

ARKANSAS STATE HIGHWAY COMMISSION
ARDOT - EQUIPMENT AND PROCUREMENT DIVISION
BID INVITATION

Bid Number: M-19-036P

BID OPENING LOCATION:
ARDOT Equipment and
Procurement Division
11302 W. Baseline Road
Little Rock, AR 72209

MAIL TO:
ARDOT Equipment and
Procurement Division
P.O. Box 2261
Little Rock, AR 72203

DELIVER TO:
ARDOT Equipment and
Procurement Division
11302 W. Baseline Road
Little Rock, AR 72209

Bid Opening Date: March 12, 2019 Time: 11:00 a.m.

Sealed bids for furnishing the commodities and/or services described below, subject to the Standard Bid Conditions of this Bid Invitation will be received at the above-noted mail and delivery locations until the above-noted bid opening date and time, and then publicly opened at the above-noted bid opening location. **Bids must be submitted on this form, with attachments when appropriate, or bids will be rejected. Late bids and unsigned bids will not be considered.**

In compliance with this Bid Invitation and subject to all the Conditions thereof, the undersigned offers and agrees to furnish any and all items upon which prices are quoted, at the price set opposite each item.

Company Name: _____

Name (Type or Print): _____

Address: _____

Title: _____

Phone: _____ Fax: _____

City: _____ State: _____ Zip: _____

E-mail Address: _____

Federal Tax ID or Social Security No.: _____

Signature: _____

Signature must be legible, original (not photocopied) and in ink.
Unsigned bids will be rejected.

1. Asbestos Abatement and Demolition located at Fleetwood Drive – Hwy. 227, Route 270, Section 5, Garland County; as per attached work list for Tracks 40X, 44X, 59X & 61X – Job CA0607

To meet the requirements of Arkansas Department of Transportation Specifications and Drawings attached to and made a part of this bid.

LUMP SUM _____

Tracts **must** be priced individually as listed on the Work List but bid will be awarded by the Lump Sum.

Additional tracts and/or structures may be added to this contract from this job.

Pricing for Additional Pay Items is requested on Page 2.

(Additional pay item pricing will be on an as needed basis and does not obligate the Department to award any additional tracts.)

PLEASE NOTATE THE MAILING AND DELIVERY LOCATIONS ABOVE TO ENSURE THE BID ARRIVES AT THE CORRECT LOCATION AND PRIOR TO TIME OF BID OPENING.

Contact for Technical Information: Connie Skinner, Property Manager (501-569-2317)

Contacts for Bidding Information: Danny Keene (501-569-2674) or Chicita Pate (501-569-2675)

All bidders should complete and return the Eligible Bidder Certification (Attachment A), Disclosure Form (see Page 2 of Standard Bid Conditions – Item 18), Restriction of Boycott of Israel Certification and Illegal Immigrant Certification (see Page 2 of Standard Bid Conditions – Item 17) issued with this bid.

Bid price shall include all labor, materials, and equipment necessary to perform the work as specified, and shall further include all licenses, fees, permits, royalties, and all taxes. Bid price shall represent full compensation for completion of the work. This provision supersedes Condition 5 on page 1 of Standard Bid Conditions. Payment will be made in accordance with Arkansas Department of Transportation Standard Specifications and Applicable Special Provisions.

Bid Bond in the amount of \$1000.00 required of all bidders at time of bid opening or bid will be rejected. **Personal and company checks are not acceptable as Bid Bonds.** See Condition 4 on page 1 of Standard Bid Conditions.

Performance Bond only (no checks of any kind allowed) in the amount of 100% of total bid price will be required of successful bidder prior to providing goods/services. See Condition 4 on page 1 of Standard Bid Conditions.

Bids and Specifications are available on-line by going to the ARDOT Web Site – www.ardot.gov and clicking on “Commodities and Services Bids/Contracts Information”. Tabulations will also be available at this site after award of bid/contract. If you have any questions, call this office at 501-569-2667.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARKANSAS
ARDOT - EQUIPMENT & PROCUREMENT DIVISION

Bid No. M-19-036P

Page 2

BIDDER: _____

Items have been listed below in the event that the contractor discovers “additional or hidden items”. EACH ITEM MUST HAVE AN AMOUNT LISTED BESIDE IT. Bids that have not been completely filled out may be rejected.

This document must be completed and returned with bid and becomes a part of the contract.

ITEM NO.	DESCRIPTION	AMOUNT
1.	Asbestos Abatement	\$_____ Square Foot
2.	Demolition	\$_____ Square Foot
3.	Foundation	\$_____ Linear Foot
4.	Foundation Slab	\$_____ Square Foot
5.	Cap Well	\$_____ Each
6.	Remove Septic System	\$_____ Each
7.	Fencing	\$_____ Linear Foot
8.	Basement	\$_____ Square Foot

ARDOT - STANDARD BID CONDITIONS

1. **GENERAL:** Any special terms and conditions included in the invitation for bid override these standard terms and conditions. The standard terms and conditions and any special terms and conditions become part of any contract entered into if any or all parts of the bid are accepted by the Arkansas Department of Transportation (ARDOT).
2. **ACCEPTANCE AND REJECTION:** ARDOT reserves the right to reject any or all bids, to accept bids in whole or in part (unless otherwise indicated by bidder), to waive any informalities in bids received, to accept bids on materials or equipment with variations from specifications where efficiency of operation will not be impaired, and to award bids to best serve the interest of the State.
3. **PRICES:** Unless otherwise stated in the Bid Invitation, the following will apply: (1) unit prices shall be bid, (2) prices should be stated in units of quantity specified (feet, each, lbs., etc.), (3) prices must be F.O.B. destination specified in bid, (4) prices must be firm and not subject to escalation, (5) bid must be firm for acceptance for 30 days from bid opening date. In case of errors in extension, unit prices shall govern. Discounts from bid price will not be considered in making awards.
4. **BID BONDS AND PERFORMANCE BONDS:** If required, a **Bid Bond** in the form of a cashier's check, certified check, or surety bond issued by a surety company, in an amount stated in the Bid Invitation, must accompany bid. **Personal and company checks are not acceptable as Bid Bonds.** Failure to submit a Bid Bond as required will cause a bid to be rejected. The Bid Bond will be forfeited as liquidated damages if the successful bidder fails to provide a required Performance Bond within the period stipulated by ARDOT or fails to honor their bid. When a bidder claims and can show clear and convincing evidence that a material mistake was made in the bid and was not the bid intended, the bidder may be permitted to withdraw their bid prior to award without forfeiture of bid bond. Cashier's checks and certified checks submitted as Bid Bonds will be returned to unsuccessful bidders; surety bonds will be retained. The successful bidder will be required to furnish a **Performance Bond** in an amount stated in the Bid Invitation and in the form of a cashier's check, certified check, or surety bond issued by a surety company, unless otherwise stated in the Bid Invitation, as a guarantee of delivery of goods/services in accordance with the specifications and within the time established in the bid. **Personal and company checks are not acceptable as Performance Bonds.** In some cases, a cashier's check or certified check submitted as a Bid Bond will be held as the Performance Bond of the successful bidder. Cashier's checks or certified checks submitted as Performance Bonds will be refunded shortly after payment has been made to the successful bidder for completion of all terms of the bid; surety bonds will be retained. Surety bonds must be issued by a surety company that is authorized to do business in the State of Arkansas and that is listed on the current United States Department of the Treasury Listing of Approved Sureties. Surety bonds must be executed by a resident or non-resident agent who is licensed by the Arkansas State Insurance Commissioner to represent the surety company executing the bond, and the resident or non-resident agent shall file with the bond the power of attorney of the agent to act on behalf of the bonding company. Certain bids involving labor will require Performance Bonds in the form of surety bonds only (no checks of any kind allowed). These bonds shall not only serve to guarantee the completion of the work, but also to guarantee the excellence of both workmanship and material until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions fulfilled. In such cases, the company issuing the surety bond must comply with all stipulations herein and must be named in the U. S. Treasury listing of companies holding Certificates of Authority as acceptable sureties on Federal Bonds and as acceptable reinsuring companies. Any excess between the face amount of the bond and the underwriting limitation of the bonding company shall be protected by reinsurance provided by an acceptable reinsuring company. Annual Bid and Performance Bonds on file with E & P Division must have sufficient unencumbered funds to meet current bonding requirements, or the bid will be rejected, unless the balance is submitted as set forth above, prior to bid opening.
5. **TAXES:** The ARDOT is not exempt from Arkansas State Sales and Use Taxes, or local option city/county sales taxes, when applicable, and bidders are responsible to the State Revenue Department for such taxes. These taxes should not be included in bid prices, but where required by law, will be paid by the ARDOT as an addition thereto, and should be added to the billing to the ARDOT. The ARDOT is exempt from Federal Excise Taxes on all commodities except motor fuels; and excise taxes should not be included in bid prices except for motor fuels. Where applicable, tax exemption certificates will be furnished by the ARDOT.
6. **"ALL OR NONE" BIDS:** Bidders who wish to bid "All or None" on two or more items shall so stipulate on the face of bid sheet; otherwise, bid may be awarded on an individual item basis.
7. **SPECIFICATIONS:** Complete specifications should be attached for any substitution or alternate offered, or where amplification is necessary. Bidder's name must be placed on all attachments to the bid.
8. **EXCEPTIONS TO SPECIFICATIONS:** Any exceptions to the bid specifications must be stated in the bid. Any exceptions to manufacturer's published literature must be stated in the bid, or it will be assumed that bidder is bidding exactly as stated in the literature.
9. **BRAND NAME REFERENCES:** All brand name references in bid specifications refer to that commodity or its equivalent, unless otherwise stated in Bid Invitation. Bidder should state brand or trade name of item being bid, if such name exists.
10. **FREIGHT:** All freight charges should be included in bid price. Any change in common carrier rates authorized by the Interstate Commerce Commission will be adjusted if such change occurs after the bid opening date. Receipted common carrier bills that reflect ICC authorized rate changes must be furnished.

11. **SAMPLES, LITERATURE, DEMONSTRATIONS:** Samples and technical literature must be provided free of any charge within 14 days of ARDOT request, and free demonstrations within 30 days, unless ARDOT extends time. Failure to provide as requested within this period may cause bid to be rejected. Samples, literature and demonstrations must be substantially the same as the item(s) being bid, unless otherwise agreed to by ARDOT. Samples that are not destroyed will be returned upon request at bidders expense. Samples from successful bidders may be retained for comparison with items actually furnished.
12. **GUARANTY:** Unless otherwise indicated in Bid Invitation, it is understood and agreed that any item offered or shipped on this bid shall be newly manufactured, latest model and design, and in first class condition; and that all containers shall be new, suitable for storage or shipment and in compliance with all applicable laws relating to construction, packaging, labeling and registration.
13. **BACKORDERS OR DELAY IN DELIVERY:** Backorders or failure to deliver within the time required may constitute default. Vendor must give written notice to the ARDOT, as soon as possible, of the reason for any delay and the expected delivery date. The ARDOT has the right to extend delivery if reasons appear valid. If reason or delivery date is not acceptable, vendor is in default.
14. **DEFAULT:** All commodities furnished will be subject to inspection and acceptance by ARDOT after delivery. Default in promised delivery or failure to meet specifications authorizes the ARDOT to cancel award or any portion of same, to reasonably purchase commodities or services elsewhere and to charge full increase, if any, in cost and handling to defaulting vendor. Applicable bonds may be forfeited.
15. **ETHICS:** *"It shall be a breach of ethical standards for a person to be retained, or to retain a person, to solicit or secure a State contract upon an agreement of understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies maintained by the contractor for the purpose of securing business."* (Arkansas Code, Annotated, Section 19-11-708).
16. **NOTICE OF NONDISCRIMINATION:** The Arkansas State Highway Commission, through ARDOT, complies with all civil rights provisions of federal statutes and related authorities that prohibit discrimination in programs and activities receiving federal financial assistance. Therefore, ARDOT does not discriminate on the basis of race, sex, color, age, national origin, religion (not applicable as a protected group under the Federal Motor Carrier Safety Administration Title VI Program), disability, Limited English Proficiency (LEP), or low-income status in the admission, access to and treatment in the ARDOT's programs and activities, as well as the ARDOT's hiring or employment practices. Complaints of alleged discrimination and inquiries regarding the ARDOT's nondiscrimination policies may be directed to Joanna P. McFadden Section Head – EEO/DBE (ADA/504/Title VI Coordinator), P. O. Box 2261, Little Rock, AR 72203, (501)569-2298, (Voice/TTY 711), or the following email address: joanna.mcfadden@ardot.gov. Free language assistance for Limited English Proficient individuals is available upon request. This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.
17. **PROHIBITION OF EMPLOYMENT OF ILLEGAL IMMIGRANTS:** Pursuant to Arkansas Code Annotated 19-11-105, all bidders must certify prior to award of a contract that they **do not** employ or contract with any illegal immigrant(s) in its contract with the state.
18. **DISCLOSURE:** Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that order, **shall** be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy **shall** be subject to all legal remedies available to the agency.

ATTACHMENT A

ELIGIBLE BIDDER CERTIFICATION

The Bidder represents and warrants for itself, its employees and its subcontractors and certifies they:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this Bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph two (2) of this Certification;
4. Have not within a one-year period preceding this application/Bid had one or more public transactions (Federal, State, or local) terminated for cause or default; and

The Bidder represents, warrants and acknowledges the understanding that restrictions placed on the employment of labor or on the scale of pay for the work on a contract will be the requirements of the Fair Labor Standards Act (Federal Wage-Hour Law) of 1938, 28 USC §201 et seq., and other applicable labor laws.

The person executing this Certification further represents, warrants and affirms the truthfulness and accuracy of the contents of the statements submitted on or with this Certification and understands that the provisions of 31 USC §3801 et seq. are applicable thereto.

BIDDER NAME

BY: _____

Signature

TITLE: _____

CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM

Failure to complete all of the following information may result in a delay in obtaining a contract, lease, purchase agreement, or grant award with any Arkansas State Agency.

SUBCONTRACTOR: _____ SUBCONTRACTOR NAME: _____

Yes No

IS THIS FOR:

TAXPAYER ID NAME: Goods? Services? Both?

YOUR LAST NAME: _____ FIRST NAME: _____ M.I.: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____ COUNTY: _____

AS A CONDITION OF OBTAINING, EXTENDING, AMENDING, OR RENEWING A CONTRACT, LEASE, PURCHASE AGREEMENT, OR GRANT AWARD WITH ANY ARKANSAS STATE AGENCY, THE FOLLOWING INFORMATION MUST BE DISCLOSED:

FOR INDIVIDUALS*

Indicate below if: you, your spouse or the brother, sister, parent, or child of you or your spouse is a current or former: member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee:

Position Held	Mark (✓)		Name of Position of Job Held <small>(senator, representative, name of board/ commission, data entry, etc.)</small>	For How Long?		What is the person(s) name and how are they related to you? <small>(i.e., Jane Q. Public, spouse, John Q. Public, Jr., child, etc.)</small>	
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Relation
General Assembly							
Constitutional Officer							
State Board or Commission Member							
State Employee							

None of the above applies

FOR AN ENTITY (BUSINESS)*

Indicate below If any of the following persons, current or former, hold any position of control or hold any ownership interest of 10% or greater in the entity: member of the General Assembly, Constitutional Officer, State Board or Commission Member, State Employee, or the spouse, brother, sister, parent, or child of a member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee. Position of control means the power to direct the purchasing policies or influence the management of the entity.

Position Held	Mark (✓)		Name of Position of Job Held <small>(senator, representative, name of board/ commission, data entry, etc.)</small>	For How Long?		What is the person(s) name and what is his/her % of ownership interest and/or what is his/her position of control?		
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Ownership Interest (%)	Position of Control
General Assembly								
Constitutional Officer								
State Board or Commission Member								
State Employee								

None of the above applies

Contract and Grant Disclosure and Certification Form

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the agency.

As an additional condition of obtaining, extending, amending, or renewing a contract with a state agency I agree as follows:

1. Prior to entering into any agreement with any subcontractor, prior or subsequent to the contract date, I will require the subcontractor to complete a **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM**. Subcontractor shall mean any person or entity with whom I enter an agreement whereby I assign or otherwise delegate to the person or entity, for consideration, all, or any part, of the performance required of me under the terms of my contract with the state agency.

2. I will include the following language as a part of any agreement with a subcontractor:

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this subcontract. The party who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the contractor.

3. No later than ten (10) days after entering into any agreement with a subcontractor, whether prior or subsequent to the contract date, I will mail a copy of the **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM** completed by the subcontractor and a statement containing the dollar amount of the subcontract to the state agency.

Signature _____	Title _____	Date _____
Vendor Contact Person _____	Title _____	Phone No. _____

Agency Use Only				
Agency Number _____	Agency Name _____	Agency Contact Person _____	Contact Phone No. _____	Contract or Grant No. _____

RESTRICTION OF BOYCOTT OF ISRAEL CERTIFICATION

Pursuant to Arkansas Code Annotated § 25-1-503, a public entity **shall not** enter into a contract valued at \$1,000 or greater with a company unless the contract includes a written certification that the person or company is not currently engaged in, and agrees for the duration of the contract not to engage in, a boycott of Israel.

By signing below, the Contractor agrees and certifies that they do not currently boycott Israel and will not boycott Israel during any time in which they are entering into, or while in contract, with any public entity as defined in § 25-1-503* If at any time after signing this certification the contractor decides to engage in a boycott of Israel, the contractor must notify the contracting public entity in writing.

If a company does boycott Israel, see Arkansas Code Annotated § 25-1-503.

Name of public entity	Arkansas Department of Transportation
Description of product or service	Asbestos Abatement and Demolition – Garland Co.
Contractor name	

Contractor Signature: _____ Date: _____
Signature must be hand written, in ink

“Public Entity” means the State of Arkansas, or a political subdivision of the state, including all boards, commissions, agencies, institutions, authorities, and bodies politic and corporate of the state, created by or in accordance with state law or regulations, and does include colleges, universities, a statewide public employee retirement system, and institutions in Arkansas as well as units of local and municipal government.

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ILLEGAL IMMIGRANT CERTIFICATION

Pursuant to Arkansas Code Annotated § 19-11-105, Contractor(s) **shall** certify with OSP that they do not employ or contract with illegal immigrants.

By signing below, the Contractor agrees and certifies that they do not employ illegal immigrants and will not employ illegal immigrants during the remaining aggregate term of the contract.

Bid Number/Contract Number	M-19-036P
AASIS Number	N/A
Description	Asbestos Abatement and Demolition – Garland County
Contractor name	

Contractor Signature: _____
Signature must be hand written, in ink

Date: _____

**ARKANSAS DEPARTMENT OF TRANSPORTATION
PROPERTY MANAGEMENT
BID FOR ASBESTOS ABATEMENT AND DEMOLITION**

**Job Number: CA0607
Job Name: Fleetwood Dr – Hwy. 227
Route 270 Section 5
Garland County
Tracts 40X, 44X, 59X & 61X**

Notice is hereby given that the Arkansas Department of Transportation (ARDOT) will offer by bid the following asbestos abatement and demolition contract. Work must be **completed fifty (50) days after issuance of the work order:**

SEE ATTACHED WORK LIST AND SKETCHES

All square footage and items listed on the Work List are *estimates* of work to be completed. Determination of the extent of work necessary for complete removal of the structures is strictly the responsibility of the bidder. Bid price shall reflect actual quantity of material to be removed. Bidders are strongly encouraged to inspect the premises prior to bidding to verify the quantity.

The contractor shall comply with all local, state and federal laws associated with this work.

Scope of Work: All structures must be completely removed, including: slabs, footings, foundations, private walkways, driveways, decks, basements, posts, poles, fences within Proposed Right of Way, along with all debris. Basements, pools, storm shelters (if applicable) shall be removed and the void backfilled with suitable soil material and left level with the surrounding area. Septic tanks (if applicable) will be pumped empty, completely removed, and the void backfilled with suitable material and left level with the surrounding area. Water wells (if applicable) shall have all equipment removed and casing securely capped for safety in accordance with Arkansas Water Well Construction Commission regulations. The contractor will clear all combustible materials, construction material, and all other rubbish, including shrubbery and trees which are cut or uprooted to facilitate operations, from the premises. The contractor shall endeavor to avoid unnecessary damage or destruction of trees, shrubs, and plants. Contractor will not leave any ruts or large pieces of debris on this job site. All debris found in the right of way must be disposed of in an Arkansas Department of Environmental Quality (ADEQ) approved landfill.

Contractor Responsible for Utilities: Contractor must call Arkansas ONE CALL for location of utilities at this job site. In the event that utility service lines are disconnected, destroyed or otherwise impaired in any way by reason of performance of this operation by the contractor, the contractor, at contractor's expense, will provide adequate substitute utility service in lieu of those affected.

Asbestos:

Prior to demolition, Contractor will remove all Asbestos Containing Material (ACM) and Asbestos Containing Building Material (ACBM) from the structures to be demolished.

Asbestos inspection report(s) are attached for the structure(s) to be demolished.

The asbestos inspection report(s) indicate that asbestos is present is not present.

In the event asbestos is discovered during demolition, asbestos abatement is included in the 'additional items' section. Unit prices for asbestos abatement must be included, even if the attached inspection reports do not indicate the presence of asbestos containing materials.

All removal of ACM and ACBM performed under this contract shall be in compliance with all local, state, and federal laws and regulations relative to this work including the Asbestos Abatement Regulation, Regulation 21, promulgated by the ADEQ, and by the Environmental Protection Agency. The contractor shall comply with all notification, record keeping, work procedure, containerization, storage, transportation, disposal and licensing requirements of the Arkansas Asbestos Abatement Regulations and applicable Occupational Safety and Health Administration (OSHA) worker protection requirements (29 CFR 1910 – Respiratory protection). Disposal and record keeping requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 CFR 61 Subpart M) shall also be incorporated into the project design of the asbestos abatement contractor.

The removal of ACM and/or ACBM must be conducted by a licensed asbestos contractor and by trained asbestos abatement workers as required by ADEQ. All appropriate worker protection rules for the removal of ACM and ACBM shall apply as per OSHA and ADEQ regulations.

Disposal of asbestos waste material and construction debris shall be at a landfill permitted by the ADEQ or at an unpermitted site approved by ADEQ.

All records of the work performed and the disposal at an approved landfill (including the disposal receipt) shall be provided to ARDOT within three (3) working days of the completion of the contracted work. Work will not be accepted and payment will not be made for asbestos abatement work until all records have been received. Liquidated damages, default of contract, and forfeiture of bond as stipulated below will apply.

Asbestos Disclaimer:

Samples were collected from materials identified as Homogeneous Materials based upon visual inspection of the site. ARDOT is not responsible for assumptions on homogeneity which prove to be incorrect. In addition, samples collected represent only that portion of the entire homogeneous material. ARDOT is not responsible for materials not identified and sampled due to the restraints on accessibility of the material due to the type of construction and finish materials of the building. This report refers to the Site and Facility as it appeared on the day of the inspection. No warranties, expressed or implied, relate to the previous and or future conditions at the Site.

Analyses were performed by Crisp Analytical Laboratories, L.L.C., Carrollton, TX and EMC Labs, Inc. of Phoenix, AZ. Crisp Analytical Laboratories, L.L.C. is solely responsible for all analytical results contained in and referred to in this report for Tracts 59X and 61X and EMC Labs is solely responsible for all analytical results contained in and referred to in this report for Tract 40X. No suspect material was found at Tract 44X.

Contractor Accepts All Liability: Contractor accepts the responsibility of all liabilities incurred during these operations and will take all reasonable safety precautions to protect surrounding properties and pedestrian traffic. The work site must, at all times, be kept in a generally safe and sanitary condition. The premises will be left in a generally level, safe, and sanitary condition, and in which it can be mowed and maintained safely.

Insurance: Contractor must include with their bid evidence of having and maintaining proper and complete insurance, specifically Worker's Compensation Insurance in accordance with the laws of the State of Arkansas, Public Liability, and Property Damage. In no way will ARDOT be responsible in case of accident. All premiums and costs shall be paid by the Contractor. Failure to include evidence of insurance may result in a rejection of the bid.

Total Bid Price: Bid price must be firm and not subject to escalation, and shall include all costs including but not limited to: The ten (10) working day notification to ADEQ for demolition, permits, taxes, labor, equipment, material, license, and insurance necessary to complete the work. All unit prices and total prices in the worklist and additional items list must be completely filled out and calculated correctly. Failure to include prices, and/or errors in calculation may result in a rejection of bid.

Payment: Payment of this contract will be made after the provisions of this document, the Work List, Special Provisions, and Appendices are fulfilled and the work is finally accepted by Property Management. No partial payments are allowed.

Time is of the Essence: All work must be completed within fifty (50) calendar days after the issuance of the Work Order. This time period is all inclusive and includes the ten (10) working day notification to the ADEQ for demolition, the seven (7) day period for delivering a bond, all weekends, holidays, and other non-working days. Contractor must give written notice to ARDOT, as soon as possible, of the reason for any delay in completion of the work. ARDOT has the right to extend the completion date if, in the opinion of ARDOT, reasons appear valid. If reason or delivery date is unacceptable, vendor is in default.

Liquidated Damages, Default, and Forfeiture of Bond: Failure to complete the work within the time allotted or in accordance with the specifications of this document will result in liquidated damages at the rate of \$120.00 per day and, at ARDOT's discretion, default of contract. Default in completion of the work or failure to meet specifications authorizes ARDOT to cancel award or any portion of same, to reasonably purchase services elsewhere and to charge full increase, if any, to defaulting contractor. Applicable bonds may be forfeited. Liquidated damages will be assessed beginning the first day following the date by when work must be completed.

Notice of Intent (NOI): A copy of the NOI must be sent to Property Management showing the start and ending dates. The ending dates on the NOI to ADEQ should reflect the completion date.

Contractor's License: Arkansas Code Annotated §17-25-101 requires a contractor's license to submit a bid for demolition when the cost of the work to be done is \$50,000.00 or more. If contractor's bid amount is \$50,000.00 or more, contractor must include a copy of their license with submission of the bid document. Failure to include a copy of the contractor's license may result in a rejection of the bid.

Non-Discrimination: Contractor will perform all services in compliance with Title VI of the Civil Rights Act of 1964 and the provisions of "Appendix A and E" that are attached and made a part of the contract.

Past Performance: A contractor's past performance with the Department may be used to determine if the contractor is "responsible." Bids submitted by a contractor determined to be non-responsible will be disqualified.

Binding Bid: Upon acceptance of this bid by authorized ARDOT personnel, this bid will become a binding contract between the bidding contractor and the Arkansas State Highway Commission. Contractor hereby agrees to accept from the Arkansas State Highway Commission the Total Bid Price set forth herein as full payment of the contract when all the above listed services have been performed in accordance with this document to the satisfaction of the Arkansas State Highway Commission.

Special Instructions:

Tract 44X: The pit on this tract should be pumped empty, completely removed, and the void backfilled with suitable material and left level with the surrounding area.

Tract 59X: Owner is retaining the back portion of the fenced in area behind the building and has built an additional fence to divide the portion he wants to keep. Property Management will also mark the location to end the demolition on the site. The buried propane tank is inside the very back north western corner of the building and must be removed according to applicable State and Federal Laws.

Tract 61X: The first building to be torn down on this tract is the northern most building and is the closest to Macy Blvd. The southern most building is still occupied at this writing and should not be demolished until Property Management has verified that it has been totally vacated and communicated such information to contractor. Contractor shall not take any action that disrupts traffic into, out of or around this building, or disrupts in any way the utility services provided to this building, or otherwise interferes with the operations of the businesses operating in the building until it has received written notification to proceed with demolition of the building from the Property Manager for the Arkansas Department of Transportation.

**ARKANSAS DEPARTMENT OF TRANSPORTATION
PROPERTY MANAGEMENT
DEMOLITION CONTRACT BIDS**

**Job Number: CA0607
Job Name: Fleetwood Dr – Hwy. 227
Route 270 Section 5
Garland County
Tracts 40X, 44X, 59X & 61X**

Work List of Project

<u>Tract 40X, 3267 & 3271 Albert Pike Rd, Hot Springs, AR 71913</u>	<u>Unit Price</u>	<u>Extended Price</u>
No abatement necessary:		

Demolition:

2,840 SF Metal Structure	\$ _____ /SF	\$ _____
2,400 SF Metal Structure	\$ _____ /SF	\$ _____
1,313 SF Metal Ministorage Building	_____ /SF	_____
Cut and Cap Water and Sewer	\$ _____ /EA	\$ _____
	_____	_____

Total Demolition Tract 40X

<u>Tract 44X, 3251 Albert Pike Rd, Hot Springs, AR 71913</u>	<u>Unit Price</u>	<u>Extended Price</u>
No abatement necessary:		

Demolition:

600 SF Metal Garage w/service pit	\$ _____ /SF	\$ _____
-----------------------------------	--------------	----------

Total Demolition Tract 44X

<u>Tract 59X, 3107 Albert Pike Rd., Hot Springs, AR 71913</u>	<u>Unit Price</u>	<u>Extended Price</u>
Abate Approximately:		
650 SF of Chrysotile Flooring	\$ _____ /SF	\$ _____
5 Windows with putty	\$ _____ /EA	\$ _____

Total Abatement

Demolition:

3,800 SF block and frame building	\$ _____ /SF	\$ _____
1,410 SF attached lean-to	\$ _____ /SF	\$ _____
Buried propane tank	\$ _____ /EA	\$ _____
65 LF wood fence	\$ _____ /LF	\$ _____
44 LF chain link fence	\$ _____ /LF	\$ _____
Cut and Cap Water and Sewer	\$ _____ /EA	\$ _____

Total Demolition

\$ _____

Total Abatement & Demolition Tract 59X

Tract 61X, 3060 Albert Pike Rd. Hot Springs, AR 71913

Unit Price

Extended Price

No abatement necessary:

Demolition:

11,000 SF Frame and brick building

\$ _____ /SF \$ _____

Cut and Cap Water and Sewer

\$ _____ /EA \$ _____

9,333 SF Frame and brick building

\$ _____ /SF \$ _____

Cut and Cap Water and Sewer

\$ _____ /EA \$ _____

Total Demolition

\$ _____

Total Demolition Tract 61X

\$ _____

Total Lump Sum Price of Abatement & Demolition

=====

This document is to be returned with bid and becomes part of the contract.

INSPECTION REPORT

<u>JOB:</u>	<u>CA0607</u>	<u>PROPERTY LOCATION</u>	<u>INSPECTED BY</u>
<u>TRACT:</u>	<u>44X</u>	<u>3251 Albert Pike Rd</u>	<u>Connie Skinner (016972)</u>
<u>DATE:</u>	<u>11/15/2018</u>	<u>Hot Springs, AR 71913</u>	<u>Sherman Whittle (015689)</u>

On 11/15/2018, Sherman Whittle and I conducted an inspection to determine if asbestos was in the building materials of a vacant building located at 3251 Albert Pike Rd. Hot Springs, Arkansas. The building is a 600 square foot single story garage building. The inspection encompassed the entire facility. The building materials consisted of metal and concrete with fiberglass insulation. The building materials were in good condition. The overall condition of the building was good. There were no suspect materials found and no samples were taken.

TRACT 444

&

OIL

BRAKES

TOY FOR SURVIVAL

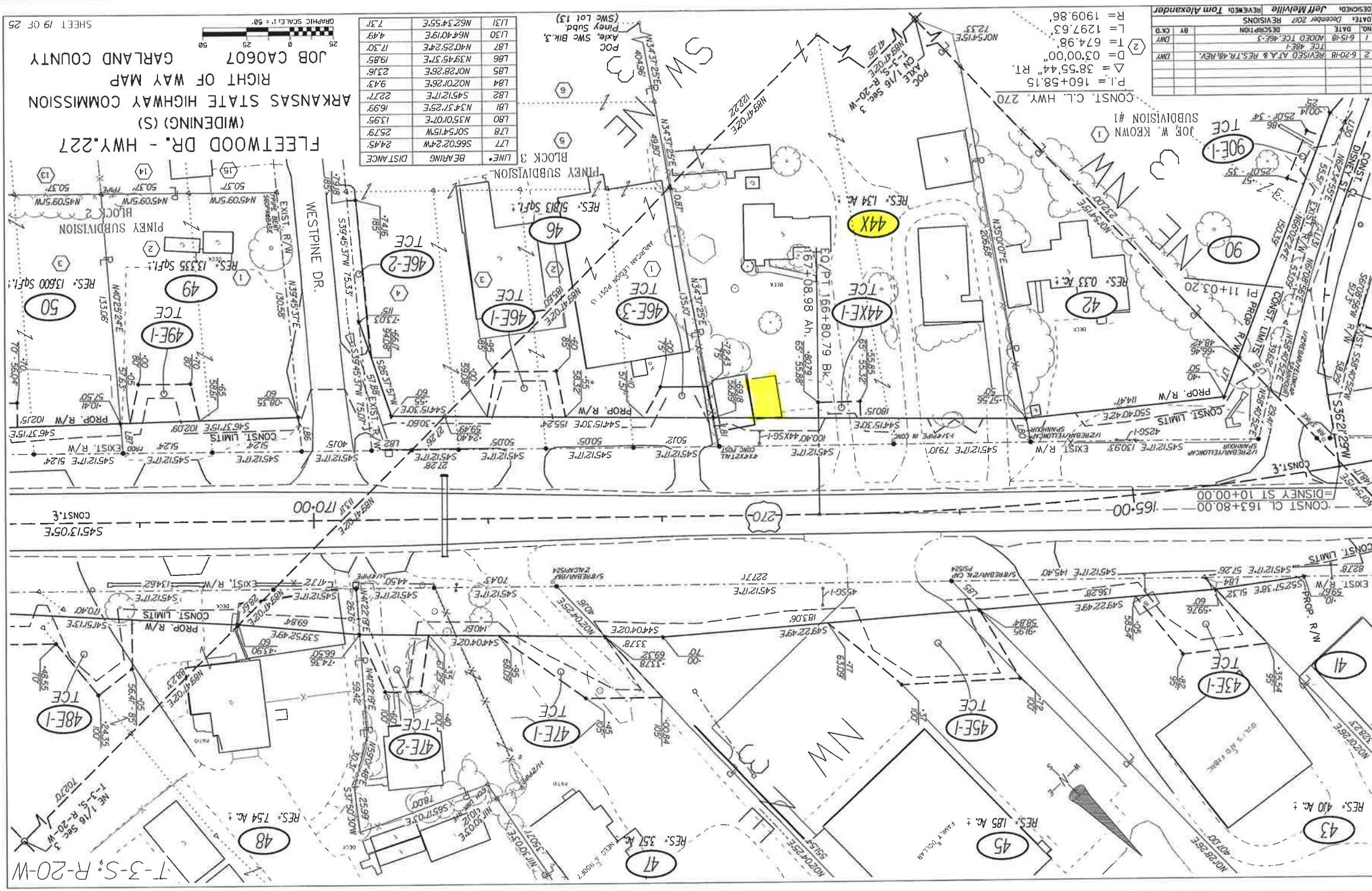
Small illegible sticker on the door

NO.	DATE	DESCRIPTION	BY	CHK'D
1	6-15-18	MODED TCE 46E-3	DNY	
2	6-20-18	REVISED AT A & RES. T.R. 48, REV.	DNY	

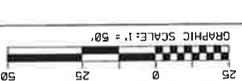
DESIGNED: Jeff Meville
 REVISIONS: Tom Alexander

P.I. = 160+58.15
 Δ = 38.5544" RT.
 D = 03'00.00"
 T = 674.98'
 L = 1297.63'
 R = 1909.86'

SEE SHEET 17



LINE #	BEARING	DISTANCE
L77	S66°02.2'W	24.45'
L78	S05°41.5'W	25.79'
L80	N35°01.07'E	15.95'
L81	N34°37.25'E	16.99'
L82	S45°12.17'E	22.71'
L84	N02°01.26'E	9.43'
L85	N07°28.26'E	23.16'
L86	N39°45.37'E	19.85'
L87	N40°25.24'E	17.30'
L130	N64°40.19'E	4.49'
L131	N62°34.55'E	7.31'



FLEETWOOD DR. - HWY. 277
 (WIDENING) (S)
 ARKANSAS STATE HIGHWAY COMMISSION
 RIGHT OF WAY MAP
 JOB CA0607
 GARLAND COUNTY

BCA, Inc.

Brick City Abatement, Inc.
Asbestos Inspection Report

Inspection site:

3267 Albert Pike Road
Hot Springs, AR 71913

Property Owner:

Arkansas Department of Transportation
Right of Way Division
10324 Interstate 30
PO Box 2261
Little Rock, AR 72203-2261

Inspection date: January 14, 2019

Inspection performed by Brian Michna, ADEQ #010813
Brick City Abatement, Inc. #000517.

Summary

On January 14, 2019, an asbestos survey was performed at two buildings at 3267 Albert Pike Rd., Hot Springs, AR. The purpose of this survey was to identify any asbestos containing material in the structures prior to demolition by ARDOT. In Building One, eighteen (18) samples were taken which yielded thirty-eight (38) analyses. Of these analyses, none (zero) tested positive for the presence of asbestos. Building Two, a 10-unit mini-storage, contained no suspect materials. A copy of this survey should be available on site during the demolition.

Purpose of Inspection

Regardless of age, any structure may contain asbestos in a variety of forms. These are commonly referred to as Asbestos Containing Building Materials or Asbestos Containing Materials, (ACBM or ACM). The Arkansas Department of Environmental Quality refers to asbestos as Regulated Asbestos Containing Materials (RACM) or simply Asbestos Containing Materials. In either case, asbestos has been found in over 3600 different products throughout the United States. The NESHAPS Regulations (National Emissions Standards for Hazardous Air Pollutants) recognizes this situation and requires that any suspect materials be tested for asbestos content (or be presumed to be asbestos containing if not tested), prior to any renovation or demolition. Other regulations from different Government agencies also may apply such as OSHA.

Procedures

Samples were sent to an approved laboratory and analyzed via Polarized Light Microscopy (PLM) with dispersion staining. All percentages reported for composition are based on visual or gravimetric determinations. Any material containing less than one percent asbestos is deemed to be asbestos free for the purposes of this inspection and according to State Regulation.

Unknown Materials

Although a concerted effort was made to identify the presence, location and condition of asbestos, some may have not been found. Asbestos is commonly found in inaccessible building spaces, between walls, under floors, behind other building materials, etc. It is recommended that any renovation or demolition work be performed with care and that the contractor be aware of the possibility of asbestos in hidden or unknown locations.

OSHA

OSHA regulation 1926.1101 requires that employers protect their employees from exposure to airborne asbestos fibers and/or the occupants of a building where materials that contain any asbestos are being disturbed. Employers must provide their employees who are working on and around any type of asbestos containing materials with awareness training about the health effects of asbestos, special instruction for handling ACM, respiratory protection, medical surveillance and personal air monitoring data for each task performed, regardless of whether the asbestos is friable or nonfriable.

Inspection performed by Brian Michna, ADEQ #010813
Brick City Abatement, Inc. #000517.

CHAIN OF CUSTODY
 EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: 213930
 TAT: 1-2 days
 Rec'd: JAN 14 P.M.

COMPANY NAME: Brick City Abatement Inc
 Address: ~~PO Box 1405~~ MALVERN, AR 72104
 CONTACT: Brian Michwa
 Phone/Fax: 501-844-0735
 Email: briackcityabatement@gmail.com

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [Same Day Rush] 1-2 Days [3-4-5 Days] [6-10 Days]

****Prior confirmation of turnaround time is required

****Additional charges for rush analysis (please call marketing department for pricing details)

****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** Bulk-PLM [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** Dispose of samples at EMC / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. **Project Name:** AR DOT 3267 Albert Pike Rd Hot Springs, AR

P.O. Number: _____ Project Number: _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
1	1	1/10/2019 9:30AM	Room(A) 12x12 Floor tile ^{white/blue specks}	N			
2	2		Room(A) sheetrock wall	N			
3	3		Room(A) sheetrock ceiling	N			
4	4		Room(B) 12x12 Floor tile ^{white/blue specks}	N			
5	5		Room(E) 2"x12" Floor tile ^{gray/white}	N			
6	6		Room(F) 2'x2' ceiling tile	N			
7	7		Room(F) 2'x2' ceiling tile	N			
8	8		Room(F) sheetrock wall	N			
9	9		Room(F) sheetrock wall	N			
10	10		Room(G) 12"x12" Floor tile (Blue)	N			
11	11		Room(H) 16"x16" Brown stain ^{stick down tile}	N			
12	12		Room(H) 12"x12 Floor tile ^{tan/brown specks}	N			
13	13		Room(H) sheetrock wall	N			
14	14		Room(H) sheetrock ceiling	N			
15	15		Room(J) sheetrock wall	N			

SPECIAL INSTRUCTIONS: IF Joint compound present please composite

Sample Collector: (Print) Brian Michwa (Signature) Brian Michwa
 Relinquished by: _____ Date/Time: _____ Received by: Diana Federico Date/Time: 1/14/19
 Relinquished by: Diana Federico Date/Time: 1/14/19 Received by: JD Hofer Date/Time: 1-14-19
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

CHAIN OF CUSTODY
 EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: _____
 TAT: 213930
 Rec'd: _____

COMPANY NAME: Brick City Abatement Inc
 Address: PO BOX 1405
Malvern, AR 72104
 CONTACT: Brian Michna
 Phone/Fax: 501-844-0735
 Email: brickcityabatement@gmail.com

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. TURNAROUND TIME: [Same Day Rush] [1-2 Days] [3-4-5 Days] [6-10 Days]

****Prior confirmation of turnaround time is required
 ****Additional charges for rush analysis (please call marketing department for pricing details)
 ****Laboratory analysis may be subject to delay if credit terms are not met

2. TYPE OF ANALYSIS: [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. DISPOSAL INSTRUCTIONS: [Dispose of samples at EMC] / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. Project Name: ARDOT 3267 Albert Pike Rd Hot Springs, AR
 P.O. Number: _____ Project Number: _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
<u>16</u>	<u>16</u>	<u>1/10/2019 9:30am</u>	<u>Room (J) Sheetrock ceiling</u>	<u>Y</u> N			
<u>17</u>	<u>17</u>	<u>1</u>	<u>Room (K) sheetrock wall</u>	<u>Y</u> N			
<u>18</u>	<u>18</u>	<u>1</u>	<u>Room (K) sheetrock ceiling</u>	<u>Y</u> N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: if Joint compound Present Please composite
 Sample Collector: (Print) Brian Michna (Signature) Brian Michna
 Relinquished by: _____ Date/Time: _____ Received by: Diana Federico Date/Time: 1/14/19
 Relinquished by: Diana Federico Date/Time: 1/14/19 Received by: JD Hafner Date/Time: 1-14-19
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0213930

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	BRICK CITY ABATEMENT	Job# / P.O. #:	
Address:	P.O. BOX 1405	Date Received:	01/14/2019
	MALVERN AR 72104	Date Analyzed:	01/16/2019
Collected:	01/10/2019	Date Reported:	01/16/2019
Project Name:	ARDOT-3267 ALBERT PIKE RD	EPA Method:	EPA 600/R-93/116
Address:	HOT SPRINGS, AR	Submitted By:	BRIAN MICHNA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0213930-001 1	ROOM A	LAYER 1 12"x12" Floor Tile, Beige/ Red/ Blue	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber 2% Quartz Gypsum Carbonates Binder/Filler 98%
0213930-002 2	ROOM A	LAYER 1 Sheetrock, Off White/ Brown	No	None Detected	Cellulose Fiber 12% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, White/ Off White	No	None Detected	Cellulose Fiber <1% Carbonates Mica Quartz Binder/Filler 99%
		LAYER 3 Texture, Lt. Beige/ Cream	No	None Detected	Cellulose Fiber 1% Carbonates Mica Quartz Binder/Filler 99%
0213930-003 3	ROOM A	LAYER 1 Sheetrock, Off White/ Brown	No	None Detected	Cellulose Fiber 12% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Lt. Beige/ Cream	No	None Detected	Cellulose Fiber <1% Carbonates Mica Quartz Binder/Filler 99%

BCA, Inc.

Brick City Abatement, Inc.
Asbestos Inspection Report

Inspection site:

3271 Albert Pike Road
Hot Springs, AR 71913

Property Owner:

Arkansas Department of Transportation
Right of Way Division
10324 Interstate 30
PO Box 2261
Little Rock, AR 72203-2261

Inspection date: January 14, 2019

Inspection performed by Brian Michna, ADEQ #010813
Brick City Abatement, Inc. #000517.

Summary

On January 14, 2019, an asbestos survey was performed at a former retail space at 3271 Albert Pike Rd., Hot Springs, AR. The purpose of this survey was to identify any asbestos containing material in the structure prior to demolition by ARDOT. Eighteen (18) samples were taken which yielded thirty-six (36) analyses. Of these analyses, none (zero) tested positive for the presence of asbestos. A copy of this survey should be available on site during the demolition.

Purpose of Inspection

Regardless of age, any structure may contain asbestos in a variety of forms. These are commonly referred to as Asbestos Containing Building Materials or Asbestos Containing Materials, (ACBM or ACM). The Arkansas Department of Environmental Quality refers to asbestos as Regulated Asbestos Containing Materials (RACM) or simply Asbestos Containing Materials. In either case, asbestos has been found in over 3600 different products throughout the United States. The NESHAPS Regulations (National Emissions Standards for Hazardous Air Pollutants) recognizes this situation and requires that any suspect materials be tested for asbestos content (or be presumed to be asbestos containing if not tested), prior to any renovation or demolition. Other regulations from different Government agencies also may apply such as OSHA.

Procedures

Samples were sent to an approved laboratory and analyzed via Polarized Light Microscopy (PLM) with dispersion staining. All percentages reported for composition are based on visual or gravimetric determinations. Any material containing less than one percent asbestos is deemed to be asbestos free for the purposes of this inspection and according to State Regulation.

Unknown Materials

Although a concerted effort was made to identify the presence, location and condition of asbestos, some may have not been found. Asbestos is commonly found in inaccessible building spaces, between walls, under floors, behind other building materials, etc. It is recommended that any renovation or demolition work be performed with care and that the contractor be aware of the possibility of asbestos in hidden or unknown locations.

OSHA

OSHA regulation 1926.1101 requires that employers protect their employees from exposure to airborne asbestos fibers and/or the occupants of a building where materials that contain any asbestos are being disturbed. Employers must provide their employees who are working on and around any type of asbestos containing materials with awareness training about the health effects of asbestos, special instruction for handling ACM, respiratory protection, medical surveillance and personal air monitoring data for each task performed, regardless of whether the asbestos is friable or nonfriable.

Inspection performed by Brian Michna, ADEQ #010813
Brick City Abatement, Inc. #000517.

CHAIN OF CUSTODY
 EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: 213929
 TAT: 1-2 days
 Rec'd: JAN 14 P.M.

COMPANY NAME: Brick City Abatement Inc
 Address: PO Box 1405
Malvern, AR 72104
 CONTACT: Brian Michwa
 Phone/Fax: 501-844-0735
 Email: brickcityabatement@gmail.com

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. TURNAROUND TIME: [Same Day Rush] (1-2 Days) [3-4-5 Days] [6-10 Days]

****Prior confirmation of turnaround time is required
 ****Additional charges for rush analysis (please call marketing department for pricing details)
 ****Laboratory analysis may be subject to delay if credit terms are not met

2. TYPE OF ANALYSIS: Bulk-PLM [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. DISPOSAL INSTRUCTIONS: (Dispose of samples at EMC) / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. Project Name: ARDOT 3271 Albert Pike Rd Hot Springs, AR
 P.O. Number: _____ Project Number: _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
1	1	1/10/2019 11am	Room(A) 16"x16" Floortile <small>Green/Brown slate</small>	Y N			
2	2		Room(A) 2'x4' ceiling tile	Y N			
3	3		Room(A) sheetrock wall	Y N			
4	4		Room(C) 16"x16" Floortile <small>Green/Brown slate</small>	Y N			
5	5		Room(C) sheetrock wall	Y N			
6	6		Room(C) sheetrock ceiling	Y N			
7	7		Room(E) sheetrock wall	Y N			
8	8		Room(E) sheetrock ceiling	Y N			
9	9		Room(F) 16"x16" Floortile <small>Green/Brown slate</small>	Y N			
10	10		"D" Hallway sheetrock wall	Y N			
11	11		"D" Hallway sheetrock ceiling	Y N			
12	12		Room(G) 16"x16" Floortile <small>Brown slate</small>	Y N			
13	13		Room(G) sheetrock wall	Y N			
14	14		Room(G) sheetrock ceiling	Y N			
15	15		Room(I) sheetrock wall	Y N			

SPECIAL INSTRUCTIONS: if Joint compound Present Please composite

Sample Collector: (Print) Brian Michwa (Signature) Brian Michwa

Relinquished by: _____ Date/Time: _____ Received by: Dianna Federico Date/Time: 1/14/19

Relinquished by: Dianna Federico Date/Time: 1/14/19 Received by: JD Hefer Date/Time: 1-14-19

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

CHAIN OF CUSTODY
 EMC Labs, Inc.
 9830 S. 51st St., Ste B-109
 Phoenix, AZ 85044
 (480) 940-5294 Fax (480) 893-1726

LAB#: _____
 TAT: 213929
 Rec'd: _____

COMPANY NAME: Brick City Abatement Inc
 Address: PO Box 1405
Malvern, AR 72104
 CONTACT: Brian Michna
 Phone/Fax: 501-844-0735
 Email: brickcityabatement@gmail.com

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [Same Day Rush] **1-2 Days** [3-4-5 Days] [6-10 Days]

****Prior confirmation of turnaround time is required
 ****Additional charges for rush analysis (please call marketing department for pricing details)
 ****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** **Bulk-PLM** [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** **Dispose of samples at EMC** / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 30 days from analysis.)

4. Project Name: ARDOT 3271 Albert Pike Rd Hot Springs, AR
 P.O. Number: _____ Project Number: _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
<u>16</u>	<u>16</u>	<u>11/10/2019 11am</u>	<u>Room (E) 2'x4' ceiling tile</u>	<u>Y N</u>			
<u>17</u>	<u>17</u>	<u>1</u>	<u>Stairway Sheetrock wall</u>	<u>Y N</u>			
<u>18</u>	<u>18</u>	<u>1</u>	<u>Room (G) Storage Closet Sheetrock wall Joint</u>	<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			
				<u>Y N</u>			

SPECIAL INSTRUCTIONS: if Joint compound present please composite

Sample Collector: (Print) Brian Michna (Signature) Brian Michna
 Relinquished by: _____ Date/Time: _____ Received by: Diana Federico Date/Time: 11/14/19
 Relinquished by: Diana Federico Date/Time: 11/14/19 Received by: JD Hoffer Date/Time: 1-14-19
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0213929

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	BRICK CITY ABATEMENT	Job# / P.O. #:	
Address:	P.O. BOX 1405	Date Received:	01/14/2019
	MALVERN AR 72104	Date Analyzed:	01/16/2019
Collected:	01/10/2019	Date Reported:	01/16/2019
Project Name:	ARDOT-3271 ALBERT PIKE RD	EPA Method:	EPA 600/R-93/116
Address:	HOT SPRINGS, AR	Submitted By:	BRIAN MICHNA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0213929-001 1	ROOM A	LAYER 1 16x16 Floor Tile, Green/ Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Clear	No	None Detected	Cellulose Fiber 2% Quartz Carbonates Binder/Filler 98%
0213929-002 2	ROOM A	2x4 Ceiling Tile, White/ Gray	No	None Detected	Cellulose Fiber 50% Mineral Wool 30% Carbonates Perlite Binder/Filler 20%
0213929-003 3	ROOM A	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 12% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Cellulose Fiber <1% Carbonates Perlite Quartz Binder/Filler 99%
0213929-004 4	ROOM C	LAYER 1 16x16 Floor Tile, Gray/ Brown	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Clear	No	None Detected	Cellulose Fiber 2% Carbonates Quartz Binder/Filler 98%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0213929

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	BRICK CITY ABATEMENT	Job# / P.O. #:	
Address:	P.O. BOX 1405	Date Received:	01/14/2019
	MALVERN AR 72104	Date Analyzed:	01/16/2019
Collected:	01/10/2019	Date Reported:	01/16/2019
Project Name:	ARDOT-3271 ALBERT PIKE RD	EPA Method:	EPA 600/R-93/116
Address:	HOT SPRINGS, AR	Submitted By:	BRIAN MICHNA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0213929-005 5	ROOM C	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Carbonates Perlite Quartz Binder/Filler 100%
0213929-006 6	ROOM C	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Carbonates Perlite Quartz Binder/Filler 100%
0213929-007 7	ROOM E	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 12% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Cellulose Fiber <1% Carbonates Perlite Quartz Binder/Filler 99%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
 Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0213929

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: BRICK CITY ABATEMENT	Job# / P.O. #:
Address: P.O. BOX 1405	Date Received: 01/14/2019
MALVERN AR 72104	Date Analyzed: 01/16/2019
Collected: 01/10/2019	Date Reported: 01/16/2019
Project Name: ARDOT-3271 ALBERT PIKE RD	EPA Method: EPA 600/R-93/116
Address: HOT SPRINGS, AR	Submitted By: BRIAN MICHNA
	Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0213929-008 8	ROOM E	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 12% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture/ Paint, Off White/ White	No	None Detected	Cellulose Fiber 1% Carbonates Mica Quartz Binder/Filler 99%
0213929-009 9	ROOM F	LAYER 1 16x16 Floor Tile, Gray/ Brown	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Clear	No	None Detected	Cellulose Fiber 5% Quartz Carbonates Binder/Filler 95%
0213929-010 10	"D" HALLWAY	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber 1% Carbonates Perlite Quartz 99%
		LAYER 3 Texture, Off White/ White	No	None Detected	Carbonates Perlite Quartz Binder/Filler 100%

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 Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0213929

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	BRICK CITY ABATEMENT	Job# / P.O. #:	
Address:	P.O. BOX 1405	Date Received:	01/14/2019
	MALVERN AR 72104	Date Analyzed:	01/16/2019
Collected:	01/10/2019	Date Reported:	01/16/2019
Project Name:	ARDOT-3271 ALBERT PIKE RD	EPA Method:	EPA 600/R-93/116
Address:	HOT SPRINGS, AR	Submitted By:	BRIAN MICHNA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0213929-011 11	"D" HALLWAY	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Carbonates Perlite Quartz Binder/Filler 100%
0213929-012 12	ROOM G	LAYER 1 16x16 Floor Tile, Gray/ Brown	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Clear	No	None Detected	Cellulose Fiber 5% Quartz Carbonates Binder/Filler 95%
0213929-013 13	ROOM G	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 12% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Cellulose Fiber <1% Carbonates Perlite Quartz Binder/Filler 99%

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Laboratory Report
0213929

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	BRICK CITY ABATEMENT	Job# / P.O. #:	
Address:	P.O. BOX 1405	Date Received:	01/14/2019
	MALVERN AR 72104	Date Analyzed:	01/16/2019
Collected:	01/10/2019	Date Reported:	01/16/2019
Project Name:	ARDOT-3271 ALBERT PIKE RD	EPA Method:	EPA 600/R-93/116
Address:	HOT SPRINGS, AR	Submitted By:	BRIAN MICHNA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0213929-014 14	ROOM G	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Carbonates Perlite Quartz Binder/Filler 100%
0213929-015 15	ROOM I	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 12% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Cellulose Fiber 1% Carbonates Perlite Quartz Binder/Filler 99%
0213929-016 16	ROOM I	2x4 Ceiling Tile, White/ Gray	No	None Detected	Cellulose Fiber 50% Mineral Wool 30% Carbonates Perlite Binder/Filler 20%

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 Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0213929

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	BRICK CITY ABATEMENT	Job# / P.O. #:	
Address:	P.O. BOX 1405	Date Received:	01/14/2019
	MALVERN AR 72104	Date Analyzed:	01/16/2019
Collected:	01/10/2019	Date Reported:	01/16/2019
Project Name:	ARDOT-3271 ALBERT PIKE RD	EPA Method:	EPA 600/R-93/116
Address:	HOT SPRINGS, AR	Submitted By:	BRIAN MICHNA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0213929-017 17	STAIRWAY	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, Off White/ White	No	None Detected	Cellulose Fiber <1% Carbonates Perlite Quartz Binder/Filler 99%
0213929-018 18	ROOM G STORAGE CLOSET	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber <1% Carbonates Perlite Quartz Binder/Filler 99%
		LAYER 3 Texture, Off White/ White	No	None Detected	Cellulose Fiber 1% Carbonates Perlite Quartz Binder/Filler 99%

EMC LABS, INC.

Laboratory Report
0213929

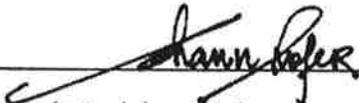
9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	BRICK CITY ABATEMENT	Job# / P.O. #:	
Address:	P.O. BOX 1405	Date Received:	01/14/2019
	MALVERN AR 72104	Date Analyzed:	01/16/2019
Collected:	01/10/2019	Date Reported:	01/16/2019
Project Name:	ARDOT-3271 ALBERT PIKE RD	EPA Method:	EPA 600/R-93/116
Address:	HOT SPRINGS, AR	Submitted By:	BRIAN MICHNA
		Collected By:	

Lab ID	Sample	Layer Name /	Asbestos	Asbestos Type	Non-Asbestos
Client ID	Location	Sample Description	Detected	(%)	Constituents



Analyst - Johann Hofer



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-fragile organically bound materials.

Arkansas Department of Environmental Quality

BRICK CITY ABATEMENT, INC.

is a licensed
Asbestos Abatement Contractor

having qualified as required by law in accordance with the regulations adopted by the Arkansas Pollution Control and Ecology Commission's Regulation 21 pursuant to Arkansas Code Annotated §20-27-1001 et seq., relative to abatement of asbestos-containing material within the state of Arkansas.



License Number: 000517

Issue Date: 02/05/2018

Expire Date: 02-05-2019

Bucky W. Keogh

Bucky W. Keogh
ADEC Director

Arkansas Department of Environmental Quality

BRIAN MICHNA

having satisfied the requirements necessary to meet the provisions of AHERA/ASHARA under TSCA Title II and the Arkansas Pollution Control and Ecology Commission's Regulation 21 and is hereby certified in the State of Arkansas in the discipline(s) of Asbestos

Discipline	Issue Date	Effective Date	Expiration Date
Air Monitor	06/14/2018	07/02/2018	06/30/2019
Contractor Supervisor	06/14/2018	07/02/2018	06/30/2019
Inspector	05/18/2018	07/02/2018	05/31/2019

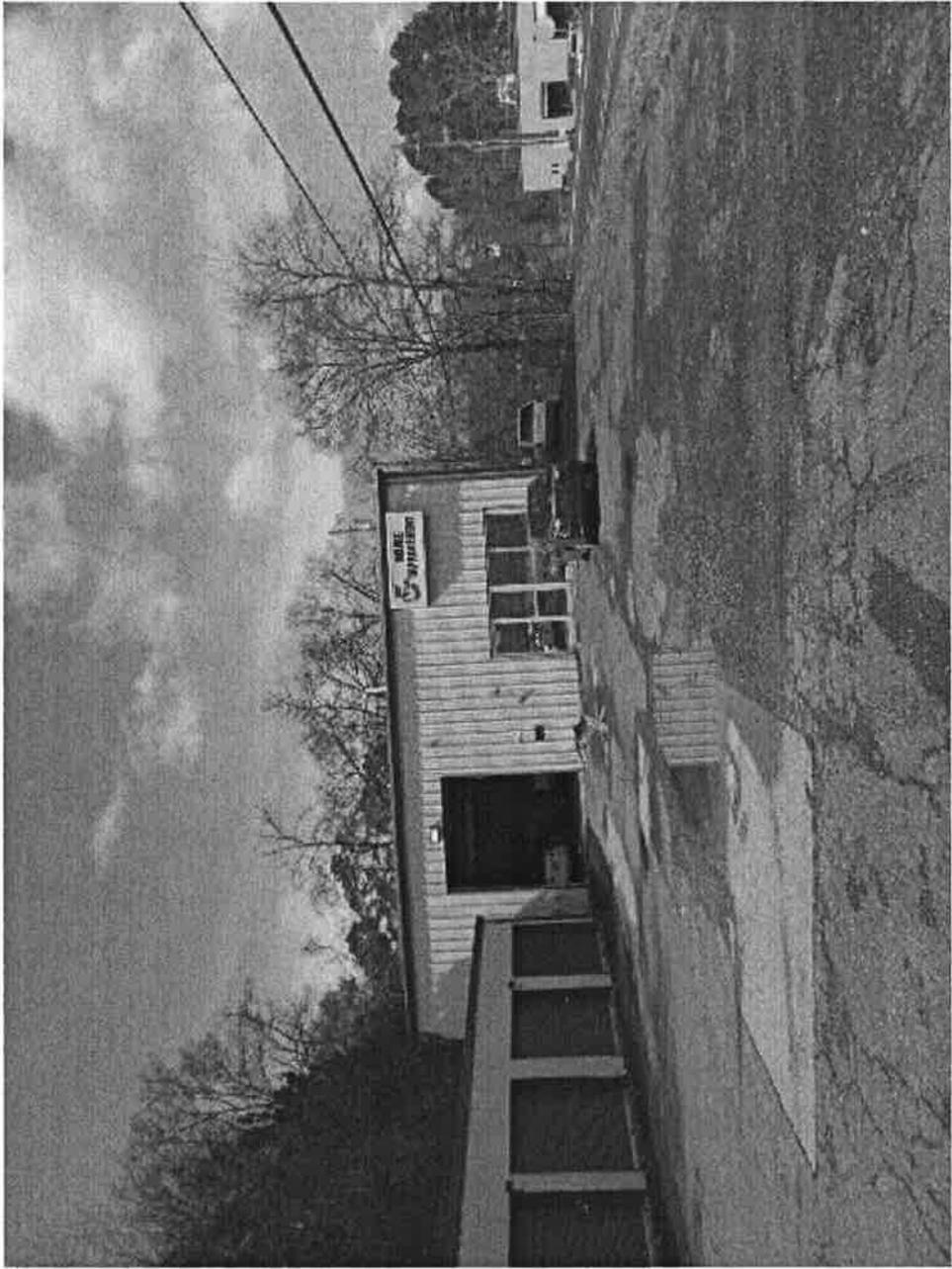


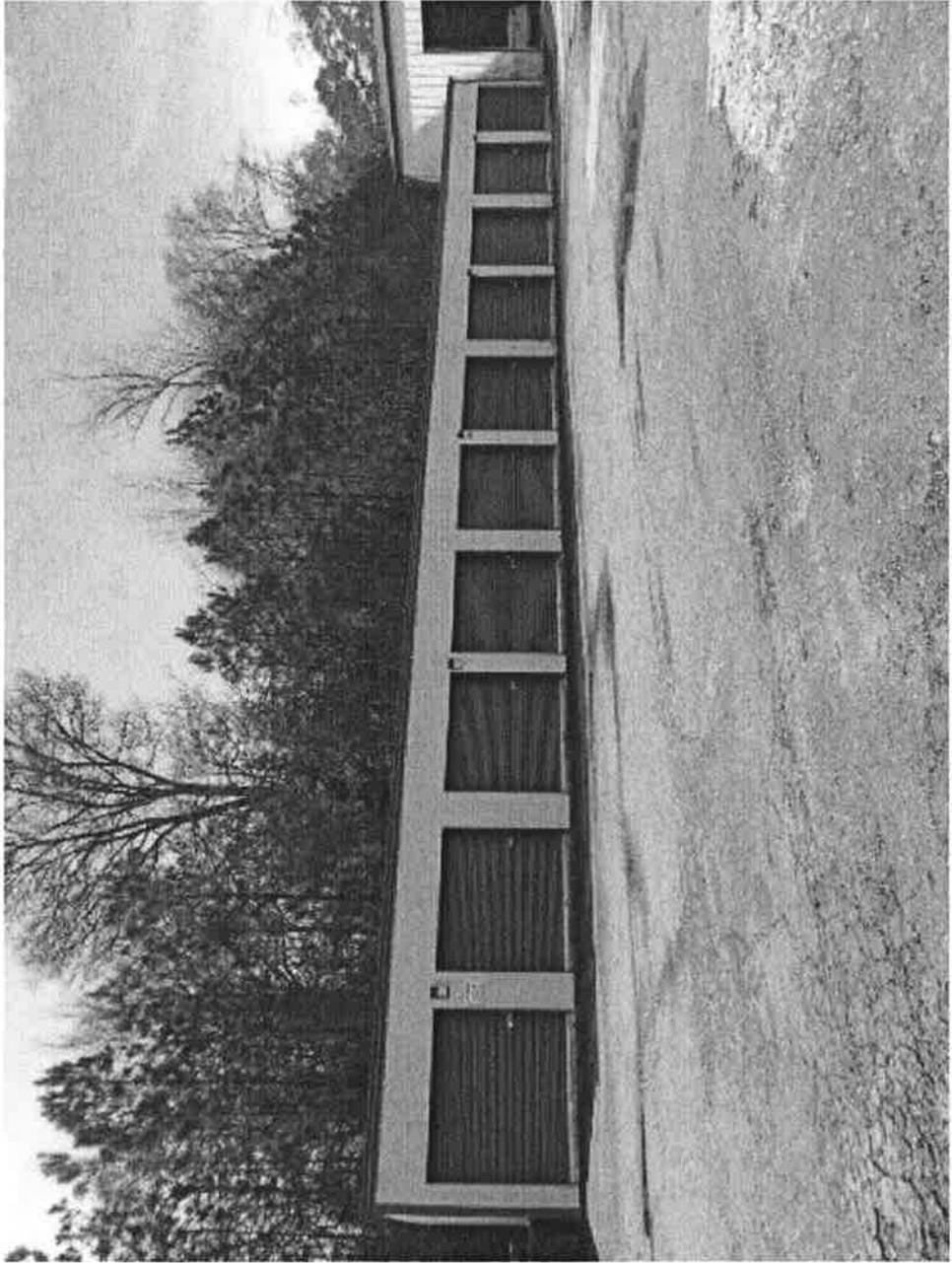
Certification Number: 010813

Betsy W. Keogh
Betsy W. Keogh
ADEQ Director

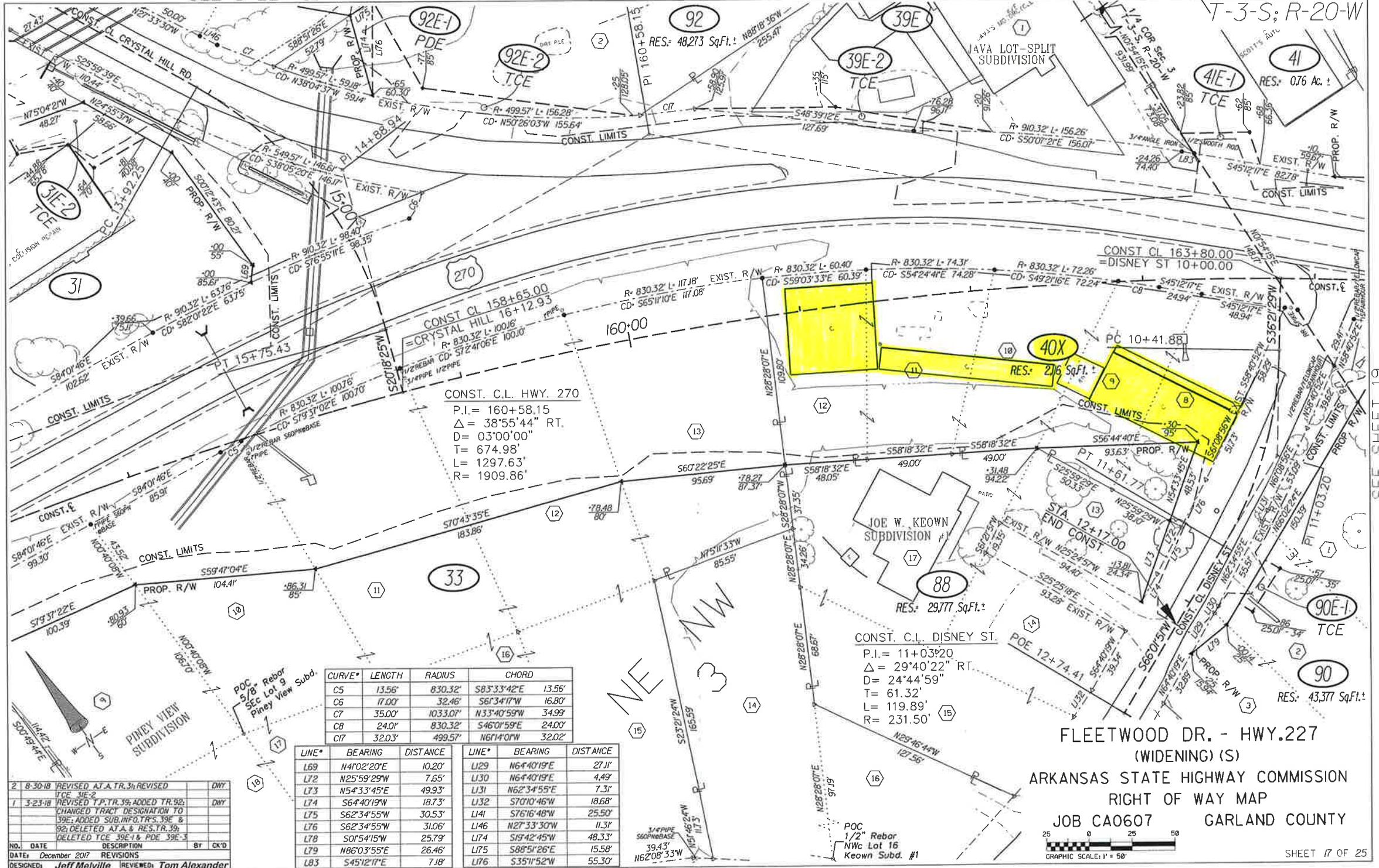
TRACT HOX











CONST. C.L. HWY. 270
 P.I. = 160+58.15
 $\Delta = 38^{\circ}55'44''$ RT.
 $D = 03^{\circ}00'00''$
 $T = 674.98'$
 $L = 1297.63'$
 $R = 1909.86'$

CONST. C.L. DISNEY ST.
 P.I. = 11+03.20
 $\Delta = 29^{\circ}40'22''$ RT.
 $D = 24^{\circ}44'59''$
 $T = 61.32'$
 $L = 119.89'$
 $R = 231.50'$

CURVE*	LENGTH	RADIUS	CHORD
C5	13.56'	830.32'	S83°33'42"E 13.56'
C6	17.00'	32.46'	S67°34'17"W 16.80'
C7	35.00'	1033.07'	N33°40'59"W 34.99'
C8	24.01'	830.32'	S46°01'59"E 24.00'
C17	32.03'	499.57'	N61°14'01"W 32.02'

LINE*	BEARING	DISTANCE	LINE*	BEARING	DISTANCE
L69	N41°02'20"E	10.20'	L129	N64°40'19"E	27.11'
L72	N25°59'29"W	7.65'	L130	N64°40'19"E	4.49'
L73	N54°33'45"E	49.93'	L131	N62°34'55"E	7.31'
L74	S64°40'19"W	18.73'	L132	S70°10'46"W	18.68'
L75	S62°34'55"W	30.53'	L141	S76°16'48"W	25.50'
L76	S62°34'55"W	31.06'	L146	N27°33'30"W	11.31'
L78	S01°54'15"W	25.79'	L174	S19°42'45"W	48.33'
L79	N86°03'55"E	26.46'	L175	S88°51'26"E	15.58'
L83	S45°12'17"E	7.18'	L176	S35°11'52"W	55.30'

NO.	DATE	DESCRIPTION	BY	CHK'D
2	8-30-18	REVISED AT J.A. TR. 31; REVISED TCE 39E-2		DNY
1	3-23-18	REVISED T.P. TR. 39; ADDED TR. 98; CHANGED TRACT DESIGNATION TO 39E; ADDED SUB. INFO. TR. 39E & 92; DELETED AT. A. & RES. TR. 39; DELETED TCE 39E-1 & PDE 39E-3		DNY

NO. DATE DESCRIPTION BY CK'D
 DATE: December 2017 REVISIONS
 DESIGNED: Jeff Melville REVIEWED: Tom Alexander

FLEETWOOD DR. - HWY.227
 (WIDENING) (S)
 ARKANSAS STATE HIGHWAY COMMISSION
 RIGHT OF WAY MAP
 JOB CA0607 GARLAND COUNTY



SEE SHEET 19

INSPECTION REPORT

JOB:	CA0607	PROPERTY LOCATION	INSPECTED BY
TRACT:	59X	3107 Albert Pike	Connie Skinner (016972)
DATE:	11/1/2018	Hot Springs, AR	Sherman Whittle (015689)

On 1/22/2019, Connie Skinner and I conducted an inspection to determine if asbestos was in the building materials of a vacant building located at 3107 Albert Pike Rd. Hot Springs, Arkansas. The building is a 3,800SF single story brick and frame building, with an attached 1,400 SF lean-to. The inspection encompassed the entire facility. The building materials consisted of wood, concrete, brick, stucco, sheetrock compound (mud), linoleum, glass, and asphalt roofing material. The building materials were in poor to good condition (please see the table below). The overall condition of the building was good. The areas that were identified as having possible ACM are: Window putty, interior walls, flooring, ceiling, and roofing. All of the suspect materials were in poor to good condition at the time of the inspection.

Two to three samples were collected from each suspected asbestos containing material. All samples were collected in a random fashion in order to evaluate the asbestos content of each homogenous material. The window putty was not collected. Due to the age of the building, the window putty will be treated as if it contains asbestos.

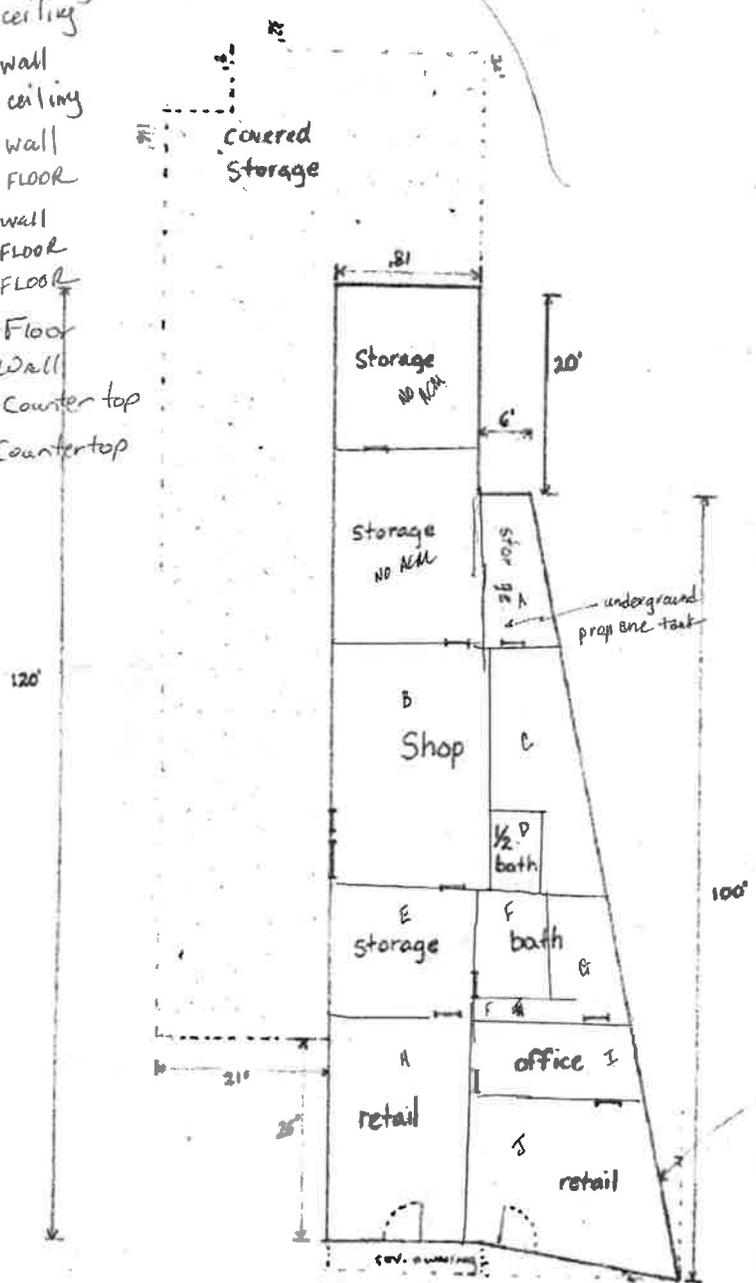
Sample	Description	Percent Asbestos	Condition
CA0607 Tr. 59X #1	C – Ceiling	None	Poor
CA0607 Tr. 59X #2	F – Wall	None	Poor
CA0607 Tr. 59X #3	F – Ceiling	None	Poor
CA0607 Tr. 59X #4	I – Ceiling	None	Poor
CA0607 Tr. 59X #5	E – Roofing	None	Poor
CA0607 Tr. 59X #6	E – Roofing	None	Poor
CA0607 Tr. 59X #7	E – Ceiling	None	Poor
CA0607 Tr. 59X #8	H – Wall	None	Poor
CA0607 Tr. 59X #9	J – Ceiling	None	Poor
CA0607 Tr. 59X #10	I – Wall	None	Poor
CA0607 Tr. 59X #11	I – Floor	7% Chrysotile	Good
CA0607 Tr. 59X #12	I – Wall	None	Poor
CA0607 Tr. 59X #13	I – Floor	23% Chrysotile	Poor
CA0607 Tr. 59X #14	I – Floor	6% Chyrstotile	Good
CA0607 Tr. 59X #15	J – Floor	21% Chrysotile	Good
CA0607 Tr. 59X #16	A – Wall	None	Poor
CA0607 Tr. 59X #17	C – Countertop	None	Poor
CA0607 Tr. 59X #18	C – Countertop	None	Poor

Homogenous areas are listed below.

Walls - Sheetrock	Ceiling	Floor	Roof	Siding
A thru D – Wood E thru J– sheetrock	A thru D – Wood E thru J - stucco	A thru H – concrete I – tile, J - linoleum	Asphalt shingles	Stucco and Brick

- 1) C-ceiling
- 2) F-wall
- 3) F-ceiling
- 4) I-ceiling
- 5) E-roofing
- 6) E-roofing
- 7) E-ceiling
- 8) H-wall
- 9) J-ceiling
- 10) I-wall
- 11) I-FLOOR
- 12) I-wall
- 13) I-FLOOR
- 14) I-FLOOR
- 15) J-FLOOR
- 16) A-Wall
- 17) C-Counter top
- 18) C-Countertop

A-D ceiling homogeneous
 F-homogeneous, floor/walls + cal



Tm
 N.
 3i

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 Quality

Crisp Analytical, L.L.C.
 1929 Old Denton Road
 Carrollton, TX 75006
 Phone 972-242-2754
 Fax 972-242-2798

CA Labs, L.L.C.
 12232 Industriplex, Suite 32
 Baton Rouge, LA 70809
 Phone 225-751-5632
 Fax 225-751-5634

Overview of Project Sample Material Containing Asbestos

Customer Project: Job CA0607, Tract 59X **CA Labs Project #:** CAL1901608AF

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
11	11-1	Floor/ gray floor tile	7% Chrysotile	gray floor tile yellow linoleum red floor tile brown linoleum
13	13-1	Floor/ yellow linoleum	23% Chrysotile	
14	14-1	Floor/ red floor tile	6% Chrysotile	
15	15-1	Floor/ brown linoleum	21% Chrysotile	
	15-3	yellow linoleum	24% Chrysotile	

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

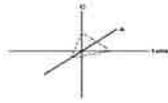
Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate	pe - perlite	fg - fiberglass	pa - palygorskite (clay)
gypsum - gypsum	qu - quartz	mw - mineral wool	
bi - binder		wo - wollastinite	
or - organic		ta - talc	
ma - matrix		sy - synthetic	
mi - mica		ce - cellulose	
ve - vermiculite		br - brucite	
ot - other		ka - kaolin (clay)	

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

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Crisp Analytical, L.L.C.
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Carrollton, TX 75006
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CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 59X
Turnaround Time:
3 Days

CA Labs Project #:
CAL1901608AF
Date: 1/30/2019
Samples Received: 1/25/19 10:30am
Date Of Sampling: 1/22/2019
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		1-1		Ceiling/ off-white surfaced off-white compound	n	None Detected		100% mi,qu,ca
2		2-1		Wall/ blue surfaced white compound	n	None Detected		100% mi,qu,ca
		2-2		white drywall with brown paper	n	None Detected	21% ce	79% qu,gy
3		3-1		Ceiling/ black surfaced white compound	n	None Detected		100% mi,qu,ca
		3-2		white drywall with brown paper	n	None Detected	20% ce	80% qu,gy
4		4-1		Ceiling/ tan surfaced white compound	n	None Detected		100% mi,qu,ca
		4-2		white drywall with brown paper	n	None Detected	22% ce	78% qu,gy

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Jeremy Ayars
Analyst

Tanner Rasmussen
Technical Manager

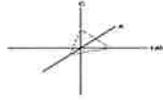
Julio Robles
Senior Analyst

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Carrollton, TX 75006
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Fax 972-242-2798



CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 59X
Turnaround Time:
3 Days

CA Labs Project #:
CAL1901608AF
Date: 1/30/2019
Samples Received: 1/25/19 10:30am
Date Of Sampling: 1/22/2019
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
5		5-1	Roofing/ black felt and black tar layers	n	None Detected	22% ce	78% qu,bi
6		6-1	Roofing/ black felt and black tar layers	n	None Detected	18% ce	82% qu,bi
7		7-1	Ceiling/ tan surfaced white compound	n	None Detected		100% mi,qu,ca
		7-2	white drywall with brown paper	n	None Detected	19% ce	81% qu,gy
8		8-1	Wall/ tan surfaced tan finishing compound	n	None Detected		100% qu,ca,bi
		8-2	tan plaster	y	None Detected		100% qu,ca
9		9-1	Ceiling/ white surfaced tan finishing compound	n	None Detected		100% qu,ca,bi

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Jeremy Ayars
Analyst

Tanner Rasmussen
Technical Manager

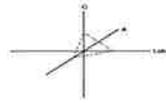
Julio Robles
Senior Analyst

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Carrollton, TX 75006
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Fax 972-242-2798



CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 59X
Turnaround Time:
3 Days

CA Labs Project #:
CAL1901608AF
Date: 1/30/2019
Samples Received: 1/25/19 10:30am
Date Of Sampling: 1/22/2019
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo-geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
12		12-1	Wall/ white surfaced white finishing compound	n	None Detected		100% qu,ca,bi
		12-2	tan plaster	y	None Detected		100% qu,ca
13		13-1	Floor/ yellow linoleum	y	23% Chrysotile		77% gy,ma
14		14-1	Floor/ red floor tile	y	6% Chrysotile		94% qu,ca
		14-2	black mastic	y	None Detected		100% gy,bi
15		15-1	Floor/ brown linoleum	y	21% Chrysotile		79% gy,ma
4		15-2	tan mastic				

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

identification of asbestos types by dispersion attaining / becke line method.

- | | | | |
|----------------|------------------|-------------------|--------------------------|
| ca - carbonate | mi - mica | fg - fiberglass | ce - cellulose |
| gy - gypsum | ve - vermiculite | mw - mineral wool | br - brucite |
| bi - binder | ot - other | wo - wollastonite | ka - kaolin (clay) |
| or - organic | pe - perlite | ta - talc | pa - palygorskite (clay) |
| ma - matrix | qu - quartz | sy - synthetic | |

Approved Signatories:


Jeremy Ayars
Analyst


Technical Manager
Tanner Rasmussen

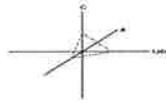

Senior Analyst
Julio Robles

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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
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PO Box 2261, Room 807
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Job CA0607, Tract 59X
Turnaround Time:
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CA Labs Project #:
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Date Of Sampling: 1/22/2019
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- gene- us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
	18-2	tan mastic			y	None Detected		100% gy,bi

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Jeremy Ayars
Analyst

Tanner Rasmussen
Technical Manager

Julio Robles
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ANALYSIS

PHOTOGRAPHS OF THE WHOLE



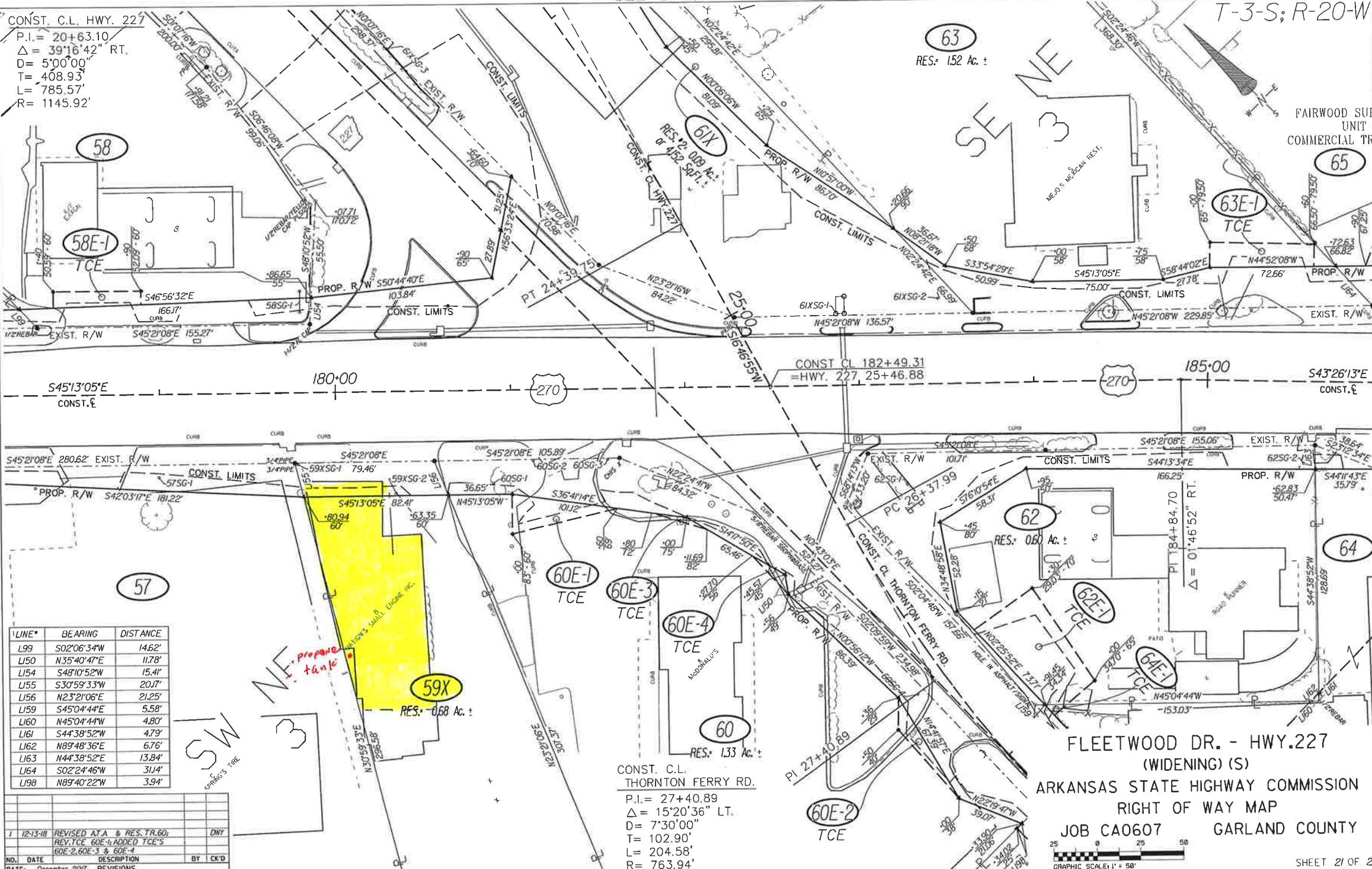
Description: Exterior front **Direction:** West **Date:** 2/13/18 **Initials:** CB



Description: Exterior front **Direction:** South **Date:** 2/13/18 **Initials:** CB



CONST. C.L. HWY. 227
 P.I. = 20+63.10
 $\Delta = 39^{\circ}18'42''$ RT.
 $D = 5^{\circ}00'00''$
 $T = 408.93'$
 $L = 785.57'$
 $R = 1145.92'$



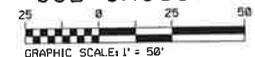
LINE#	BEARING	DISTANCE
L99	S02°06'34"W	14.62'
L150	N35°40'47"E	11.78'
L154	S48°10'52"W	15.41'
L155	S30°59'33"W	20.17'
L156	N23°21'06"E	21.25'
L159	S45°04'44"E	5.58'
L160	N45°04'44"W	4.80'
L161	S44°38'52"W	4.79'
L162	N89°48'36"E	6.76'
L163	N44°38'52"E	13.84'
L164	S02°24'46"W	31.14'
L198	N89°40'22"W	3.94'

NO.	DATE	DESCRIPTION	BY	CHK'D
1	12-13-18	REVISED AT.A & RES. TR. 60; REV. TCE 60E-1; ADDED TCE'S 60E-2, 60E-3 & 60E-4		DNY
DESIGNED:	DATE:	REVISIONS:		
DESIGNED: Jeff Melville	REVIEWED: Tom Alexander			

prop. propane tanks

CONST. C.L.
 THORNTON FERRY RD.
 P.I. = 27+40.89
 $\Delta = 15^{\circ}20'36''$ LT.
 $D = 7^{\circ}30'00''$
 $T = 102.90'$
 $L = 204.58'$
 $R = 763.94'$

FLEETWOOD DR. - HWY.227
 (WIDENING) (S)
 ARKANSAS STATE HIGHWAY COMMISSION
 RIGHT OF WAY MAP
 JOB CA0607 GARLAND COUNTY



INSPECTION REPORT

JOB:	CA0607	PROPERTY LOCATION	INSPECTED BY
TRACT:	61X - P	Hwy 270	Connie Skinner (016972)
DATE:	11/1/2018	Hot Springs, AR	Sherman Whittle (015689)

On 11/1/2018, Connie Skinner and I conducted an inspection to determine if asbestos was in the building materials of a vacant building located at 3060 Albert Pike Rd. Hot Springs, Arkansas. The building is a 11,000SF single story brick and frame building. The inspection encompassed the entire facility. The building materials consisted of wood, concrete, brick, stucco, sheetrock compound (mud), linoleum, glass, and asphalt roofing material. The building materials were in good condition . The overall condition of the building was good. The areas that were identified as having possible ACM are: interior and exterior walls, flooring, ceiling, and roofing. All of the suspect materials were in good condition at the time of the inspection.

Two to three samples were collected from each suspected asbestos containing material. All samples were collected in a random fashion in order to evaluate the asbestos content of each homogenous material.

Sample	Description	Percent Asbestos	Condition
#1 - (M) Wall		ND	Good
#2 - (L) Wall		ND	Good
#3 - (O) Wall		ND	Good
#4 - (S) Wall		ND	Good
#5 - (SS) Wall		ND	Good
#6 - (U) Wall		ND	Good
#7 - (X) Wall		ND	Good
#8 - (A) Ceiling		ND	Good
#9 - (R) Ceiling		ND	Good
#10 - (X) Ceiling		ND	Good
#11 - (J) Floor		ND	Good
#12 - (C) Floor		ND	Good
#13 - (SS) Floor		ND	Good
#14 - (L) Floor		ND	Good
#15 - (AA) Floor		ND	Good
#16 - (CC) Floor		ND	Good
#17 - (U) Floor		ND	Good
#18 - (X) Baseboard		ND	Good
#1 Out - Ext. Wall		ND	Good
#2 Out - Roof		ND	Good
#3 Out - Ext. Wall		ND	Good
#4 Out - Roof		ND	Good

Homogenous areas are listed below.

Walls - Sheetrock	Ceiling	Floor	Roof	Siding
A-J and CC - smooth gray	A-K, except C	A-I, Red/maroon carpet over concrete	Asphalt shingles and felt	Stucco and Brick
K and DD - smooth white	C - has some sheetrock panels	J - Tan Linoleum		
O,T, U, X, Y, Z, BB, AA,		CC, DD - White/green linoleum		
EE - Gray Textured		M-T, Dark gray carpet over concrete		

INSPECTION REPORT

<u>JOB:</u> CA0607	<u>PROPERTY LOCATION</u>	<u>INSPECTED BY</u>
<u>TRACT:</u> 61X - Q	Hwy 270	Connie Skinner (016972)
<u>DATE:</u> 11/1/2018	Hot Springs, AR	Sherman Whittle (015689)

Sample	Description	Percent Asbestos	Condition
#1 - (A) Floor		ND	Good
#2 - (A) Wall		ND	Good
#3 - (A) Wall		ND	Good
#4 - (A) Wall		ND	Good
#5 - (A) Wall		ND	Good
#6 - (A) Ceiling		ND	Good
#7 - (A) Ceiling		ND	Good
#8 - (D) Wall		ND	Good

Homogenous areas are listed below.

Walls - Sheetrock	Ceiling	Floor	Roof	Siding
A and B - Textured C and D - smooth	A thru D - tiles	A thru D carpet over concrete	Asphalt shingles and felt	Stucco and Brick

INSPECTION REPORT

JOB:	CA0607	PROPERTY LOCATION	INSPECTED BY
TRACT:	61X - R	Hwy 270	Connie Skinner (016972)
DATE:	11/1/2018	Hot Springs, AR	Sherman Whittle (015689)

Sample	Description	Percent Asbestos	Condition
#1 - (A) Floor		ND	Good
#2 - (B) Floor		ND	Good
#3 - (C) Floor		ND	Good
#4 - (A) Wall		ND	Good
#5 - (C) Wall		ND	Good

Homogenous areas are listed below.

Walls - Sheetrock	Ceiling	Floor	Roof	Siding
A and D	A thru D - tiles	A thru C Tile	Asphalt shingles and felt	Stucco and Brick

INSPECTION REPORT

<u>JOB:</u> CA0607	<u>PROPERTY LOCATION</u>	<u>INSPECTED BY</u>
<u>TRACT:</u> 61X - I	Hwy 270	Connie Skinner (016972)
<u>DATE:</u> 11/1/2018	Hot Springs, AR	Sherman Whittle (015689)

Sample	Description	Percent Asbestos	Condition
#1 - (A) Floor		ND	Good
#2 - (B) Floor		ND	Good
#3 - (B) Floor		ND	Good
#4 - (A) Wall		ND	Good
#5 - (D) Floor		ND	Good
#6 - (B) Wall		ND	Good
#7 - (F) Wall		ND	Good
#8 - (G) Wall		ND	Good
#9 - (D) Wall		ND	Good

Homogenous areas are listed below.

Walls - Sheetrock	Ceiling	Floor	Roof	Siding
A and B – Heavy Textured D and F – smooth F & G Light Textured	A thru G - tiles	A thru G carpet over Tile	Asphalt shingles and felt	Stucco and Brick

INSPECTION REPORT

<u>JOB:</u> CA0607	<u>PROPERTY LOCATION</u>	<u>INSPECTED BY</u>
<u>TRACT:</u> 61X - L	Hwy 270	Connie Skinner (016972)
<u>DATE:</u> 11/1/2018	Hot Springs, AR	Sherman Whittle (015689)

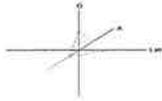
Sample	Description	Percent Asbestos	Condition
#1 - (A) Baseboard		ND	Good
#2 - (A) Wall		ND	Good
#3 - (A) Floor		ND	Good
#4 - (B) Wall		ND	Good
#5 - (C) Floor		ND	Good
#6 - (A) Floor		ND	Good

Homogenous areas are listed below.

Walls - Sheetrock	Ceiling	Floor	Roof	Siding
A thru F	A thru F - tiles	A - carpet C & D tan linoleum	Asphalt shingles and felt	Stucco and Brick

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Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Arkansas State Highway & Transportation Dept.

PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project: Job CA0607, Tract 61X-L
Reference #: CAL18117964AF

Date: 11/29/2018

Analysis and Method

Summary of polarized light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved)). The sample is first viewed with the aid of a stereomicroscope. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may contain trace amounts of actinolite/tremolite. When not detected by PLM, these samples should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may contain a regulated asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Since allowable variation in quantification of samples close to 1% is high, <1% may be reported. Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos or "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have completed college courses or hold a degree in a natural science (geology, biology, or environmental science). Recognition by a state professional board in one these disciplines is preferred, but not required. Extensive in-house training programs are used to augment the educational background of the analyst. The Laboratory Director and Quality Manager have received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

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Overview of Project Sample Material Containing Asbestos

Customer Project: Job CA0607, Tract 61X-L		CA Labs Project #: CAL18117964AF		
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types

No Asbestos Detected.

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate	pe - perlite	fg - fiberglass	pa - palygorskite (clay)
gypsum - gypsum	qu - quartz	mw - mineral wool	
bi - binder		wo - wollastinite	
or - organic		ta - talc	
ma - matrix		sy - synthetic	
mi - mica		ce - cellulose	
ve - vermiculite		br - brucite	
ot - other		ka - kaolin (clay)	

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 61X-L
Turnaround Time:
3 Days

CA Labs Project #:
CAL18117964AF
Date: 11/29/2018
Samples Received: 11/26/18 10:30am
Date Of Sampling: 11/1/2018
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
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CA0607 Tr. 61X #1		1-1	Baseboard/ gray baseboard	y	None Detected		100% gy,ma
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		1-2	tan mastic	y	None Detected		100% gy,bi
--	--	-----	------------	---	----------------------	--	------------

CA0607 Tr. 61X #2		2-1	Wall/ gray surfaced white compound	n	None Detected		100% mi,bi,ca
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		2-2	white compound (beneath tape)	y	None Detected		100% mi,ca
--	--	-----	-------------------------------	---	----------------------	--	------------

		2-3	white drywall with brown paper	n	None Detected	23% ce	77% qu,gy
--	--	-----	--------------------------------	---	----------------------	--------	-----------

CA0607 Tr. 61X #3		3-1	Floor/ blue carpeting	y	None Detected	100% sy	
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		3-2	tan mastic	y	None Detected		100% gy,bi
--	--	-----	------------	---	----------------------	--	------------

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

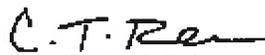
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Approved Signatories:



Tanner Rasmussen
Analyst



Technical Manager
Tanner Rasmussen
Senior Analyst
Julio Robles

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Job CA0607, Tract 61X-L
Turnaround Time:
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CA Labs Project #:
CAL18117964AF
Date: 11/29/2018
Samples Received: 11/26/18 10:30am
Date Of Sampling: 11/1/2018
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
----------	-------------	------------	---	-------------------------------	--	--------------------------------------	-------------------------------

CA0607 Tr. 61X #4		4-1	Wall/ gray surfaced white compound	n	None Detected		100% mi,bi,ca
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		4-2	white compound (beneath tape)	y	None Detected		100% mi,ca
--	--	-----	-------------------------------	---	---------------	--	------------

		4-3	white drywall with brown paper	n	None Detected	21% ce	79% qu,gy
--	--	-----	--------------------------------	---	---------------	--------	-----------

CA0607 Tr. 61X #5		5-1	Floor/ tan linoleum	y	None Detected	26% ce 7% fg	67% gy,ma
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		5-2	tan mastic	y	None Detected		100% gy,bi
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CA0607 Tr. 61X #6		6-1	Floor/ blue carpeting	y	None Detected	100% sy	
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		6-2	tan mastic	y	None Detected		100% gy,bi
--	--	-----	------------	---	---------------	--	------------

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

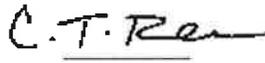
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:


Tanner Rasmussen
Analyst


Technical Manager
Tanner Rasmussen
Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested



Crisp Analytical Laboratories, L.L.C
 1929 Old Denton Rd.
 Carrollton, TX 75006

Phone: 972-272-2754
 Fax: 972-272-2798
 Mobile: 214-564-8366

Chain of Custody

Client Name:	ARDOT	CA Labs Job	CAL# 18117964
Client Address:	P.O. Box 2261 Room #807 Little Rock, AR 72203-2261	Billing Address:	(if different)
Phone number:	501-569-2317 or 2318	P.O. # :	Job #
Fax number:	501-569-2018	Project Name:	Tract 61X-L
Send Reports to:	sherman.whittle@ardot.gov connie.skinner@ardot.gov	Project Number:	Job CA0607

Total # Samples Submitted: 6	Total # Samples to be Analyzed: 6	Material Matrix: Air / Bulk / Water
------------------------------	-----------------------------------	--

Asbestos: Please call ahead for availability of all rush and/or after hours samples.

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
<i>Circle analysis and TA time</i>		<i>Circle analysis and TA time</i>			
AHERA	4 hour	Improved	4 hour	PCM: NIOSH 7400	Note TAT
EPA Level II	8 hour	Interim	8 hour	Allergen Particle:	24 hour
Drinking Water	16 hour		16 hour	tape/bulk/swab	2 days
Wipe	24 hour	AHERA	24 hour	Cyclex-d cassettes	3 days
Micro-vac	2 days		2 days	Air-o-cell cassettes	5-10 days
NIOSH 7402	3 days	Point Count -	3 days	Anderson cultures	Specify
Chatfield Bulk	5 days	(NESHAPS)	5 days	Bulk/swab cultures	Mold or
				Bacteria cultures	bacteria

Please indicate appropriate turn around time. (minimum turnaround - 3 Days for Lead TCLP and water)

Lead: Circle analysis and TA time

Sample Information:

Sample #:	Sample Location:	Sample Date/Time:	Sample Volume (L)
CA0607 Tr. 61X #1	(A) Baseboard	11/1/2018	
CA0607 Tr. 61X #2	(A) Wall	11/1/2018	
CA0607 Tr. 61X #3	(A) Floor	11/1/2018	
CA0607 Tr. 61X #4	(B) Wall	11/1/2018	
CA0607 Tr. 61X #5	(C) Floor	11/1/2018	
CA0607 Tr. 61X #6	(A) Floor	11/1/2018	

Custody Information:

Samples relinquished:

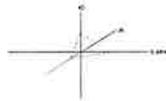
Connie Skinner 4/24/18 10:20 AM

Samples received:

JK 11/26/18 10:30 AM

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Crisp Analytical, L.L.C.
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Carrollton, TX 75006
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Fax 972-242-2798



CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Arkansas State Highway & Transportation Dept.

PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project: Job CA0607, Tract 61X-P

Reference #: CAL18117963AG

Date: 11/29/2018

Analysis and Method

Summary of polarized light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved)). The sample is first viewed with the aid of a stereomicroscope. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may contain trace amounts of actinolite/tremolite. When not detected by PLM, these samples should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may contain a regulated asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Since allowable variation in quantification of samples close to 1% is high, <1% may be reported. Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos or "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have completed college courses or hold a degree in a natural science (geology, biology, or environmental science). Recognition by a state professional board in one these disciplines is preferred, but not required. Extensive in-house training programs are used to augment the educational background of the analyst. The Laboratory Director and Quality Manager have received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

CA LabsDedicated to
Quality**Crisp Analytical, L.L.C.**1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798**CA Labs, L.L.C.**12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634Overview of Project Sample Material Containing Asbestos

Customer Project:		Job CA0607, Tract 61X-P	CA Labs Project #: CAL18117963AG	
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types

No Asbestos Detected.

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate	pe - perlite	fg - fiberglass	pa - palygorskite (clay)
gypsum - gypsum	qu - quartz	mw - mineral wool	
bi - binder		wo - wollastinite	
or - organic		ta - talc	
ma - matrix		sy - synthetic	
mi - mica		ce - cellulose	
ve - vermiculite		br - brucite	
ot - other		ka - kaolin (clay)	

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 61X-P
Turnaround Time:

CA Labs Project #:
CAL18117963AG
Date: 11/29/2018
Samples Received: 11/26/18 10:30AM
Date Of Sampling: 11/1/2018
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
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CA0607 Tr. 61X-1		CA0607 Tr. 61X-1-1	Wall/ green surfaced white compound	n	None Detected		100% qu,ca,bi
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		CA0607 Tr. 61X-1-2	white compound (beneath tape)	y	None Detected		100% mi,ca
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		CA0607 Tr. 61X-1-3	white drywall with brown paper	n	None Detected	23% ce	77% qu,gy
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CA0607 Tr. 61X-2		CA0607 Tr. 61X-2-1	Wall/ green surfaced white compound	n	None Detected		100% mi,ca,bi
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		CA0607 Tr. 61X-2-2	white compound (beneath tape)	y	None Detected		100% mi,ca
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		CA0607 Tr. 61X-2-3	white drywall with brown paper	n	None Detected	21% ce	79% qu,gy
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CA0607 Tr. 61X-3		CA0607 Tr. 61X-3-1	Wall/ tan surfaced white compound	n	None Detected		100% qu,ca,bi
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Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

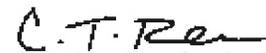
identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
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Approved Signatories:



Jeremy Ayars
Analyst



Technical Manager Senior Analyst
Tanner Rasmussen Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 61X-P
Turnaround Time:

CA Labs Project #:
CAL18117963AG

Phone # 501-569-2317
Fax # 501-569-2018

Date: 11/29/2018
Samples Received: 11/26/18 10:30AM
Date Of Sampling: 11/1/2018
Purchase Order #:

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		CA0607 Tr. 61X- 3-2	white compound (beneath tape)	y	None Detected		100% mi,ca
		CA0607 Tr. 61X- 3-3	white drywall with brown paper	n	None Detected	22% ce	78% qu,gy
CA0607 Tr. 61X-4		CA0607 Tr. 61X- 4-1	Wall/ blue surfaced white compound	n	None Detected		100% mi,ca,bi
		CA0607 Tr. 61X- 4-2	white compound (beneath tape)	y	None Detected		100% mi,ca
		CA0607 Tr. 61X- 4-3	white drywall with brown paper	n	None Detected	22% ce	78% qu,gy
CA0607 Tr. 61X-5		CA0607 Tr. 61X- 5-1	Wall/ tan surfaced white compound	n	None Detected		100% mi,ca,bi
		CA0607 Tr. 61X- 5-2	white compound (beneath tape)	y	None Detected		100% mi,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

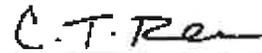
identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:



Jeremy Ayars
Analyst



Technical Manager Senior Analyst
Tanner Rasmussen Julio Robles

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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 61X-P
Turnaround Time:

CA Labs Project #:
CAL18117963AG
Date: 11/29/2018
Samples Received: 11/26/18 10:30AM
Date Of Sampling: 11/1/2018
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
CA0607 Tr. 61X-9		CA0607 Tr. 61X-9-1	Ceiling/ white surfacing	y	None Detected		100% qu,bi
		CA0607 Tr. 61X-9-2	tan ceiling tile	y	None Detected	41% fg 38% ce	21% qu,ca,pe
CA0607 Tr. 61X-10		CA0607 Tr. 61X-10-1	Ceiling/ white surfacing	y	None Detected		100% qu,bi
		CA0607 Tr. 61X-10-2	tan ceiling tile	y	None Detected	41% fg 40% ce	19% qu,ca,pe
CA0607 Tr. 61X-11		CA0607 Tr. 61X-11-1	Floor/ white self-adhesive floor tile	y	None Detected		100% gy,ma,ot
		CA0607 Tr. 61X-11-2	clear mastic	y	None Detected		100% gy,bi
CA0607 Tr. 61X-12		CA0607 Tr. 61X-12-1	Floor/ red carpeting	y	None Detected	100% sy	

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

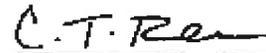
identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
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bl - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:



Jeremy Ayars
Analyst



Tanner Rasmussen
Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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Polarized Light Asbestiform Materials Characterization

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Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 61X-P
Turnaround Time:

CA Labs Project #:
CAL18117963AG

Phone # 501-569-2317
Fax # 501-569-2018

Date: 11/29/2018
Samples Received: 11/26/18 10:30AM
Date Of Sampling: 11/1/2018
Purchase Order #:

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		CA0607 Tr. 61X- 12-2	tan mastic	y	None Detected		100% gy,bi
CA0607 Tr. 61X-13		CA0607 Tr. 61X- 13-1	Floor/ off-white self-adhesive floor tile	y	None Detected		100% gy,ma,ot
		CA0607 Tr. 61X- 13-2	clear mastic	y	None Detected		100% gy,bi
CA0607 Tr. 61X-14		CA0607 Tr. 61X- 14-1	Floor/ tan mastic with debris	n	None Detected	4% sy	96% gy,bi
		CA0607 Tr. 61X- 14-2	black self-adhesive floor tile	y	None Detected		100% gy,ma,ot
CA0607 Tr. 61X-15		CA0607 Tr. 61X- 15-1	Floor/ brown carpeting	y	None Detected	100% sy	
		CA0607 Tr. 61X- 15-2	tan mastic	y	None Detected		100% gy,bi

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

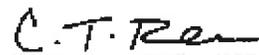
identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:



Jeremy Ayars
Analyst



Tanner Rasmussen Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
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10. TEM analysis suggested

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Phone 225-751-5632
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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Arkansas State Highway & Transportation Dept. PO Box 2261, Room 807 Little Rock, AR 72203-2261	Customer Project: Job CA0607, Tract 61X-P Turnaround Time:	CA Labs Project #: CAL18117963AG Date: 11/29/2018 Samples Received: 11/26/18 10:30AM Date Of Sampling: 11/1/2018 Purchase Order #:
Phone # 501-569-2317 Fax # 501-569-2018		

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
CA0607 Tr. 61X-16		CA0607 Tr. 61X-16-1	Floor/ white linoleum	y	None Detected	26% ce 3% fg	71% gy,ma
		CA0607 Tr. 61X-16-2	tan mastic	y	None Detected		100% gy,bi
CA0607 Tr. 61X-17		CA0607 Tr. 61X-17-1	Floor/ brown carpeting	y	None Detected	100% sy	
		CA0607 Tr. 61X-17-2	tan mastic	y	None Detected		100% gy,bi
CA0607 Tr. 61X-18		CA0607 Tr. 61X-18-1	Baseboard/ green baseboard	y	None Detected		100% gy,ma
		CA0607 Tr. 61X-18-2	tan mastic	y	None Detected		100% gy,bi
CA0607 Tr. 61X 1-OUT		CA0607 Tr. 61X 1-OUT-1	Exterior Wall/ gray plaster	y	None Detected	3% fg	97% qu,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

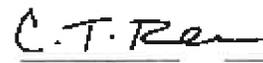
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:


Jeremy Ayars
Analyst


Tanner Rasmussen
Technical Manager


Julio Robles
Senior Analyst

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested



Crisp Analytical Laboratories, L.L.C
1929 Old Denton Rd.
Carrollton, TX 75006

Phone: 972-272-2754
Fax: 972-272-2798
Mobile: 214-564-8366

Chain of Custody

Client Name:	ARDOT	CA Labs Job	CAL# 18117963
Client Address:	P.O. Box 2261 Room #807 Little Rock, AR 72203-2261	Billing Address:	(if different)
Phone number:	501-569-2317 or 2318	P.O. # :	Job #
Fax number:	501-569-2018	Project Name:	Tract 61X-P
Send Reports to:	sherman.whittle@ardot.gov connie.skinner@ardot.gov	Project Number:	Job CA0607

Total # Samples Submitted: 22	Total # Samples to be Analyzed: 22	Material Matrix: Air / Bulk / Water
--------------------------------------	---	---

Asbestos: Please call ahead for availability of all rush and/or after hours samples.

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
<i>Circle analysis and TA time</i>		<i>Circle analysis and TA time</i>	2 hour	PCM: NIOSH 7400	Note TAT
AHERA	4 hour	Improved	4 hour	Allergen Particle:	24 hour
EPA Level II	8 hour	Interim	8 hour	tape/bulk/swab	2 days
Drinking Water	16 hour		16 hour	Cyclex-d cassettes	3 days
Wipe	24 hour	AHERA	24 hour	Air-o-cell cassettes	5-10 days
Micro-vac	2 days		2 days	Anderson cultures	Specify
NIOSH 7402	3 days	Point Count -	3 days	Bulk/swab cultures	Mold or
Chatfield Bulk	5 days	(NESHAPS)	5 days	Bacteria cultures	bacteria

Please indicate appropriate turn around time. (minimum turnaround - 3 Days for Lead TCLP and water)

Lead: Circle analysis and TA time

Sample Information:

Sample #:	Sample Location:	Sample Date/Time:	Sample Volume (L)
CA0607 Tr. 61X #1	(M) Wall	11/1/2018	
CA0607 Tr. 61X #2	(L) Wall	11/1/2018	
CA0607 Tr. 61X #3	(O) Wall	11/1/2018	
CA0607 Tr. 61X #4	(S) Wall	11/1/2018	
CA0607 Tr. 61X #5	(SS) Wall	11/1/2018	
CA0607 Tr. 61X #6	(U) Wall	11/1/2018	
CA0607 Tr. 61X #7	(X) Wall	11/1/2018	
CA0607 Tr. 61X #8	(A) Ceiling	11/1/2018	
CA0607 Tr. 61X #9	(R) Ceiling	11/1/2018	
CA0607 Tr. 61X #10	(X) Ceiling	11/1/2018	
		11/1/2018	

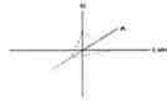
Custody Information:

Samples relinquished: Connie Skinner 11/21/2018 10:20AM

Samples received: 11/26/18 10:30AM

CA Labs
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Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798



CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Arkansas State Highway & Transportation Dept.

PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project: Job CA0607, Tract 61X-Q

Reference #: CAL18117965AF

Date: 11/29/2018

Analysis and Method

Summary of polarized light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved)). The sample is first viewed with the aid of a stereomicroscope. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may contain trace amounts of actinolite/tremolite. When not detected by PLM, these samples should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may contain a regulated asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Since allowable variation in quantification of samples close to 1% is high, <1% may be reported. Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos or "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have completed college courses or hold a degree in a natural science (geology, biology, or environmental science). Recognition by a state professional board in one these disciplines is preferred, but not required. Extensive in-house training programs are used to augment the educational background of the analyst. The Laboratory Director and Quality Manager have received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

CA Labs
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Crisp Analytical, L.L.C.
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Carrollton, TX 75006
Phone 972-242-2754
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CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 61X-Q
Turnaround Time:
3 Days

CA Labs Project #:
CAL18117965AF
Date: 11/29/2018
Samples Received: 11/26/18 10:30am
Date Of Sampling: 11/1/2018
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo-geneo-us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		3-2	white compound (beneath tape)	y	None Detected		100% mi,ca
		3-3	white drywall with brown paper	n	None Detected	25% ce	75% qu,gy
CA0607, Tract 61X #4		4-1	Wall/ tan surfaced white compound	n	None Detected		100% mi,bi,ca
		4-2	white compound (beneath tape)	y	None Detected		100% mi,ca
		4-3	white drywall with brown paper	n	None Detected	27% ce	73% qu,gy
CA0607, Tract 61X #5		5-1	Wall/ tan surfaced white compound	n	None Detected		100% mi,bi,ca
		5-2	white compound (beneath tape)	y	None Detected		100% mi,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

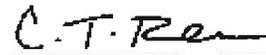
identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:



Robert Olivarez
Analyst



Technical Manager Senior Analyst
Tanner Rasmussen Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 61X-Q
Turnaround Time:
3 Days

CA Labs Project #:
CAL18117965AF
Date: 11/29/2018
Samples Received: 11/26/18 10:30am
Date Of Sampling: 11/1/2018
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo-geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		5-3	white drywall with brown paper	n	None Detected	24% ce	76% qu,gy
CA0607, Tract 61X #6		6-1	Ceiling/ white surfacing	y	None Detected		100% qu,bi
		6-2	tan ceiling tile	y	None Detected	38% ce 39% fg	23% qu,pe,ot
CA0607, Tract 61X #7		7-1	Ceiling/ white surfacing	y	None Detected		100% qu,bi
		7-2	tan ceiling tile	y	None Detected	37% ce 37% fg	26% qu,pe,ot
CA0607, Tract 61X #8		8-1	Wall/ tan surfaced white compound	n	None Detected		100% mi,bi,ca
		8-2	white compound (beneath tape)	y	None Detected		100% mi,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

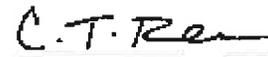
identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:



Robert Olivarez
Analyst



Tanner Rasmussen Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
 Dedicated to
 Quality

Crisp Analytical, L.L.C.
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 Carrollton, TX 75006
 Phone 972-242-2754
 Fax 972-242-2798

CA Labs, L.L.C.
 12232 Industriplex, Suite 32
 Baton Rouge, LA 70809
 Phone 225-751-5632
 Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
 PO Box 2261, Room 807
 Little Rock, AR 72203-2261

Customer Project:
 Job CA0607, Tract 61X-Q
Turnaround Time:
 3 Days

CA Labs Project #:
 CAL18117965AF

Phone # 501-569-2317
 Fax # 501-569-2018

Date: 11/29/2018
Samples Received: 11/26/18 10:30am
Date Of Sampling: 11/1/2018
Purchase Order #:

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
8-3	white drywall with brown paper		n	None Detected		27% ce	73% qu,gy	

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

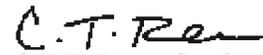
identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:



Robert Olivarez
 Analyst



Tanner Rasmussen
 Technical Manager
 Senior Analyst
 Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
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6. Anthophyllite In association with Fibrous Talc
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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested



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 1929 Old Denton Rd.
 Carrollton, TX 75006

Phone: 972-272-2754
 Fax: 972-272-2798
 Mobile: 214-564-8366

Chain of Custody

Client Name:	ARDOT	CA Labs Job	CAL# 1817965
Client Address:	P.O. Box 2261 Room #807 Little Rock, AR 72203-2261	Billing Address:	(if different)
Phone number:	501-569-2317 or 2318	P.O. # :	Job #
Fax number:	501-569-2018	Project Name:	Tract 61X-Q
Send Reports to:	sherman.whittle@ardot.gov connie.skinner@ardot.gov	Project Number:	Job CA0607

Total # Samples Submitted: 8	Total # Samples to be Analyzed: 8	Material Matrix: Air / Bulk / Water
-------------------------------------	--	--

Asbestos: Please call ahead for availability of all rush and/or after hours samples.

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
<i>Circle analysis and TA time</i>		<i>Circle analysis and TA time</i>	2 hour	PCM: NIOSH 7400	Note TAT
AMERA	4 hour	Improved	4 hour	Allergen Particle:	24 hour
EPA Level II	8 hour	Interim	8 hour	tape/bulk/swab	2 days
Drinking Water	16 hour		16 hour	Cyclex-d cassettes	3 days
Wipe	24 hour	AMERA	24 hour	Air-o-cell cassettes	5-10 days
Micro-vac	2 days		2 days	Anderson cultures	Specify
NIOSH 7402	3 days	Point Count -	3 days	Bulk/swab cultures	Mold or
Chatfield Bulk	5 days	(NESHAPS)	5 days	Bacteria cultures	bacteria

Please indicate appropriate turn around time. (minimum turnaround - 3 Days for Lead TCLP and water)

Lead: Circle analysis and TA time

Sample Information:

Sample #:	Sample Location:	Sample Date/Time:	Sample Volume (L)
CA0607 Tr. 61X #1	(A) Floor	11/1/2018	
CA0607 Tr. 61X #2	(A) Wall	11/1/2018	
CA0607 Tr. 61X #3	(A) Wall	11/1/2018	
CA0607 Tr. 61X #4	(A) Wall	11/1/2018	
CA0607 Tr. 61X #5	(A) Wall	11/1/2018	
CA0607 Tr. 61X #6	(A) Ceiling	11/1/2018	
CA0607 Tr. 61X #7	(A) Ceiling	11/1/2018	
CA0607 Tr. 61X #8	(D) Wall	11/1/2018	

Custody Information:

Samples relinquished:

Connie Skinner 11/26/18 10:20 AM

Samples received:

11/26/18 10:30 AM

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Crisp Analytical, L.L.C.
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Carrollton, TX 75006
Phone 972-242-2754
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CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
PO Box 2261, Room 807
Little Rock, AR 72203-2261

Customer Project:
Job CA0607, Tract 61X-R
Turnaround Time:
3 days

CA Labs Project #:
CAL18117962AG
Date: 11/29/2018
Samples Received: 11/26/18 10:30AM
Date Of Sampling: 11/1/2018
Purchase Order #:

Phone # 501-569-2317
Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- gene- ous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
CA0607 Tr.61X-1		1-1	Floor/ white floor tile	y	None Detected		100% qu,ca
		1-2	tan mastic	y	None Detected		100% gy,bi
CA0607 Tr.61X-2		2-1	Floor/ white floor tile	y	None Detected		100% qu,ca
		2-2	tan mastic	y	None Detected		100% gy,bi
CA0607 Tr.61X-3		3-1	Floor/ gray self-adhesive floor tile	y	None Detected	3% sy	97% gy,ma,ot
CA0607 Tr.61X-4		4-1	Wall/ white surfaced white compound	n	None Detected		100% mi,ca,bi
		4-2	white compound (beneath tape)	y	None Detected		100% mi,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

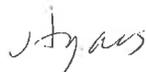
AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

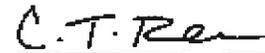
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:



Jeremy Ayars
Analyst



Tanner Rasmussen
Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
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Quality

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 Carrollton, TX 75006
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 Fax 972-242-2798

CA Labs, L.L.C.
 12232 Industriplex, Suite 32
 Baton Rouge, LA 70809
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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn:
Arkansas State Highway & Transportation Dept.
 PO Box 2261, Room 807
 Little Rock, AR 72203-2261

Customer Project:
 Job CA0607, Tract 61X-R
Turnaround Time:
 3 days

CA Labs Project #:
 CAL18117962AG
Date: 11/29/2018
Samples Received: 11/26/18 10:30AM
Date Of Sampling: 11/1/2018
Purchase Order #:

Phone # 501-569-2317
 Fax # 501-569-2018

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		4-3	white drywall with brown paper	n	None Detected	19% ce	81% qu,gy
CA0607 Tr.61X-5			Wall/ white surfaced white 5-1 compound	n	None Detected		100% mi,ca,bi
		5-2	white drywall with brown paper	n	None Detected	18% ce	82% qu,gy

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

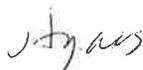
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

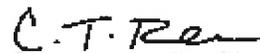
identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:



Jeremy Ayars
 Analyst



Technical Manager Senior Analyst
 Tanner Rasmussen Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested



Crisp Analytical Laboratories, L.L.C
 1929 Old Denton Rd.
 Carrollton, TX 75006

Phone: 972-272-2754
 Fax: 972-272-2798
 Mobile: 214-564-8366

Chain of Custody

Client Name:	ARDOT	CA Labs Job	CAL# 18117962
Client Address:	P.O. Box 2261 Room #807 Little Rock, AR 72203-2261	Billing Address: (if different)	
Phone number:	501-569-2317 or 2318	P.O. # :	Job #
Fax number:	501-569-2018	Project Name:	Tract 61X-R
Send Reports to:	<u>sherman.whittle@ardot.gov</u> <u>connie.skinner@ardot.gov</u>	Project Number:	Job CA0607

Total # Samples Submitted: 5	Total # Samples to be Analyzed: 5	Material Matrix: Air / Bulk / Water
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Asbestos: Please call ahead for availability of all rush and/or after hours samples.

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
<i>Circle analysis and TA time</i>		<i>Circle analysis and TA time</i>	2 hour	PCM: NIOSH 7400	Note TAT
AHERA	4 hour	Improved	4 hour	Allergen Particle:	24 hour
EPA Level II	8 hour	Interim	8 hour	tape/bulk/swab	2 days
Drinking Water	16 hour		16 hour	Cyclex-d cassettes	3 days
Wipe	24 hour	AHERA	24 hour	Air-o-cell cassettes	5-10 days
Micro-vac	2 days		2 days	Anderson cultures	Specify
NIOSH 7402	3 days	Point Count -	3 days	Bulk/swab cultures	Mold or
Chatfield Bulk	5 days	(NESHAPS)	5 days	Bacteria cultures	bacteria

Please indicate appropriate turn around time. (minimum turnaround - 3 Days for Lead TCLP and water)

Lead: Circle analysis and TA time

Sample Information:

Sample #:	Sample Location:	Sample Date/Time:	Sample Volume (L)
CA0607 Tr. 61X #1	(A) Floor	11/1/2018	
CA0607 Tr. 61X #2	(B) Floor	11/1/2018	
CA0607 Tr. 61X #3	(C) Floor	11/1/2018	
CA0607 Tr. 61X #4	(A) Wall	11/1/2018	
CA0607 Tr. 61X #5	(C) Wall	11/1/2018	

Custody Information:

Samples relinquished: Connie Skinner 11/21/18 10:20AM Samples received: [Signature] 11/26/18 10:30AM

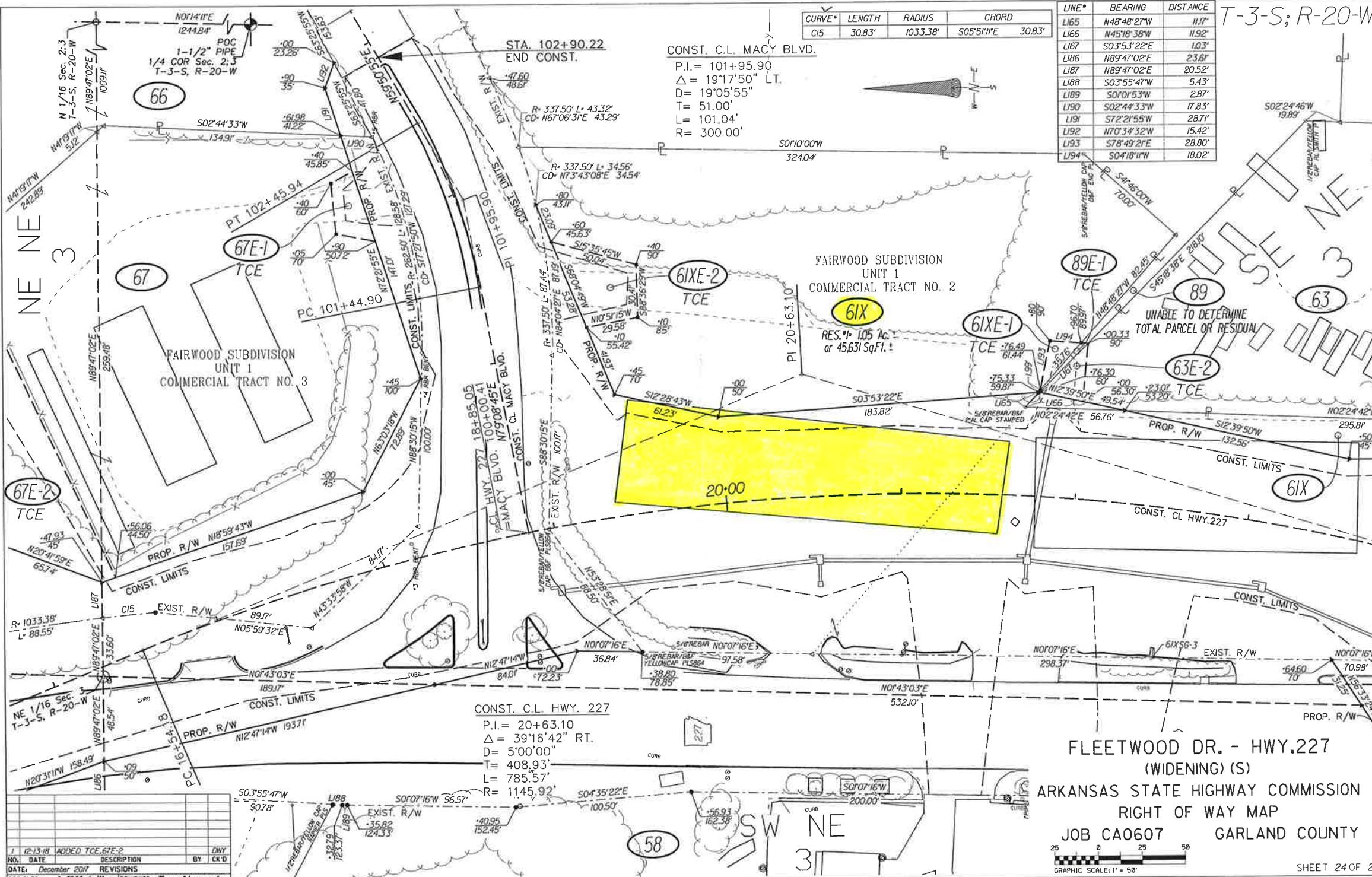


T-3-S; R-20-W

CURVE*	LENGTH	RADIUS	CHORD
C15	30.83'	1033.38'	S05°51'11"E 30.83'

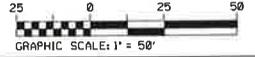
LINE*	BEARING	DISTANCE
L165	N48°48'27"W	11.17'
L166	N45°18'38"W	11.92'
L167	S03°53'22"E	10.3'
L186	N89°47'02"E	23.61'
L187	N89°47'02"E	20.52'
L188	S03°55'47"W	5.43'
L189	S07°05'33"W	2.87'
L190	S02°44'33"W	17.83'
L191	S72°21'55"W	28.71'
L192	N70°34'32"W	15.42'
L193	S78°49'21"E	28.80'
L194	S04°18'11"W	18.02'

CONST. C.L. MACY BLVD.
 P.I. = 101+95.90
 $\Delta = 19°17'50"$ LT.
 $D = 19°05'55"$
 $T = 51.00'$
 $L = 101.04'$
 $R = 300.00'$



CONST. C.L. HWY. 227
 P.I. = 20+63.10
 $\Delta = 39°16'42"$ RT.
 $D = 5°00'00"$
 $T = 408.93'$
 $L = 785.57'$
 $R = 1145.92'$

FLEETWOOD DR. - HWY.227
 (WIDENING) (S)
 ARKANSAS STATE HIGHWAY COMMISSION
 RIGHT OF WAY MAP
 JOB CA0607 GARLAND COUNTY



NO.	DATE	DESCRIPTION	BY	CHK'D
1	12-15-18	ADDED TCE 61E-2		DWY
		REVISIONS		

DESIGNED: Jeff Melville REVIEWED: Tom Alexander

SEE SHEET 21