

BID DOCUMENTS

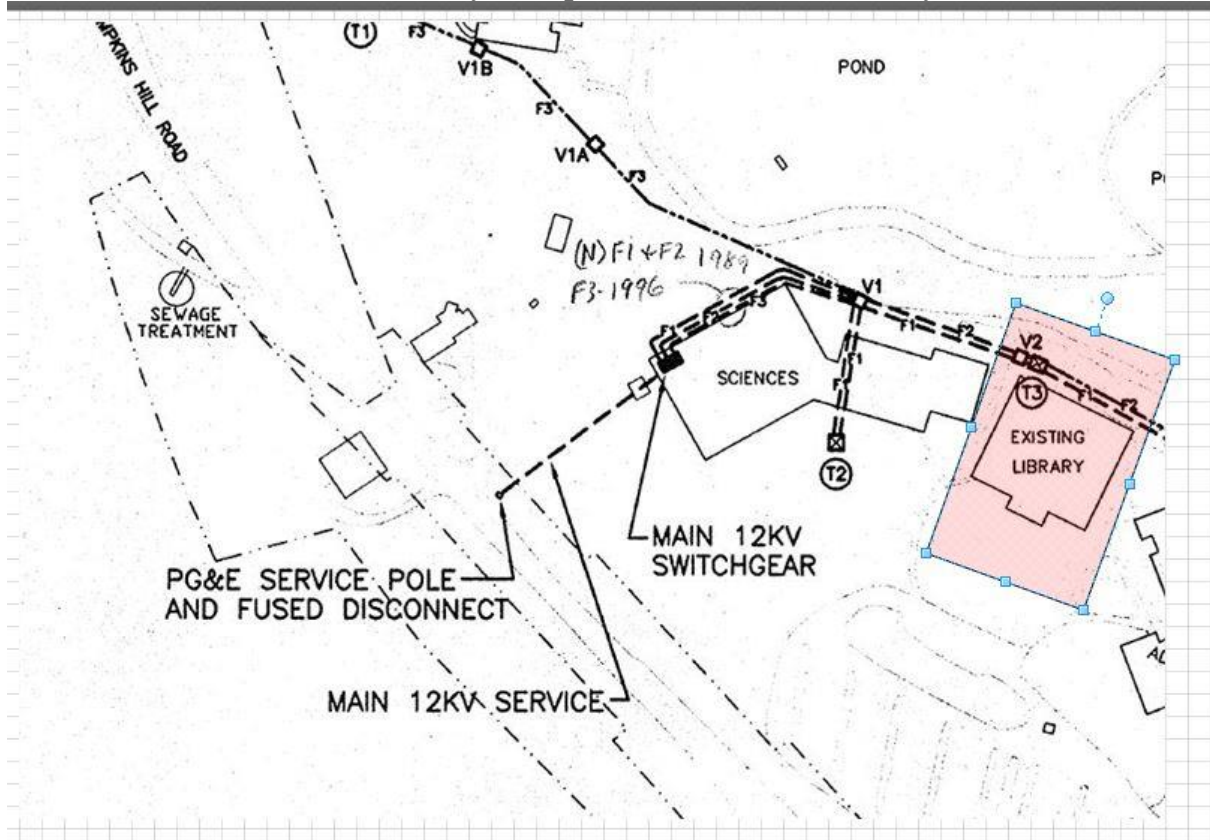
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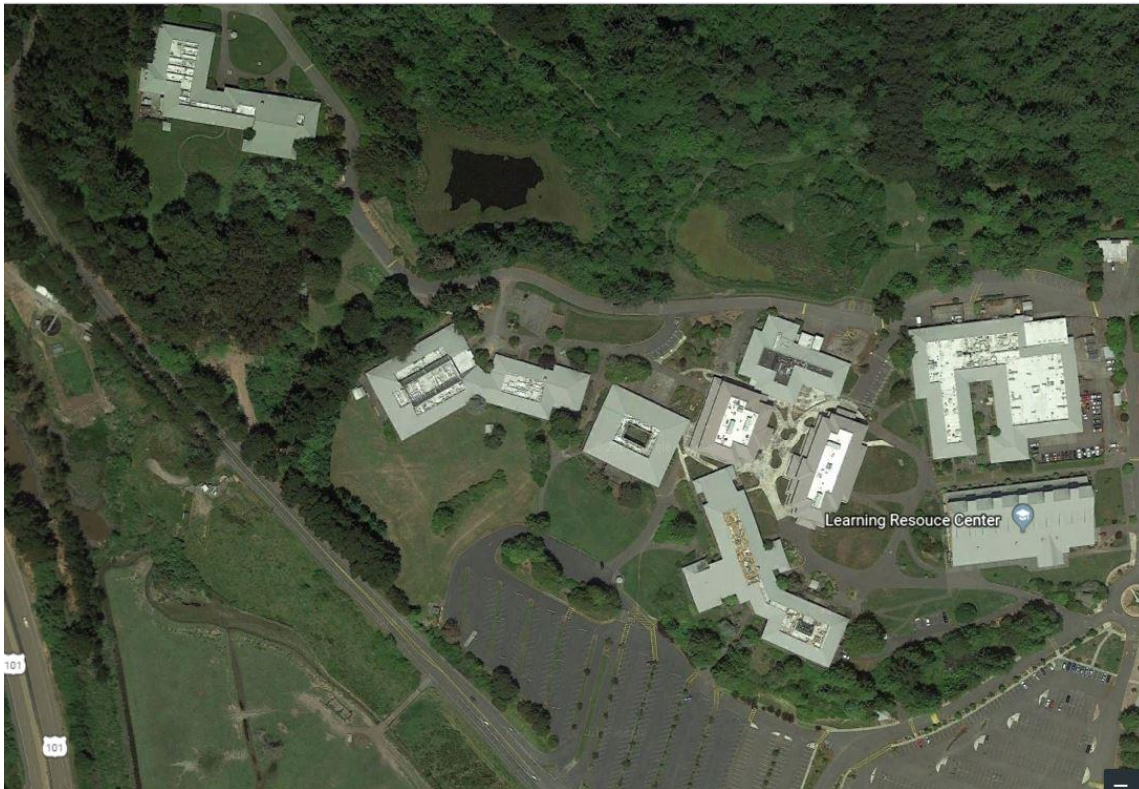
PROJECT SCOPE OF WORK SUMMARY

Summary ONLY. Project includes but is not limited to:

- 1) Hazmat Abatement for Old Library as required – see attached Survey.**



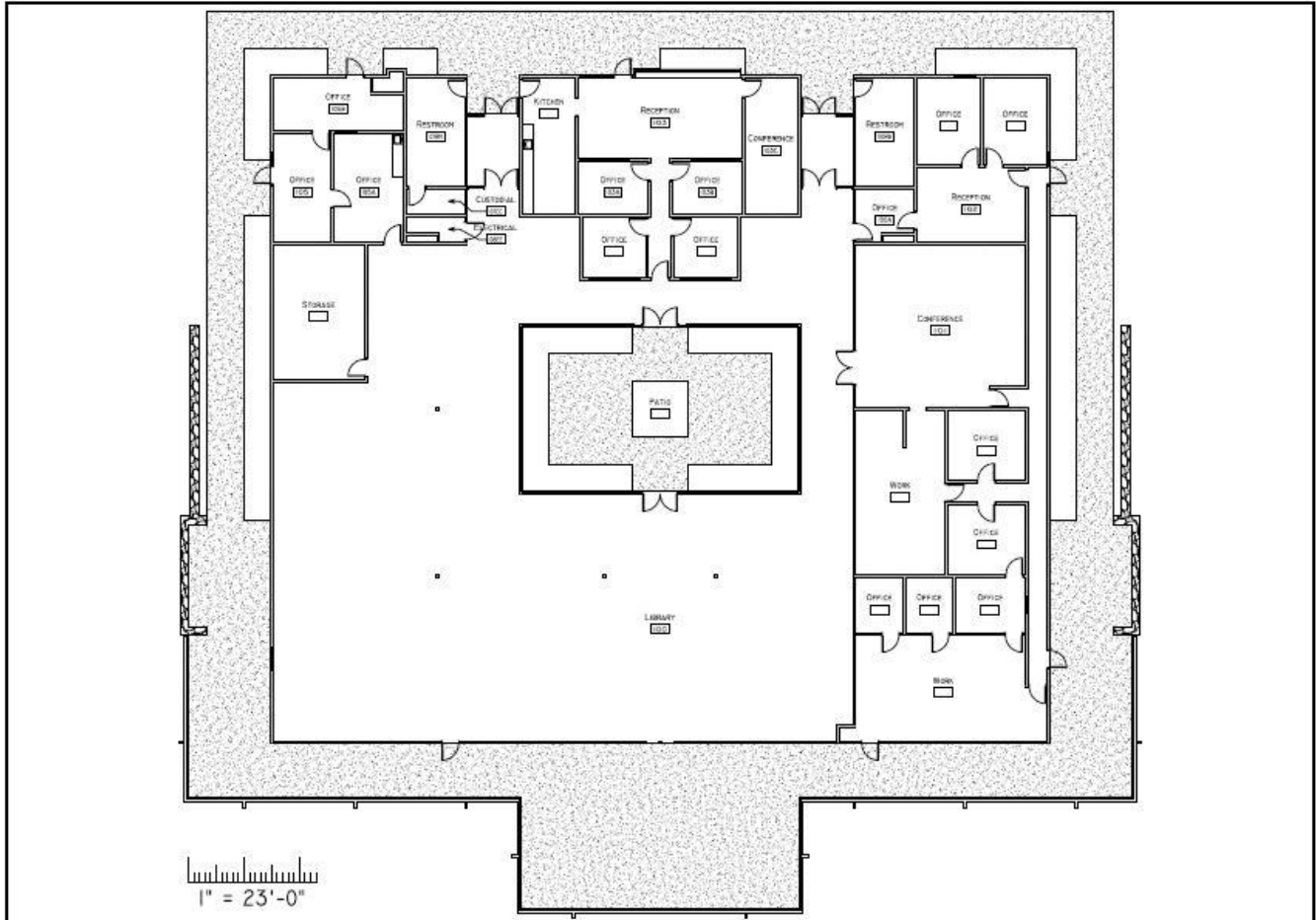
- 2) Miscellaneous abatement of interior furnishings etc. Exterior LED lighting to be saved for the college**
- 3) Fence off, Demolish and cleanup Library building and associated Transformer and transformer building while leaving intact surrounding underground utilities and as much of the existing hardscape as practical**
- 4) Remove fencing and Hydro-seed cleaned area to create a green space.**



Questions from Previous project walkthroughs that may be relevant

1. Does the College need/want any base rock if the concrete is crushed on site? College confirmed that they do not want any base rock and 100% of demolition debris is to be removed.
2. Could the college contact the disposal local sites of the pending demolition? I will reach out to the local disposal sites but have no way of providing material estimates.
3. (Number 3 is not really a question) General discussion was that this job would require 30 plus. I have shared this information with the college.
4. Has the college notified PG&E regarding the building demolitions WRT 12KV? The college will notify PG&E prior to demolition start.
5. Can the as builts be provided? Due to time constraints, I will be posting the As Builts as specific to the Library as an addendum.
6. Was Lead paint sampling taken? No. The college has no information WRT lead paint on any of these building.

Library Floor Plan



COLLEGE OF THE REDWOODS - EUREKA CAMPUS
LIBRARY BUILDING (OUT OF SERVICE)

REDWOODS COMMUNITY COLLEGE DISTRICT
REVISED THU 19 JUN 2008

Utilities Demarcations:

Chart of Utilities by Building addressed in this document:

Utility	Old Library
Natural Gas	NA
Hydronic Lines	X
Water	X
12KV	NA
Transformer	X
Switchgear	NA
Power (208 3-ph)	X
Fiber	NA??
Phone/Fire/EMS	NA??
Storm Water	X
Sewer	X
Outbuilding	X
Specialty Equipment	NA
Roof Mounted Equipment	NA

Old Library

- A. Picture number one is for Old Library water shut off . Shutoff to remain in place or placed into a new utilities box marked “WATER”



- B. Picture number two is where both the sewer and the Storm drains are. They are both located in this approximate area. These will need to be sealed in concrete at both ends near the building and at the input to



the main line

This Picture shows the transformer shed and water boost irrigation pump set up. The transformer shed and transformer go away as part of this demo. **The booster irrigation pump will be pulled by the college prior to demolition start.** There is a 12KV vault shown in photo 007 below. All 12KV infrastructure will either be abandoned in place or abated as much as practical. 3ph power into the Library will abated back to the transformer as much as practical. Note electrical room is somewhat in line with transformer. Pull wires from conduit and abandon.

- C.





- D. Picture number five is irrigation water valve and should not be disturbed. In addition there is another set of water valves that should not be disturbed.



- E. Picture number six is the hydronic lines tween the old Library and the Life Science building. Abate as much as practical. Abandon the remaining in place.



The college will be re-routing existing pathway lights that are currently powered at the library to other circuits prior to the demolition date.

- A. Picture number 16 is the Chase Way hiding the hydronic lines going to the library. The college will mark those for us so that they can be abated.



B.

NOTICE INVITING BIDS

1. Notice is hereby given that the Governing Board of the Redwoods Community College District (“District”), of the County of Humboldt, State of California, will receive sealed bids for the CR_Project-0867: Formal project to Demo OLD Library Building implementation (“Project”) up to, but not later than, 9/13/2018, 11am, and will thereafter publicly open and read aloud the bids. All bids shall be received at the office of the Steven Roper, Program Director, College of the Redwoods, Eureka, California.
2. Each bid shall be completed on the Bid Proposal Form included in the Contract Documents, and must conform and be fully responsive to this invitation, the plans and specifications and all other Contract Documents. Project Documents are available for examination on the College of the Redwoods purchasing website.
<https://www.redwoods.edu/businessoffice/Purchasing>
Additionally, project documents can be obtained from the Builder’s Exchange.
3. Each bid shall be accompanied by cash, a cashier's or certified check, or a bidder's bond executed by a surety licensed to do business in the State of California as a surety, made payable to the District, in an amount not less than ten percent (10%) of the maximum amount of the bid. The check or bid bond shall be given as a guarantee that the bidder to whom the contract is awarded will execute the Contract Documents and will provide the required payment and performance bonds and insurance certificates within ten (10) days after the formal Notice of Award and bonds demand notification is signed by vendor and received by the College.
4. The successful bidder shall comply with the provisions of the Labor Code pertaining to payment of the generally prevailing rate of wages and apprenticeships or other training programs. The Department of Industrial Relations has made available the general prevailing rate of per diem wages in the locality in which the work is to be performed for each craft, classification or type of worker needed to execute the contract, including employer payments for health and welfare, pension, vacation, apprenticeship and similar purposes. Copies of these prevailing rates are available to any interested party upon request and are online at <http://www.dir.ca.gov/DLSR>. The Contractor and all Subcontractors shall pay not less than the specified rates to all workers employed by them in the execution of the Contract. It is the Contractor's responsibility to determine any rate change.
5. The schedule of per diem wages is based upon a working day of eight hours. The rate for holiday and overtime work shall be at least time and one half.
6. The substitution of appropriate securities in lieu of retention amounts from progress payments in accordance with Public Contract Code §22300 is permitted.
7. Pursuant to Public Contract Code §4104, each bid shall include the name and location of the place of business of each subcontractor who shall perform work or service or fabricate or install work for the contractor in excess of one-half of one percent (1/2 of 1%) of the bid price. The bid shall describe the type of the work to be performed by each listed subcontractor.

8. No bid may be withdrawn for a period of sixty (60) days after the date set for the opening for bids except as provided by Public Contract Code §§5100 *et seq.* The District reserves the right to reject any and all bids and to waive any informalities or irregularities in the bidding.
9. The project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations. In accordance with SB 854, all bidders, contractors and subcontractors working at the site shall be duly registered with the Department of Industrial Relations at time of bid opening and at all relevant times. Proof of registration shall be provided as to all such contractors prior to the commencement of any work.
10. Each bidder shall possess at the time the bid is awarded the following classification(s) of California State Contractor's license: C21 - Building Moving/Demolition as either the Prime or a subcontractor. In addition, Bids will be accepted from Either an "A" licensed or "B" licensed contractor provided one of the subcontractors listed on the Bid docs holds a C21 license.
11. The Governing Board has found that the Project is substantially complex and therefore requires a retention amount of 5%.
12. A mandatory bidders' conference will be held at College of the Redwoods Community College District at the College of the Redwoods, **outside the old Library** on 9/4/2018 at 11:00 AM for the purpose of acquainting all prospective bidders with the Contract Documents and the Project site. **Failure to attend the conference will result in the disqualification of the bid of the non-attending bidder.**

Redwoods Community College District

By: Steven Roper

DATED: 8/13, 2018

Publication Dates: 1) _____ 2) _____

INSTRUCTIONS TO BIDDERS

Each bid submitted to the Redwoods Community College District (“District”) for the CR_Project-0867: Formal Project to Demo OLD Library Building implementation Project (“Project”) shall be in accordance with the following instructions and requirements, which are part of the Contract Documents for this Project.

1. Deadline For Receipt of Bids. Each bid shall be sealed and submitted to the office of Steven Roper, Director of Facilities and Planning, Eureka California County of Humboldt, California no later than 11:00 AM on 9/13/2018. The District suggests that bids be hand delivered in order to ensure their timely receipt. Any bids received after the time stated, regardless of the reason, shall be returned, unopened, to the bidder.

2. Bidders’ Conference. A mandatory bidders’ conference will be held on 9/4/2018 at 11:00 AM, for the purpose of acquainting all prospective bidders with the Contract Documents and the Project site. It is imperative that all prospective bidders attend this conference. The failure to attend the conference may result in the disqualification of the bid of the non-attending bidder.

3. Requests for Information. A bidder’s failure to request clarification or interpretation of an apparent error, inconsistency or ambiguity in the Contract Documents waives that bidder’s right to thereafter claim entitlement to additional compensation based upon an ambiguity, inconsistency, or error, which should have been discovered by a reasonably prudent Contractor, subject to the limitations of Public Contract Code §1104. Any questions relative to the bid shall be in writing and directed to the office of Steven Roper, Director of Facilities and Planning, Eureka California County of Humboldt, California. These requests shall be submitted to the District at least five working days prior to the date the bid is due.
INTERPRETATION OF DOCUMENTS: In all cases of conflict, the Specifications shall supersede the Drawings. Should a bidder find discrepancies and/or omissions or should he be in doubt as to their meaning, he shall at once notify Dean Davison, (408) 690 3739, pm@redwoods.edu, and should it be found necessary, a written addendum will be sent to all bidders.

4. Bid Proposal Forms. All bid proposals shall be made on the form provided by the District. All items on the form shall be filled out in ink. Numbers should be stated in figures, and the signatures of all individuals must be in long hand. The completed form should be without interlineations, alterations, or erasures

5. Execution of Forms. Each bid shall give the full business address of the bidder and must be signed by the bidder or bidder’s authorized representative with his or her usual signature. Bids by partnerships must furnish the full names of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters. Bids by corporations must be signed with the legal name of the corporation, followed by the signature and designation of the president, secretary, or other person authorized to bind the corporation in this matter. The name of each person signing shall also be typed or printed below the signature. When requested by the District, satisfactory evidence of the authority of the officer signing on behalf of the corporation or partnership shall be furnished. A bidder's failure to properly sign required forms may result in rejection of the bid. All bids must include the bidder's contractor license number(s) and expiration date(s).

6. Bid Security. Bid proposals shall be accompanied by a certified or cashier's check or bid bond for an amount not less than ten percent (10%) of the bid amount, payable to the District. A bid bond shall be secured from an admitted surety company, licensed in the State of California, and satisfactory to the District. The bid security shall be given as a guarantee that the bidder will enter into the Contract if awarded the work, and in the case of refusal or failure to enter into the Contract within ten (10) calendar days after notification of the award of the Contract or failure to provide the payment and performance bonds and proof of insurance as required by the Contract Documents, the District shall have the right to award the Contract to another bidder and declare the bid security forfeited. The District reserves the right to pursue all other remedies in law or equity relating to such a breach including, but not limited to, seeking recovery of damages for breach of contract. Failure to provide bid security, or bid security in the proper amount, shall result in rejection of the bid.
7. Withdrawal of Bid Proposals. Bid proposals may be withdrawn by the bidders prior to the time fixed for the opening of bids, but may not be withdrawn for a period of sixty (60) days after the opening of bids, except as permitted pursuant to Public Contract Code §5103.
8. Addenda or Bulletins. The District reserves the right to issue addenda or bulletins prior to the opening of the bids, subject to the limitations of Public Contract Code §4104.5. Any addenda or bulletins issued prior to bid time shall be considered a part of the Contract Documents.
9. Bonds. The successful bidder shall be required to submit payment and performance bonds as specified in and using the bond forms included with the Contract Documents. All required bonds shall be based on the maximum total contract price as awarded, including additive alternates, if applicable.
10. Rejection of Bids and Award of Contract. The District reserves the right to waive any irregularities in the bid and reserves the right to reject any and all bids. The Contract will be awarded, if at all, within sixty (60) calendar days after the opening of bids to the lowest responsible and responsive bidder, subject to Governing Board approval. The time for awarding the Contract may be extended by the District with the consent of the lowest responsible, responsive bidder.
11. Execution of Contract. The successful bidder shall, within ten (10) calendar days of the college receiving the signed Notice of Award of the Contract, sign and deliver to the District the bonds and certificates of insurance required by the Contract Documents. In the event the successful bidder fails or refuses to execute the Contract or fails to provide the bonds and certificates as required, the District may declare the bidder's bid deposit or bond forfeited as liquidated damages, and may award the work to the next lowest responsible, responsive bidder, or may reject all bids and, in its sole discretion, call for new bids. In all cases, the District reserves the right, without any liability, to cancel the award of Contract at any time prior to the full execution of the Contract.
12. Drawings and Specifications. All drawings, specifications and other documents used or prepared during the project shall be the exclusive property of the District.
13. Evidence of Responsibility. Upon the request of the District, a bidder shall submit promptly to the District satisfactory evidence showing the bidder's financial resources, the bidder's experience in the type of work being required by the District, the bidder's availability to perform the Contract and any other required evidence of the bidder's qualifications and responsibility to perform the Contract. The District may

consider such evidence before making its decision to award the Contract. Failure to submit requested evidence may result in rejection of the bid.

14. Taxes. Applicable taxes shall be included in the bid prices.
15. Bid Exceptions. Bid exceptions are not allowed. If the Bidder has a comment regarding the bid documents or the scope of work, the Bidder shall submit those comments to the District for evaluation at least five working days prior to the opening of the bids. No oral or telephonic modification of any bid submitted will be considered and a sealed written modification may be considered only if received prior to the opening of bids. E-mailed or faxed bids or modifications will not be accepted.
16. Discounts. Any discounts which the bidder desires to provide the District must be stated clearly on the bid form itself so that the District can calculate the net cost of the bid proposal. Offers of discounts or additional services not delineated on the bid form will not be considered by the District in the determination of the lowest responsible responsive bidder.
17. Quantities. The quantities shown on the plans and specifications are approximate. The District reserves the right to increase or decrease quantities as desired.
18. Prices. Bidders must quote prices F.O.B. unless otherwise noted. Prices should be stated in the units specified and bidders should quote each item separately.
19. Samples. On request, samples of the products being bid shall be furnished to the District.
20. Special Brand Names/Substitutions. In describing any item, the use of a manufacturer or special brand does not restrict bidding to that manufacturer or special brand, but is intended only to indicate quality and type of item desired, except as provided in §3400 of the Public Contract Code. Substitute products will be considered either prior to or after the award of the Contract in accordance with §3400 and as set forth in either the Supplemental Conditions or the Specifications. All data substantiating the proposed substitute as an "equal" item shall be submitted with the written request for substitution. The District reserves the right to make all final decisions on product and vendor selection.
21. Container Costs and Delivery. All costs for containers shall be borne by the bidder. All products shall conform to the provisions set forth in the federal, county, state and city laws for their production, handling, processing and labeling. Packages shall be so constructed to ensure safe transportation to the point of delivery.
22. Bid Negotiations. A bid response to any specific item of the bid using terms such as "negotiable," "will negotiate," or similar phrases, will be considered non-responsive.
23. Prevailing Law. In the event of any conflict or ambiguity between these instructions and state or federal law or regulations, the latter shall prevail. All equipment to be supplied or services to be performed under the bid proposal shall conform to all applicable requirements of local, state and federal law, including, but not limited to, Labor Code §§1771, 1778 and 1779.

24. Allowances. An “allowance” means an amount included in the bid proposal for work that may or may not be included in the Project, depending on conditions that will become known only after the Project is underway.
25. Subcontractors. Pursuant to the Subletting and Subcontracting Fair Practices Act, Public Contract Code §§4100-4114, every bidder shall, on the enclosed Subcontractor List Form, set forth:
 - a. The name and location of the place of business of each Subcontractor who will perform work or labor or render service to the bidder in or about the work or fabricate and install work in an amount in excess of one-half (1/2) of the one percent (1%) of the bidder's total bid.
 - b. If the bidder fails to specify a Subcontractor for any portion of the work to be performed under the Contract in excess of one-half (1/2) of one percent (1%) of the bidder's total bid, bidder agrees that bidder is fully qualified to and shall perform that portion of the work. The successful bidder shall not, without the written consent of the District or compliance with Public Contract Code §§4100 - 4114, either:
 - 1) Substitute any person as Subcontractor in place of the Subcontractor designated in the original bid;
 - 2) Permit any subcontract to be voluntarily assigned or transferred or allow the work to be performed by anyone other than the original Subcontractor listed in the bid; or
 - 3) Sublet or subcontract any portion of the work in excess of one-half (1/2) of one percent (1%) of the total bid as to which the bidder's original bid did not designate a Subcontractor.
26. Examination of Contract Documents and Work Site. Before submitting a bid proposal, all bidders shall carefully examine the Contract Documents, including the plans and specifications, shall visit the site of the proposed work, and shall fully inform themselves of all conditions in and about the work site, as well as applicable federal, state and local laws and regulations that may affect the work. No bidder shall visit the site without prior authorization of the District. Bidders shall contact the District Superintendent or designee for coordination of site visits.
27. Form and Approval of Contract. The Contract Documents must be approved by the Governing Board of the District and its legal counsel. The bidder selected by the District shall execute the contract provided by the District.
28. Licenses and Permits. Each bidder shall at all times possess all appropriate and required licenses or other permits to perform the work as identified in the Contract Documents. Upon request, each bidder shall furnish the District with evidence demonstrating possession of the required licenses or permits.
29. Denial of Right to Bid. Contractors or Subcontractors who have violated state law governing public works shall be denied the right to bid on this public works contract pursuant to Labor Code §1777.7.
30. Bidders Interested in More Than One Bid. No person, firm, or corporation shall make, or file, or be interested in more than one bid. However, a person, firm, or corporation that has submitted a subproposal

to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a sub-proposal or quoting prices to other bidders or from submitting a prime proposal.

31. Contractor's State License Board. Contractors and Subcontractors are required by law to be licensed and regulated by the California Contractors' License Board.
32. Labor Compliance. The project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations pursuant to Labor Code sections 1725.5 and 1770 et seq. In accordance with labor code sections 1725.5 and 1770 et seq., all bidders, contractors and subcontractors working at the site shall be duly registered with the Department of Industrial Relations **at time of bid opening and at all relevant times.** Proof of registration shall be provided as to all such contractors prior to the commencement of any work.
34. Additive and Deductive Items: Method of Determining Lowest Bid. Pursuant to Public Contract Code §20103.8, if the bid solicitation includes additive and/or deductive items, the checked [X] method shall be used to determine the lowest bid:

XX (a) The lowest bid shall be the lowest bid price on the base contract without consideration of the prices on the additive or deductive items.

_____ (b) The lowest bid shall be the lowest total of the bid prices on the base contract and those additive or deductive items that were specifically identified in the bid solicitation or Bid Proposal Form as being used for the purpose of determining the lowest bid price.

_____ (c) The lowest bid shall be the lowest total of the bid prices on the base contract and those additive or deductive items taken in order from a specifically identified list of those items that, when in the solicitation, and added to, or subtracted from, the base contract, are less than, or equal to, a funding amount publicly disclosed by the District before the first bid is opened.

_____ (d) The lowest bid shall be determined in a manner that prevents any information that would identify any of the bidders or the proposed Subcontractors or suppliers from being revealed to the public entity before the ranking of all bidders from lowest to highest has been determined.

If no method is checked, sub-paragraph (a) shall be used to determine the lowest bid.

Notwithstanding the method used by the District to determine the lowest responsible bidder, the District retains the right to add to or deduct from the Contract any of the items included in the bid solicitation.

35. Bid Protest. Any bid protest must be in writing and received by the District Office before 5:00 p.m. no later than three (3) working days following bid opening and shall comply with the following requirements:
 - a. The bid protest must contain a complete statement of the basis for the protest and all supporting documentation.

- b. The party filing the protest must have actually submitted a bid for the Project. A Subcontractor of a bidder submitting a bid for the Project may not submit a bid protest. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
- c. The protest must refer to the specific portion or portions of the Contract Documents upon which the protest is based.
- d. The protest must include the name, address and telephone number of the person representing the protesting bidder.
- e. The bidder filing the protest must concurrently transmit a copy of the bid protest and all supporting documentation to all other bidders with a direct financial interest which may be affected by the outcome of the protest, including all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
- f. The bidder whose bid has been protested may submit a written response to the bid protest. Such response shall be submitted to the District before 5 p.m. no later than two (2) working days after the deadline for submission of the bid protest or receipt of the bid protest, whichever is sooner, and shall include all supporting documentation. Such response shall also be transmitted concurrently to the protesting bidder and to all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
- g. The procedure and time limits set forth in this section are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest, including filing a Government Code claim or legal proceedings.
- h. If the District determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards by the District.
- i. A "working day" for purposes of this section means a weekday during which the District's office is open and conducting business, regardless of whether or not school is in session.

BID PROPOSAL FORM

Governing Board - College of the Redwoods Community College District

Dear Members of the Governing Board:

The undersigned, doing business under the name of _____, having carefully examined the location of the proposed work, the local conditions of the place where the work is to be done, the Notice Inviting Bids, the General Conditions, the Instructions to Bidders, the Plans and Specifications, and all other Contract Documents for the proposed _____ Project ("Project"), and having accurately completed the Bidder's Questionnaire, proposes to perform all work and activities in accordance with the Contract Documents, including all of its component parts, and to furnish all required labor, materials, equipment, transportation and services required for the construction of the Project in strict conformity with the Contract Documents, including the Plans and Specifications, as follows:

BASE BID:

For the sum of

_____ Dollars (\$ _____).

ADDITIVE/DEDUCTIVE ALTERNATE *[if applicable]*:

Additive/Deductive Alternate #1 _____
Add/Subtract _____ Dollars (\$ _____)

Additive/Deductive Alternate #2 _____
Add/Subtract _____ Dollars (\$ _____)

Additive/Deductive Alternate #3 _____
Add/Subtract _____ Dollars (\$ _____)

The undersigned has checked carefully all the above figures and understands that the District is not responsible for any errors or omissions on the part of the undersigned in making this bid.

Enclosed find certified or cashier's check no. _____ of the _____ Bank for _____ Dollars (\$ _____) or Bidder's Bond of the _____ surety company in an amount of not less than ten percent (10%) of the entire bid. The undersigned further agrees, on the acceptance of this proposal, to execute the Contract and provide the required bonds and insurance and that in case of default in executing these documents within the time fixed by the Contract Documents, the proceeds of the check or bond accompanying this bid shall be forfeited and shall become the property of the District.

Contractor agrees to commence the work within the time specified in the Notice to Proceed. It is understood that this bid is based upon completing the work by the date specified in the Contract Documents.

ADDENDA:

Receipt of the following addenda is hereby acknowledged:

Addendum # _____ Dated: _____ Addendum # _____ Dated: _____
Addendum # _____ Dated: _____ Addendum # _____ Dated: _____
Addendum # _____ Dated: _____ Addendum # _____ Dated: _____

Respectfully submitted,

Company: _____

Address: _____

By: _____
(Please Print or Type)

Signature: _____

Title: _____

Date: _____

Telephone: _____

Contractor's License No: _____ Expiration Date _____

- Required Attachments:
- Scope of Services
 - Subcontractor List Form
 - Workers Compensation Certificate
 - Non-Collusion Declaration
 - Bid Bond (or Cashier's or Certified Check)
 - Bidders' Questionnaire

WORKERS' COMPENSATION CERTIFICATE

Labor Code §3700 in relevant part provides:

"Every employer except the State shall secure the payment of compensation in one or more of the following ways:

- (a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.
- (b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees."

I am aware of the provisions of §3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this Contract and will require all Subcontractors to do the same.

Contractor

By: _____

In accordance with Article 5 (commencing at §1860), Chapter 1, Part 7, Division 2 of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under this Contract.

NONCOLLUSION DECLARATION

To be executed by the bidder and submitted with the bid.

_____, declares that he or she is _____ of _____, the party making the foregoing bid, and affirms that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true and correct; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Date: _____

Signature

BID BOND

We, the Contractor, _____ as principal (“Principal”), and _____, as surety (“Surety”), are firmly bound unto the _____ District (“District”) in the penal sum of ten percent (10%) of the total amount of the bid of the Principal submitted to the District for the work described below for the payment of which sum in lawful money of the United States, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by this agreement.

Whereas, the Principal has submitted the accompanying bid (“Bid”) dated _____, for the following project (“Project”):

[Click here to enter project name and number](#)

Now, therefore, if the Principal does not withdraw its Bid within the period specified, and if the Principal is awarded the Contract and within the period specified fails to enter into a written contract with District, in accordance with the Bid as accepted, or fails to provide the proof of required insurance, the performance bond and/or the payment bond by an admitted surety within the time required, or in the event of unauthorized withdrawal of the Bid, if the Principal pays the District the difference between the amount specified in the Bid and the amount for which District may otherwise procure the required work and/or supplies, if the latter amount is in excess of the former, together with all related costs incurred by District, then the above obligation shall be void and of no effect. Otherwise, the Principal and Surety shall pay to the District the penal sum described above as liquidated damages.

Surety, for value received, hereby agrees that no change, extension of time, alteration or addition to the term of the Contract or the call for bids, or to the work to be performed thereunder, or the Specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

In witness whereof the above-bound parties have executed this instrument under their several seals this _____ day of _____, 20__, the name and corporate seal of each corporate Party being hereunder affixed and these presents duly signed by its undersigned representative, pursuant to the authority of its governing body.

(Corporate Seal)

Principal/Contractor

By _____

Title: _____

(Corporate Seal)

Surety

Attach Attorney-In-Fact Certificate

By _____

Title

To be signed by Principal and Surety and Acknowledgment and Notary Seal to be attached.

BIDDER'S QUESTIONNAIRE

TO THE BIDDER:

In making its award, the Governing Board will take into consideration the Bidder's experience, financial responsibility and capability. The following questionnaire is a part of the bid. Any bid received without this completed questionnaire may be rejected as nonresponsive. The Board will use, but will not be limited to, the information provided herein for evaluating the qualifications and responsibility of the bidder and the bidder's organization to carry out satisfactorily the terms of the Contract Document. The questionnaire must be filled out accurately and completely and submitted with the bid. Any errors, omissions or misrepresentation of information may be considered as a basis for the rejection of the bid and may be grounds for the termination of any contract executed as a result of the bid.

A. Description of Bidder's Organization

1. Firm Name _____
2. Address _____
3. Telephone Number _____
4. Type of Organization
 - a. Corporation? Yes ____ No ____

If yes, list the officers and positions, and the State in which incorporated.

If the Bidder corporation is a subsidiary, give name and address of parent corporation.

- b. Partnership? Yes ____ No ____

If yes, list partner names and addresses

General Partners:

Limited Partners:

c. Individual Proprietorship? Yes ____ No ____

If yes, list name and address of proprietor:

B. Nature of Operations

1. How long have you been engaged in the contracting business under your present business name? _____

2. How many years of experience does your business have in construction work similar to that called for under this bid? _____

3. Have you now contracts, or have you ever contracted, to provide construction for any school district, community college district or county office of education in the State of California?
Yes ____ No ____

a. If “yes,” on a separate attached sheet, provide the following information for all construction projects you have had with school districts, community college districts and county offices of education during the last four (4) years:

1. Year contract awarded
2. Type of work
3. Contract completion time called for/actual completion time
4. Contract price
5. For whom performed, including person to call for a reference and telephone number
6. Location of work
7. Number of stop notices filed
8. For each contract, list any lawsuits filed relating to that contract in which you were a defendant or plaintiff
9. Amount of liquidated damages assessed.

- b. On a separate attached sheet, provide the following information for all construction contracts of a similar nature as called for in this bid that you have had with entities other than school districts, community college districts and county offices of education during the last four (4) years:
 - 1. Year contract awarded
 - 2. Type of work
 - 3. Contract completion time called for/actual completion time
 - 4. Contract price
 - 5. For whom performed, including person to call for reference and phone number
 - 6. Location of work
 - 7. Number of stop notices filed
 - 8. For each contract list any lawsuits filed relating to that contract in which you were a defendant or plaintiff
 - 9. Amount of liquidated damages assessed.

- c. For each construction contract that you have failed to complete within the contract time in the last four years please state the reasons for the untimely performance.`

C. Financial and Credit Data

- 1. If your bid is considered for award, and if requested by the District, will you supply the following data? Yes ____ No ____
 - a. Names and addresses of any banks where you regularly do business.
 - b. The names and addresses of any banks, finance companies, dealers, suppliers, or others where you have notes or loans.
 - c. Give credit references, including at least three trade or industry suppliers with whom you regularly deal.

- 2. Will you submit on request a balance sheet for the past three (3) years? Yes ____ No ____

- 3. Where have you engaged in the construction business, or any other type of business, in the last five years?

<u>Name of Business</u>	<u>Location</u>	<u>Type of Business</u>	<u>Years in Business</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

If any of the business endeavors referred to above are no longer operating, or you are no longer associated with them, please give brief details:

4. The following surety companies may be contacted as references as to the financial responsibility and general reliability of the bidder:

Surety Name

Contact Person

Phone Number

I certify under penalty of perjury that the foregoing is true and correct. Executed at _____, California, on _____, 20____.

Signature of Bidder _____

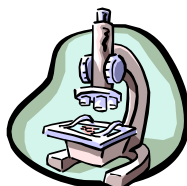
Name (*print*) _____

ASBESTOS SCIENCE TECHNOLOGIES, INC.

P.O. Box 505
Bangor, CA 95914
Phone (530) 518-0934
Email - astinc17@yahoo.com

**Old Library Building
7351 Tompkins Hill Road
Eureka, Ca 95501**

Asbestos clearance narrative report



Site – Old Library Building
Inspected – June 22 and 23, 2018

June 22 and 23, 2018

Address: 7351 Tompkin Hill Road in Eureka, Ca

:

On June 22 and 23, 2018, Laurie Warren, Certified Site Surveillance Technician OSHA # 12-4934 performed area sampling for an asbestos remediation project at the above location. She also performed area sampling in areas around the remediation area.

The area samples as well as the clearance samples fell below the EPA AHERA guidelines. Aggressive sampling was performed in both records room areas, No asbestos fibers were found in either records area. 1 asbestos fiber was found in a preliminary sample in the area where abatement was to be performed and 1 fiber was found in the clearance sample in the abatement area. This is still below the EPA AHERA guidelines for clearance.

Laurie Warren conducted sampling by using high volume sampling pumps. The samples were checked before and after for correct liters per minute using a rotometer as a calibration source.

The air samples for clearance for asbestos are below the EPA criteria of 70 structures per cubic centimeter analyzed under Transmission Electron Microscopy analysis. cubic centimeter and therefore have passed clearance.

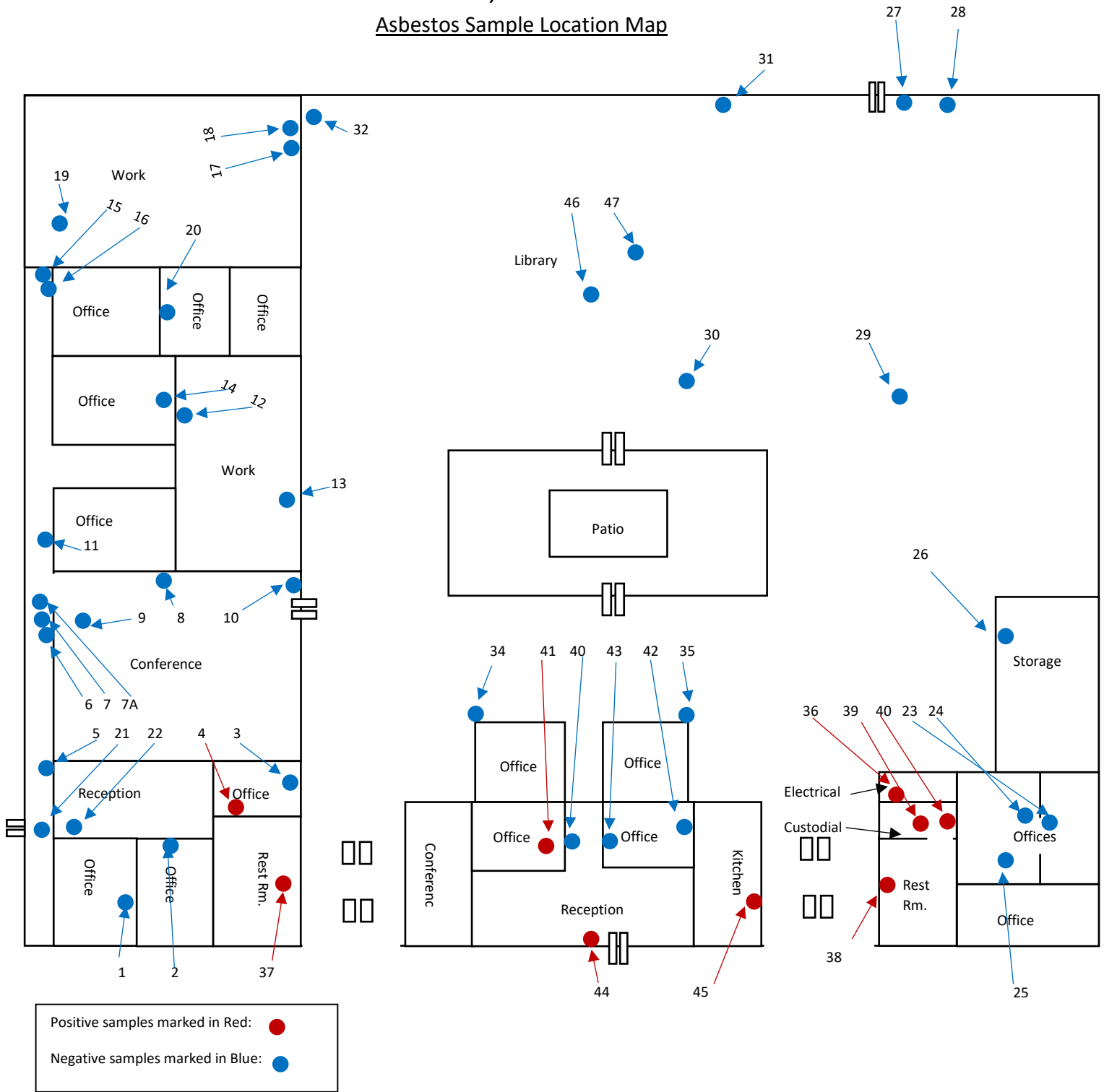
This sampling has been accomplished as requested.

Prepared by:

Floyd Warren

Floyd E. Warren Certified Asbestos Consultant OSHA #09-4590

College of the Redwoods
 7351 Tompkins Hill Rd.
 Eureka, Ca. 95501
Asbestos Sample Location Map



SUMMARY OF AHERA TEM RESULTS

TABLE I

Inside Samples

Project Name: College Of The Redwoods; Old Library, Records Rm E Project - SLG# 267046

McCall and Spero Project No: MSE-6278SLGA.2

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (l)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm ²)
I-1	1	NSD	NA	440	0.0093	BDL (0.0093)*	BDL (10.6)*
I-2	2	NSD	NA	440	0.0093	BDL (0.0093)*	BDL (10.6)*
I-3	3	NSD	NA	440	0.0093	BDL (0.0093)*	BDL (10.6)*

Filter Type: MCE

Filter diameter: 25mm

Effective filter Area: 385mm²

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm²

Grid Openings Analyzed Per Sample: 10

Area Analyzed Per Sample: 0.0940mm²

Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm³ and structures/mm² are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile

A = Amosite

BDL = Below Detectable Limit

F=Fiber

B=Bundle

C=Cluster

M=Matrix

NSD=No Structures Detected

SAED=Selected Area Electron Diffraction

EDS=Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

* Single fiber detection limits are used when no structures are detected.

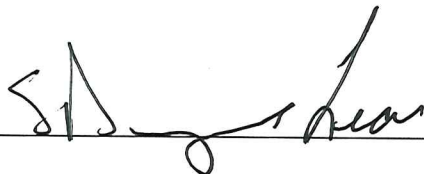
Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director: _____



Date: _____

6/27/18

SUMMARY OF AHERA TEM RESULTS

TABLE I

Inside Samples

Project Name: College Of The Redwoods; Old Library, Records Rm E Project - SLG# 267047

McCall and Spero Project No: MSE-6278SLGA.4

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (l)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm ²)
I-1	1	NSD	NA	600	0.0068	BDL (0.0068)*	BDL (10.6)*
I-2	2	NSD	NA	600	0.0068	BDL (0.0068)*	BDL (10.6)*
I-3	3	NSD	NA	600	0.0068	BDL (0.0068)*	BDL (10.6)*
I-4	4	NSD	NA	600	0.0068	BDL (0.0068)*	BDL (10.6)*
I-5	5	NSD	NA	600	0.0068	BDL (0.0068)*	BDL (10.6)*

Filter Type: MCE
 Filter diameter: 25mm
 Effective filter Area: 385mm²
 Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm²
 Grid Openings Analyzed Per Sample: 10
 Area Analyzed Per Sample: 0.0940mm²
 Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm³ and structures/mm² are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite BDL = Below Detectable Limit
 F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected
 SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

* Single fiber detection limits are used when no structures are detected.

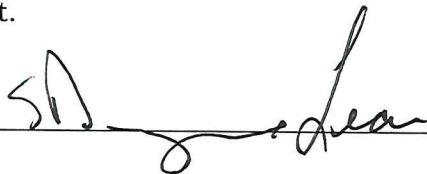
Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director: _____



Date: _____

6/27/18



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

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Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods	Special Instructions (include requests for special reporting or data packages)			
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Library - Records room - East				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* † <input checked="" type="checkbox"/> † business day* † <input type="checkbox"/> 2 business days* † <input type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † <small>* Not available for all tests</small> <small>A job received past 3PM † will begin its TAT the next business day</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input checked="" type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air	Asbestos in Bulk	Metals-Total
		<input type="checkbox"/> PCM (NIOSH 7400) <input checked="" type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Other	<input type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam <input type="checkbox"/>
		FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:		

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
1	6-23-18		Records Room			9:47	10:47	10	10	600
2	6-23-18		Records Room			9:48	10:48	10	10	600
3	6-23-18		Records Room			9:49	10:49	10	10	600
4	6-23-18		Records Room - Back hall			9:50	10:50	10	10	600
5	6-23-18		Records Room - Back hall			9:50	10:50	10	10	600

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]
 All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME Laurie Warren SIGNATURE <i>Laurie Warren</i> DATE / TIME 6-23-18	Relinquished to lab by NAME Laurie Warren SIGNATURE <i>Laurie Warren</i> DATE / TIME	For Lab Use:
Sample Disposal <input type="checkbox"/> Return to Sender (shipping fees) <input type="checkbox"/> Disposal by Lab (\$50 fee for excessive weight)		

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

SUMMARY OF AHERA TEM RESULTS

TABLE I

Inside Samples

Project Name: College Of The Redwoods; Old Library, Main Area Project - SLG# 267049

McCall and Spero Project No: MSE-6278SLGA.3

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm ²)
I-1	1CL	NSD	NA	800	0.0051	BDL (0.0051)*	BDL (10.6)*
I-2	2CL	1	A	800	0.0051	0.0051	10.6

Filter Type: MCE
Filter diameter: 25mm
Effective filter Area: 385mm²
Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm²
Grid Openings Analyzed Per Sample: 10
Area Analyzed Per Sample: 0.0940mm²
Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm³ and structures/mm² are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite BDL = Below Detectable Limit
F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected
SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry
s/mm² - asbestos structures per square millimeter
s/cc = asbestos structures per cubic centimeter
* Single fiber detection limits are used when no structures are detected.
Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director: _____

Handwritten signature in black ink, appearing to be "SD [unclear]".

Date: _____

6/27/18



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2512 West Cary Street, Richmond, Virginia 23220-5117
 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
 www.slabinco.com e-mail: info@slabinco.com

Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods	Special Instructions [include requests for special reporting or data packages]			
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Library - Main area - Clearance in containment				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day † <input checked="" type="checkbox"/> 1 business day* † <input type="checkbox"/> 2 business days* † <input type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † <small>* Not available for all tests A job received past 3PM † will begin its TAT the next business day Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input checked="" type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input checked="" type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) Other <input type="checkbox"/>	Asbestos in Bulk <input type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield)	Metals-Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
1CL	6-23-18		In Containment			9:01	10:21	10	10	420
2CL	6-23-18		In Containment			9:02	10:22	10	10	410

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min x flow in L/min]
 All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u>[Signature]</u> DATE / TIME <u>6-23-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u>[Signature]</u> DATE / TIME _____	For Lab Use: _____ _____ _____
--	---	--

Sample Disposal Return to Sender (shipping fees) Disposal by Lab (\$50 fee for excessive weight)
 * Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.

SUMMARY OF AHERA TEM RESULTS

TABLE I
Inside Samples

Project Name: College Of The Redwoods; Old Library, Main Area Project - SLG# 267050

McCall and Spero Project No: MSE-6278SLGA

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (l)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm ²)
I-1	Pre-1	NSD	NA	800	0.0051	BDL (0.0051)*	BDL (10.6)*
I-2	Pre-2	NSD	NA	800	0.0051	BDL (0.0051)*	BDL (10.6)*
I-3	Pre-3	NSD	NA	800	0.0051	BDL (0.0051)*	BDL (10.6)*
I-4	Pre-4	NSD	NA	750	0.0055	BDL (0.0055)*	BDL (10.6)*
I-5	Pre-5	NSD	NA	730	0.0056	BDL (0.0056)*	BDL (10.6)*

Filter Type: MCE
Filter diameter: 25mm
Effective filter Area: 385mm²
Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm²
Grid Openings Analyzed Per Sample: 10
Area Analyzed Per Sample: 0.0940mm²
Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm³ and structures/mm² are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite BDL = Below Detectable Limit
F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected
SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

* Single fiber detection limits are used when no structures are detected.

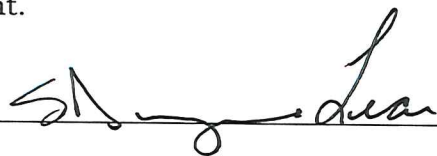
Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director: _____



Date: _____

6/27/18



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

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Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods		Special Instructions [include requests for special reporting or data packages]		
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Library - Main area				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day † <input checked="" type="checkbox"/> 1 business day † <input type="checkbox"/> 2 business days † <input type="checkbox"/> 3 business days † <input type="checkbox"/> 5 business days † <small>* Not available for all tests † A job received past 3PM will begin its TAT the next business day Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input checked="" type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input checked="" type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) Other <input type="checkbox"/>	Asbestos in Bulk <input type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield)	Metals-Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
Pre - 1	6-22-18		North			9:01	10:21	10	10	800
Pre - 2	6-22-18		North West			9:02	10:22	10	10	800
Pre - 3	6-22-18		West			9:03	10:23	10	10	800
Pre - 4	6-22-18		South			9:10	10:25	10	10	750
Pre - 5	6-22-18		East			9:13	10:26	10	10	730

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min x flow in L/min]
 All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u>[Signature]</u> DATE / TIME <u>6-22-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u>[Signature]</u> DATE / TIME _____	For Lab Use:
--	---	---------------------------------

Sample Disposal Return to Sender (shipping fees) Disposal by Lab (\$50 fee for excessive weight)
 * Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.

SUMMARY OF AHERA TEM RESULTS

TABLE I

Inside Samples

Project Name: College Of The Redwoods; Old Library, Main Area Project - SLG# 267051

McCall and Spero Project No: MSE-6278SLGA.5

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm ²)
I-1	1-Set-Up	1	CH	920	0.0045	0.0045	10.6
I-2	1AB	NSD	NA	930	0.0044	BDL (0.0044)*	BDL (10.6)*

Filter Type: MCE
Filter diameter: 25mm
Effective filter Area: 385mm²
Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm²
Grid Openings Analyzed Per Sample: 10
Area Analyzed Per Sample: 0.0940mm²
Non-Asbestos Debris: Non-Fibrous Debris

Notes:

The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm³ and structures/mm² are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite BDL = Below Detectable Limit
F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected
SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry
s/mm² - asbestos structures per square millimeter
s/cc = asbestos structures per cubic centimeter
* Single fiber detection limits are used when no structures are detected.
Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).
This laboratory is in compliance with the specified method.
Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director: SD [Signature] Date: 6/27/18

SUMMARY OF AHERA TEM RESULTS

TABLE I

Inside Samples

Project Name: College Of The Redwoods; Old Library, Records Rm W Project - SLG# 267052

McCall and Spero Project No: MSE-6278SLGA.1

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
I-1	1	NSD	NA	400	0.0102	BDL (0.0102)*	BDL (10.6)*
I-2	2	NSD	NA	400	0.0102	BDL (0.0102)*	BDL (10.6)*

Filter Type: MCE

Filter diameter: 25mm

Effective filter Area: 385mm²

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm²

Grid Openings Analyzed Per Sample: 10

Area Analyzed Per Sample: 0.0940mm²

Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm³ and structures/mm² are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite BDL = Below Detectable Limit
F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected
SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

* Single fiber detection limits are used when no structures are detected.

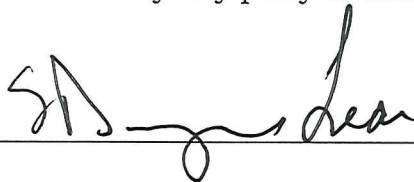
Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director: _____



Date: _____

6/27/18



SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117
 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
 www.slabin.com e-mail: info@slabin.com

267052

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UPS

6/26/2018 9:15:00 AM
1ZV8979Y136 3457578

Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods	Special Instructions [include requests for special reporting or data packages]			
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	0101 Library - Records room - West				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* † <input checked="" type="checkbox"/> 1 business day* † <input type="checkbox"/> 2 business days* † <input type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † * Not available for all tests † A job received past 3PM will begin its TAT the next business day Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input checked="" type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input checked="" type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Other	Asbestos in Bulk <input type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield)	Metals-Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
1	6-23-18		Records Room			2:15	2:55	10	10	400
2	6-23-18		Records Room			2:16	2:56	10	10	400

*Type: A=Area B=Blank P=Personal E=Excursion **Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min x flow in L/min]
 All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME Laurie Warren SIGNATURE <i>Laurie Warren</i> DATE / TIME 6-23-18	Relinquished to lab by NAME Laurie Warren SIGNATURE <i>Laurie Warren</i> DATE / TIME	For Lab Use:
Sample Disposal <input type="checkbox"/> Return to Sender (shipping fees) <input type="checkbox"/> Disposal by Lab (\$50 fee for excessive weight)		

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



Customer: Asbestos Science Technologies, Inc (4038)
Address: P.O. Box 505
Bangor, CA 95914

Order #: 267053

Received 06/26/18
Analyzed 06/28/18
Reported 06/29/18

Attn:

Project: College of the Redwoods
Location: 7351 Tompkins Hill Rd.
Number: Eureka, Ca. 95501

PO Number: Old Library

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
267053-001	06/23/18	1	Office		
Layer 1: Joint Compound White, Granular No sheetrock found.				None Detected	100% NON FIBROUS MATERIAL
267053-002	06/23/18	2	Office		
Layer 1: Base Cove Mastic Tan, Brittle				None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
267053-003	06/23/18	3	Office		
Layer 1: Ceiling Tile White/Tan, Fibrous				None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
267053-004	06/23/18	4	Office		
Layer 1: Sheetrock White, Powdery				None Detected	10% CELLULOSE FIBER 90% NON FIBROUS MATERIAL
Layer 2: Joint Compound Beige, Granular				2% CHRYSOTILE	98% NON FIBROUS MATERIAL
267053-005	06/23/18	5	Hall		
Layer 1: Sheetrock White, Powdery				None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
Layer 2: Joint Compound White, Granular				None Detected	100% NON FIBROUS MATERIAL
267053-006	06/23/18	6	Hall		
Layer 1: Base Cove Mastic Tan, Brittle				None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.

Project: College of the Redwoods
Location: 7351 Tompkins Hill Rd.
Number: Eureka, Ca. 95501

PO Number: Old Library

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
267053-007	06/23/18	7	Hall		
Layer 1:	Sheetrock			None Detected	2% CELLULOSE FIBER
	White, Powdery				98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-008	06/23/18	7A	Hall		
Layer 1:	Foam			None Detected	100% NON FIBROUS MATERIAL
	Gray, Foamy				
Layer 2:	Adhesive			None Detected	2% CELLULOSE FIBER
	Clear, Soft				98% NON FIBROUS MATERIAL
267053-009	06/23/18	8	Conference Rm.		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	White, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-010	06/23/18	9	Conference Rm.		
Layer 1:	Sheetrock			None Detected	2% CELLULOSE FIBER
	White, Powdery				98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-011	06/23/18	10	Conference Rm.		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	Light Pink, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-012	06/23/18	11	Hall		
Layer 1:	Wall Texture			None Detected	2% CELLULOSE FIBER
	White, Granular				98% NON FIBROUS MATERIAL
267053-013	06/23/18	12	7351 Tompkins Hill Rd.		
Layer 1:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.

Project: College of the Redwoods
Location: 7351 Tompkins Hill Rd.
Number: Eureka, Ca. 95501

PO Number: Old Library

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
267053-014	06/23/18	13	7351 Tompkins Hill Rd.		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	Light Pink, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Wall Texture			None Detected	2% CELLULOSE FIBER
	White, Granular				98% NON FIBROUS MATERIAL
267053-015	06/23/18	14	Office		
Layer 1:	Sheetrock			None Detected	2% CELLULOSE FIBER
	White, Powdery				98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-016	06/23/18	15	Hall		
Layer 1:	Wall Texture			None Detected	2% CELLULOSE FIBER
	White, Granular				98% NON FIBROUS MATERIAL
267053-017	06/23/18	16	Hall		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	White, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-018	06/23/18	17	7351 Tompkins Hill Rd.		
Layer 1:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
Layer 2:	Wall Texture			None Detected	2% CELLULOSE FIBER
	White, Granular				98% NON FIBROUS MATERIAL
267053-019	06/23/18	18	7351 Tompkins Hill Rd.		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	Light Pink, Powdery				90% NON FIBROUS MATERIAL
267053-020	06/23/18	19	7351 Tompkins Hill Rd.		
Layer 1:	Base Cove Mastic			None Detected	2% CELLULOSE FIBER
	Tan, Brittle				98% NON FIBROUS MATERIAL

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.

Project: College of the Redwoods
Location: 7351 Tompkins Hill Rd.
Number: Eureka, Ca. 95501

PO Number: Old Library

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
267053-021	06/23/18	20	Office		
Layer 1:	Sheetrock			None Detected	2% CELLULOSE FIBER
	White, Powdery				98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-022	06/23/18	21	Hall		
Layer 1:	Ceiling Tile			None Detected	65% CELLULOSE FIBER
	White/Beige, Fibrous				5% FOAMED GLASS
					20% MINERAL/GLASS WOOL
					10% NON FIBROUS MATERIAL
267053-023	06/23/18	22	Reception		
Layer 1:	Ceiling Tile			None Detected	65% CELLULOSE FIBER
	White/Beige, Fibrous				5% FOAMED GLASS
					20% MINERAL/GLASS WOOL
					10% NON FIBROUS MATERIAL
267053-024	06/23/18	23	Rm. 105A		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	White, Powdery				90% NON FIBROUS MATERIAL
267053-025	06/23/18	24	Rm. 105A		
Layer 1:	Foam			None Detected	100% NON FIBROUS MATERIAL
	Gray, Foamy				
Layer 2:	Glue			None Detected	2% CELLULOSE FIBER
	White, Brittle				98% NON FIBROUS MATERIAL
267053-026	06/23/18	25	Rm. 105A		
Layer 1:	Ceiling Tile			None Detected	90% MINERAL/GLASS WOOL
	White/Tan, Fibrous				10% NON FIBROUS MATERIAL
267053-027	06/23/18	26	Storage		
Layer 1:	Sheetrock			None Detected	2% CELLULOSE FIBER
	White, Powdery				98% NON FIBROUS MATERIAL
267053-028	06/23/18	27	Library		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	White, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.

Project: College of the Redwoods
Location: 7351 Tompkins Hill Rd.
Number: Eureka, Ca. 95501

PO Number: Old Library

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
267053-029	06/23/18	28	Library		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	White, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-030	06/23/18	29	Library		
Layer 1:	Glue			None Detected	2% CELLULOSE FIBER
	Brown, Brittle				98% NON FIBROUS MATERIAL
267053-031	06/23/18	30	Library		
Layer 1:	Glue			None Detected	2% CELLULOSE FIBER
	Brown, Brittle				98% NON FIBROUS MATERIAL
267053-032	06/23/18	31	Library		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	White, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-033	06/23/18	32	Library		
Layer 1:	Sheetrock			None Detected	2% CELLULOSE FIBER
	White, Powdery				98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
267053-034	06/23/18	33	Library		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	Light Pink, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Wall Texture			None Detected	2% CELLULOSE FIBER
	White, Granular				98% NON FIBROUS MATERIAL
267053-035	06/23/18	34	Hall		
Layer 1:	Joint Compound			None Detected	100% NON FIBROUS MATERIAL
	White, Granular				
	No sheetrock found.				

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.

Project: College of the Redwoods
Location: 7351 Tompkins Hill Rd.
Number: Eureka, Ca. 95501

PO Number: Old Library

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
267053-036	06/23/18	35	Hall		
Layer 1:	Joint Compound White, Granular No sheetrock found.			None Detected	100% NON FIBROUS MATERIAL
267053-037	06/23/18	36	Electrical		
Layer 1:	Joint Compound White/Beige, Granular No sheetrock found.			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
Unable to separate individual layers.					
267053-038	06/23/18	37	N.E. Restroom		
Layer 1:	Sheetrock White, Powdery			None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
267053-039	06/23/18	38	N.W. Restroom		
Layer 1:	Sheetrock White, Powdery			None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
267053-040	06/23/18	39	Custodial		
Layer 1:	Pipe Elbow Beige, Powdery			20% CHRYSOTILE	80% NON FIBROUS MATERIAL
267053-041	06/23/18	40	Hall		
Layer 1:	Sheetrock White, Powdery			None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
267053-042	06/23/18	41	Office		
Layer 1:	Sheetrock White, Powdery			None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular			2% CHRYSOTILE	98% NON FIBROUS MATERIAL

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.

Project: College of the Redwoods
Location: 7351 Tompkins Hill Rd.
Number: Eureka, Ca. 95501

PO Number: Old Library

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
267053-043	06/23/18	42	Office		
Layer 1:	Ceiling Tile			None Detected	90% CELLULOSE FIBER
	White/Tan, Fibrous				10% NON FIBROUS MATERIAL
267053-044	06/23/18	43	Office		
Layer 1:	Wall Texture			None Detected	2% CELLULOSE FIBER
	White, Granular				98% NON FIBROUS MATERIAL
267053-045	06/23/18	44	Reception		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	White, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
	Beige, Granular				
267053-046	06/23/18	45	Kitchen		
Layer 1:	Sheetrock			None Detected	10% CELLULOSE FIBER
	White, Powdery				90% NON FIBROUS MATERIAL
Layer 2:	Joint Compound			2% CHRYSOTILE	98% NON FIBROUS MATERIAL
	Beige, Granular				
267053-047	06/23/18	46	Library		
Layer 1:	Concrete			None Detected	100% NON FIBROUS MATERIAL
	Gray, Granular				
267053-048	06/23/18	47	Library		
Layer 1:	Concrete			None Detected	100% NON FIBROUS MATERIAL
	Gray, Granular				

EPA Regulatory Limit: 1%
Total layers analyzed on order: 72

267053-06/29/18 10:56 AM

Virginia Jones



Reviewed By: **Hind Eldanaf**
 Microscopy Supervisor

Analyst **Virginia Jones**

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.



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267053

S 48



V:267\267053

fghraizi
UPS

6/26/2018 9:15:00 AM
1ZV8979Y136 3457578

Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods	Special Instructions [include requests for special reporting or data packages]			
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Old Library				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day † <input type="checkbox"/> 1 business day* † <input type="checkbox"/> 2 business days* † <input checked="" type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † <small>* Not available for all tests</small> <small>A job received past 3PM † will begin its TAT the next business day</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air	Asbestos in Bulk	Metals-Total
		<input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) Other <input type="checkbox"/>	<input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam <input type="checkbox"/>
		FOR ASBESTOS AIR: TYPE OF RESPIRATOR _____ USED: _____		

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
1	6-23-18		Office - Sheetrock Joint comp.							
2	6-23-18		Office - Base cove mastic							
3	6-23-18		Office - Ceiling tile							
4	6-23-18		Office - Sheetrock - Joint comp.							
5	6-23-18		Hall - Sheetrock - Joint comp.							
6	6-23-18		Hall - Base cove mastic							
7	6-23-18		Hall - Sheetrock - Joint comp.							
7A	6-23-18		Hall - Carpet Adhesive							
8	6-23-18		Conference Rm.- Sheetrock - Joint Comp.							
9	6-23-18		Conference Rm. - Sheetrock - Joint comp.							

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u>Laurie Warren</u> DATE / TIME <u>6-23-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u>Laurie Warren</u> DATE / TIME _____	For Lab Use:
Sample Disposal <input type="checkbox"/> Return to Sender (shipping fees) <input type="checkbox"/> Disposal by Lab (\$50 fee for excessive weight)		

* Temperature taken with IR Gun A. **Required.

Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.



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 www.slabin.com e-mail: info@slabin.com

WO Label

Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods		Special Instructions [include requests for special reporting or data packages]		
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Old Library				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* † <input type="checkbox"/> 1 business day* † <input type="checkbox"/> 2 business days* † <input checked="" type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † <small>* Not available for all tests</small> <small>A job received past 3PM † will begin its TAT the next business day</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air	Asbestos in Bulk	Metals-Total
		<input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) Other <input type="checkbox"/>	<input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam <input type="checkbox"/>
		FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:		

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
10	6-23-18		Conference Rm. - Sheetrock Joint comp.							
11	6-23-18		Hall - Wall texture							
12	6-23-18		Joint comp.							
13	6-23-18		Sheetrock - Wall texture							
14	6-23-18		Office - Sheetrock - Joint comp.							
15	6-23-18		Hall - Wall texture							
16	6-23-18		Hall - Sheetrock - Joint comp.							
17	6-23-18		Wall texture - Joint comp.							
18	6-23-18		Sheetrock							
19	6-23-18		Base cove mastic							

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]
 All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u><i>Laurie Warren</i></u> DATE / TIME <u>6-23-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u><i>Laurie Warren</i></u> DATE / TIME _____	For Lab Use:
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Sample Disposal Return to Sender (shipping fees) Disposal by Lab (\$50 fee for excessive weight)
 * Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.



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WO Label

Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods	Special Instructions [include requests for special reporting or data packages]			
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Old Library				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* † <input type="checkbox"/> 1 business day* † <input type="checkbox"/> 2 business days* † <input checked="" type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † <small>* Not available for all tests</small> <small>A job received past 3PM † will begin its TAT the next business day</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air	Asbestos in Bulk	Metals-Total
		<input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) Other <input type="checkbox"/>	<input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam <input type="checkbox"/>
		FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:		

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
20	6-23-18		Office - Sheetrock Joint comp.							
21	6-23-18		Hall - Ceiling tile							
22	6-23-18		Reception - Ceiling tile							
23	6-23-18		Rm. 105A - Sheetrock							
24	6-23-18		Rm. 105A - Carpet glue							
25	6-23-18		Rm. 105A - Ceiling tile							
26	6-23-18		Storage - Sheetrock							
27	6-23-18		Library - Sheetrock - Joint comp.							
28	6-23-18		Library - Sheetrock - Joint comp.							
29	6-23-18		Library - Carpet glue							

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]
 All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u><i>Laurie Warren</i></u> DATE / TIME <u>6-23-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u><i>Laurie Warren</i></u> DATE / TIME _____	For Lab Use:
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 www.slabin.com e-mail: info@slabin.com

WO Label

Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods	Special Instructions [include requests for special reporting or data packages]			
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Old Library				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* † <input type="checkbox"/> 1 business day* † <input type="checkbox"/> 2 business days* † <input checked="" type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † <small>* Not available for all tests</small> <small>A job received past 3PM † will begin its TAT the next business day</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II)		Asbestos in Bulk <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield)
		Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500)		Metals-Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLF <input type="checkbox"/> TCLF / Lead <input type="checkbox"/> TCLF / RCRA Metals <input type="checkbox"/> TCLF / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam
		Other <input type="checkbox"/>		FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
30	6-23-18		Library - Carpet glue							
31	6-23-18		Library - Sheetrock - Joint comp.							
32	6-23-18		Library - Sheetrock - Joint comp.							
33	6-23-18		Library - Sheetrock - Wall texture							
34	6-23-18		Hall - Sheetrock - Joint comp.							
35	6-23-18		Hall - Sheetrock - Joint comp.							
36	6-23-18		Electrical - Sheetrock - Joint comp.							
37	6-23-18		N.E. Restroom - Sheetrock - Joint comp.							
38	6-23-18		N.W. Restroom - Sheetrock - Joint comp.							
39	6-23-18		Custodial - Pipe elbow							

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]
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Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u>Laurie Warren</u> DATE / TIME <u>6-23-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u>Laurie Warren</u> DATE / TIME _____	For Lab Use:
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Sample Disposal Return to Sender (shipping fees) Disposal by Lab (\$50 fee for excessive weight)
 * Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.



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WO Label

Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods	Special Instructions (include requests for special reporting or data packages)			
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Old Library				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* † <input type="checkbox"/> 1 business day* † <input type="checkbox"/> 2 business days* † <input checked="" type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † * Not available for all tests A job received past 3PM † will begin its TAT the next business day Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II)	Asbestos in Bulk <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield)	Metals-Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day
		Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500)	<input type="checkbox"/> FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
40	6-23-18		Hall - Sheetrock - Joint comp.							
41	6-23-18		Office - Sheetrock - Joint comp.							
42	6-23-18		Office - Ceiling tile							
43	6-23-18		Office - Wall texture							
44	6-23-18		Reception - Sheetrock - Joint comp.							
45	6-23-18		Kitchen - Sheetrock - Joint comp.							
46	6-23-18		Library - Interior concrete							
47	6-23-18		Library - Interior concrete							

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]
 All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u>[Signature]</u> DATE / TIME <u>6-23-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u>[Signature]</u> DATE / TIME _____	For Lab Use:
--	---	---------------------------------

Sample Disposal Return to Sender (shipping fees) Disposal by Lab (\$50 fee for excessive weight)
 *Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.



Customer: Asbestos Science Technologies, Inc (4038)
Address: P.O. Box 505
Bangor, CA 95914

Order #: 268411

Received 07/03/18
Analyzed 07/03/18
Reported 07/03/18

Attn:

Project: College of the Redwoods
Location: 7351 Tompkins Hill Rd
Number: Eureka, CA. 95501

PO Number: Life Science Building

Method: EPA 600/R-93/116 & 600/M4-82-020 with Point Count

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
268411-001	06/22/18	3	Utility 101A		
Layer 1: Joint Compound Beige, Granular, Homogenous				0.50% CHRYSOTILE	99.50% NON FIBROUS MATERIAL
268411-002	06/22/18	23	Lecture Rm		
Layer 1: Joint Compound Beige, Granular, Homogenous				0.75% CHRYSOTILE	99.25% NON FIBROUS MATERIAL

EPA Regulatory Limit: 1%
Total layers analyzed on order: 2

268411-07/03/18 04:12 PM

Analyst **Mohammed Hashim**

Reviewed By: **Virginia Jones**
Analyst

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. The test results reported relate only to the samples submitted.



SCHNEIDER LABORATORIES GLOBAL, INC.

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 U.S. Mail

Submitting Co.	Asbestos Science Technologies, Inc.	Lab WO#		Phone	530-518-0934
	P.O. Box 505	Acct#	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95814	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name:	College of the Redwoods	Special Instructions (include requests for special reporting or data packages)			
Project Location:	7351 Tompkins Hill Rd.				
Project Number:	Eureka, Ca. 95501				
PO Number:	Life Science Building				

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day † <input type="checkbox"/> 1 business day † <input type="checkbox"/> 2 business days* † <input checked="" type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † <small>* Not available for all tests † A job received past 3PM will begin its TAT the next business day Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air	Asbestos in Bulk	Metals-Total
		<input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Other	<input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield)	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam
		FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:		

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp *	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
1	6-22-18		Office 101 - Sheetrock							
2	6-22-18		Office 101 - Joint comp.							
3	6-22-18		Utility 101A- Sheetrock - Joint comp.							
4	6-22-18		Office 101 - Base cove mastic							
5	6-22-18		Carpet glue							
6	6-22-18		Restroom 103- Sheetrock - Joint comp.							
7	6-22-18		Restroom 104 - Sheetrock - Joint comp.							
8	6-22-18		Custodial 105 - Sheetrock - Joint comp.							
9	6-22-18		Custodial 105 - Concrete							
10	6-22-18		Exterior stairs - Concrete							

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]
 All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u>[Signature]</u> DATE / TIME <u>6-22-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u>[Signature]</u> DATE / TIME _____	For Lab Use:
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Sample Disposal Return to Sender (shipping fees) Disposal by Lab (\$50 fee for excessive weight)
 * Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.



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WO Label

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	P.O. Box 505	Acct #	4038	Fax / Email	astinc17@yahoo.com
	Bangor, Ca. 95914	**State of Collection		**Cert. Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
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		FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:		

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp.*	Time ³		Flow Rate ⁴		Total ⁴ Air
						Start	Stop	Start	Stop	
31	6-22-18		Classroom 108 - Sheetrock							
32	6-22-18		Classroom 108 - Ceiling tile							
33	6-22-18		Supply Rm. 111 - Sheetrock Joint comp.							
34	6-22-18		Classroom 112 - Sheetrock - Joint comp.							
35	6-22-18		Classroom 113 - Wall notice Board glue puck							
36	6-22-18		Classroom 113 - Sheetrock - Joint comp.							
37	6-22-18		Classroom 113 - Layered dust on counter							
38	6-22-18		Classroom 107 - Chalk Board							
39	6-22-18		Supply Rm. 107 - Sheetrock - Joint comp.							
40	6-22-18		Supply Rm. 111 - Concrete							

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Sampled by NAME <u>Laurie Warren</u> SIGNATURE <u>Laurie Warren</u> DATE / TIME <u>6-22-18</u>	Relinquished to lab by NAME <u>Laurie Warren</u> SIGNATURE <u>Laurie Warren</u> DATE / TIME _____	For Lab Use:
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Sample Disposal Return to Sender (shipping fees) Disposal by Lab (\$50 fee for excessive weight)

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