 208, bldg. A	NONE DETECTED	Gypsum Cellulose
	White joint compound	1-2 CHRYSOTILE	Granular Mins.
	Composite	<1 CHRYSOTILE	Gypsum Cellulose Granular Mins.
15E	White drywall, SW corner of wall in classroom 112, bldg. A	NONE DETECTED	Gypsum Cellulose
	White joint compound	1-2 CHRYSOTILE	Granular Mins.
	Composite	<1 CHRYSOTILE	Gypsum Cellulose Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

**NVLAP**

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ASBESTECH  
6825 Fair Oaks Blvd., Suite 103  
Carmichael, California 95608  
Tel.(916) 481-8902 Fax (916) 481-3975

**Client:**

Hazard Management Services  
4200 Rocklin Rd., Suite 7  
Rocklin, CA 95677

**Job:**

R1823 Chico USD  
Bidwell JHS  
Chico, Ca

**BULK ASBESTOS ANALYSIS REPORT**

LAB JOB # 47496  
Date/Time Collected: 11/14/05  
Date Received: 11/15/05

NVLAP # 101442  
DOHS # 1153  
Date Analyzed: 11/18/05

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
HMS-R1823-15A	White drywall/joint compound composite NE corner of wall in room 112 (finish room) in bldg. A	<1 CHRYSOTILE	Gypsum Calcite Cellulose

NOTE: This sample was analyzed by quantitative Point Counting using a Chalkley Point Array over 400 non-empty points.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(s)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

**NVLAP**

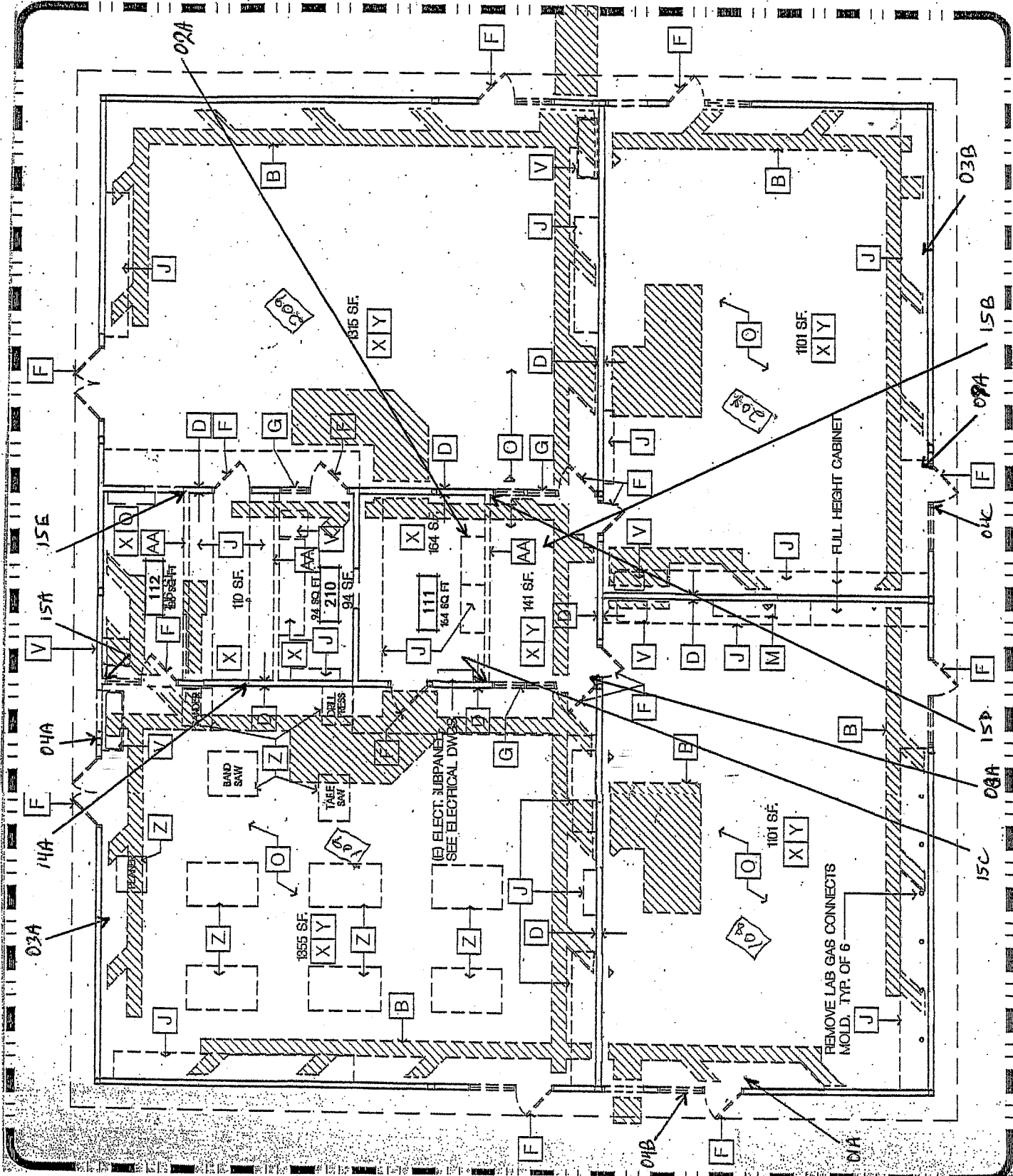
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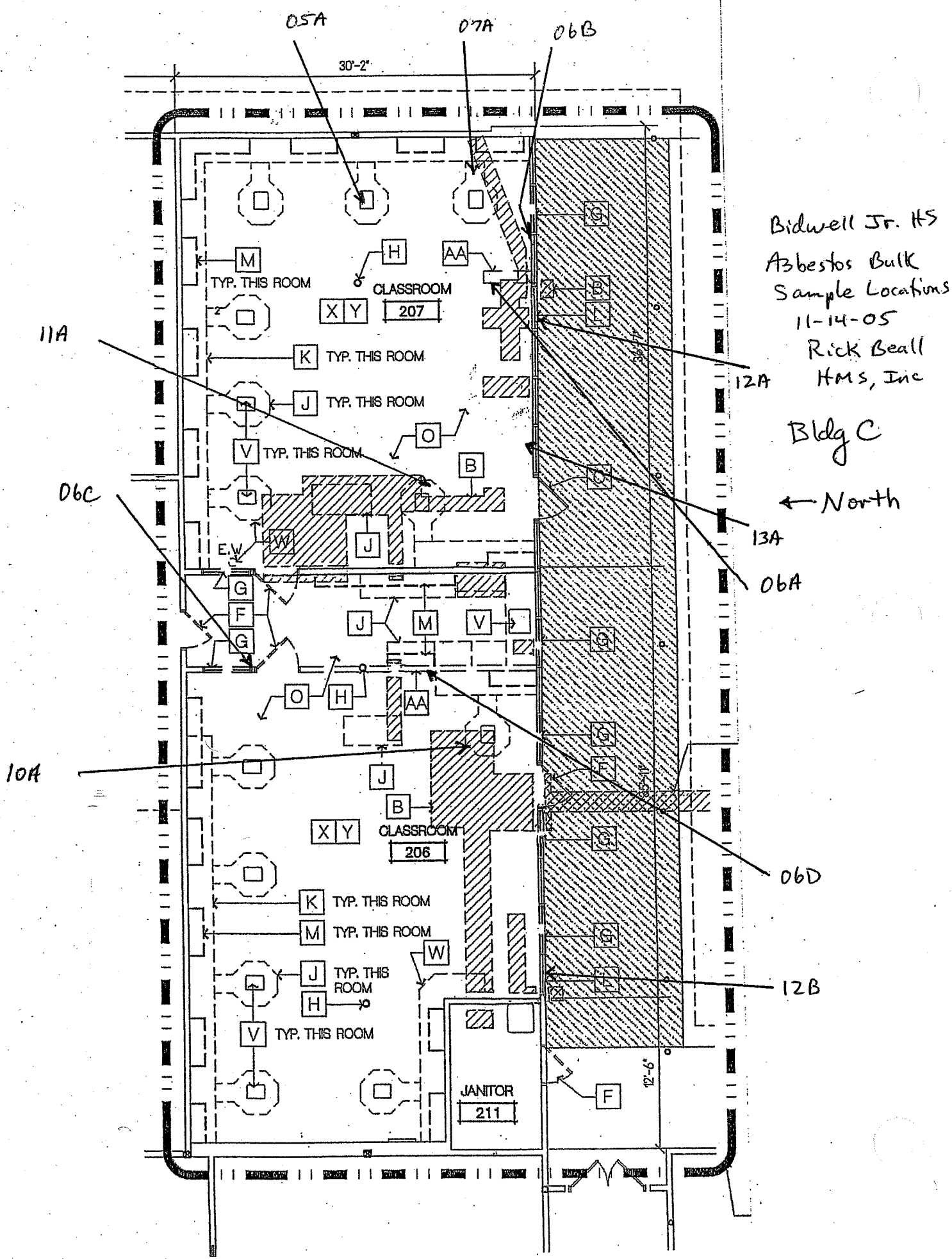


Bidwell  
Jr. High School  
Asbestos Bulk  
Sample Location  
11-14-05  
Rick Beall  
HMS, Inc

Bldg. A

← North

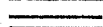
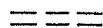




# DEMOLITION PLAN KEYNOTES

- A** EXISTING CASEWORK TO REMAIN - PROTECT IN PLACE DURING CONSTRUCTION
- B** SAW CUT AND REMOVE EXISTING CONCRETE SLAB ON GRADE FOR UTILITIES RENOVATION. DO NOT CUT (E) FLOOR CURB & FOUNDATION BELOW AT WALLS, TYP.
- C** EXISTING DOOR MODIFIED IN DSA APPL #02-101976; PAINT ONLY; SEE DOOR SCHEDULE
- D** (E) INTERIOR WALLS - REMOVE (E) NON-STRUCTURAL WOOD PANELS AND (E) GYP. BD. ON BOTH SIDES OF THE EXISTING WOOD STUDS, TYP.
- E** REMOVE DOOR; FRAME TO REMAIN. COORD. NEW DOOR HARDWARE WITH EXIST. FRAME
- F** REMOVE EXISTING DOOR AND FRAME, INCLUDING SIDE LITE & TRANSOM, IF ANY, BACK TO R.O.
- G** REMOVE EXISTING WINDOW
- H** EXISTING COLUMN TO REMAIN - PROTECT.
- J** REMOVE EXISTING FULL HEIGHT STORAGE CABINETS, BASE CABINET, SHELVING, COUNTER TOP AND BACK SPLASH.
- K** REMOVE EXISTING COUNTER TOP AND BACK SPLASH.
- L** REMOVE BUILT-IN UNIT VENTILATOR CABINET & ATTACHED METAL SHELVING; SEE MECH. DWGS. FOR ADDL REQMTS
- M** REMOVE EXISTING UPPER WALL- HUNG CABINETS.
- N** NOT USED.
- O** REMOVE EXISTING 4" BASE (E) FLOOR TILE REMOVED BY SEPARATE HAZMAT ABATEMENT CONTRACTOR, COORDINATE AS REQUIRED.
- P** NOT USED.
- Q** REMOVE (E) EXTERIOR WINDOW CURTAIN TRACK AND CURTAINS IN THIS ROOM
- R** NOT USED.
- S** (E) PLASTER CEILING THIS ROOM REMOVED BY SEPARATE HAZMAT ABATEMENT CONTRACTOR, COORDINATE AS REQUIRED.
- T** NOT USED.
- U** EXISTING STUD WALL WITH TELECOMMUNICATIONS EQUIP. TO REMAIN UNDISTURBED AND PROTECTED FROM NEW CONSTRUCTION WORK
- V** REMOVE EXISTING FIXTURE. SEE PLUMBING DWGS. FOR DISPOSITION OF SERVICE LINES.
- W** REMOVE (E) EYE WASH
- X** REMOVE EXISTING WALL MOUNTED SPEAKERS, TELEPHONES, CLOCKS, FLAGPOLES, SOAP DISPENSERS, FIRE EXTINGUISHERS & RELATED WIRING & WIRE MOLD FOR INSTALLATION AS SHOWN ON CONSTRUCTION DWGS.
- Y** REMOVE (E) CHALKBOARD(S) TACKBOARD(S) AND WHITEBOARD(S) THIS ROOM, UNLESS OTHERWISE NOTED.
- Z** EXISTING TOOLS & EQUIPMENT. REMOVE & DELIVER TO OWNER'S ON-SITE STORAGE LOCATION OR TRANSPORTATION.
- AA** REMOVE (E) WALL - COORDINATE WITH ELECTRICAL CONTRACTOR FOR CONDUITS TO REMAIN - SEE ELECTRICAL & MECHANICAL DWGS.

## LEGEND

-  (E) WALL TO REMAIN
-  (E) WALL TO BE REMOVED

*HMS, Inc.*  
HAZARD MANAGEMENT SERVICES, INC.

4200 Rocklin Rd., Ste. 7  
Rocklin, CA 95677-2860  
(916) 632-6800 • (916) 632-6841 Fax

---

September 21, 2005

Mr. Michael Weissenborn  
Project Manager Facilities & Development  
Chico Unified School District  
1163 E. Seventh Street  
Chico, CA 95928

RE: Final Close-Out Documentation for Asbestos/Hazardous Materials Related Work at  
Bidwell Junior High School Located at 2376 North Avenue in Chico, CA 95926

Dear Mr. Weissenborn:

This letter reports the completion of work, which impacted lead and asbestos containing building materials at Bidwell Junior High School. With this report Hazard Management Services, Inc. (HMS, Inc.) has completed all of our responsibilities under the present contract. All work was completed in accordance with the abatement specifications included with this report.

Area air samples were collected by HMS, Inc. to monitor the work practices of the abatement contractor. The analytical results of these samples indicated the work practices utilized by the contractor were generally effective in controlling emissions during the removal work. All area samples were analyzed utilizing Phase Contrast Microscopy (PCM) in accordance with the NIOSH 7400 method.

Upon completion of removal by the abatement contractor of asbestos-containing materials and prior to conducting clearance air monitoring of each containment, HMS, Inc. conducted a thorough visual inspection. HMS, Inc. verified that the contractor had completed the removal of the designated materials, and had cleaned the containment area of existing dust, debris, materials, and waste. When HMS, Inc. accepted the containment the abatement contractor was instructed to encapsulate all surfaces within each containment.

Clearance air monitoring was conducted throughout campus where asbestos was removed in accordance with the US Environmental Protection Agency (US EPA) Asbestos Hazard Emergency Response Act (AHERA) criteria, and in accordance with 40 CFR Part 763, Appendix A. Analysis of clearance air samples collected was performed by Transmission Electron Microscopy (TEM) and Phase Contrast Microscopy by Asbestech of Carmichael, CA. Please refer to the project book for exact removal and clearance locations.

HMS, Inc. collected bulk samples of various materials suspected of containing asbestos during this project. These samples were analyzed for asbestos content using Polarized Light Microscopy (PLM) and dispersion staining by Asbestech.

HMS, Inc. also conducted an XRF survey of interior and exterior architectural coatings before commencement of the project to help determine lead levels and work practices to be applied during surface preparations by contractors. No bulk samples for lead analysis were collected for this project.

Mr. Michael Weissenborn  
Project Manager Facilities & Development  
Chico Unified School District  
September 21, 2005  
Page Two

A copy of all sample analysis reports and all laboratory certifications can be found in Section "V" of the close-out documents.

HMS, Inc. is including documentation provided by the contractor(s) with this report as part of the final close-out documentation, as required by the project specifications. These documents include copies of worker training certificates, medical exams, respirator fit tests, air sampling data, safety meetings, sign-in sheets, and other information that were submitted to HMS, Inc. HMS, Inc. cannot attest to the accuracy or validity of the documents provided by the contractor(s), since these were prepared by the contractor, not HMS, Inc. It is the responsibility of the contractor(s) to comply with the various regulations and provide valid, true, and accurate documents as they pertain to this project.

In order to meet the AHERA requirements, the enclosed documentation must be kept on file by the District as part of the District's US EPA AHERA Management Plan. The District must keep a copy of this report in the District Office and the appropriate school office. Be sure the District receives these documents so they can update the list of asbestos-containing building materials in the Management Plan. The District should also indicate on the "Homogeneous Material Records" (HMR) the abatement actions taken. The District should also be sure to note in the annual notifications to parents and employees that abatement work was completed at this site.

Please call me at (916) 632-6800 if you have any questions regarding this report.

Sincerely,



John A. Angi  
Project Manager  
Certified Asbestos Consultant  
DOSH #03-3330

Enclosures



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*HMS, Inc.*  
HAZARD MANAGEMENT SERVICES, INC.

COPY

4200 Rocklin Rd., Ste. 7  
Rocklin, CA 95677-2860  
(916) 632-6800 • (916) 632-6841 Fax

---

September 14, 2005

Mr. Michael Weissenborn, Project Manager  
Facilities Department  
Chico Unified School District  
1163 East 4<sup>th</sup> Street  
Chico, CA 95928

Re: Bidwell Junior High School, Asbestos Abatement Work, Post Job Submittal from AFM Environmental, Inc. (AFM)

Dear Mr. Weissenborn:

AFM has submitted final documentation to Hazard Management Services (HMS, Inc.). This **COMPLETE's** the final close-out documentation requirements, and is **ACCEPTED** for this project.

I am retaining all documents submitted to me and returning to you only this confirmation letter. This and all other documentation pertaining to the project will be submitted to Chico Unified School District in whole at a later date.

Please call me if you have any questions at (916) 632-6800.

Sincerely,



Shannon Johanson  
Project Manager Administrative Assistant

C:\Shannon's Documents\CLIENTS\Chico USD\Bidwell JHS\1304\AcceptLetter.wpd

SEP 16 2005



# ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7 Rocklin, CA 95677

Telephone (916) 632-6800

Fax (916) 632-6812

September 6, 2007

Mr. Michael Weissenborn  
Project Manager, Facilities Development  
Chico Unified School District  
2455 Carmichael Drive  
Chico, California 95928

Re: Final Close-Out Documentation for the Asbestos Abatement Project in the Restrooms in Building O at Chico Junior High School

Dear Mr. Weissenborn:

This letter reports the completion of the asbestos related work performed at Chico Junior High School by PARC Specialty Contractors, Inc. With this report Entek Consulting Group, Inc. (Entek) has completed all of our responsibilities under the present contract. Asbestos related work included the removal of floor tile and associated floor mastic from the restrooms in Building O.

Area air samples were collected by Entek to monitor the work practices and engineering controls of the abatement contractor. The analytical results of these samples indicated the work practices and engineering controls utilized by the contractor were effective in controlling emissions during the removal work. All area samples were analyzed utilizing Phase Contrast Microscopy (PCM) in accordance with the NIOSH 7400 method. A copy of the laboratory analysis reports are included in Section V of the project documents.

Upon completion of removal of asbestos-containing materials by the abatement contractor and prior to conducting clearance air monitoring of the containment, Entek conducted a thorough visual inspection of the work area. Entek verified that the contractor had completed the removal of the designated materials, and had cleaned the containment area of existing dust, debris, materials, and waste. When Entek accepted the containment the abatement contractor was allowed to encapsulate all surfaces within the containment.

Clearance air monitoring was conducted in the work area in accordance with the US Environmental Protection Agency (US EPA) Asbestos Hazard Emergency Response Act (AHERA) criteria, and in accordance with 40 CFR Part 763, Appendix A, to assess post abatement airborne asbestos concentrations. No asbestos structures were detected on the set of clearance air samples collected in the work area of Building O. Analysis of the clearance air samples was performed utilizing Transmission Electron Microscopy (TEM) by Asbestech of Carmichael, California, a laboratory that participates in the National Voluntary Laboratory Accreditation Program (NVLAP). A copy of laboratory analysis reports are included in Section V of the project documents.

Entek is including documentation provided by the contractor with this report as part of the final close-out documentation, as required by the project specifications. These documents submitted to Entek include copies of worker training certificates, medical exams, respirator fit tests, air sampling data, safety meetings, sign-in sheets, etc. Entek cannot attest to the accuracy or validity of the documents provided by the contractor, since these were prepared by the contractor, not Entek. It is the responsibility of the contractor to comply with the various regulations and provide valid, true, and accurate documents as they pertain to this project.



Mr. Michael Weissenborn  
Chico USD  
September 6, 2007  
Page Two

In order to meet AHERA requirements, the enclosed documentation must be kept on file as part of the District's US EPA AHERA Management Plan. A copy of this report must be retained in the District Office and the appropriate school office. Be sure to update the list of asbestos-containing building materials in the Management Plan. Indicate on the "Homogeneous Material Records" (HMR) the abatement action taken. Also, be sure to note in the District's annual notifications to parents and employees that abatement work was completed at this site. It is possible other materials exist in Building O which may be impacted in the future. Any additional materials not mentioned in this report which may be encountered during a renovation process should be tested prior to impact by a non-abatement contractor.

It has been our pleasure working with you on this investigation. If you desire any further services or have questions please call at (916) 632-6800.

Sincerely,

A handwritten signature in black ink, appearing to read "W. Esparza", with a long horizontal flourish extending to the right.

William W. Esparza  
Project Manager  
Certified Asbestos Consultant  
DOSH #99-2579

Enclosures

## Armstrong Floor Products Asbestos Removal Dates

Technical Information \ Miscellaneous \ Armstrong Floor Products Asbestos Removal Dates  
Technical Information \ Technical Bulletins \ Armstrong Floor Products Asbestos Removal Dates

Armstrong World Industries, Inc. no longer manufactures resilient floors or adhesives that contain asbestos.

The information provided below represents the last date for each floor product category that Armstrong produced containing asbestos. Please note, these dates reflect Armstrong's last manufacture, not the products' sale or installation.

COMMERCIAL TILE June, 1981

RESIDENTIAL TILE December, 1982

ADHESIVES (S-89 AND S-90) January, 1983

SHEET VINYL April, 1983

Please be advised that there are federal and, in many states, also state and local regulations which you must consult to determine the procedures required to be followed when removing in-place asbestos-containing materials. Most of these regulations focus on friable materials (those which when dry can be crumbled, pulverized or reduced to powder by hand pressure). In our view, resilient floor coverings are nonfriable and not fairly subject to such regulations. You should be aware that some jurisdictions have regulations which do not take into account the nonfriable nature of the removed material. For this reason, and also because the regulations in your state are always subject to change and sometimes varying interpretations, you should contact the governmental agencies within your jurisdiction to determine which, if any, regulations apply to the removal of resilient floor covering, including the use of RFCI (Resilient Floor Covering Institute) Recommended Work Practices for the Removal of Resilient Floor Coverings.

Unless you are absolutely sure that a previously installed, in-place flooring material does not contain asbestos, you should always assume it does contain asbestos. A copy of the Recommended Work Practices is available at <http://rfci.com/> or by calling 301 340-8580.

If you need additional information on Armstrong floors, contact 1 800 233-2283.

Thomson & Hendricks, Inc.  
New Heater at the Bidwell Jr. High School Gym, #27002

**CERTIFICATION OF COMPLIANCE FOR BUILDING MATERIALS**

This is to certify, in accordance with the Environmental Protection Agency requirements, that the materials and equipment used in the construction of the:

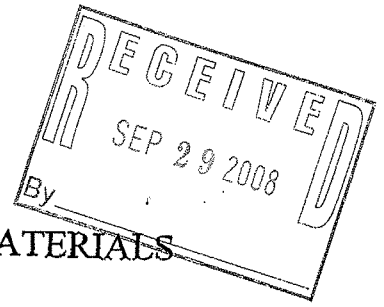
*New HEATER*  
*Chico Unified School District of Butte* for the *Bidwell Jr High Gym*  
County, California,  
are asbestos free and are, therefore, not subject to monitoring for asbestos contamination.

Project Name: *Bidwell JR. High School Gym.*  
*HVAC Replacement # 27002*  
Address:

Contractor: *EFFICIENT ENERGY Concepts, INC*  
Address: *7 Three Sevens Lane Chico, Ca. 95973*

Signature: *[Signature]*  
Title: *President*

SEPARATE CERTIFICATE IS REQUIRED FOR EACH SITE



CERTIFICATION OF COMPLIANCE FOR BUILDING MATERIALS

This is to certify, in accordance with the Environmental Protection Agency requirements, that the materials and equipment used in the construction of the re-roof at Bidwell Junior High School for the Chico Unified School District of Butte County, California, are asbestos free and are, therefore, not subject to monitoring for asbestos contamination.

Date: 9/28/08  
Project Name: Bidwell Junior High School Re-roof  
Address: 2376 North Ave., Chico, CA 95926

Contractor: Rick Carpenter Roofing  
Address: 5257 South Libby Road, Paradise, CA 95969

Signature: *Rick Carpenter*  
Title: Owner