

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

Bid Number: M-18-017P

**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: October 17, 2017 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 Hwy. 110 – Clinton Widening (S), Route 65, Section 7, Van Buren County; as per attached work list for Tracts 3X, 4X, 9X, 39X, 69X, 100X, 112X, 134X, 141X & 146X - Job CA0801.

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: Sherman Whittle, Property Manager (501-569-2318)

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) and Disclosure Form (see Page 2 of Standard Bid Conditions – Item 18) issued with this bid. A current copy of the DFA Illegal Immigrant Contractor Disclosure Certification (see Page 2 of Standard Bid Conditions – Item 17) should also be submitted with 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 Highway & Transportation Department 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.arkansashighways.com](http://www.arkansashighways.com) and clicking on “Commodities and Services Bids/Contracts Information”. Tabulations will also be available at this site within 72 hours after bid opening. If you have any questions, call this office at 501-569-2667.

(12-0060) 32-00

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

Bid No. M-18-017P

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 authorized to do business in Arkansas, and must be signed by a Resident Local Agent licensed by the Arkansas State Insurance Commissioner to represent that surety company. Resident Agent's Power-of-Attorney must accompany the surety bond. 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](mailto: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. Bidders shall certify online at <https://www.ark.org/dfa/immigrant/index.php>.
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. _____

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

**Job CA0801  
Hwy. 110 – Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tracts 3X, 4X, 9X, 39X, 69X, 100X, 112X, 134X, 141X & 146X**

Notice is hereby given that the Arkansas Department of Transportation will offer by bid the following asbestos abatement and demolition work to be **completed thirty (30) days after the last dated signature on the contract:**

**SEE ATTACHED WORK LIST AND SKETCHES**

**Scope of work will be: the contractor is to remove all material that contains asbestos from the areas as indicated on the Work List Bid Form listed on the above mentioned job and tract. Once the abatement work is complete, the contractor will demolish and remove the building and all debris in the right of way as listed on the above mentioned job and tract. Contractor will not leave any ruts or large pieces of debris on this job site. All waste material found in the right of way must be disposed of in an ADEQ approved landfill. Contractor will leave the work site in a manner as such that it can be mowed and maintained safely.**

Bid price shall include the ten (10) working day notification to Arkansas Department of Environmental Quality (ADEQ) for Demolition, permits, taxes, labor, equipment, material, license, and insurance necessary to complete the work. Actual quantity of material to be removed may differ slightly from the estimated amount shown above. 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. **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.** 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. 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. Contractor will be required to comply with the provisions of “Appendix A and E” (Required Contract Provisions Federal-Aid Construction Contracts) that will be attached and made a part of the bid and contract.

**R7:19-11-234. Ethical Standards. In accordance with Ark. Code Ann. § 19-11-708(a), (b), and (c), the following statement must be conspicuously set forth in all contracts and solicitations costing more than ten thousand dollars(\$10,000.00): “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 or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees of bona fide established commercial selling agencies maintained by the contractor for the purpose of securing business.”**



All combustible materials, construction material, and all other rubbish, including shrubbery and trees, which are cut or uprooted to facilitate operations, will be cleared from the premises by the contractor, and in all other respects, the premises will be left in a generally level, safe, and sanitary condition, a condition in which it can be mowed and maintained safely. The contractor shall endeavor to avoid unnecessary damage or destruction of trees, shrubs, and plants on the premises.

Contractors are not required to hold an asbestos certification to place a bid on demolition projects. However, contractors who are not certified to remove asbestos would have to subcontract an abatement contractor that has a current license issued by the Arkansas Department of Environmental Quality for the removal of asbestos. Asbestos Abatement has been added to the items below in the event asbestos is discovered during demolition.

**For demolition, State law requires a Contractor’s License for jobs over \$50,000.00.** Changes in the scope of work must have prior approval by the Departments Property Manager in order to be eligible for payment.

NOTE: Dumping of asbestos waste material and construction debris shall be at a landfill permitted by the Arkansas Department of Environmental Quality (ADEQ) or at an un-permitted site approved by ADEQ.

NOTICE: Lump sum bids are paid after completion and accepted by Property Management. No partial payments are allowed on lump sum bids.

**All work must be completed thirty (30) days after the last dated signature on the contract. The starting and ending dates on the (NOI) Notice of Intent to ADEQ should reflect the completion date. A copy of the (NOI) must be sent to Property Management showing the start and ending dates. Failure to meet this date will result in liquidated damages at the rate of \$120.00 per day.**

Please call the Department’s Property Manager at 501-569-2318 for additional information. Bids must be received no later than the date and time listed on the Bid Invitation. The Department reserves the right to reject any and all bids.

\_\_\_\_\_  
License #

\_\_\_\_\_  
Contact Person & Telephone #

Name, Address, phone # of Disposal Site: \_\_\_\_\_



**Tract 39X – 2981 Hwy 65 N. Clinton, AR**

Abate Approximately:  
500 SF of chrysotile areas sampled 5 thru 8.  
(2 rooms at the rear of the house)

Unit Price                      Extended Price  
\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_

Demolition:

1,450 SF 1-S-Frame Dwelling with basement  
625 SF 1-S-Frame Shed  
875 SF 1-S-Frame Shed  
Septic System

\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_ /EA      \$ \_\_\_\_\_  
\$ \_\_\_\_\_  
\$ \_\_\_\_\_

   Total Demolition  
   Total Abatement and Demolition Tract 39X

**Tract 69X – 3841 Hwy 65 N. Clinton, AR**

No abatement necessary:

Demolition:

800 SF Mobile home  
Septic System

Unit Price                      Extended Price  
\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_ /EA      \$ \_\_\_\_\_  
\$ \_\_\_\_\_  
\$ \_\_\_\_\_

   Total Demolition  
   Total Demolition Tract 69X

**Tract 100X – 5563 Hwy 65 N. Clinton, AR**

Abate Approximately:  
2,100 SF of chrysotile areas 11, 12, and 13.  
(Kitchen, bedroom, and bedroom)

Unit Price                      Extended Price  
\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_

   Total Abatement

Demolition:

1,400 SF 1-S-Frame Dwelling

\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_  
\$ \_\_\_\_\_

   Total Demolition  
   Total Abatement and Demolition Tract 100X

**Tract 112X – 152 Hemming Road Clinton, AR**

Abate Approximately:  
1,340 SF of chrysotile in the ceiling of areas A thru H.  
1,930 SF of chrysotile in walls of areas A thru E.  
(including the hallway)

Unit Price                      Extended Price  
\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_

   Total Abatement

Demolition:

1,440 SF 1-S-Frame Dwelling  
Cap Well  
Septic System  
Propane tank (underground)

\$ \_\_\_\_\_ /SF      \$ \_\_\_\_\_  
\$ \_\_\_\_\_ /EA      \$ \_\_\_\_\_  
\$ \_\_\_\_\_ /EA      \$ \_\_\_\_\_  
\$ \_\_\_\_\_ /EA      \$ \_\_\_\_\_  
\$ \_\_\_\_\_  
\$ \_\_\_\_\_

   Total Demolition  
   Total Abatement and Demolition Tract 112X

**Tract 134X – 6918 Hwy 65 N. Clinton, AR**

No abatement necessary:

Demolition:

1,400 SF 1-S-Frame Dwelling

Septic System

Total Demolition  
Total Demolition Tract 134X

Unit Price

Extended Price

\$ \_\_\_\_\_ /SF \$ \_\_\_\_\_

\$ \_\_\_\_\_ /EA \$ \_\_\_\_\_

\$ \_\_\_\_\_

\$ \_\_\_\_\_

**Tract 141X – Watergate Rd and Hwy 65 N. Clinton, AR**

*Note - To be treated as total asbestos demolition:*

*Please see special instructions listed below.*

Demolition:

1,250 SF 1-S-Stucco Building

Septic System

Total Abatement & Demolition Tract 141X

Unit Price

Extended Price

\$ \_\_\_\_\_ /SF \$ \_\_\_\_\_

\$ \_\_\_\_\_ /EA \$ \_\_\_\_\_

\$ \_\_\_\_\_

**Tract 146X – 7519 Hwy 65 N. Clinton, AR**

No abatement necessary:

Demolition:

450 SF 1-S-Frame Building

Septic System

Total Demolition Tract 146X

Unit Price

Extended Price

\$ \_\_\_\_\_ /SF \$ \_\_\_\_\_

\$ \_\_\_\_\_ /EA \$ \_\_\_\_\_

\$ \_\_\_\_\_

**Total Lump Sum Price of Abatement & Demolition**

=====

**Note 1: Read “Demolition” and “Job Bid Requirements” for extent of Demolition Bid.**

**Note 2: This document is to be returned with bid and becomes part of the contract.**

**DEMOLITION:** For contract bidding purposes, demolition per square foot includes removal of any and all improvements within the acquired proposed right of way. All structures must be completely removed, including but not limited to: slabs, footings, foundations, basements, posts, poles, decks, fences and all debris. The contractor must leave the work site in a safe and level condition.

**Special Instructions:**

**Tract 4X – There is a well located on the south side of the dwelling. The contractor is not to damage the well. The well was capped and made safe at the time of Property Management’s inspection. Please let Property Management know if the well gets damaged during demolition.**

**Tract 141 is not safe for abatement and therefore shall be treated as if all building materials contain asbestos. The demolition of Tract 141X shall be overseen by a certified asbestos contractor. (Wet demolition methods shall be applied.)**

*Contractors are not required to hold an asbestos certification to place a bid on demolition projects. However, contractors who are not certified to remove asbestos would have to subcontract an abatement contractor that has a current license/certification issued by the Arkansas Department of Environmental Quality for the removal of 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.

Analysis was performed by Crisp Analytical Laboratories, L.L.C., Carrollton, TX and EMC Labs, Inc. Phoenix, AZ. Crisp Analytical Laboratories, L.L.C. and EMC Labs, Inc. are solely responsible for all analytical results contained in and referred to in this report.

## APPENDIX A

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.
4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
  - a. withholding payments to the contractor under the contract until the contractor complies; and/or
  - b. cancelling, terminating, or suspending a contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or

the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

## APPENDIX E

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

### Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).





3x



4x



9x



39x

**ANALYSIS**



DESCRIPTION: Acquisition INITIALS: AL  
DIRECTION: North DATE: 9-15-2016



DESCRIPTION: Acquisition INITIALS: AL  
DIRECTION: Northwest DATE: 9-15-2016



COX

12.12.2016 13:27

**ACQUISITION PHOTOS**



**LOOKING WEST, 9/10/2016, CMP**



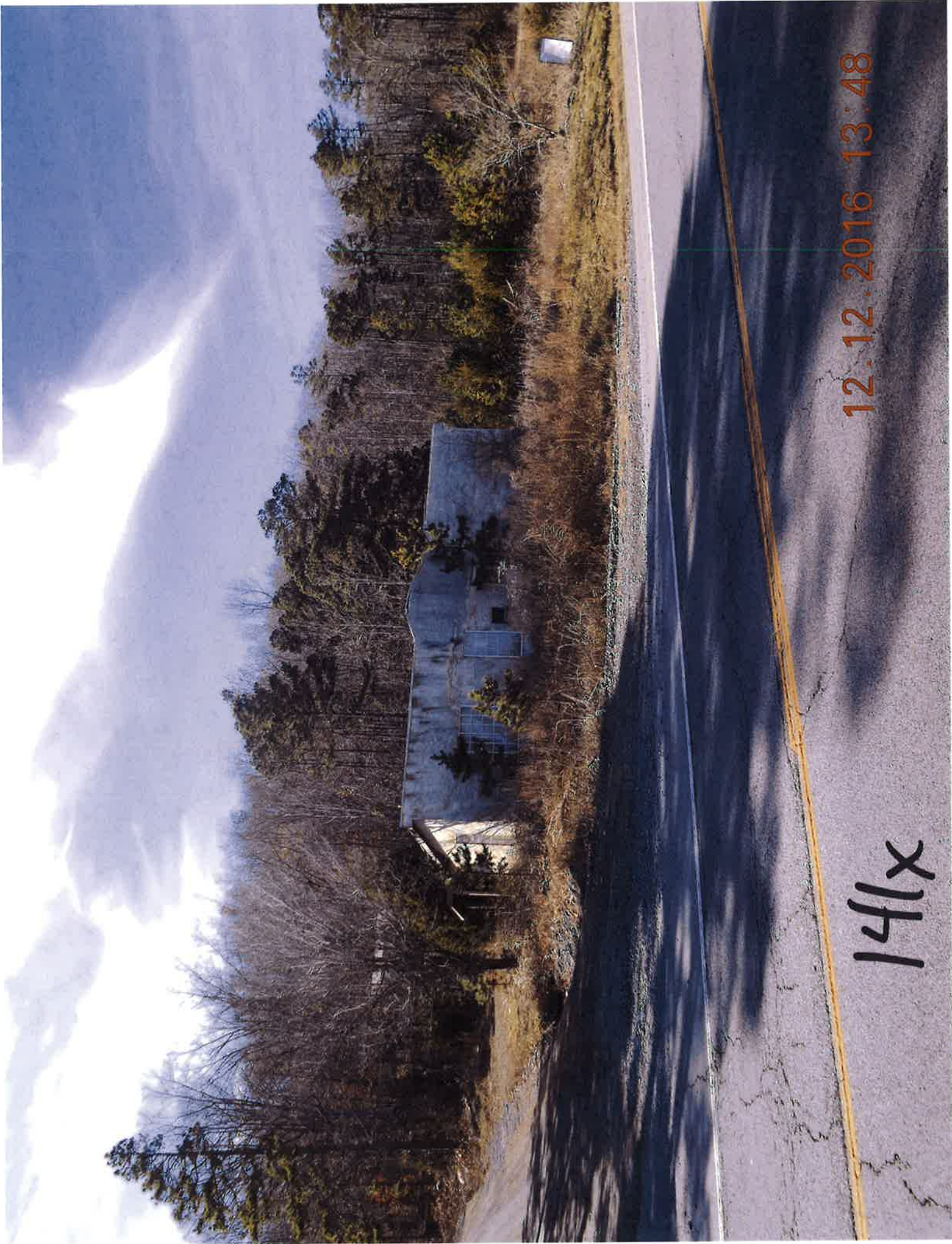
**LOOKING SOUTHWEST, 9/10/2016, CMP**



134X

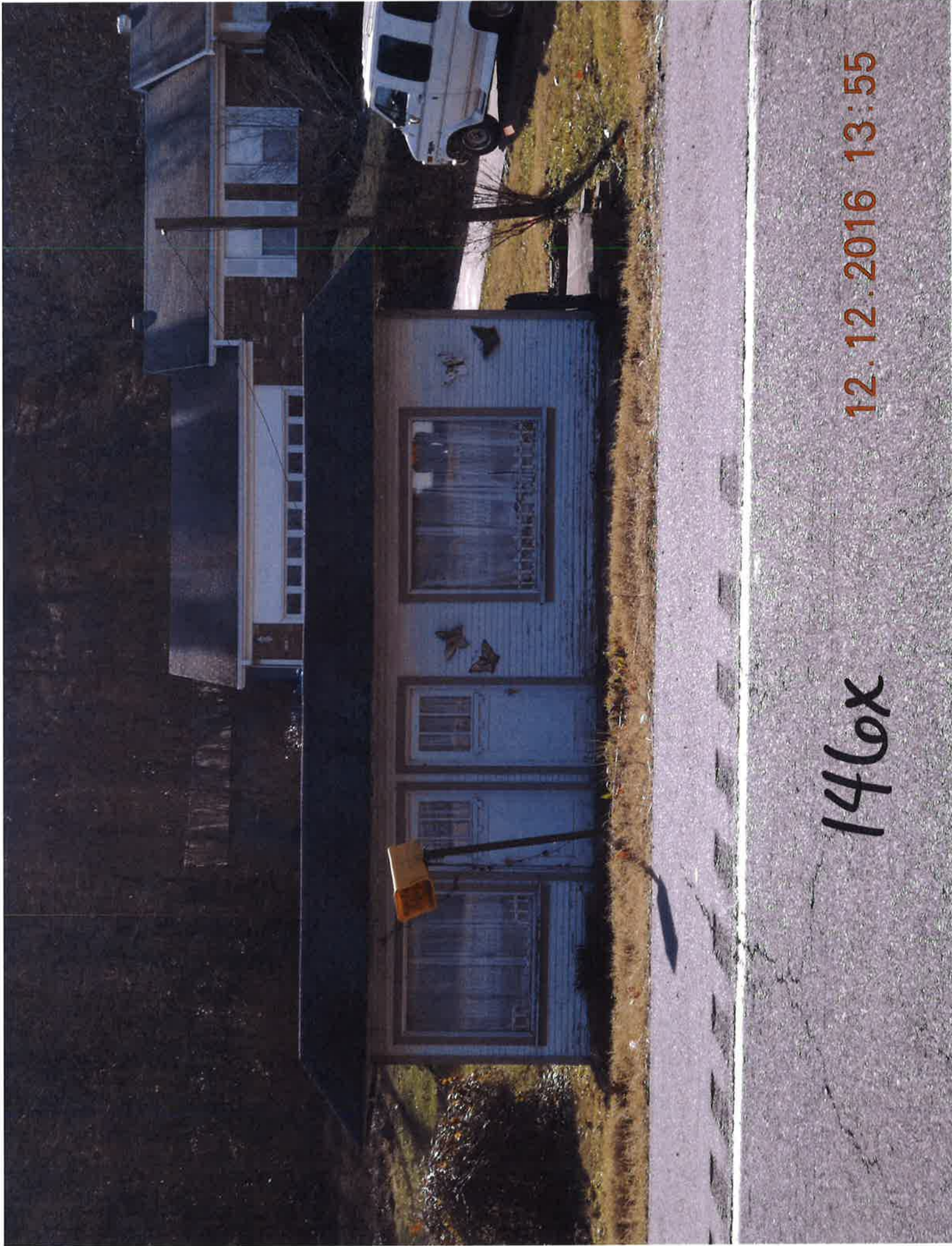
12.12.2016 13:43





14lx

12.12.2016 13:48



146x

12.12.2016 13:55

**ARKANSAS DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION**

**REMOVAL OF FLOORING WHICH CONTAINS ASBESTOS  
FROM BUILDINGS TO BE DEMOLISHED**

**GENERAL**

Floor covering which contains asbestos (ACM) has been identified in buildings to be demolished as part of the right-of-way clearing for the construction of the above captioned job. Prior to demolition of these buildings, the ACM must be removed and disposed of in compliance with this special provision and the asbestos regulations promulgated by Arkansas Department of Environmental Quality (ADEQ) and the Environmental Protection Agency.

**DESCRIPTION OF WORK:**

All work performed under this special provision shall be in compliance with the Arkansas Asbestos Abatement Regulations promulgated by the Arkansas Department of Environmental Quality (ADEQ), as adopted pursuant to Part Two of the Arkansas Water and Air Pollution Act. (Date of Regulations: November 29, 1990)

Except as specified in this special provision, the contractor shall comply with all notification, record keeping, work procedure, containerization, storage, transportation, disposal and licensing requirements of the Arkansas Asbestos Abatement Regulations for the removal of ACM and applicable 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's work procedures and designated in the work plan of the asbestos abatement contractor.

The general work procedure shall include the removal of the ACM and any associated mastic material from the designated area in the identified buildings. Estimated quantities of material to be removed and disposed of are provided in the contract. The removal of the ACM flooring must be conducted in a containment area, which includes polyethylene containment barrier walls. This containment area must also include the use of a negative air filtration system (HEPA filters) to create negative pressure as required by ADEQ regulations. The material shall be removed as required by ADEQ regulations with containerization, storage, transportation and disposal of the ACM accomplished according to ADEQ Asbestos regulations. Wet cleaning and HEPA filter vacuuming shall be repeated until no visible residuals are observed in the work area or until any remaining mastic can be safely encapsulated. All records of the work performed and the disposal at an approved landfill (including the disposal receipt) shall be provided to the Arkansas Department of Transportation within three working days of the completion of the contracted work.

All work shall be performed by a licensed asbestos contractor and by trained asbestos abatement workers as required by ADEQ. All appropriate worker protection rules for this removal of asbestos containing flooring shall apply as per OSHA and ADEQ regulations.

## ARKANSAS DEPARTMENT OF TRANSPORTATION

### SPECIAL PROVISION

#### REMOVAL OF FLOOR COVERING MASTIC WHICH CONTAINS ASBESTOS FROM BUILDINGS TO BE DEMOLISHED

##### GENERAL:

Floor covering mastic which contains asbestos has been identified in a building to be demolished as part of the right-of-way clearing for the construction of the above captioned job. Prior to demolition of this building, the floor covering and associated mastic which contains asbestos must be removed and disposed of in compliance with this special provision and the asbestos regulations promulgated by Arkansas Department of Environmental Quality(ADEQ).

##### DESCRIPTION OF WORK:

All work performed under this special provision shall be in compliance with the Arkansas Asbestos Abatement Regulations promulgated by the Arkansas Department of Environmental Quality, as adopted pursuant to Part Two of the Arkansas Water and Air Pollution Act. (Date of Regulations: November 29, 1990)

Except as specified in this special provision, the contractor shall comply with all notification, record keeping, work procedure, containerization, storage, transportation, disposal and licensing requirements of the Arkansas Asbestos Abatement Regulations 21 for the removal of floor covering which contains asbestos and applicable OSHA worker protection requirements (29 CFR, 1910 - Respiratory protection). Disposal and record keeping requirements of NESHAP - National Emission Standards for Hazardous Air Pollutants (40 CFR 61 Subpart M) shall also be incorporated into the project's work procedures and designated in the work plan of the asbestos abatement contractor.

The general work procedure shall include the removal of the floor covering and all associated mastic material from the designated area in the identified building. The removal of the ACM mastic and flooring must be conducted in a containment area, which includes polyethylene containment barrier walls. This containment area must also include the use of a negative air filtration system (HEPA filters) to create negative pressure as required by ADEQ regulations. The material shall be removed as required by ADEQ regulations with containerization, storage, transportation and disposal of the ACM accomplished according to ADEQ Asbestos Regulations 21. Wet cleaning and HEPA vacuuming shall be repeated until no visible residuals are observed in the work area or until any remaining mastic can be safely encapsulated. All records of the work performed and the disposal at an approved landfill (including the disposal receipt) shall be provided to the Arkansas Department of Transportation within two working days of the completion of the contracted work.

All work shall be performed by a licensed asbestos contractor and by trained asbestos abatement workers as required by ADEQ. All appropriate worker protection rules for this removal of asbestos containing flooring shall apply as per OSHA and ADEQ Regulations 21.

**ARKANSAS DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION**

**REMOVAL OF SHEET ROCK, WHICH CONTAINS ASBESTOS  
FROM BUILDINGS TO BE DEMOLISHED**

**GENERAL**

The material which contains asbestos (ACM) has been identified in this building. This building must be demolished as part of the right-of-way clearing for the construction of the above-captioned job. Prior to demolition of these buildings, the ACM must be removed and disposed of in compliance with this special provision and the asbestos regulations promulgated by Arkansas Department of Environmental Quality (ADEQ) and the Environmental Protection Agency.

**DESCRIPTION OF WORK:**

All work performed under this special provision shall be in compliance with the Arkansas Asbestos Abatement Regulations promulgated by the Arkansas Department of Environmental Quality (ADEQ), as adopted pursuant to Part Two of the Arkansas Water and Air Pollution Act. (Date of Regulations: November 29, 1990)

Except as specified in this special provision, the contractor shall comply with all notification, record keeping, work procedure, containerization, storage, transportation, disposal and licensing requirements of the Arkansas Asbestos Abatement Regulations for the removal of ACM and applicable OSHA worker protection requirements (29 CFR, 1910 - Respiratory protection). Disposal and record keeping requirements of NESHAP - National Emission Standards for Hazardous Air Pollutants (40 CFR 61 Subpart M) shall also be incorporated into the project's work procedures and designated in the work plan of the asbestos abatement contractor.

The general work procedure shall include the removal of the ACM and any associated from the designated area in the identified buildings. Estimated quantities of material to be removed and disposed of are provided in the contract. The removal of the ACM must be conducted in a containment area, which includes polyethylene containment barrier walls. This containment area must also include the use of a negative air filtration system (HEPA filters) to create negative pressure as required by ADEQ regulations. The material shall be removed as required by ADEQ regulations with containerization, storage, transportation and disposal of the ACM accomplished according to ADEQ Asbestos regulations. Wet cleaning and HEPA filter vacuuming shall be repeated until no visible residuals are observed in the work area or until any remaining can be safely encapsulated. All records of the work performed and the disposal at an approved landfill (including the disposal receipt) shall be provided to the Arkansas Department of Transportation within three working days of the completion of the contracted work.

All work shall be performed by a licensed asbestos contractor and by trained asbestos abatement workers as required by ADEQ. All appropriate worker protection rules for this removal of asbestos containing materials shall apply as per OSHA and ADEQ regulations.

A work plan and worker protection plan shall be provided to ArDOT prior to the commencement of work for review and approval.

**ARKANSAS DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION**

**REMOVAL OF HARD ASBESTOS-CONTAINING BUILDING MATERIAL  
IN EXTERIOR SETTING**

**General:**

Siding which contains hard asbestos has been identified on the exterior of a building scheduled for demolition as part of the above referenced job. Prior to demolition of this building, the asbestos-containing building material (ACBM) must be removed and disposed of in compliance with all the Arkansas Department of Environmental Quality (ADEQ) and the Environmental Protection Agency asbestos regulations and these specifications.

**Description of Work:**

All work performed under this contract shall be in compliance with the Arkansas Asbestos Abatement Regulations promulgated by the Arkansas Department of Environmental Quality's adopted pursuant to Part Two of the Arkansas Water and Air Pollution Act. (Date of Regulations: November 29, 1990)

In addition, the contractor shall comply with all notification, record keeping, work procedure, containerization, storage, transportation, disposal and licensing requirements of the Arkansas Asbestos Abatement Regulations for the removal of hard ACBM in an outdoor setting and applicable OSHA worker protection requirements (29, 1910 - Respiratory Protection). Disposal and record keeping requirements of NESHAP -National Emission Standards for Hazardous Air Pollutants (40 CFR 61 Subpart M) shall also be incorporated into the work plan of the asbestos abatement contractor.

The general work procedure shall include the removal of the ACBM with minimal breakage, sanding or sawing. Wetting procedures shall be utilized as warranted by ADPC&E regulations. ACBM shall be placed in sealable metal drums with proper labeling then stored, transported and disposed of in accordance with ADEQ Asbestos Regulations (November, 1990). All records of the work performed and the disposal at an approved landfill (including the disposal receipt) shall be provided to the Arkansas Department of Transportation within three working days of the completion of contracted work.

All work shall be performed by a licensed asbestos contractor and by trained asbestos abatement workers as required by ADEQ. All appropriate worker protection rules for this outdoor removal activity shall apply as per OSHA and ADEQ regulations.

# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tract 3X

Property Owner:

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

Inspection dates: August 9, 2017

Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

## Summary

On August 9, 2017, an asbestos survey was performed at a single-family dwelling at AHTD Tract 3X., Route 65 Section 7, Van Buren County, Clinton, AR. The purpose of this survey was to identify any asbestos containing material in the structure prior to demolition. Nine (9) samples were taken which yielded sixteen (16) analyses. Of these analyses, none (zero) tested positive for the presence of asbestos. A ten day NOI (Notice of Intent) must be filed with ADEQ for demolition. A copy of this survey as well as a copy of the NOI should be available on site during 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 Ron Parker, ADEQ #000132  
APES, Inc. #000511.

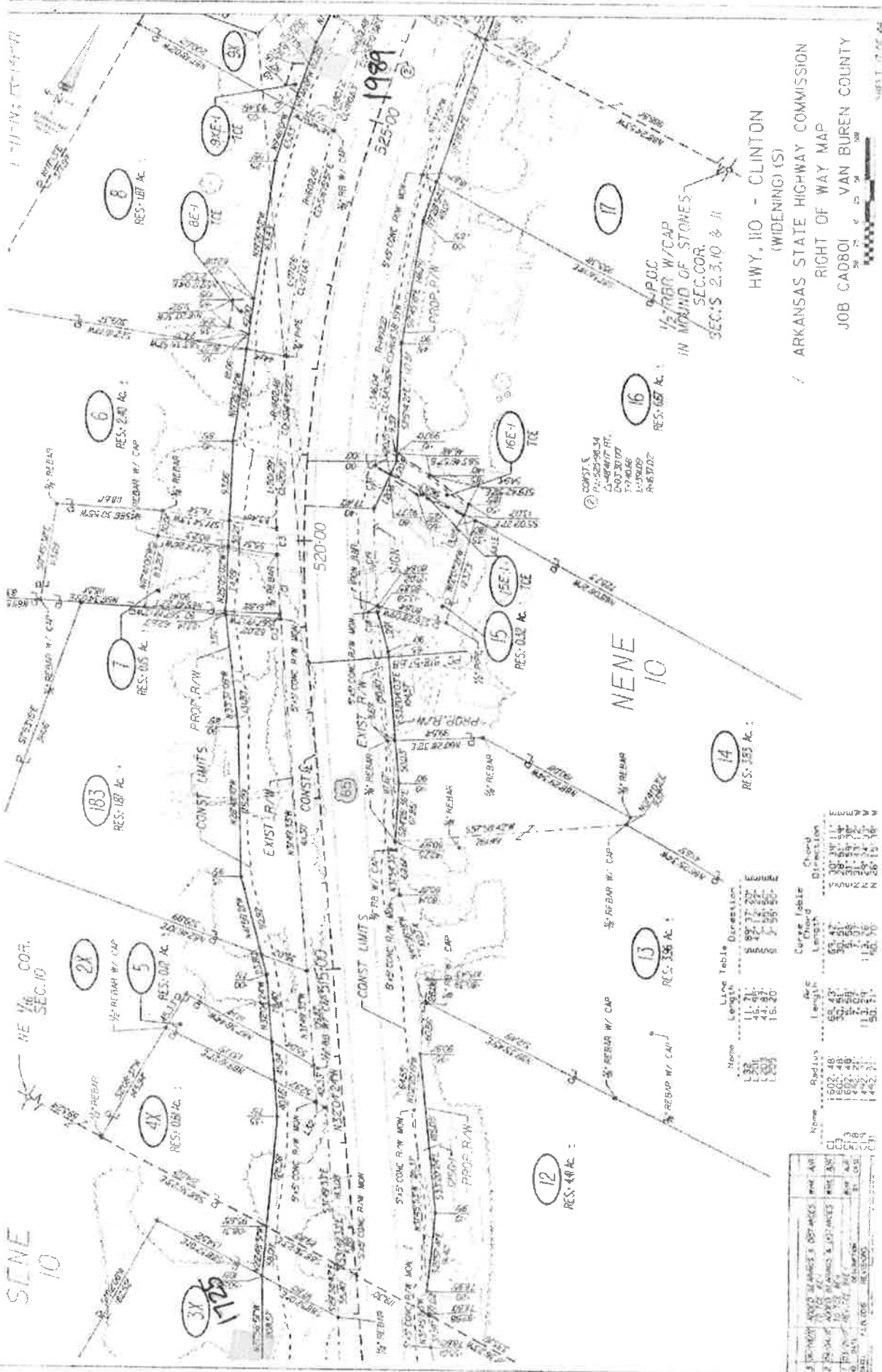


**APES, Inc**  
**ASBESTOS INSPECTION**  
**AHTD Job CA0801**  
**Hwy. 110 - Clinton Widening (S)**  
**Route 65 Section 7**  
**Van Buren County**  
**Tract 3X**

Sample #	Layer #	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	% ACM	Condition	Friable	Quantity
#1	#1	Floor	Linoleum, Beige/ Tan	No	NAD	NAD	NAD	NAD	
#2	#1	Floor	Linoleum, Beige/ Tan	No	NAD	NAD	NAD	NAD	
#3	#1	Wall	Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#3	#2	Wall	Wall Texture/ Paint, White/ Off White	No	NAD	NAD	NAD	NAD	
#4	#1	Wall	Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#4	#2	Wall	Wall Texture/ Paint, White/ Off White	No	NAD	NAD	NAD	NAD	
#5	#1	Ceiling	Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#5	#2	Ceiling	Texture/ Paint, White/ Off White	No	NAD	NAD	NAD	NAD	
#6	#1	Ceiling	Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#6	#2	Ceiling	Texture/ Paint, White/ Off White	No	NAD	NAD	NAD	NAD	
#7	#1	Floor	Linoleum, Beige/ Tan	No	NAD	NAD	NAD	NAD	
#7	#2	Floor	Mastic, Tan	No	NAD	NAD	NAD	NAD	
#8	#1	Wall	Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#8	#2	Wall	Drywall Texture, White	No	NAD	NAD	NAD	NAD	
#9	#1	Ceiling	Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#9	#2	Ceiling	Texture/ Paint, White/ Off White	No	NAD	NAD	NAD	NAD	

SCENE 10

NE 1/4 COR. SEC. 10



HWY. 10 - CLINTON (WIDENING) (S)

ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CAD801 VAN BUREN COUNTY

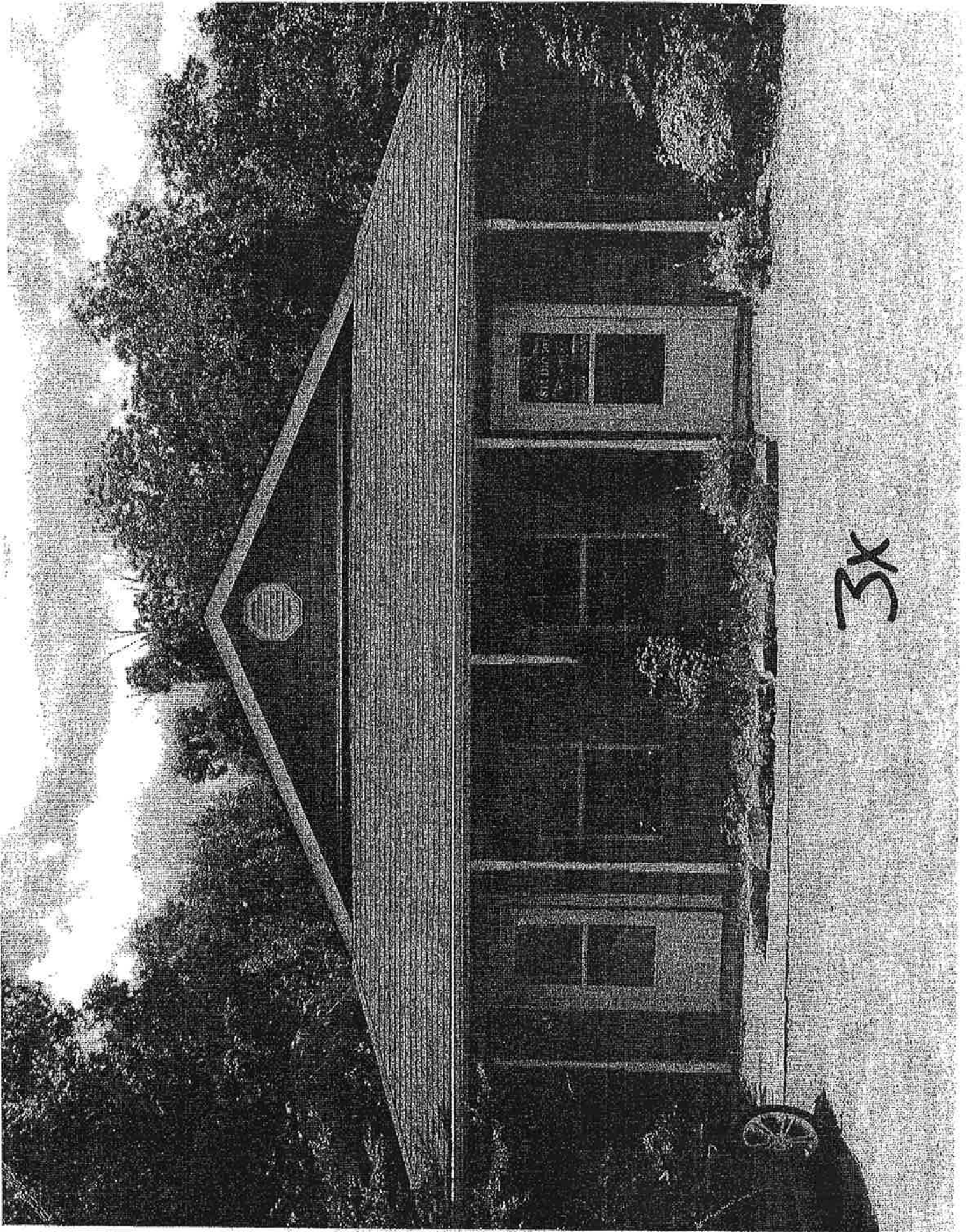
SCALE: 1" = 40'

RES: 155 AC.

Name	Line	Table	Direction
L21	11.71	27	135° 00'
L22	46.46	27	135° 00'
L23	44.97	27	135° 00'
L24	18.20	27	135° 00'

Name	Radius	Length	Angle	Direction
C1	102.48	5.71	90°	135° 00'
C2	102.48	5.71	90°	135° 00'
C3	102.48	5.71	90°	135° 00'
C4	102.48	5.71	90°	135° 00'
C5	102.48	5.71	90°	135° 00'
C6	102.48	5.71	90°	135° 00'
C7	102.48	5.71	90°	135° 00'
C8	102.48	5.71	90°	135° 00'
C9	102.48	5.71	90°	135° 00'
C10	102.48	5.71	90°	135° 00'

Name	Area	Perimeter
A1	10.00	10.00
A2	10.00	10.00
A3	10.00	10.00
A4	10.00	10.00
A5	10.00	10.00
A6	10.00	10.00
A7	10.00	10.00
A8	10.00	10.00
A9	10.00	10.00
A10	10.00	10.00

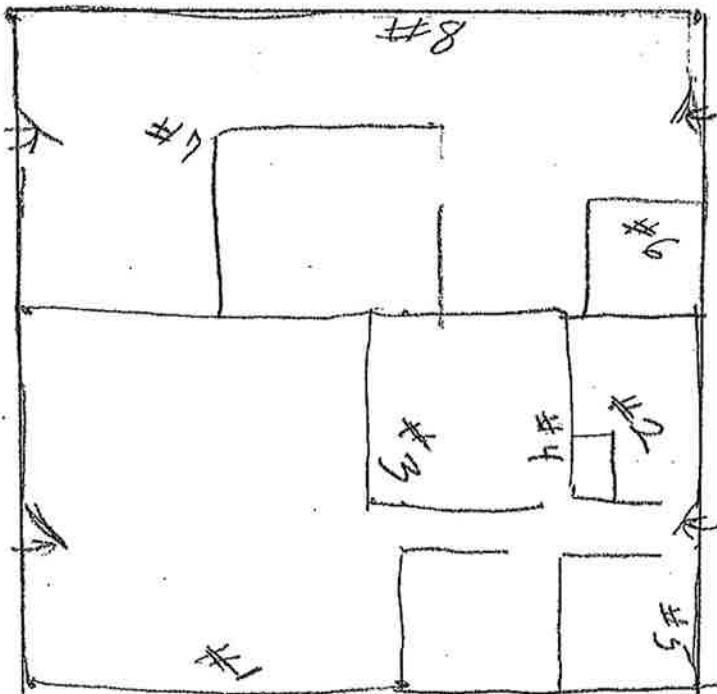


3x

3X

#1,2+7 - lipodur  
#5+6+9 ceiling  
#3,4+8 - wall

□ = 2'



#1 + 2 Liraleum Throughout

3.95 - Wall - Sheetrock & texture

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

LAB#: 190251  
 TAT: 1-2 day  
 Rec'd AUG 14 PM

COMPANY NAME: APES, Inc.  
 Address: P.O. Box 411  
Malvern, AR 72104  
 CONTACT: Tessa Michna  
 Phone/Fax: (501) 544-0918  
 Email: apesconsulting@ymail.com  
 Now Accepting: VISA - MASTERCARD

BILL TO: (If Different Location)  
pack # 1916

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:** AHTD - Tract 3X  
 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	8/9/17	linoleum	N			
2	2		linoleum	Y	N		
3	3		wall	Y	N		
4	4		wall	Y	N		
5	5		ceiling	Y	N		
6	6		ceiling	Y	N		
7	7		linoleum	Y	N		
8	8		wall	Y	N		
9	9		ceiling	N			
				Y	N		
				Y	N		
				Y	N		
				Y	N		
				Y	N		

**SPECIAL INSTRUCTIONS:**  
 Sample Collector: (Print) Ron Packer (Signature) [Signature]  
 Relinquished by: [Signature] Date/Time: 8/11/17 Received by: Diana Federico Date/Time: 8/14/17  
 Relinquished by: Diana Federico Date/Time: 8/14/17 Received by: [Signature] Date/Time: 8/14/17  
 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  
**0190251**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/16/2017
Collected:	08/09/2017	Date Reported:	08/16/2017
Project Name:	AHTD-TRACT 3X	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190251-001 1		Linoleum, Beige/ Tan	No	None Detected	Fibrous Glass Carbonates Quartz Binder/Filler	10%  90%
0190251-002 2		Linoleum, Beige/ Tan	No	None Detected	Cellulose Fiber Fibrous Glass Carbonates Quartz Binder/Filler	17% 3%  80%
0190251-003 3		LAYER 1 Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Carbonates Quartz	10%  90%
		LAYER 2 Wall Texture/ Paint, White/ Off White	No	None Detected	Cellulose Fiber Carbonates Mica Perlite Quartz Binder/Filler	<1%  99%
0190251-004 4		LAYER 1 Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Carbonates Quartz	10%  90%
		LAYER 2 Wall Texture/ Paint, White/ Off White	No	None Detected	Cellulose Fiber Carbonates Mica Perlite Quartz Binder/Filler	1%  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  
**0190251**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC. Job# / P.O. #:  
Address: P. O. BOX 411 Date Received: 08/14/2017  
MALVERN AR 72104 Date Analyzed: 08/16/2017  
Collected: 08/09/2017 Date Reported: 08/16/2017  
Project Name: AHTD-TRACT 3X EPA Method: EPA 600/R-93/116  
Address: Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190251-005 5		LAYER 1 Drywall, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Quartz 88%
		LAYER 2 Texture/ Paint, White/ Off White	No	None Detected	Cellulose Fiber 1% Carbonates Mica Perlite Quartz Binder/Filler 99%
0190251-006 6		LAYER 1 Drywall, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Quartz 88%
		LAYER 2 Texture/ Paint, White/ Off White	No	None Detected	Carbonates Mica Quartz Binder/Filler 100%
0190251-007 7		LAYER 1 Linoleum, Beige/ Tan	No	None Detected	Cellulose Fiber 15% Fibrous Glass 5% Carbonates Quartz Binder/Filler 80%
		LAYER 2 Mastic, Tan	No	None Detected	Cellulose Fiber 2% Fibrous Glass 1% Carbonates Gypsum Quartz Binder/Filler 97%



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Laboratory Report  
**0190251**

## Bulk Asbestos Analysis by Polarized Light Microscopy

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Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/16/2017
Collected:	08/09/2017	Date Reported:	08/16/2017
Project Name:	AHTD-TRACT 3X	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190251-008 8		LAYER 1 Drywall, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Quartz 88%
		LAYER 2 Drywall Texture, White	No	None Detected	Cellulose Fiber 2% Carbonates Mica Quartz Binder/Filler 98%
0190251-009 9		LAYER 1 Drywall, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Quartz 88%
		LAYER 2 Texture/ Paint, White/ Off White	No	None Detected	Cellulose Fiber 1% Carbonates Mica Perlite Quartz Binder/Filler 99%



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

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 indicative 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-friable organically bound materials.

# Arkansas Department of Environmental Quality

## ARK. PROFESSIONAL ENVIRONMENTAL SOLUTIONS (APES)

is a licensed

**Asbestos Abatement Consultant**

*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

*Betsy W. Keogh*

Betsy W. Keogh  
ADEQ Director

# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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*

**Air Monitor 6/30/2018**

**Contractor/Supervisor 6/30/2018**

**Inspector 7/31/2018**



Issue Date: 07-Aug-2017

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director

# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
1745 Hwy 65

Property Owner:

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

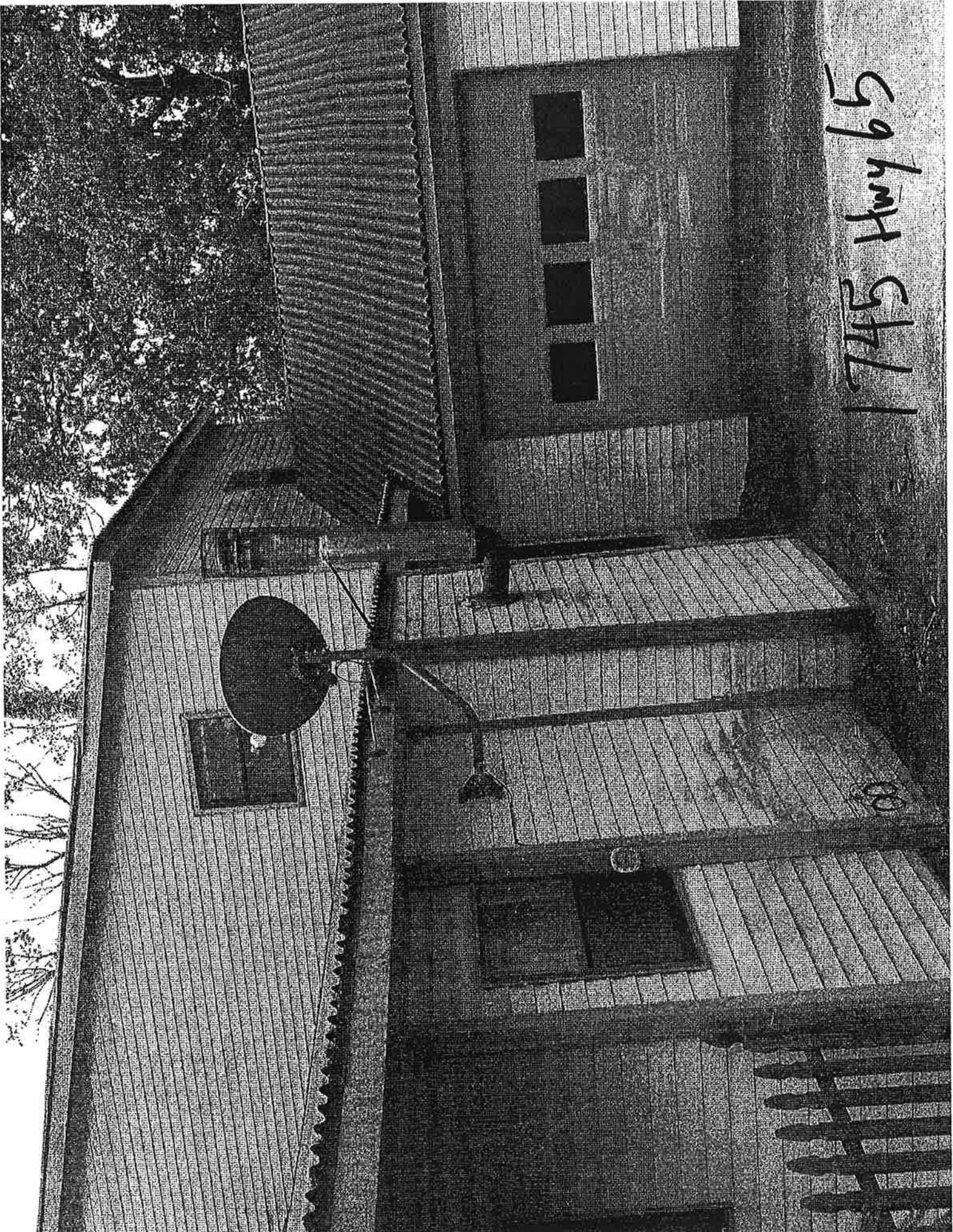
Inspection dates: August 10, 2017

Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

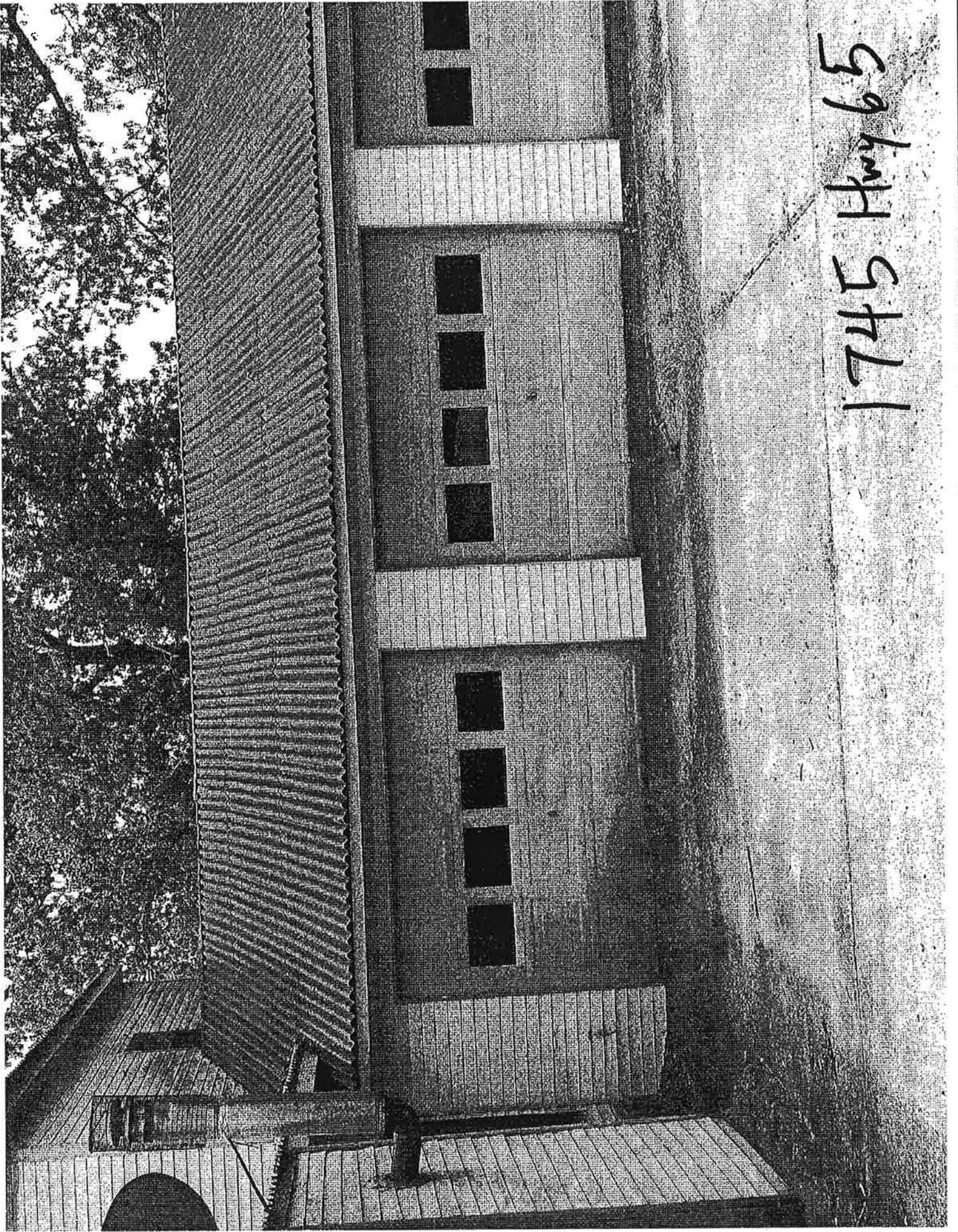
**APES, Inc**  
**ASBESTOS INSPECTION**  
**AHTD Job CA0801**  
**Route 110 - Clinton Widening (S)**  
**Route 65 Section 7**  
**Van Buren County**  
**1745 Hwy 65 (change order)**

Sample #	Layer #	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	% ACM	Condition	Friable	Quantity
#1	#1	Second Floor	Ceiling Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#1	#2	Second Floor	Ceiling Texture, White	No	NAD	NAD	NAD	NAD	
#2	#1	Second Floor	Ceiling Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#2	#2	Second Floor	Ceiling Texture, White	No	NAD	NAD	NAD	NAD	
#3	#1	Second Floor	Wall Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#3	#2	Second Floor	Tape, White	No	NAD	NAD	NAD	NAD	
#3	#3	Second Floor	Joint Compound, White	No	NAD	NAD	NAD	NAD	
#3	#4	Second Floor	Wall Texture, White	No	NAD	NAD	NAD	NAD	
#4	#1	Second Floor	Tape, White	No	NAD	NAD	NAD	NAD	
#4	#2	Second Floor	Joint Compound, White	No	NAD	NAD	NAD	NAD	
#4	#3	Second Floor	Wall Texture, White/ Lt. Blue	No	NAD	NAD	NAD	NAD	
#5	#1	Dining Rm	Ceiling Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#5	#2	Dining Rm	Ceiling Texture, White	No	NAD	NAD	NAD	NAD	
#6	#1	Kitchen	Ceiling Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#6	#2	Kitchen	Ceiling Texture, White	Yes	chrysotile	2%	Good	Yes	±1150 sq ft
#7	#1	Bathroom	Wall Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#7	#2	Bathroom	Joint Compound, White	No	NAD	NAD	NAD	NAD	
#8	#1	Bathroom	Wall Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#8	#2	Bathroom	Joint Compound, White	No	NAD	NAD	NAD	NAD	
#9	#1	Basement	Wall Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#9	#2	Basement	Plaster, Brown	No	NAD	NAD	NAD	NAD	
#10	#1	Basement	Wall Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#10	#2	Basement	Texture, White	Yes	chrysotile	3%	Good	Yes	±400 sq ft
#11	#1	Living Room Floor	Linoleum, Brown Wood Pattern	No	NAD	NAD	NAD	NAD	
#12	#1	Living Room Floor	Linoleum, Brown Wood Pattern	No	NAD	NAD	NAD	NAD	



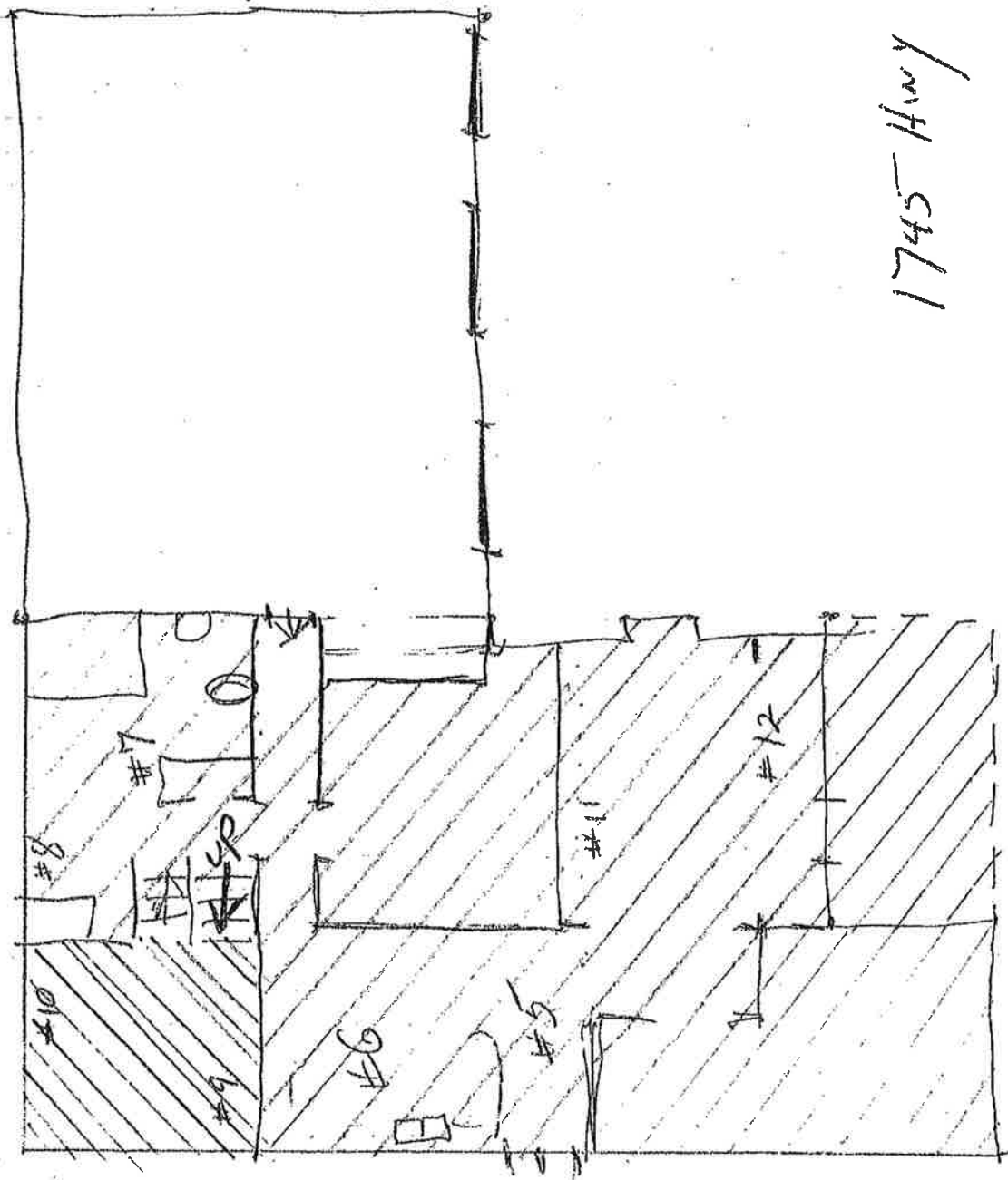
1745 Hwy 65


68




1745 Hwy 65

1745 Hwy 65  
59  
5411

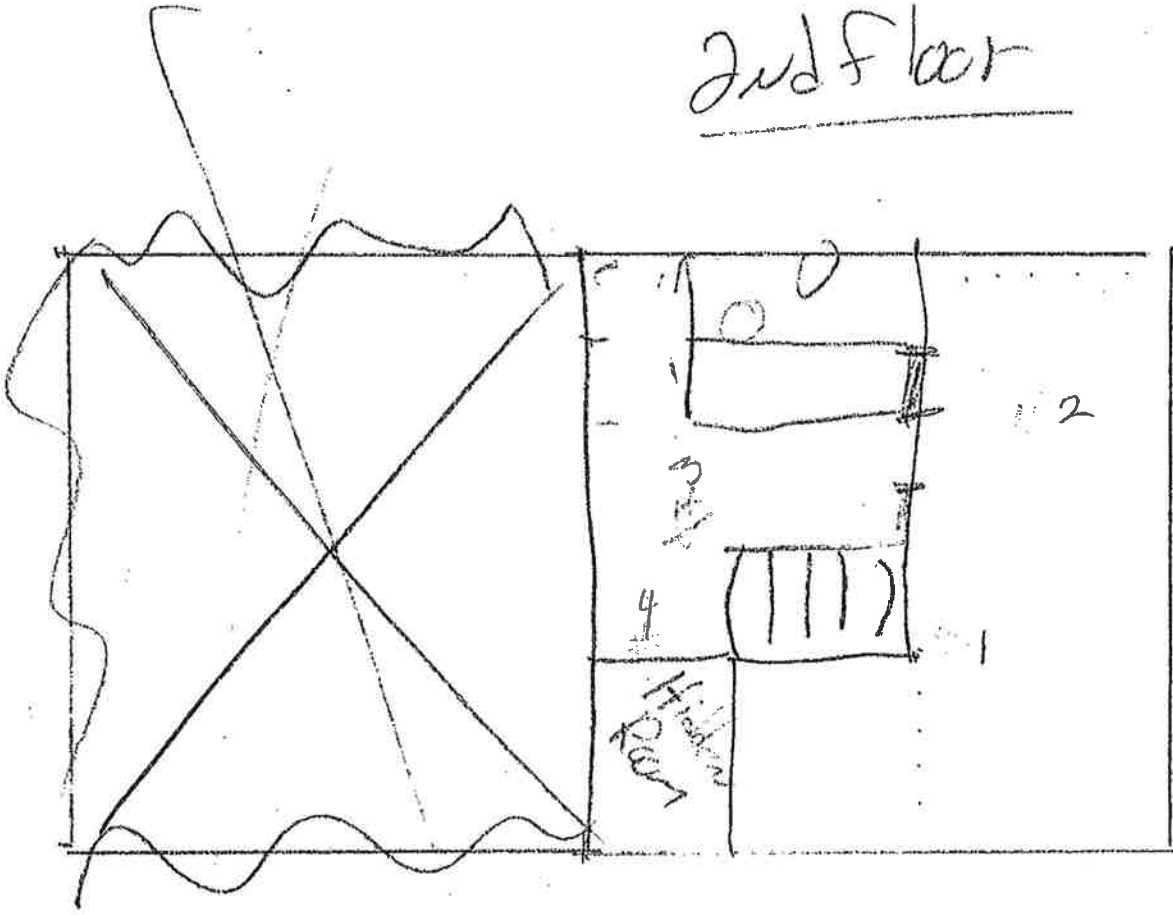


1/4 - 1150<sup>th</sup> ceiling 

1/4 - 400<sup>th</sup> basement walls 



2nd Floor



1745 Hwy 65

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

LAB#: 140253  
 TAT: 1-2 day  
 Rec'd: AUG 14 P.M.

COMPANY NAME: APES, Inc.  
 Address: P.O. Box 411  
Malvern, AR 72104  
 CONTACT: Tessa Michna  
 Phone/Fax: (501) 844-0918  
 Email: apesconsulting@gmail.com

BILL TO: (If Different Location)  
Pd cl# 1918

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: AHTD 1745 Hwy 65  
 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	8/10/17	2nd floor ceiling	Y N			
2	2		2nd floor ceiling	Y N			
3	3		2nd floor wall	Y N			
4	4		2nd floor wall	Y N			
5	5		dining room ceiling	Y N			
6	6		Kitchen ceiling	Y N			
7	7		bathroom wall	Y N			
8	8		" "	Y N			
9	9		basement wall	Y N			
10	10		basement wall	Y N			
11	11		living room floor	Y N			
12	12		" " "	Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS:  
 Sample Collector: (Print) Ron Parker (Signature) [Signature]  
 Relinquished by: [Signature] Date/Time: 8/11/17 Received by: Diana Federico Date/Time: 8/14/17  
 Relinquished by: Diana Federico Date/Time: 8/14/17 Received by: [Signature] Date/Time: 8/14/17  
 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  
**0190253**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD-1745 HWY 65  
Address:

Job# / P.O. #: \_\_\_\_\_  
Date Received: 08/14/2017  
Date Analyzed: 08/14/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By: \_\_\_\_\_

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190253-001 #1	2ND FL	LAYER 1 Ceiling Drywall, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Quartz Carbonates	11% 1%   99%
		LAYER 2 Ceiling Texture, White Note: Very small amount of texture	No	None Detected	Cellulose Fiber Carbonates Quartz Gypsum Binder/Filler	1%   99%
0190253-002 #2	2ND FL	LAYER 1 Ceiling Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   99%
		LAYER 2 Ceiling Texture, White Note: Very small amount of texture	No	None Detected	Wollastonite Carbonates Quartz Gypsum Binder/Filler	1%   99%

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Laboratory Report  
**0190253**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD-1745 HWY 65  
Address:

Job# / P.O. #:  
Date Received: 08/14/2017  
Date Analyzed: 08/14/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190253-003 #3	2ND FL	LAYER 1 Wall Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Tape, White	No	None Detected	Cellulose Fiber Carbonates	95% 5%
		LAYER 3 Joint Compound, White	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Binder/Filler	<1%    99%
		LAYER 4 Wall Texture, White	No	None Detected	Wollastonite Cellulose Fiber Carbonates Mica Quartz Gypsum Perlite Binder/Filler	1% <1%      98%
0190253-004 #4	2ND FL	LAYER 1 Tape, White	No	None Detected	Cellulose Fiber Carbonates	95% 5%
		LAYER 2 Joint Compound, White	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Perlite Binder/Filler	<1%     99%
		LAYER 3 Wall Texture, White/ Lt. Blue	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Perlite Binder/Filler	<1%     99%

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Laboratory Report  
**0190253**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD-1745 HWY 65  
Address:

Job# / P.O. #:  
Date Received: 08/14/2017  
Date Analyzed: 08/15/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190253-005 #5	DINING RM	LAYER 1 Ceiling Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Ceiling Texture, White	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Gypsum Binder/Filler	<1%    99%
0190253-006 #6	KITCHEN	LAYER 1 Ceiling Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Ceiling Texture, White	Yes	Chrysotile 2%	Cellulose Fiber Carbonates Mica Quartz Gypsum Binder/Filler	<1%    97%
0190253-007 #7	BATHRM	LAYER 1 Wall Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Joint Compound, White	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Perlite Binder/Filler	<1%    99%

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Laboratory Report  
**0190253**

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Address: P. O. BOX 411 Date Received: 08/14/2017  
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Collected: 08/10/2017 Date Reported: 08/16/2017  
Project Name: AHTD-1745 HWY 65 EPA Method: EPA 600/R-93/116  
Address: Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190253-008 #8	BATHRM	LAYER 1 Wall Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Joint Compound, White	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Perlite Binder/Filler	<1%    99%
0190253-009 #9	BASEMENT	LAYER 1 Wall Drywall, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Quartz Carbonates	11% 1%   88%
		LAYER 2 Plaster, Brown	No	None Detected	Cellulose Fiber Quartz Gypsum Mica Carbonates Binder/Filler	1%    99%
0190253-010 #10	BASEMENT	LAYER 1 Wall Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Texture, White	Yes	Chrysotile 3%	Carbonates Mica Quartz Binder/Filler	   97%
0190253-011 #11	LIVING RM	Floor Linoleum, Brown Wood Pattern	No	None Detected	Fibrous Glass Carbonates Quartz Binder/Filler	5%   95%

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Project Name: AHTD-1745 HWY 65  
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Job# / P.O. #:  
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Date Analyzed: 08/14/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190253-012 #12	LIVING RM	Floor Linoleum, Brown Wood Pattern	No	None Detected	Fibrous Glass 5% Carbonates Quartz Binder/Filler 95%



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

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 indicative 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 180 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-friable organically bound materials.

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*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director



# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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*

Air Monitor 6/30/2018  
Contractor/Supervisor 6/30/2018  
Inspector 7/31/2018



Issue Date: 07-Aug-2017

*Becky W. Keogh*  
Becky W. Keogh  
ADEQ Director

# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tract 9X

Property Owner:

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

Inspection dates: August 9, 2017

Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

## Summary

On August 9, 2017, an asbestos survey was performed at a single-family dwelling at AHTD Tract 9X, Route 65 Section 7, Van Buren County, Clinton, AR. The purpose of this survey was to identify any asbestos containing material in the structure prior to demolition. Eleven (11) samples were taken which yielded sixteen (16) analyses. Of these analyses, one (1) sample tested positive for the presence of asbestos. This was the white/off white window glazing present in the windows of the house. This material is RACM and must be removed and disposed of in an approved landfill by a licensed company using licensed workers prior to demolition. A ten day NOI (Notice of Intent) must be filed with ADEQ for the asbestos abatement and another NOI for demolition. A copy of this survey as well as the NOI should be available on site during 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.

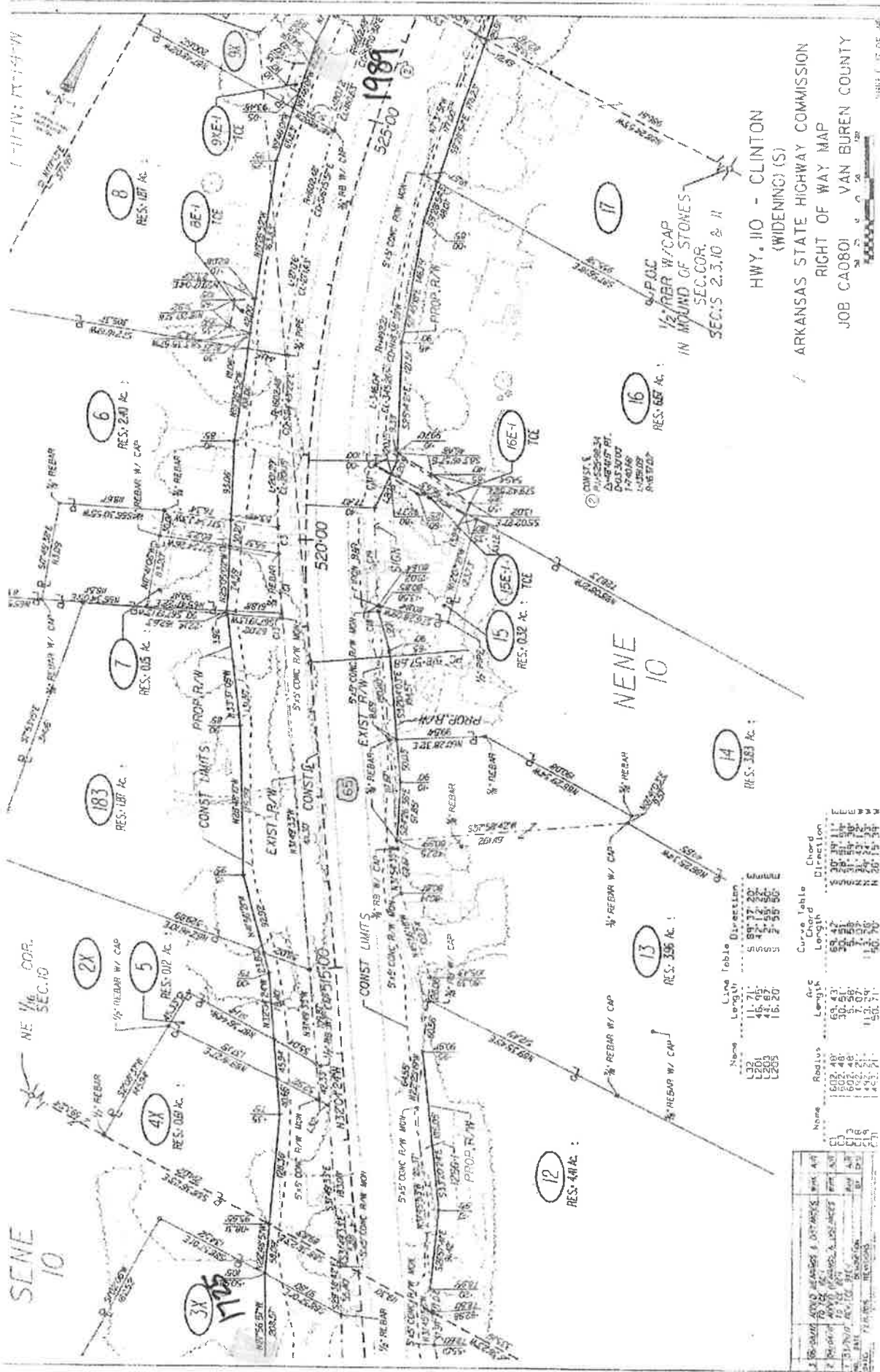
## OSHA

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 non friable.

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

**APES, Inc**  
**ASBESTOS INSPECTION**  
**AHTD Job CA0801**  
**Hwy. 110 - Clinton Widening (S)**  
**Route 65 Section 7**  
**Van Buren County**  
**Tract 9X**

Sample #	Layer #	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	% ACM	Condition	Friable	Quantity
#1	#1	Wall	Wall Texture/ Paint, Yellow	No	NAD	NAD	NAD	NAD	
#1	#2	Wall	Wall Paper, White	No	NAD	NAD	NAD	NAD	
#1	#3	Wall	Wall Panel, Brown	No	NAD	NAD	NAD	NAD	
#2	#1	Wall	Wall Texture/ Paint, Yellow	No	NAD	NAD	NAD	NAD	
#2	#2	Wall	Wall Panel, Brown	No	NAD	NAD	NAD	NAD	
#3	#1	Wall	Drywall, White/Brown	No	NAD	NAD	NAD	NAD	
#3	#2	Wall	Wall Texture/ Paint, White/Peach	No	NAD	NAD	NAD	NAD	
#4	#1	Floor	Linoleum, Tan	No	NAD	NAD	NAD	NAD	
#5	#1	Floor	Linoleum, Gray	No	NAD	NAD	NAD	NAD	
#6	#1	Floor	Linoleum, Gray	No	NAD	NAD	NAD	NAD	
#6	#2	Floor	Mastic, Black	No	NAD	NAD	NAD	NAD	
#7	#1	Ceiling	Ceiling Tile, Brown/Off-White	No	NAD	NAD	NAD	NAD	
#8	#1	Ceiling	Ceiling Tile, Brown/White	No	NAD	NAD	NAD	NAD	
#9	#1	Window	Window Glazing, White/ Off White	Yes	chrysotile	3%	Good	Yes	±11 windows
#10	#1	Siding	Asphalt Siding, White/ Black	No	NAD	NAD	NAD	NAD	
#11	#1	Siding	Siding Cellotex, White/ Brown	No	NAD	NAD	NAD	NAD	



HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CA0801 VAN BUREN COUNTY

1/2 R/R W/CAP  
IN MOUND OF STONES  
SEC. COR.  
SEC'S 2, 3, 10 & 11

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525+00  
520+00

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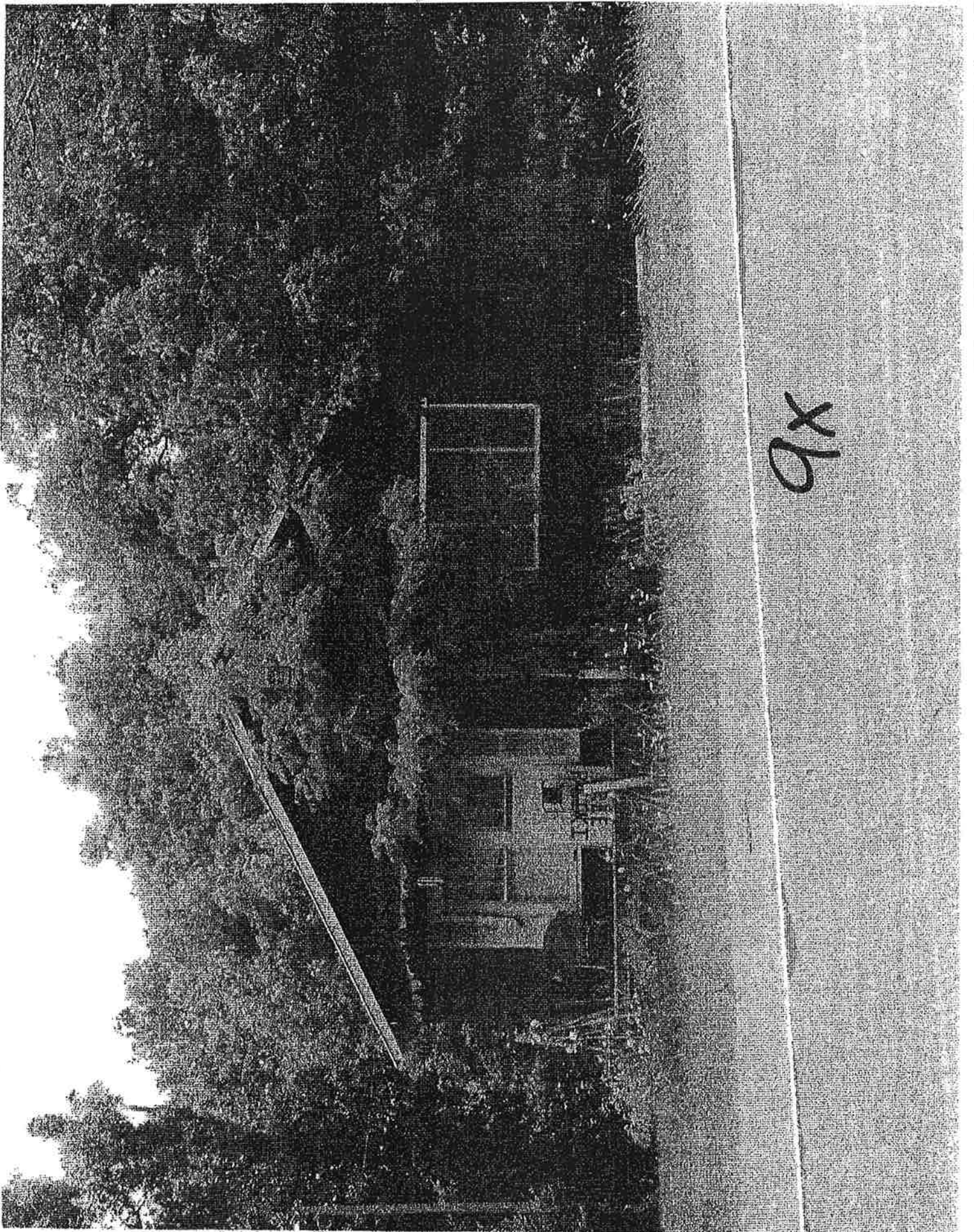
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Name	Length	Direction	Curve Table	Chord
L201	15.75	S 87.17° E	15.75	15.75
L202	4.67	S 55.50° E	4.67	4.67
L203	15.20	S 55.50° E	15.20	15.20

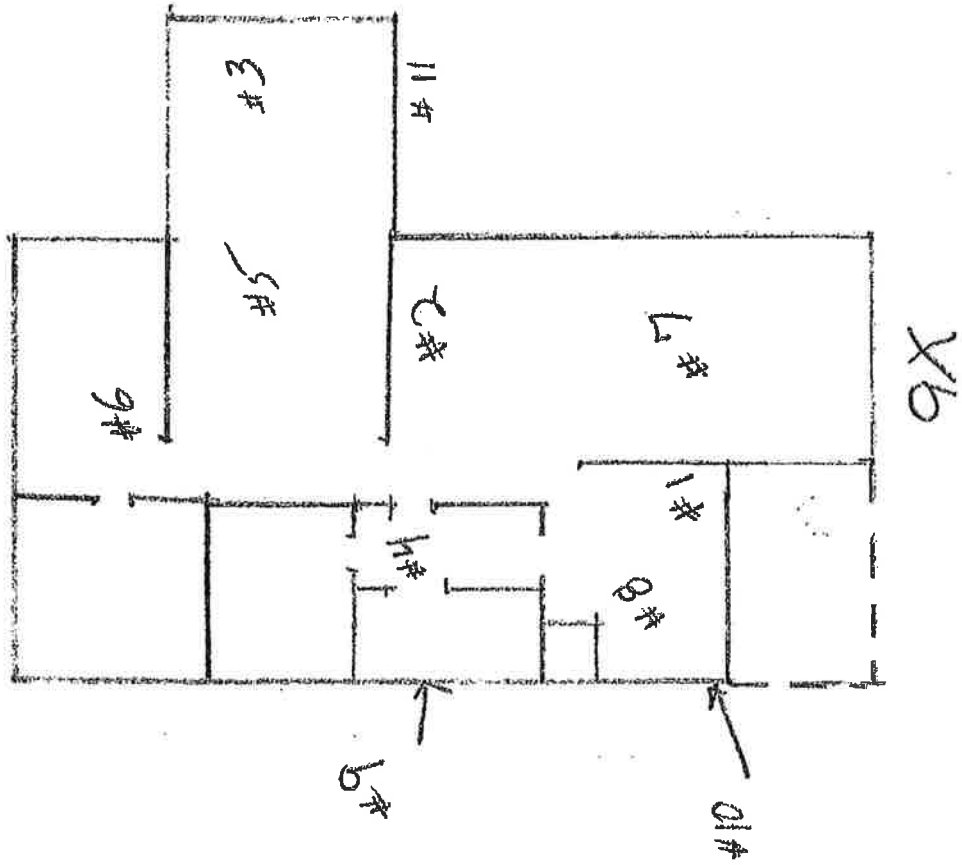
Name	Radius	Length	Chord
C1	150.00	57.67	57.67
C2	600.00	30.56	30.56
C3	100.00	17.07	17.07
C4	425.00	50.71	50.71



9x

#5  
 11 Siding  
 10 Siding  
 9 Window Glazings  
 9 Ceiling tile  
 9 Ceiling tile  
 9 Linoleum  
 7 Linoleum  
 7 Linoleum  
 11cm Wall  
 11cm Wall  
 11cm Wall

#9 + 11 Windows



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

LAB#: 190250  
 TAT: 1-2 day  
 Rec'd: AUG 14 P.M.

COMPANY NAME: APES, Inc.  
 Address: P.O. Box 411  
Malvern, AR 72104  
 CONTACT: Tessa Michna  
 Phone/Fax: (501) 844-0918  
 Email: apesconsulting@gmail.com

BILL TO: (If Different Location)  
pd chit 1918

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:** AHTD Tract 9X  
**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	8/9/17	Wall	Y N			
2	2		Wall	Y N			
3	3		Wall	Y N			
4	4		Insulation	Y N			
5	5		Insulation	Y N			
6	6		Insulation	Y N			
7	7		Ceiling tile	Y N			
8	8		Ceiling tile	Y N			
9	9		Window glazing	Y N			
10	10		Siding - Asphalt	Y N			
11	11		Siding - Cellotex	Y N			
				Y N			
				Y N			
				Y N			
				Y N			

**SPECIAL INSTRUCTIONS:**  
 Sample Collector: (Print) John Parker (Signature) [Signature]  
 Relinquished by: [Signature] Date/Time: 8/14/17 Received by: Diana Federico Date/Time: 8/14/17  
 Relinquished by: Diana Federico Date/Time: 8/14/17 Received by: [Signature] Date/Time: 8/14/17  
 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.  
 Rev. 09/01/08



# 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  
**0190250**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/16/2017
Collected:	08/09/2017	Date Reported:	08/16/2017
Project Name:	AHTD TRACT. 9X	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190250-005 5		Linoleum, Gray	No	None Detected	Fibrous Glass 10% Carbonates Quartz Binder/Filler 90%
0190250-006 6		LAYER 1 Linoleum, Gray	No	None Detected	Cellulose Fiber 15% Synthetic Fiber 5% Carbonates Quartz Binder/Filler 80%
		LAYER 2 Mastic, Black	No	None Detected	Cellulose Fiber 1% Carbonates Quartz Binder/Filler 99%
0190250-007 7		Ceiling Tile, Brown/Off-White	No	None Detected	Cellulose Fiber 95% Gypsum Binder/Filler 5%
0190250-008 8		Ceiling Tile, Brown/White	No	None Detected	Cellulose Fiber 95% Carbonates Binder/Filler 5%
0190250-009 9		Window Glazing, White/ Off White	Yes	Chrysotile 3%	Carbonates Quartz Binder/Filler 97%
0190250-010 10		Asphalt Siding, White/ Black	No	None Detected	Cellulose Fiber 25% Carbonates Quartz Binder/Filler 75%

# 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  
**0190250**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/16/2017
Collected:	08/09/2017	Date Reported:	08/16/2017
Project Name:	AHTD TRACT. 9X	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190250-011 11		Siding Cellotex, White/ Brown	No	None Detected	Cellulose Fiber 95% Carbonates Binder/Filler 5%



Analyst - Kenneth Scheske



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 indicative 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-fibrous organically bound materials.

# Arkansas Department of Environmental Quality

## ARK. PROFESSIONAL ENVIRONMENTAL SOLUTIONS (APES)

is a licensed

**Asbestos Abatement Consultant**

*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

A handwritten signature in cursive script, reading "Becky W. Keogh".

Becky W. Keogh  
ADEQ Director

# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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 2.1 and is hereby certified in the State of Arkansas in the discipline(s) of Asbestos*

**Air Monitor 6/30/2018**

**Contractor/Supervisor 6/30/2018**

**Inspector 7/31/2018**



Issue Date: 07-Aug-2017

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director

# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tract 39X

Property Owner:

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

Inspection dates: August 9, 2017

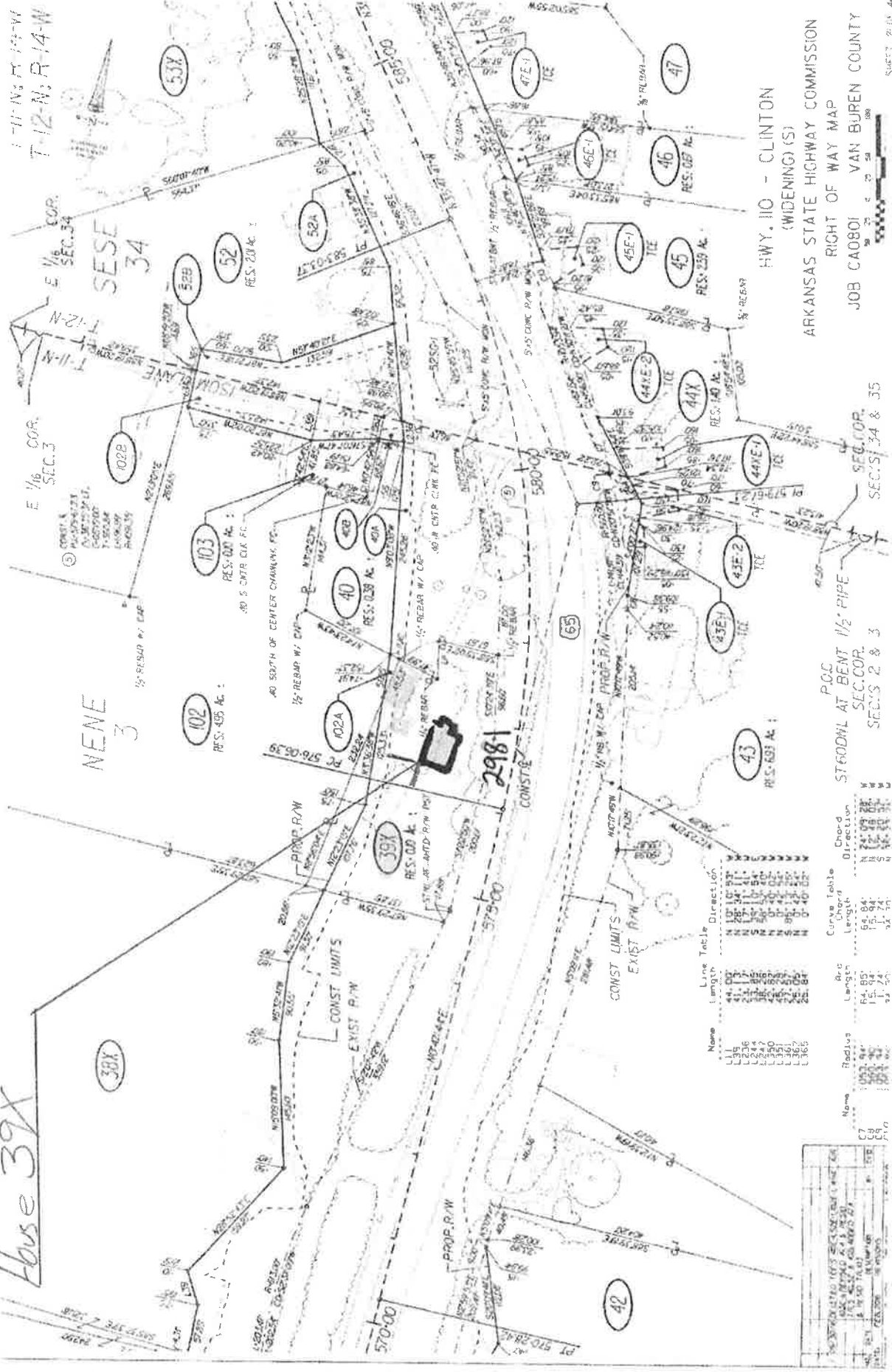
Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

**APES, Inc**  
**ASBESTOS INSPECTION**  
**AHTD Job CA0801**  
**Route 110 - Clinton Widening (S)**  
**Route 65 Section 7**  
**Van Buren County**  
**Tract 39X**

Sample #	Layer #	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	% ACM	Condition	Friable	Quantity
#1	#1	Living Rm/Bedrm	Linoleum, Beige/White/Black	No	NAD	NAD	NAD	NAD	
#1	#2	Living Rm/Bedrm	Mastic, Yellow	No	NAD	NAD	NAD	NAD	
#1	#3	Living Rm/Bedrm	Linoleum, White/Black	No	NAD	NAD	NAD	NAD	
#1	#4	Living Rm/Bedrm	Mastic, Yellow						
#2	#1	Kitchen Floor	Linoleum, White/ Beige	No	NAD	NAD	NAD	NAD	
#2	#2	Kitchen Floor	Mastic, Yellow	No	NAD	NAD	NAD	NAD	
#3	#1	Living Room	Joint Compound, White	No	NAD	NAD	NAD	NAD	
#3	#2	Living Room	Popcorn, White	No	NAD	NAD	NAD	NAD	
#4	#1	Kitchen Wall	Sheetrock, White/ Brown	No	NAD	NAD	NAD	NAD	
#4	#2	Kitchen Wall	Texture, White/ Off White	No	NAD	NAD	NAD	NAD	
#5	#1	Floor	9" Vinyl Floor Tile, Light Tan	Yes	chrysotile	5%	Good	No	±250 sq ft
#5	#2	Floor	Mastic, Black	Yes	chrysotile	5%	Good	No	±250 sq ft
#6	#1	Floor	9" Vinyl Floor Tile, Light Tan	Yes	chrysotile	5%	Good	No	±250 sq ft
#6	#2	Floor	Mastic, Black	Yes	chrysotile	8%	Good	No	±250 sq ft
#7	#1	Floor	9" Vinyl Floor Tile, Dark Tan	Yes	chrysotile	5%	Good	No	±250 sq ft
#7	#2	Floor	Mastic, Black	Yes	chrysotile	9%	Good	No	±250 sq ft
#8	#1	Floor	9" Vinyl Floor Tile, Dark Tan	Yes	chrysotile	5%	Good	No	±250 sq ft
#8	#2	Floor	Mastic, Black	Yes	chrysotile	7%	Good	No	±250 sq ft

House 39X



HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CA0801 VAN BUREN COUNTY

Line Table

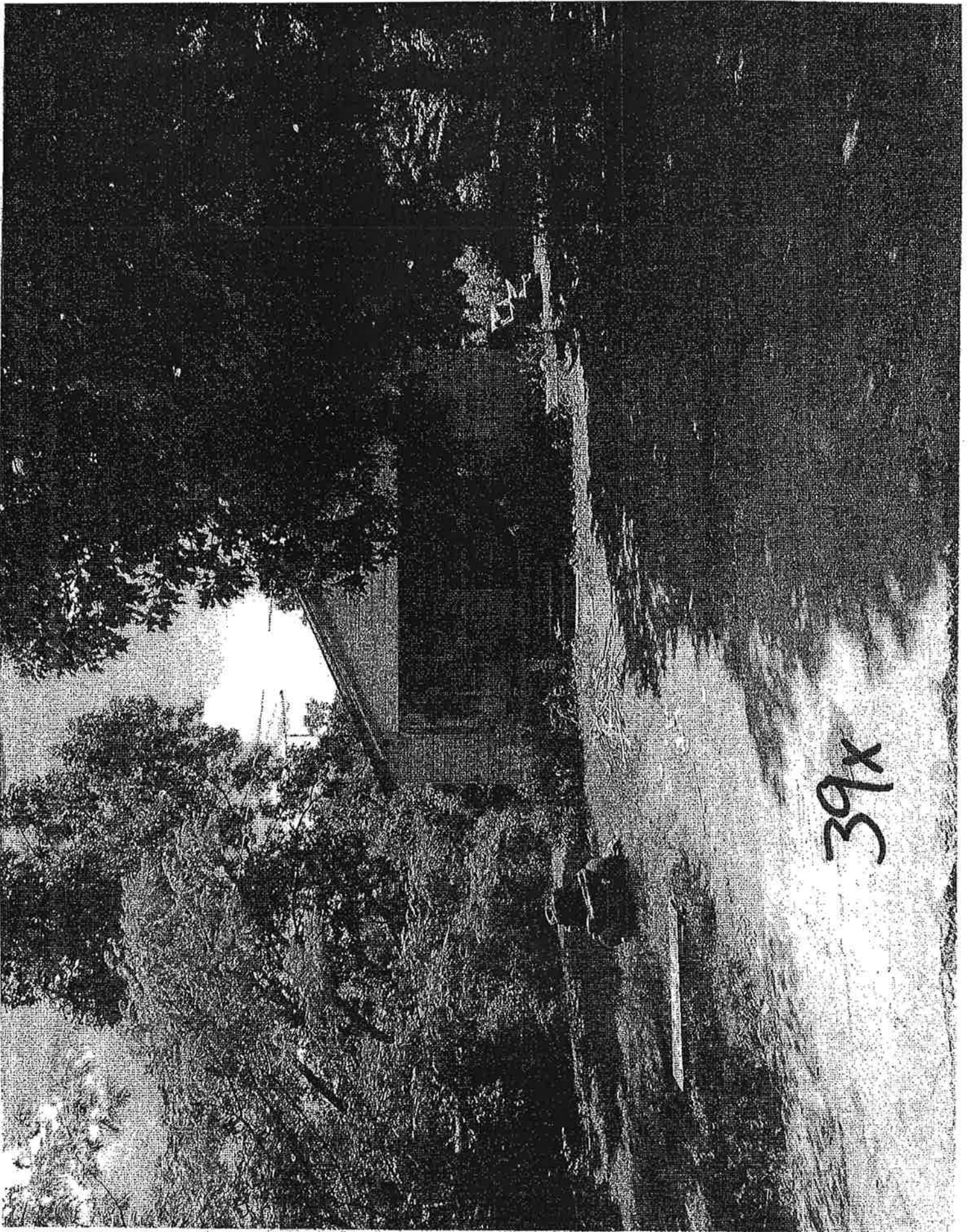
Name	Length	Direction
L1	44.00	N 12° 10' 00" E
L2	11.25	N 12° 10' 00" E
L3	12.75	N 12° 10' 00" E
L4	12.75	N 12° 10' 00" E
L5	12.75	N 12° 10' 00" E
L6	12.75	N 12° 10' 00" E
L7	12.75	N 12° 10' 00" E
L8	12.75	N 12° 10' 00" E
L9	12.75	N 12° 10' 00" E
L10	12.75	N 12° 10' 00" E

Curve Table

Name	Radus	Length	Chord	Chord	Direction
C1	1000.00	62.83	11.74	11.74	N 12° 10' 00" E
C2	1000.00	11.74	1.17	1.17	N 12° 10' 00" E

STATIONING

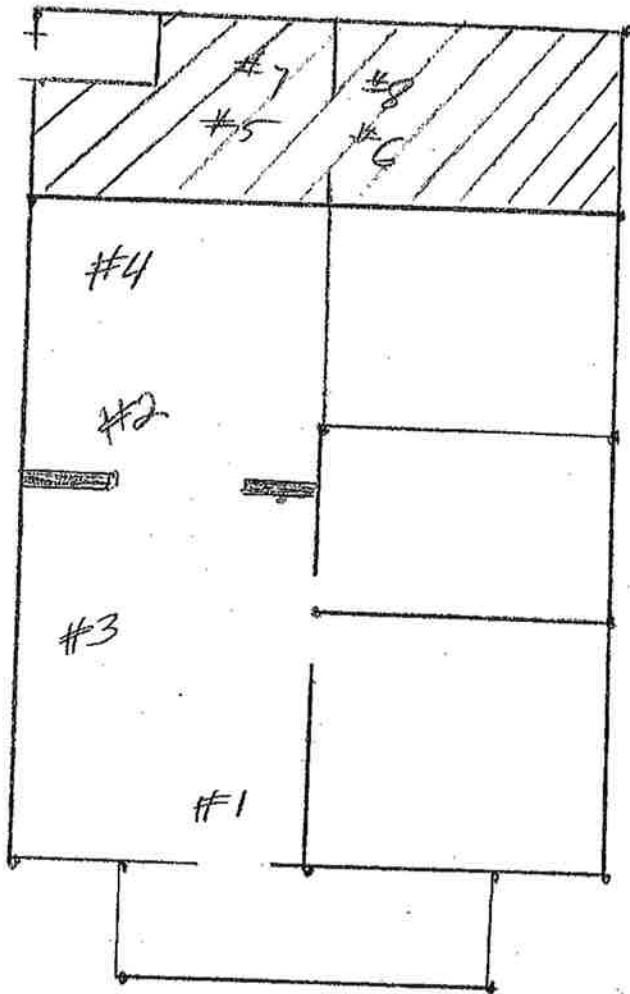
Station	Description
570+00	PT 570+00
575+00	CONST. LIMITS
580+00	CONST. LIMITS
585+00	EXIST. LIMITS
590+00	EXIST. LIMITS



39x



- #1 linoleum +/- 300<sup>¢</sup>
- #2 linoleum +/- 350<sup>¢</sup>
- #3 ceiling texture
- #4 ceiling texture
- #5 9" tile light +/- 250<sup>¢</sup>
- #6 9" tile light
- #7 9" tile dark
- #8 9" tile dark



39 X House

# 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  
**0190246**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/14/2017
Collected:	08/09/2017	Date Reported:	08/15/2017
Project Name:	AHTD TRACT. 39X HOUSE	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190246-001 1	LIVING RM/BEDRM	LAYER 1 Linoleum, Beige/White/Black	No	None Detected	Cellulose Fiber	20%
					Carbonates Gypsum Binder/Filler	80%
		LAYER 2 Mastic, Yellow Note: Difficult to separate adjacent layer	No	None Detected	Cellulose Fiber	5%
					Gypsum Binder/Filler	95%
0190246-002 2	KITCHEN	LAYER 3 Linoleum, White/Black	No	None Detected	Cellulose Fiber	20%
					Carbonates Gypsum Binder/Filler	80%
		LAYER 4 Mastic, Yellow Note: Difficult to separate adjacent layer	No	None Detected	Cellulose Fiber	5%
					Quartz Carbonates Binder/Filler	95%
0190246-003 3	LIV RM	LAYER 1 Joint Compound, White	No	None Detected	Cellulose Fiber	1%
					Carbonates Mica Quartz Binder/Filler	99%
		LAYER 2 Popcorn, White	No	None Detected	Cellulose Fiber	<1%
					Carbonates Gypsum 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  
**0190246**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/14/2017
Collected:	08/09/2017	Date Reported:	08/15/2017
Project Name:	AHTD TRACT. 39X HOUSE	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190246-004 4	KITCHEN	LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Texture, White/ Off White	No	None Detected	Cellulose Fiber 2% Carbonates Mica Quartz Binder/Filler 98%
0190246-005 5		LAYER 1 9" Vinyl Floor Tile, Light Tan	Yes	Chrysotile 5%	Carbonates Quartz Binder/Filler 95%
		LAYER 2 Mastic, Black	Yes	Chrysotile 5%	Cellulose Fiber 2% Quartz Carbonates Binder/Filler 93%
0190246-006 6		LAYER 1 9" Vinyl Floor Tile, Light Tan	Yes	Chrysotile 5%	Carbonates Quartz Binder/Filler 95%
		LAYER 2 Mastic, Black	Yes	Chrysotile 8%	Cellulose Fiber 2% Quartz Carbonates Binder/Filler 90%

# EMC LABS, INC.

8930 S. 51st Street, Suite B109, Phoenix, AZ 85044  
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report  
0190246

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/14/2017
Collected:	08/09/2017	Date Reported:	08/15/2017
Project Name:	AHTD TRACT. 39X HOUSE	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190246-007 7		LAYER 1 9" Vinyl Floor Tile, Dark Tan	Yes	Chrysotile 5%	Carbonates Quartz Binder/Filler 95%
		LAYER 2 Mastic, Black	Yes	Chrysotile 9%	Cellulose Fiber 1% Quartz Carbonates Binder/Filler 90%
0190246-008 8		LAYER 1 9" Vinyl Floor Tile, Dark Tan	Yes	Chrysotile 5%	Carbonates Quartz Binder/Filler 95%
		LAYER 2 Mastic, Black	Yes	Chrysotile 7%	Cellulose Fiber 3% Quartz Carbonates Binder/Filler 90%

  
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 estimates 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 indicative or representative of the quantities 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-friable organically bound materials.

Arkansas Department of Environmental Quality  
ARK. PROFESSIONAL ENVIRONMENTAL SOLUTIONS (APES)

is a licensed  
Asbestos Abatement Consultant

*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director

# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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*

**Air Monitor 6/30/2018**

**Contractor/Supervisor 6/30/2018**

**Inspector 7/31/2018**



Issue Date: 07-Aug-2017

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director

# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

### Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tract 39X larger shed

### Property Owner:

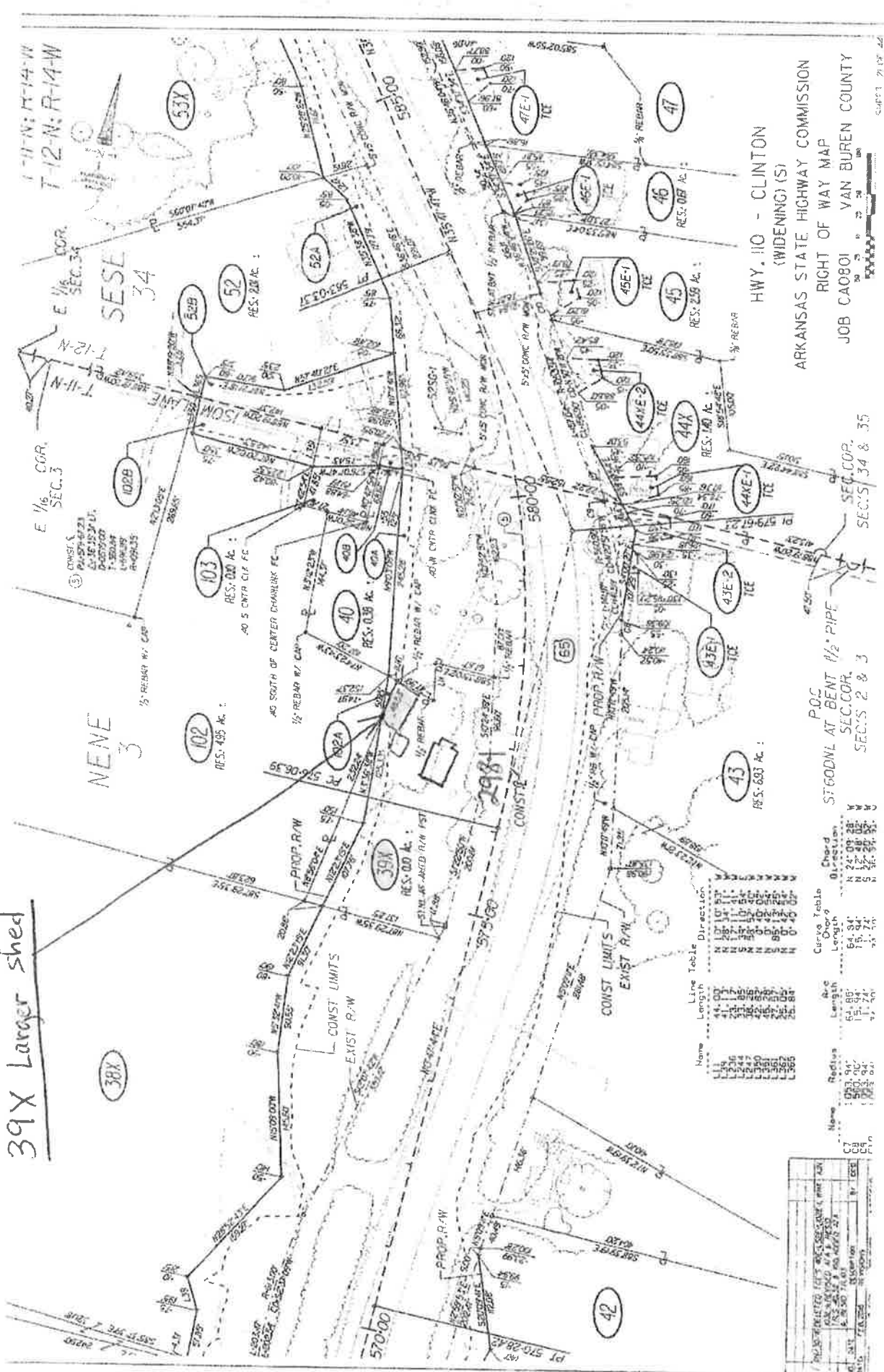
Arkansas Department of Transportation  
Right of Way Division  
10324 Interstate 30  
PO Box 2261  
Little Rock, AR 72203-2261

Inspection dates: August 9, 2017

Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

39X Larger shed



HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CADDOI VAN BUREN COUNTY

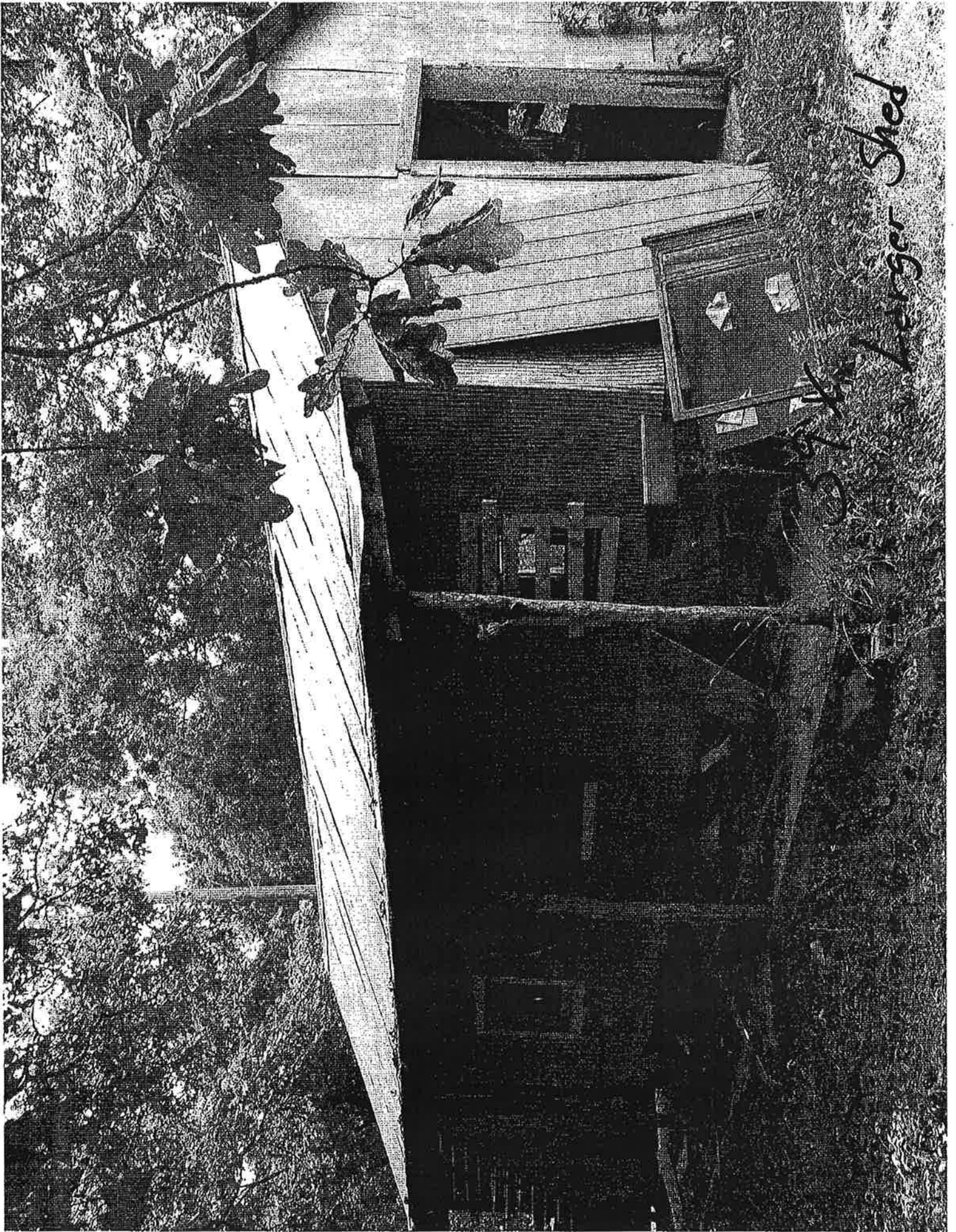
POC ST. GODDNL AT BENT 1/2 PIPE  
SEC. COR.  
SEC'S 2 & 3

Curve Table	Chord	Direction
1	N 24.00 28'	N
2	N 12.28 08'	N
3	S 36.59 35'	S

Name	Line Length	Arc Length	Radius	Chord
1	41.00	41.00	41.00	41.00
2	24.00	24.00	24.00	24.00
3	12.28	12.28	12.28	12.28
4	36.59	36.59	36.59	36.59
5	12.28	12.28	12.28	12.28
6	36.59	36.59	36.59	36.59
7	12.28	12.28	12.28	12.28
8	36.59	36.59	36.59	36.59
9	12.28	12.28	12.28	12.28
10	36.59	36.59	36.59	36.59

Name	Radius	Chord	Direction
1	41.00	41.00	N
2	24.00	24.00	N
3	12.28	12.28	N
4	36.59	36.59	S
5	12.28	12.28	N
6	36.59	36.59	S
7	12.28	12.28	N
8	36.59	36.59	S
9	12.28	12.28	N
10	36.59	36.59	S

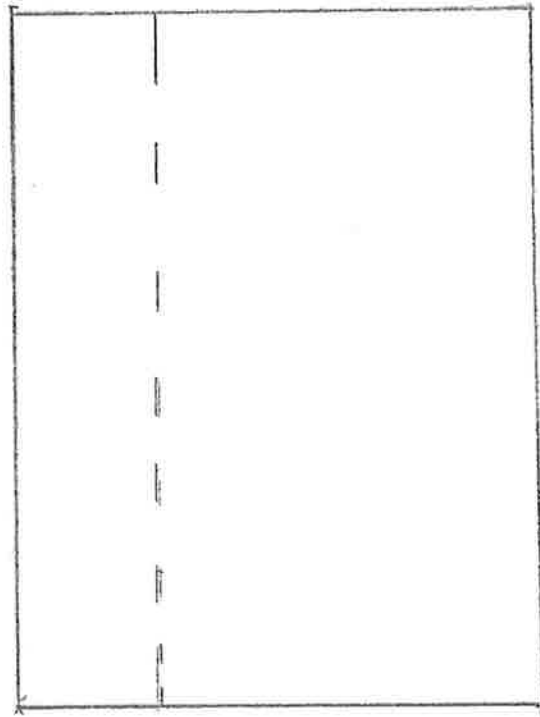




Larger Shed

"NO Suspect Materials"

SHED +/- 875 #



39X Larger Shed

# Arkansas Department of Environmental Quality

## ARK. PROFESSIONAL ENVIRONMENTAL SOLUTIONS (APES)

is a licensed  
**Asbestos Abatement Consultant**

*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

A handwritten signature in cursive script that reads "Becky W. Keogh".

Becky W. Keogh  
ADEQ Director

# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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*

Air Monitor 6/30/2018

Contractor/Supervisor 6/30/2018

Inspector 7/31/2018



Issue Date: 07-Aug-2017

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director

# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tract 39X smallest shed

Property Owner:

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

Inspection dates: August 9, 2017

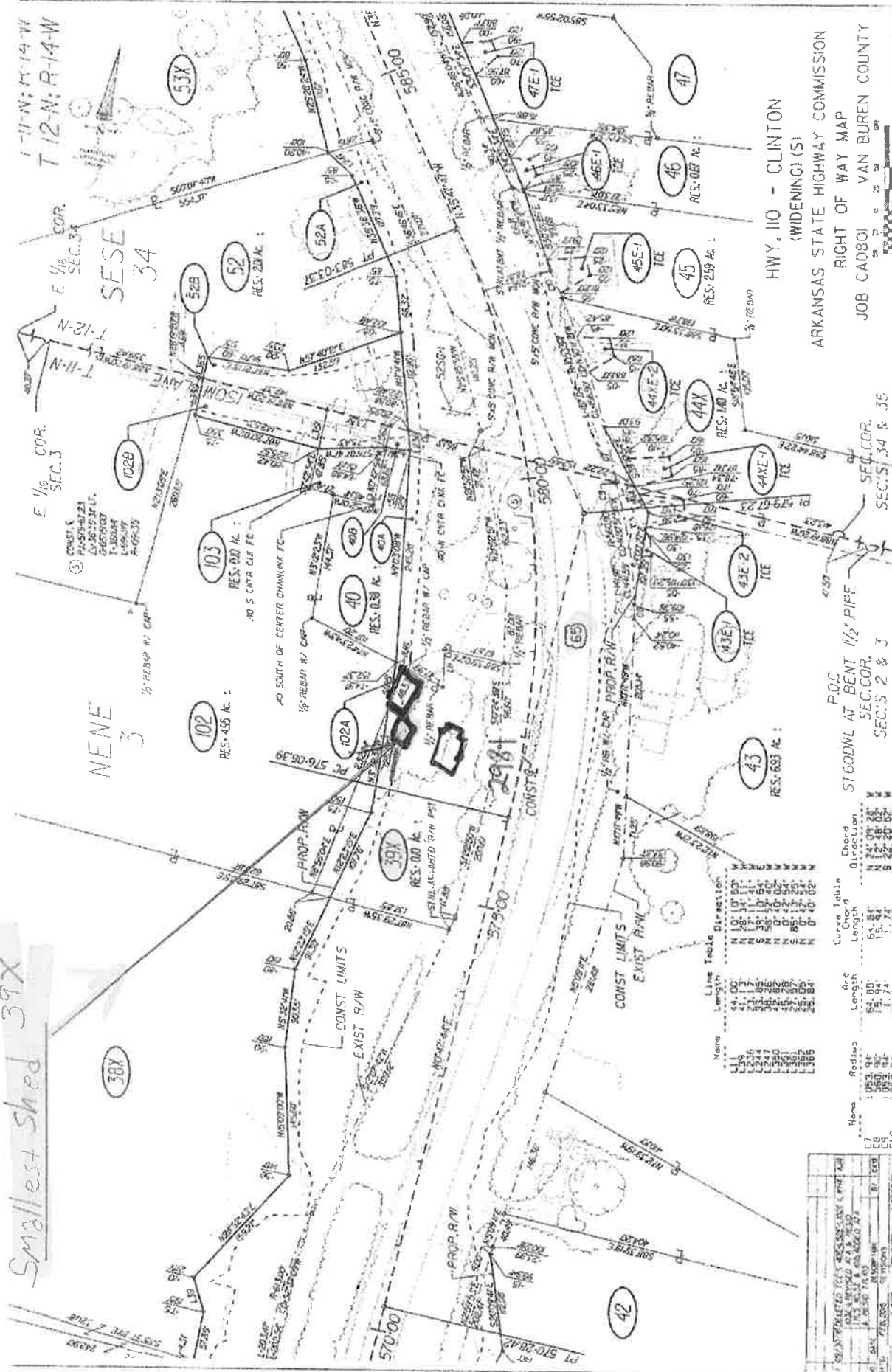
Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

**APES, Inc**  
**ASBESTOS INSPECTION**  
**AHTD Job CA0801**  
**Hwy. 110 - Clinton Widening (S)**  
**Route 65 Section 7**  
**Van Buren County**  
**Tract 39X shed**

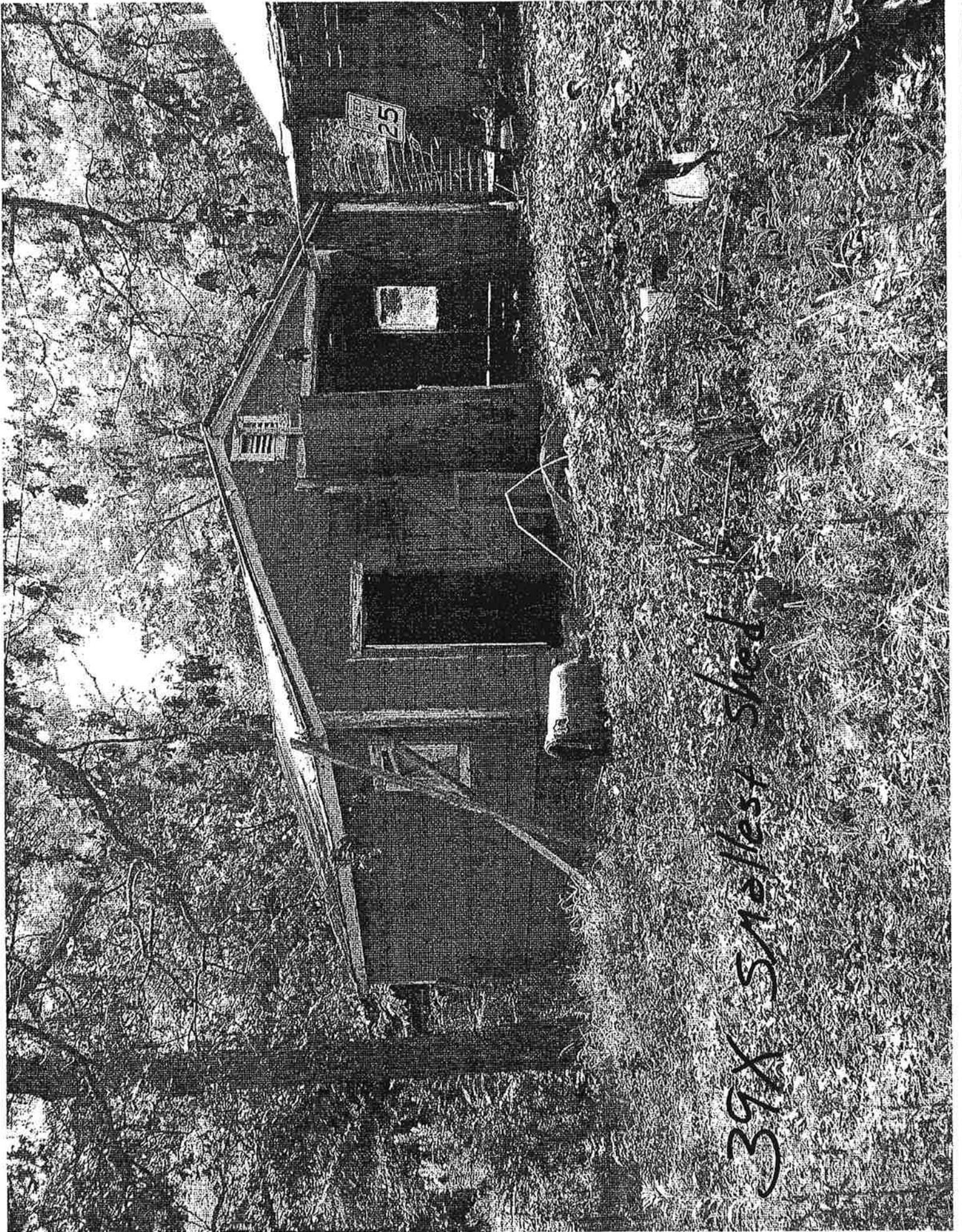
Sample #	Layer #	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type		% ACM	Condition	Friable	Quantity
#1	#1	Exterior	Siding, White/ Green/ Black	No	NAD	NAD	NAD	NAD	NAD	
#2	#1	Exterior	Siding, White/ Green/ Black	No	NAD	NAD	NAD	NAD	NAD	

Smallest shed 39X



HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CADDOI VAN BUREN COUNTY

Name	Length	Chord Length	Chord Direction
N 101 00 00	100.00	100.00	N 101 00 00
N 101 15 00	101.50	101.50	N 101 15 00
N 101 30 00	103.00	103.00	N 101 30 00
N 101 45 00	104.50	104.50	N 101 45 00
N 102 00 00	106.00	106.00	N 102 00 00
N 102 15 00	107.50	107.50	N 102 15 00
N 102 30 00	109.00	109.00	N 102 30 00
N 102 45 00	110.50	110.50	N 102 45 00
N 103 00 00	112.00	112.00	N 103 00 00
N 103 15 00	113.50	113.50	N 103 15 00
N 103 30 00	115.00	115.00	N 103 30 00
N 103 45 00	116.50	116.50	N 103 45 00
N 104 00 00	118.00	118.00	N 104 00 00
N 104 15 00	119.50	119.50	N 104 15 00
N 104 30 00	121.00	121.00	N 104 30 00
N 104 45 00	122.50	122.50	N 104 45 00
N 105 00 00	124.00	124.00	N 105 00 00
N 105 15 00	125.50	125.50	N 105 15 00
N 105 30 00	127.00	127.00	N 105 30 00
N 105 45 00	128.50	128.50	N 105 45 00
N 106 00 00	130.00	130.00	N 106 00 00
N 106 15 00	131.50	131.50	N 106 15 00
N 106 30 00	133.00	133.00	N 106 30 00
N 106 45 00	134.50	134.50	N 106 45 00
N 107 00 00	136.00	136.00	N 107 00 00
N 107 15 00	137.50	137.50	N 107 15 00
N 107 30 00	139.00	139.00	N 107 30 00
N 107 45 00	140.50	140.50	N 107 45 00
N 108 00 00	142.00	142.00	N 108 00 00
N 108 15 00	143.50	143.50	N 108 15 00
N 108 30 00	145.00	145.00	N 108 30 00
N 108 45 00	146.50	146.50	N 108 45 00
N 109 00 00	148.00	148.00	N 109 00 00
N 109 15 00	149.50	149.50	N 109 15 00
N 109 30 00	151.00	151.00	N 109 30 00
N 109 45 00	152.50	152.50	N 109 45 00
N 110 00 00	154.00	154.00	N 110 00 00
N 110 15 00	155.50	155.50	N 110 15 00
N 110 30 00	157.00	157.00	N 110 30 00
N 110 45 00	158.50	158.50	N 110 45 00
N 111 00 00	160.00	160.00	N 111 00 00
N 111 15 00	161.50	161.50	N 111 15 00
N 111 30 00	163.00	163.00	N 111 30 00
N 111 45 00	164.50	164.50	N 111 45 00
N 112 00 00	166.00	166.00	N 112 00 00
N 112 15 00	167.50	167.50	N 112 15 00
N 112 30 00	169.00	169.00	N 112 30 00
N 112 45 00	170.50	170.50	N 112 45 00
N 113 00 00	172.00	172.00	N 113 00 00
N 113 15 00	173.50	173.50	N 113 15 00
N 113 30 00	175.00	175.00	N 113 30 00
N 113 45 00	176.50	176.50	N 113 45 00
N 114 00 00	178.00	178.00	N 114 00 00
N 114 15 00	179.50	179.50	N 114 15 00
N 114 30 00	181.00	181.00	N 114 30 00
N 114 45 00	182.50	182.50	N 114 45 00
N 115 00 00	184.00	184.00	N 115 00 00
N 115 15 00	185.50	185.50	N 115 15 00
N 115 30 00	187.00	187.00	N 115 30 00
N 115 45 00	188.50	188.50	N 115 45 00
N 116 00 00	190.00	190.00	N 116 00 00
N 116 15 00	191.50	191.50	N 116 15 00
N 116 30 00	193.00	193.00	N 116 30 00
N 116 45 00	194.50	194.50	N 116 45 00
N 117 00 00	196.00	196.00	N 117 00 00
N 117 15 00	197.50	197.50	N 117 15 00
N 117 30 00	199.00	199.00	N 117 30 00
N 117 45 00	200.50	200.50	N 117 45 00
N 118 00 00	202.00	202.00	N 118 00 00
N 118 15 00	203.50	203.50	N 118 15 00
N 118 30 00	205.00	205.00	N 118 30 00
N 118 45 00	206.50	206.50	N 118 45 00
N 119 00 00	208.00	208.00	N 119 00 00
N 119 15 00	209.50	209.50	N 119 15 00
N 119 30 00	211.00	211.00	N 119 30 00
N 119 45 00	212.50	212.50	N 119 45 00
N 120 00 00	214.00	214.00	N 120 00 00
N 120 15 00	215.50	215.50	N 120 15 00
N 120 30 00	217.00	217.00	N 120 30 00
N 120 45 00	218.50	218.50	N 120 45 00
N 121 00 00	220.00	220.00	N 121 00 00
N 121 15 00	221.50	221.50	N 121 15 00
N 121 30 00	223.00	223.00	N 121 30 00
N 121 45 00	224.50	224.50	N 121 45 00
N 122 00 00	226.00	226.00	N 122 00 00
N 122 15 00	227.50	227.50	N 122 15 00
N 122 30 00	229.00	229.00	N 122 30 00
N 122 45 00	230.50	230.50	N 122 45 00
N 123 00 00	232.00	232.00	N 123 00 00
N 123 15 00	233.50	233.50	N 123 15 00
N 123 30 00	235.00	235.00	N 123 30 00
N 123 45 00	236.50	236.50	N 123 45 00
N 124 00 00	238.00	238.00	N 124 00 00
N 124 15 00	239.50	239.50	N 124 15 00
N 124 30 00	241.00	241.00	N 124 30 00
N 124 45 00	242.50	242.50	N 124 45 00
N 125 00 00	244.00	244.00	N 125 00 00
N 125 15 00	245.50	245.50	N 125 15 00
N 125 30 00	247.00	247.00	N 125 30 00
N 125 45 00	248.50	248.50	N 125 45 00
N 126 00 00	250.00	250.00	N 126 00 00
N 126 15 00	251.50	251.50	N 126 15 00
N 126 30 00	253.00	253.00	N 126 30 00
N 126 45 00	254.50	254.50	N 126 45 00
N 127 00 00	256.00	256.00	N 127 00 00
N 127 15 00	257.50	257.50	N 127 15 00
N 127 30 00	259.00	259.00	N 127 30 00
N 127 45 00	260.50	260.50	N 127 45 00
N 128 00 00	262.00	262.00	N 128 00 00
N 128 15 00	263.50	263.50	N 128 15 00
N 128 30 00	265.00	265.00	N 128 30 00
N 128 45 00	266.50	266.50	N 128 45 00
N 129 00 00	268.00	268.00	N 129 00 00
N 129 15 00	269.50	269.50	N 129 15 00
N 129 30 00	271.00	271.00	N 129 30 00
N 129 45 00	272.50	272.50	N 129 45 00
N 130 00 00	274.00	274.00	N 130 00 00
N 130 15 00	275.50	275.50	N 130 15 00
N 130 30 00	277.00	277.00	N 130 30 00
N 130 45 00	278.50	278.50	N 130 45 00
N 131 00 00	280.00	280.00	N 131 00 00
N 131 15 00	281.50	281.50	N 131 15 00
N 131 30 00	283.00	283.00	N 131 30 00
N 131 45 00	284.50	284.50	N 131 45 00
N 132 00 00	286.00	286.00	N 132 00 00
N 132 15 00	287.50	287.50	N 132 15 00
N 132 30 00	289.00	289.00	N 132 30 00
N 132 45 00	290.50	290.50	N 132 45 00
N 133 00 00	292.00	292.00	N 133 00 00
N 133 15 00	293.50	293.50	N 133 15 00
N 133 30 00	295.00	295.00	N 133 30 00
N 133 45 00	296.50	296.50	N 133 45 00
N 134 00 00	298.00	298.00	N 134 00 00
N 134 15 00	299.50	299.50	N 134 15 00
N 134 30 00	301.00	301.00	N 134 30 00
N 134 45 00	302.50	302.50	N 134 45 00
N 135 00 00	304.00	304.00	N 135 00 00
N 135 15 00	305.50	305.50	N 135 15 00
N 135 30 00	307.00	307.00	N 135 30 00
N 135 45 00	308.50	308.50	N 135 45 00
N 136 00 00	310.00	310.00	N 136 00 00
N 136 15 00	311.50	311.50	N 136 15 00
N 136 30 00	313.00	313.00	N 136 30 00
N 136 45 00	314.50	314.50	N 136 45 00
N 137 00 00	316.00	316.00	N 137 00 00
N 137 15 00	317.50	317.50	N 137 15 00
N 137 30 00	319.00	319.00	N 137 30 00
N 137 45 00	320.50	320.50	N 137 45 00
N 138 00 00	322.00	322.00	N 138 00 00
N 138 15 00	323.50	323.50	N 138 15 00
N 138 30 00	325.00	325.00	N 138 30 00
N 138 45 00	326.50	326.50	N 138 45 00
N 139 00 00	328.00	328.00	N 139 00 00
N 139 15 00	329.50	329.50	N 139 15 00
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N 139 45 00	332.50	332.50	N 139 45 00
N 140 00 00	334.00	334.00	N 140 00 00
N 140 15 00	335.50	335.50	N 140 15 00
N 140 30 00	337.00	337.00	N 140 30 00
N 140 45 00	338.50	338.50	N 140 45 00
N 141 00 00	340.00	340.00	N 141 00 00
N 141 15 00	341.50	341.50	N 141 15 00
N 141 30 00	343.00	343.00	N 141 30 00
N 141 45 00	344.50	344.50	N 141 45 00
N 142 00 00	346.00	346.00	N 142 00 00
N 142 15 00	347.50	347.50	N 142 15 00
N 142 30 00	349.00	349.00	N 142 30 00
N 142 45 00	350.50	350.50	N 142 45 00
N 143 00 00	352.00	352.00	N 143 00 00
N 143 15 00	353.50	353.50	N 143 15 00
N 143 30 00	355.00	355.00	N 143 30 00
N 143 45 00	356.50	356.50	N 143 45 00
N 144 00 00	358.00	358.00	N 144 00 00
N 144 15 00	359.50	359.50	N 144 15 00
N 144 30 00	361.00	361.00	N 144 30 00
N 144 45 00	362.50	362.50	N 144 45 00
N 145 00 00	364.00	364.00	N 145 00 00
N 145 15 00	365.50	365.50	N 145 15 00
N 145 30 00	367.00	367.00	N 145 30 00
N 145 45 00	368.50	368.50	N 145 45 00
N 146 00 00	370.00	370.00	N 146 00 00
N 146 15 00	371.50	371.50	N 146 15 00
N 146 30 00	373.00	373.00	N 146 30 00
N 146 45 00	374.50	374.50	N 146 45 00
N 147 00 00	376.00	376.00	N 147 00 00
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N 147 30 00	379.00	379.00	N 147 30 00
N 147 45 00	380.50	380.50	N 147 45 00
N 148 00 00	382.00	382.00	N 148 00 00
N 148 15 00	383.50	383.50	N 148 15 00
N 148 30 00	385.00	385.00	N 148 30 00
N 148 45 00	386.50	386.50	N 148 45 00
N 149 00 00	388.00	388.00	N 149 00 00
N 149 15 00	389.50	389.50	N 149 15 00
N 149 30 00	391.00	391.00	N 149 30 00
N 149 45 00	392.50	392.50	N 149 45 00
N 150 00 00	394.00	394.00	N 150 00 00
N 150 15 00	395.50	395.50	N 150 15 00
N 150 30 00	397.00	397.00	N 150 30 00
N 150 45 00	398.50	398.50	N 150 45 00
N 151 00 00	400.00	400.00	N 151 00 00
N 151 15 00	401.50	401.50	N 151 15 00
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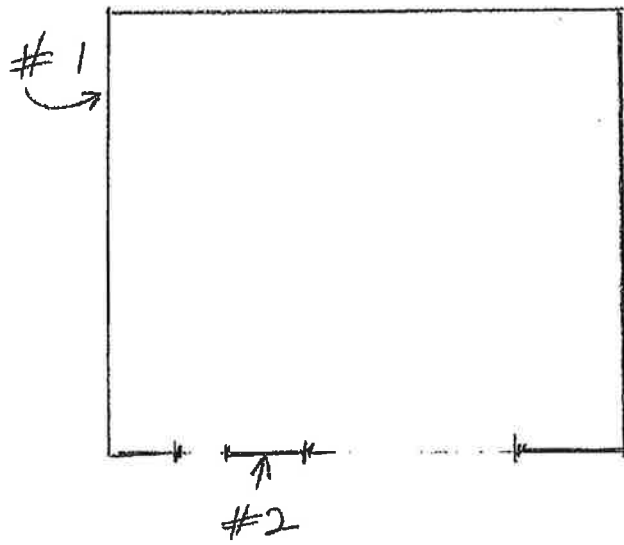


39X SMOKELESS SHED



#1 Siding  
#2 Siding

SHED 4-625#



39X

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

LAB#: 190247  
 TAT: 1-2 day  
 Rec'd: AUG 14 P.M.

COMPANY NAME: APES, Inc.  
 Address: Po Box 411  
Malvern, AR 72104  
 CONTACT: Tessa Michna  
 Phone/Fax: (501) 844-0918  
 Email: apesconsulting@gmail.com

BILL TO: (If Different Location)  
Pd ck# 1918

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:** AHTD - 39X SHED  
**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>1</u>	<u>1</u>	<u>8-9-17</u>	<u>Siding asphalt</u>	<u>2</u> N			
<u>2</u>	<u>2</u>	<u>8-9-17</u>	<u>Siding asphalt</u>	<u>1</u> 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:**  
 Sample Collector: (Print) Ross Burk (Signature) [Signature]  
 Relinquished by: [Signature] Date/Time: 8/11/17 Received by: Diana Federico Date/Time: 8/14/17  
 Relinquished by: Diana Federico Date/Time: 8/14/17 Received by: [Signature] Date/Time: 8/14/17  
 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  
**0190247**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

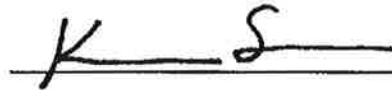
Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/09/2017  
Project Name: AHTD-39X SHED  
Address:

Job# / P.O. #: \_\_\_\_\_  
Date Received: 08/14/2017  
Date Analyzed: 08/16/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190247-001 1		Siding, White/ Green/ Black	No	None Detected	Cellulose Fiber 20% Carbonates Quartz Gypsum Binder/Filler 80%
0190247-002 2		Siding, White/ Green/ Black	No	None Detected	Cellulose Fiber 20% Carbonates Quartz Gypsum Binder/Filler 80%



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

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 indicative 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

## ARK. PROFESSIONAL ENVIRONMENTAL SOLUTIONS (APES)

is a licensed  
**Asbestos Abatement Consultant**

*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

A handwritten signature in cursive script, reading "Becky W. Keogh".

Becky W. Keogh  
ADEQ Director

# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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*

**Air Monitor 6/30/2018**

**Contractor/Supervisor 6/30/2018**

**Inspector 7/31/2018**



Issue Date: 07-Aug-2017

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director

# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tract 69X

Property Owner:

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

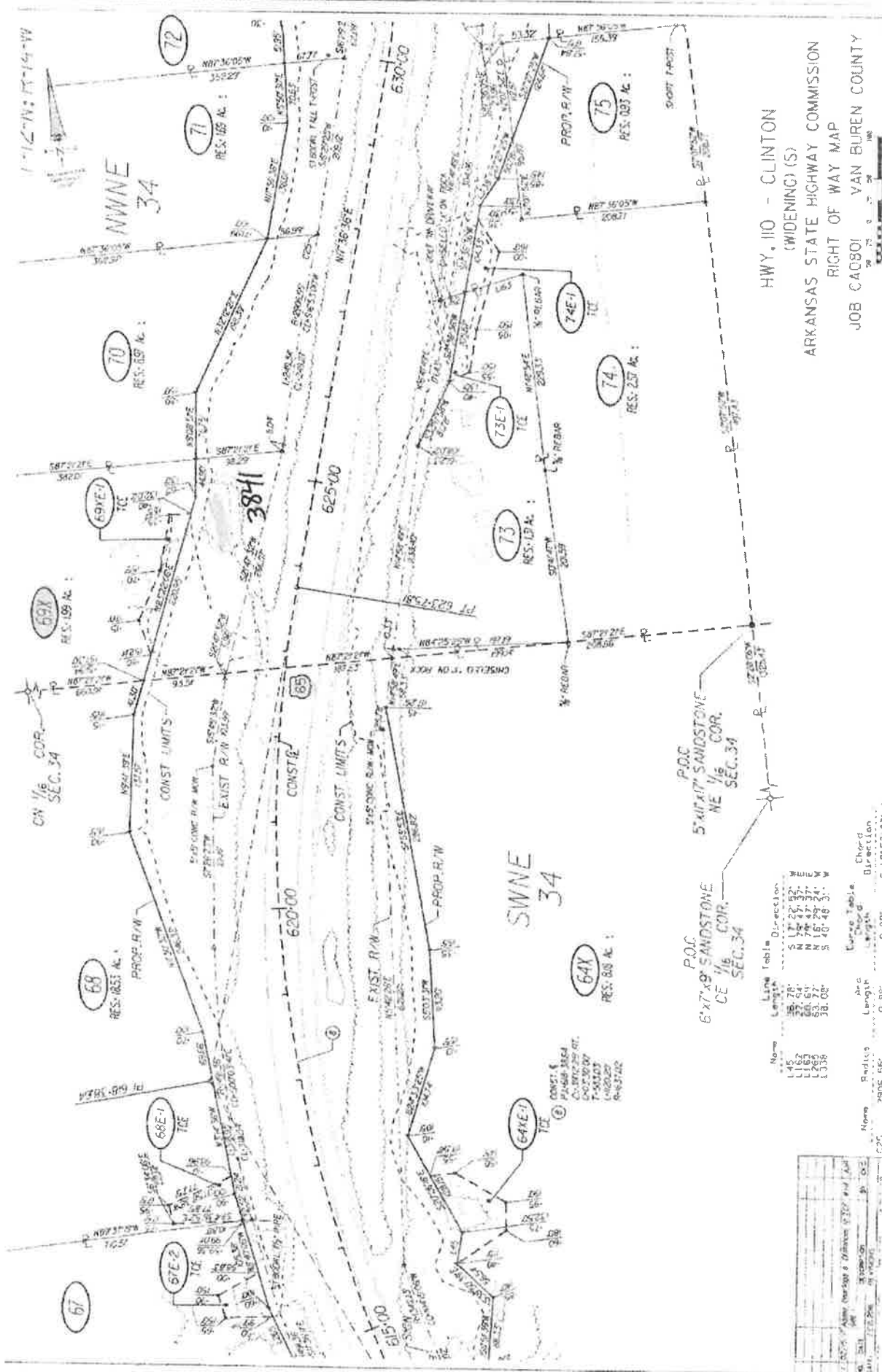
Inspection dates: August 10, 2017

Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

**APES, Inc**  
**ASBESTOS INSPECTION**  
**AHTD Job CA0801**  
**Route 110 - Clinton Widening (S)**  
**Van Buren County**  
**Tract 69X**

Sample #	Layer #	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	% ACM	Condition	Friable	Quantity
#1	#1	Wall	Sheetrock, White/ Brown	No	NAD	NAD	NAD	NAD	
#1	#2	Wall	Wallpaper, Beige/ Brown	No	NAD	NAD	NAD	NAD	
#2	#1	Wall	Sheetrock, White/ Brown	No	NAD	NAD	NAD	NAD	
#2	#2	Wall	Wallpaper, Beige/ Brown	No	NAD	NAD	NAD	NAD	
#3	#1	Ceiling	Ceiling Tile, White / Tan	No	NAD	NAD	NAD	NAD	
#4	#1	Ceiling	Ceiling Tile, White / Tan	No	NAD	NAD	NAD	NAD	
#5	#1	Floor	Linoleum, Beige/ Tan	No	NAD	NAD	NAD	NAD	
#5	#2	Floor	Mastic, Clear/Yellow	No	NAD	NAD	NAD	NAD	
#6	#1	Floor	Linoleum, Beige/ Tan	No	NAD	NAD	NAD	NAD	
#6	#2	Floor	Mastic, Clear/Yellow	No	NAD	NAD	NAD	NAD	
#7	#1	Floor	Linoleum, Beige/ Black	No	NAD	NAD	NAD	NAD	
#7	#2	Floor	Mastic, Clear/Yellow	No	NAD	NAD	NAD	NAD	
#8	#1	Floor	Linoleum, Beige/ Black	No	NAD	NAD	NAD	NAD	
#8	#2	Floor	Mastic, Clear/Yellow	No	NAD	NAD	NAD	NAD	



HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CAC801 VAN BUREN COUNTY

SHEET 24 OF 24

P.O.C. SANDSTONE  
NE 1/4 COR.  
SEC. 34

P.O.C. SANDSTONE  
CE 1/16 COR.  
SEC. 34

P.O.C. SANDSTONE  
NE 1/4 COR.  
SEC. 34

SWNE  
34

NWNE  
34

Name	Line Length	Table Direction	Turns Table Length	Chord Length	Chord Direction
45	18.78	N 71° 25' 52"	18.78	18.78	N 71° 25' 52"
116	37.54	N 71° 25' 52"	37.54	37.54	N 71° 25' 52"
126	41.51	N 71° 25' 52"	41.51	41.51	N 71° 25' 52"
133	47.37	N 71° 25' 52"	47.37	47.37	N 71° 25' 52"
133	53.08	S 18° 48' 31"	53.08	53.08	S 18° 48' 31"

Name: 24926.54'

Radius: 0.89'

Length: 0.89'

Chord: 5.18' 53.17" N

Name	Radius	Length	Chord
1	24926.54'	0.89'	5.18' 53.17" N

CONST. &  
C-1000-3854  
C-1000-3854  
C-1000-3854  
C-1000-3854  
C-1000-3854

67

67E-2

68E-1

68

69X

70E-1

70

72

71

73

73E-1

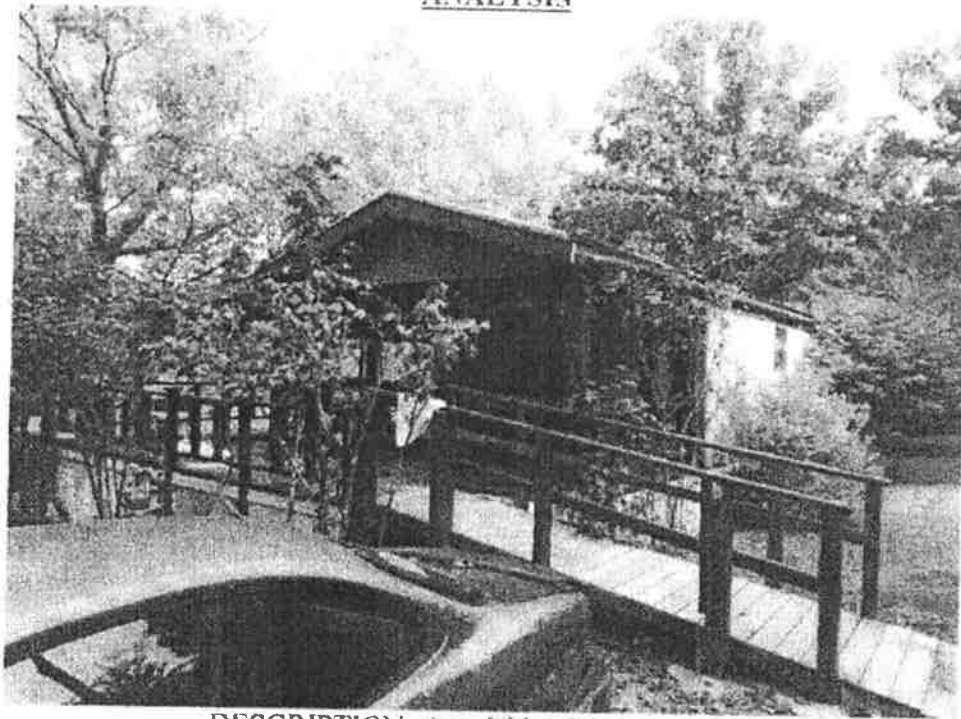
74

74E-1

75



ANALYSIS

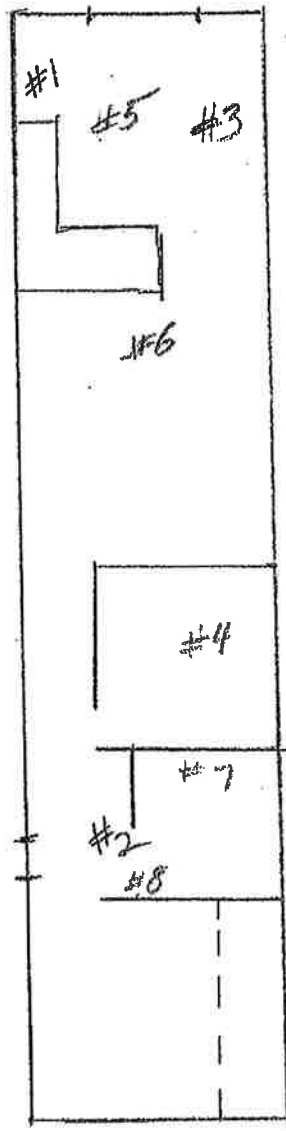


DESCRIPTION: Acquisition INITIALS: AL  
DIRECTION: North DATE: 9-15-2016



DESCRIPTION: Acquisition INITIALS: AL  
DIRECTION: Northwest DATE: 9-15-2016

- #1 Sheetrock wall
- #2 Sheetrock wall
- #3 ceiling board
- #4 ceiling board
- #5 linoleum
- #6 linoleum
- #7 linoleum
- #8 linoleum



69X

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

LAB#: 190248  
 TAT: 1-2 day  
 Rec'd: AUG 14 P.M.

COMPANY NAME: APES, Inc.  
 Address: PO Box 411  
Malvern, AR 72104  
 CONTACT: Tessa Michna  
 Phone/Fax: (501) 844-0918  
 Email: apesconsulting@gmail.com  
 Now Accepting: VISA - MASTERCARD

BILL TO: (If Different Location)  
PO Box # 1918

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:** AHTD - Tract # 69X  
**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	8-10-17	Sheet rock wall	0 N			
2	2	}	" " "	Y N			
3	3		Ceiling board	Y N			
4	4		" "	Y N			
5	5		Luxalon	Y N			
6	6		"	Y N			
7	7		"	Y N			
8	8		8-10-17	"	0 N		
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

**SPECIAL INSTRUCTIONS:**  
 Sample Collector: (Print) Rev Parker (Signature) [Signature]  
 Relinquished by: [Signature] Date/Time: 8/14/17 Received by: Diana Federico Date/Time: 8/14/17  
 Relinquished by: Diana Federico Date/Time: 8/14/17 Received by: [Signature] Date/Time: 8/14/17  
 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  
**0190248**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/15/2017
Collected:	08/10/2017	Date Reported:	08/15/2017
Project Name:	AHTD-TRACT #69X	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190248-001 #1		LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Quartz Carbonates 88%
		LAYER 2 Wallpaper, Beige/ Brown	No	None Detected	Cellulose Fiber 85% Carbonates Gypsum Binder/Filler 15%
0190248-002 #2		LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Quartz Carbonates 88%
		LAYER 2 Wallpaper, Beige/ Brown	No	None Detected	Cellulose Fiber 85% Carbonates Gypsum Binder/Filler 15%
0190248-003 #3		Ceiling Tile, White / Tan	No	None Detected	Cellulose Fiber 75% Mineral Wool 5% Carbonates Gypsum Perlite Binder/Filler 20%
0190248-004 #4		Ceiling Tile, White / Tan	No	None Detected	Cellulose Fiber 75% Mineral Wool 5% Carbonates Gypsum Perlite Binder/Filler 20%

# EMC LABS, INC.

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Laboratory Report  
**0190248**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC. Job# / P.O. #:  
Address: P. O. BOX 411 Date Received: 08/14/2017  
MALVERN AR 72104 Date Analyzed: 08/15/2017  
Collected: 08/10/2017 Date Reported: 08/15/2017  
Project Name: AHTD-TRACT #69X EPA Method: EPA 600/R-93/116  
Address: Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190248-005 #5		LAYER 1 Linoleum, Beige/ Tan	No	None Detected	Cellulose Fiber 15% Fibrous Glass 5% Carbonates Gypsum Binder/Filler 80%
		LAYER 2 Mastic, Clear/Yellow	No	None Detected	Cellulose Fiber 5% Fibrous Glass 2% Carbonates Gypsum Quartz Binder/Filler 93%
0190248-006 #6		LAYER 1 Linoleum, Beige/ Tan	No	None Detected	Cellulose Fiber 15% Fibrous Glass 5% Carbonates Gypsum Binder/Filler 80%
		LAYER 2 Mastic, Clear/Yellow	No	None Detected	Cellulose Fiber 5% Fibrous Glass 2% Carbonates Gypsum Quartz Binder/Filler 93%
0190248-007 #7		LAYER 1 Linoleum, Beige/ Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Clear/Yellow	No	None Detected	Cellulose Fiber 7% Carbonates Gypsum Quartz Binder/Filler 93%

# 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  
**0190248**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD-TRACT #69X  
Address:

Job# / P.O. #: \_\_\_\_\_  
Date Received: 08/14/2017  
Date Analyzed: 08/15/2017  
Date Reported: 08/15/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190248-008 #8		LAYER 1 Linoleum, Beige/ Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
		LAYER 2 Mastic, Clear/Yellow	No	None Detected	Cellulose Fiber 4% Synthetic Fiber <1% Carbonates Gypsum Quartz Binder/Filler 95%



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

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 estimates 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 indicative or representative of the quality 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-friable organically bound materials.

# Arkansas Department of Environmental Quality

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*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

A handwritten signature in cursive script that reads "Becky W. Keogh".

Becky W. Keogh  
ADEQ Director

# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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*

**Air Monitor 6/30/2018**

**Contractor/Supervisor 6/30/2018**

**Inspector 7/31/2018**



Issue Date: 07-Aug-2017

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director



# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tract 100X

Property Owner:

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

Inspection dates: August 10, 2017

Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

## Summary

On August 10, 2017, an asbestos survey was performed at a single-family dwelling at AHTD Tract 100X, Route 65 Section 7, Van Buren County, Clinton, AR. The purpose of this survey was to identify any asbestos containing material in the structure prior to demolition. Thirteen (13) samples were taken which yielded twenty-seven (27) analyses. Of these analyses, three (3) samples tested positive for the presence of asbestos. These were the off white/tan/light gray ceiling texture in the kitchen, the off white/tan/light beige ceiling texture in the back left bedroom, and the off white/tan/black ceiling texture in the front left bedroom. (See the attached drawing for location of sample #11 in the kitchen and samples #12 and #13 in the bedrooms.) This material is RACM and must be removed and disposed of in an approved landfill by a licensed company using licensed workers prior to demolition. A ten day NOI (Notice of Intent) must be filed with ADEQ for the asbestos abatement and another NOI for demolition. A copy of this survey as well as the NOI should be available on site during 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.

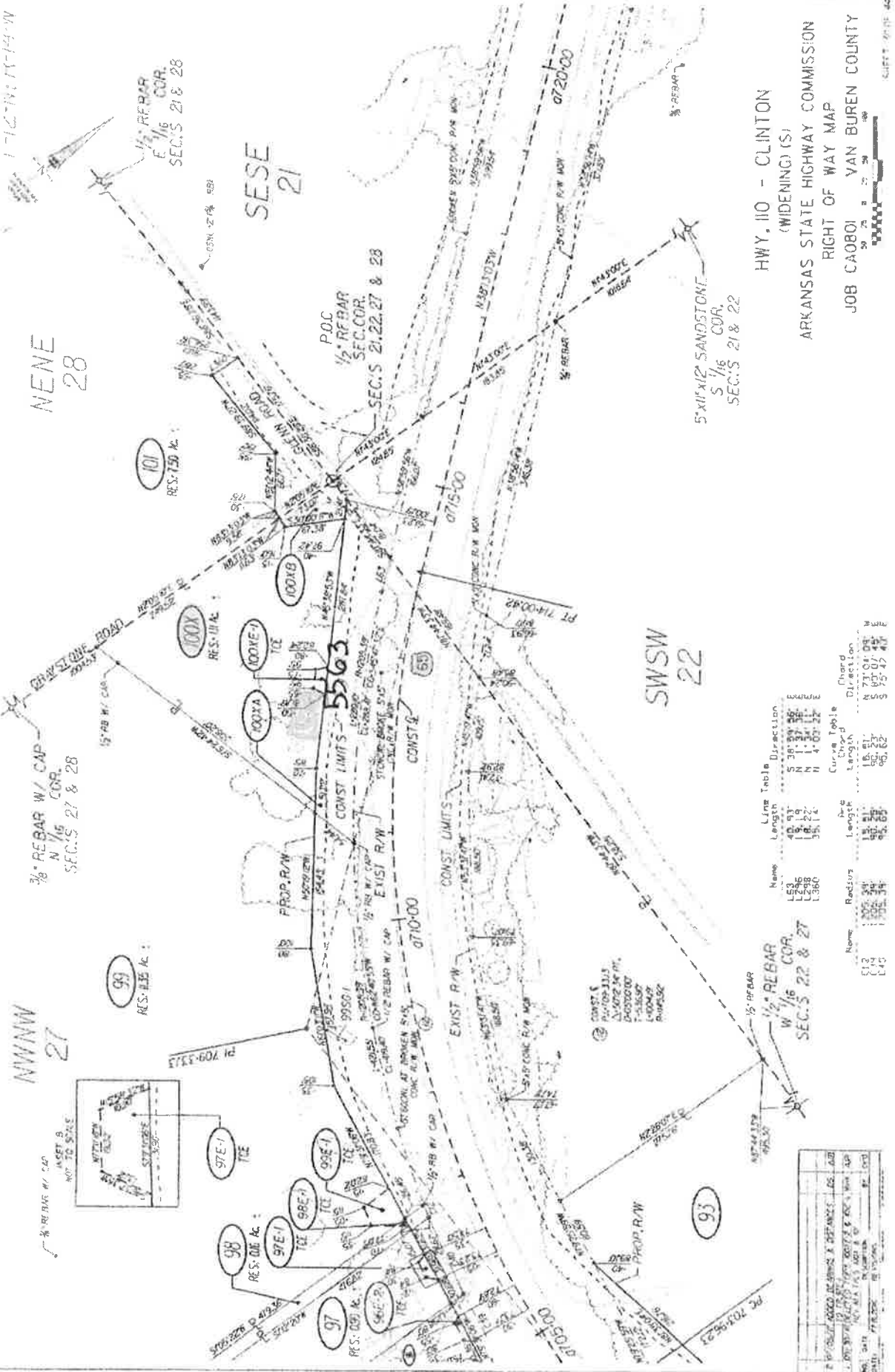
## OSHA

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 non friable.

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

**APES, Inc**  
**ASBESTOS INSPECTION**  
 AHTD Job CA0801  
 Hwy. 110 - Clinton Widening (S)  
 Route 65 Section 7  
 Van Buren County  
 Tract 100X

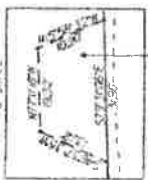
Sample #	Layer #	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	% ACM	Condition	Friable	Quantity
#1	#1	Living Room	Ceiling Drywall, White/ Brown	No	NAD	NAD	NAD	NAD	
#1	#2	Living Room	Ceiling Texture, White/ Gray	No	NAD	NAD	NAD	NAD	
#2	#1	Living Room	Ceiling Texture, Lt. Beige/ Black	No	NAD	NAD	NAD	NAD	
#3	#1	Living Room	Wallboard, White/ Brown	No	NAD	NAD	NAD	NAD	
#3	#2	Living Room	Texture/ Paint, Beige/ Gray/ Red	No	NAD	NAD	NAD	NAD	
#4	#1	Living Room	Wallboard, White/ Brown	No	NAD	NAD	NAD	NAD	
#4	#2	Living Room	Joint Compound, White	No	NAD	NAD	NAD	NAD	
#4	#3	Living Room	Tape, Off White	No	NAD	NAD	NAD	NAD	
#4	#4	Living Room	Texture, Beige/ Gray/ Red	No	NAD	NAD	NAD	NAD	
#5	#1	Bedroom	Wallboard, White/ Brown	No	NAD	NAD	NAD	NAD	
#5	#2	Bedroom	Texture, White/ Off White	No	NAD	NAD	NAD	NAD	
#6	#1	Bedroom	Wallboard, White/ Brown	No	NAD	NAD	NAD	NAD	
#6	#2	Bedroom	Texture/ Paint, White	No	NAD	NAD	NAD	NAD	
#7	#1	Living Room	Floor Linoleum, Brown	No	NAD	NAD	NAD	NAD	
#7	#2	Living Room	Mastic, Yellow	No	NAD	NAD	NAD	NAD	
#8	#1	Living Room	Floor Linoleum, Brown	No	NAD	NAD	NAD	NAD	
#8	#2	Living Room	Mastic, Yellow	No	NAD	NAD	NAD	NAD	
#9	#1	Kitchen	Floor Linoleum, Off White	No	NAD	NAD	NAD	NAD	
#9	#2	Kitchen	Mastic, Tan	No	NAD	NAD	NAD	NAD	
#10	#1	Kitchen	Floor Linoleum, Off White	No	NAD	NAD	NAD	NAD	
#10	#2	Kitchen	Mastic, Tan	No	NAD	NAD	NAD	NAD	
#11	#1	Kitchen	Drywall Ceiling, White/ Brown	No	NAD	NAD	NAD	NAD	
#11	#2	Kitchen	Ceiling Texture, Off White/ Tan/ Lt. Gray	Yes	chrysotile	3%	Good	Yes	±700 sq ft
#12	#1	Bedroom	Drywall Ceiling, White/ Brown	No	NAD	NAD	NAD	NAD	
#12	#2	Bedroom	Ceiling Texture, Off White/ Tan/ Lt. Beige	Yes	chrysotile	3%	Good	Yes	±700 sq ft
#13	#1	Bedroom	Drywall Ceiling, White/ Brown	No	NAD	NAD	NAD	NAD	
#13	#2	Bedroom	Ceiling Texture, Off White/ Tan/ Black	Yes	chrysotile	3%	Good	Yes	±700 sq ft



HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CA001 - VAN BUREN COUNTY  
SHEET 20 OF 40

Name	Radius	Length	Area	Chord	Chord Direction
C12	1000.00	13.81	18.81	18.81	N 71° 04' 03" W
C13	1000.00	49.23	60.23	60.23	N 81° 07' 45" W
C14	1000.00	90.62	90.62	90.62	S 15° 17' 47" W

Name	Length	Direction	Station
S1	36.24	N 26° 24' 26" W	0710+00.00
S2	1.24	N 1° 34' 11" W	0710+00.00
S3	38.14	N 4° 03' 22" W	0710+00.00



1/2" REBAR W/ CAP  
INSET B  
NOT TO SCALE

NWNW 27

3/8" REBAR W/ CAP  
N 1/16 COR.  
SEC.S 27 & 28

NENE 28

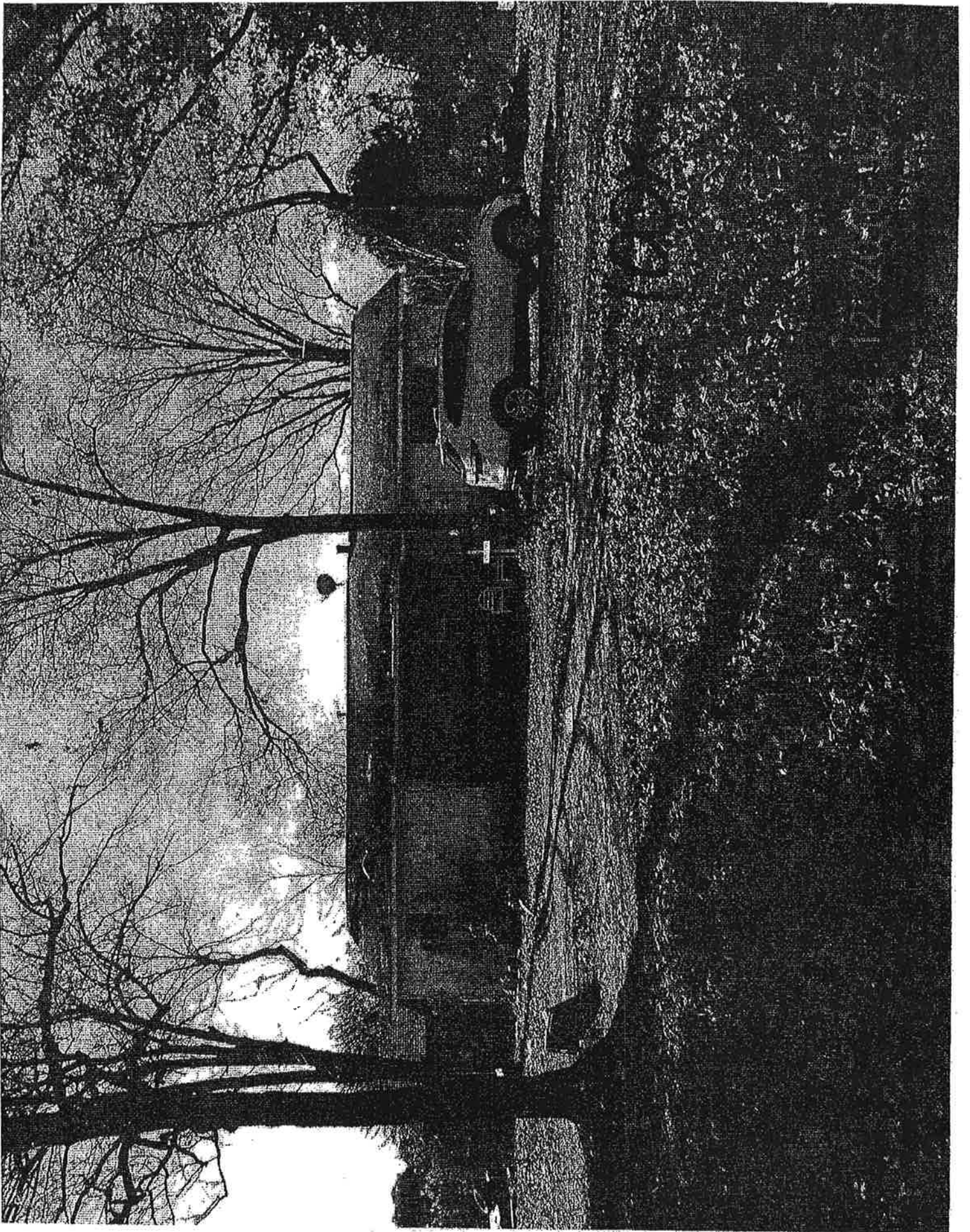
SESE 21

SWSW 22

5" x 11" x 12" SANDSTONE  
S 1/16 COR.  
SEC.S 21 & 22

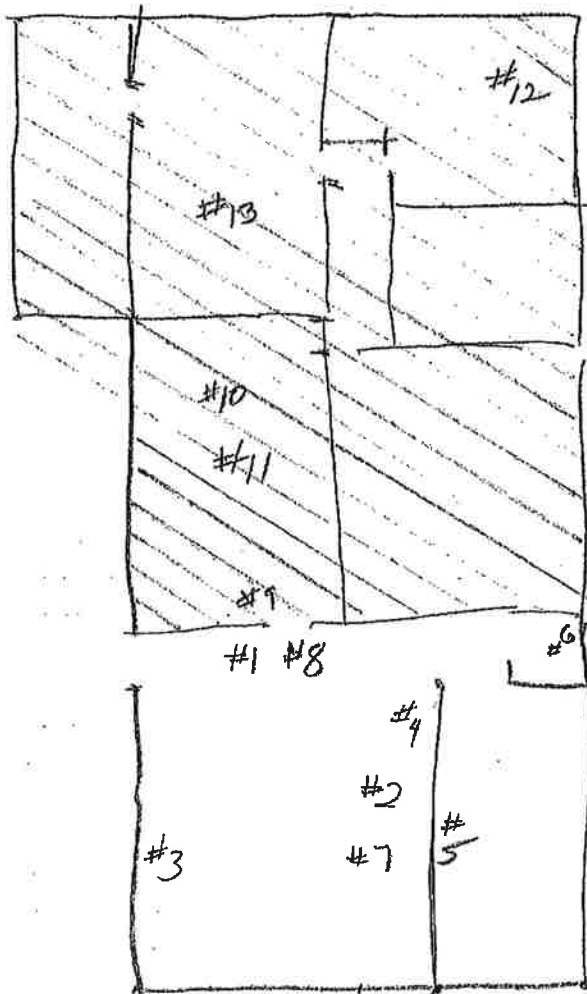
1/2" REBAR  
W 1/16 COR.  
SEC.S 22 & 27

Name	Length	Direction	Station
S4	40.83	S 36° 24' 26" W	0710+00.00
S5	1.24	N 1° 34' 11" W	0710+00.00
S6	38.14	N 4° 03' 22" W	0710+00.00




# Tract 100X

180  
170  
165



- #1 Living Room ceiling
- #2 " " "
- #3 " " wall
- #4 " " wall
- #5 Bedroom wall
- #6 Bedroom wall
- #7 Livingrm floor
- #8 " " "
- #9 Kitchen Floor
- #10 Kitchen Floor
- #11 Kitchen ceiling
- #12 Bedroom ceiling
- #13 Bedroom ceiling

5563

 - ceiling texture  
+/- 700<sup>#</sup>

\* #15 7'x6 +/- 4<sup>#</sup> total  
\* #9+10 +/- 170<sup>#</sup>  
#11,12,13 +/- 700<sup>#</sup>  
#1 +/- 650<sup>#</sup>

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

LAB#: 190249  
 TAT: 1-2 days  
 Rec'd: AUG 14 P.M.

COMPANY NAME: APES, Inc.  
 Address: Po Box 411  
Malvern, AR 72104  
 CONTACT: Tessa Michna  
 Phone/Fax: (501) 844-0918  
 Email: apesconsulting@gmail.com

BILL TO: (If Different Location)  
Pd clt# 1918

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: AHTD - Tract 100X  
 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	8/10/17	L.R. Ceiling	0 N			
2	2		" " Ceiling	Y N			
3	3		LR wall	Y N			
4	4		LR wall	Y N			
5	5		bedroom wall	Y N			
6	6		" " wall	Y N			
7	7		LR floor	Y N			
8	8		LR floor	Y N			
9	9		Kitchen floor	Y N			
10	10		" "	Y N			
11	11		Kitchen ceiling	Y N			
12	12		bedroom ceiling	Y N			
13	13		bedroom ceiling	0 N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: \_\_\_\_\_  
 Sample Collector: (Print) Ron Parker (Signature) [Signature]  
 Relinquished by: [Signature] Date/Time: 8/11/17 Received by: Diana Federico Date/Time: 8/14/17  
 Relinquished by: Diana Federico Date/Time: 8/14/17 Received by: [Signature] Date/Time: 8/14/17  
 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  
**0190249**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD- TRACT 100X  
Address:

Job# / P.O. #: \_\_\_\_\_  
Date Received: 08/14/2017  
Date Analyzed: 08/16/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By: \_\_\_\_\_

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190249-001 1	L.R.	LAYER 1 Ceiling Drywall, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Quartz Carbonates	10% 2%   88%
		LAYER 2 Ceiling Texture, White/ Gray	No	None Detected	Carbonates Mica Quartz Perlite Binder/Filler	    100%
0190249-002 2	L.R.	Ceiling Texture, Lt. Beige/ Black	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Perlite Binder/Filler	1%    99%
0190249-003 3	L.R.	LAYER 1 Wallboard, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Texture/ Paint, Beige/ Gray/ Red	No	None Detected	Cellulose Fiber Carbonates Mica Quartz Binder/Filler	<1%   99%



# EMC LABS, INC.

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

Laboratory Report

0190249

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD- TRACT 100X  
Address:

Job# / P.O. #:  
Date Received: 08/14/2017  
Date Analyzed: 08/16/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190249-004 4	L.R.	LAYER 1 Wallboard, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Quartz Carbonates 88%
		LAYER 2 Joint Compound, White	No	None Detected	Cellulose Fiber <1% Carbonates Mica Quartz Perlite Binder/Filler 99%
		LAYER 3 Tape, Off White	No	None Detected	Cellulose Fiber 95% Carbonates 5%
		LAYER 4 Texture, Beige/ Gray/ Red	No	None Detected	Cellulose Fiber <1% Carbonates Mica Quartz Perlite Binder/Filler 99%
0190249-005 5	BEDRM	LAYER 1 Wallboard, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Quartz Carbonates 88%
		LAYER 2 Texture, White/ Off White	No	None Detected	Carbonates Mica Quartz Perlite Binder/Filler 100%

# 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  
**0190249**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD- TRACT 100X  
Address:

Job# / P.O. #: \_\_\_\_\_  
Date Received: 08/14/2017  
Date Analyzed: 08/16/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190249-006 6	BEDRM	LAYER 1 Wallboard, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Quartz Carbonates 88%
		LAYER 2 Texture/ Paint, White Note: Sample is mainly Paint	No	None Detected	Cellulose Fiber 3% Carbonates Quartz Gypsum Binder/Filler 97%
0190249-007 7	LR	LAYER 1 Floor Linoleum, Brown	No	None Detected	Cellulose Fiber 17% Fibrous Glass 3% Carbonates Quartz Gypsum Binder/Filler 80%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber 5% Fibrous Glass 2% Carbonates Quartz Gypsum Binder/Filler 93%
0190249-008 8	LR	LAYER 1 Floor Linoleum, Brown	No	None Detected	Cellulose Fiber 17% Fibrous Glass 3% Carbonates Quartz Gypsum Perlite Binder/Filler 80%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber 8% Fibrous Glass 2% Carbonates Quartz Gypsum Binder/Filler 90%

# EMC LABS, INC.

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Laboratory Report  
**0190249**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD- TRACT 100X  
Address:

Job# / P.O. #:  
Date Received: 08/14/2017  
Date Analyzed: 08/16/2017  
Date Reported: 08/16/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190249-009 9	KITCHEN	LAYER 1 Floor Linoleum, Off White	No	None Detected	Cellulose Fiber 15% Synthetic Fiber 3% Fibrous Glass 2% Carbonates Quartz Gypsum Binder/Filler 80%
		LAYER 2 Mastic, Tan	No	None Detected	Cellulose Fiber 5% Synthetic Fiber 3% Fibrous Glass 2% Carbonates Quartz Gypsum Binder/Filler 90%
0190249-010 10	KITCHEN	LAYER 1 Floor Linoleum, Off White	No	None Detected	Cellulose Fiber 15% Synthetic Fiber 3% Fibrous Glass 2% Carbonates Quartz Gypsum Binder/Filler 80%
		LAYER 2 Mastic, Tan	No	None Detected	Cellulose Fiber 5% Synthetic Fiber 3% Fibrous Glass 2% Carbonates Quartz Gypsum Binder/Filler 90%

# EMC LABS, INC.

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Laboratory Report  
**0190249**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/16/2017
Collected:	08/10/2017	Date Reported:	08/16/2017
Project Name:	AHTD- TRACT 100X	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190249-011 11	KITCHEN	LAYER 1 Drywall Ceiling, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Ceiling Texture, Off White/ Tan/ Lt. Gray	Yes	Chrysotile 3%	Cellulose Fiber Carbonates Quartz Gypsum Mica Binder/Filler	<1%    96%
0190249-012 12	BEDRM	LAYER 1 Drywall Ceiling, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Ceiling Texture, Off White/ Tan/ Lt. Beige	Yes	Chrysotile 3%	Cellulose Fiber Carbonates Mica Quartz Gypsum Perlite Binder/Filler	<1%    96%
0190249-013 13	BEDRM	LAYER 1 Drywall Ceiling, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates	12%   88%
		LAYER 2 Ceiling Texture, Off White/ Tan/ Black	Yes	Chrysotile 3%	Cellulose Fiber Carbonates Quartz Gypsum Mica Binder/Filler	<1%    96%

# 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  
**0190249**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	APES, INC.	Job# / P.O. #:	
Address:	P. O. BOX 411	Date Received:	08/14/2017
	MALVERN AR 72104	Date Analyzed:	08/16/2017
Collected:	08/10/2017	Date Reported:	08/16/2017
Project Name:	AHTD- TRACT 100X	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RON PARKER
		Collected By:	

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



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

Definitely 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 estimates 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 indicative 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-friable organically bound materials.

# Arkansas Department of Environmental Quality

## ARK. PROFESSIONAL ENVIRONMENTAL SOLUTIONS (APES)

is a licensed

### Asbestos Abatement Consultant

*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director

# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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*

**Air Monitor 6/30/2018**

**Contractor/Supervisor 6/30/2018**

**Inspector 7/31/2018**

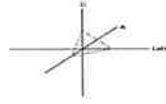


Issue Date: 07-Aug-2017

*Becky W. Keogh*  
Becky W. Keogh  
ADEC Director

**CA Labs**  
Dedicated 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 225-751-5634

## **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 CA0801, Tract 112X  
Reference #: CAL17063855AF

Date: 6/26/2017

#### **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**  
Dedicated 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 225-751-5634

Overview of Project Sample Material Containing Asbestos

Customer Project:		JOB CA0801, Tract 112X		CA Labs Project #:	CAL17063855AF
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types	
CA0801-TR112X-1	1-1	Wall/ white surfaced white compound	2% Chrysotile	white surfaced white compound tan linoleum tan surfaced white compound	
CA0801-TR112X-2	2-1	Wall/ white surfaced white compound	2% Chrysotile		
CA0801-TR112X-3	3-1	Floor/ tan linoleum	20% Chrysotile		
CA0801-TR112X-4	4-1	Ceiling/ tan surfaced white compound	2% 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	
ol - 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.



INSPECTION FLOOR PLAN

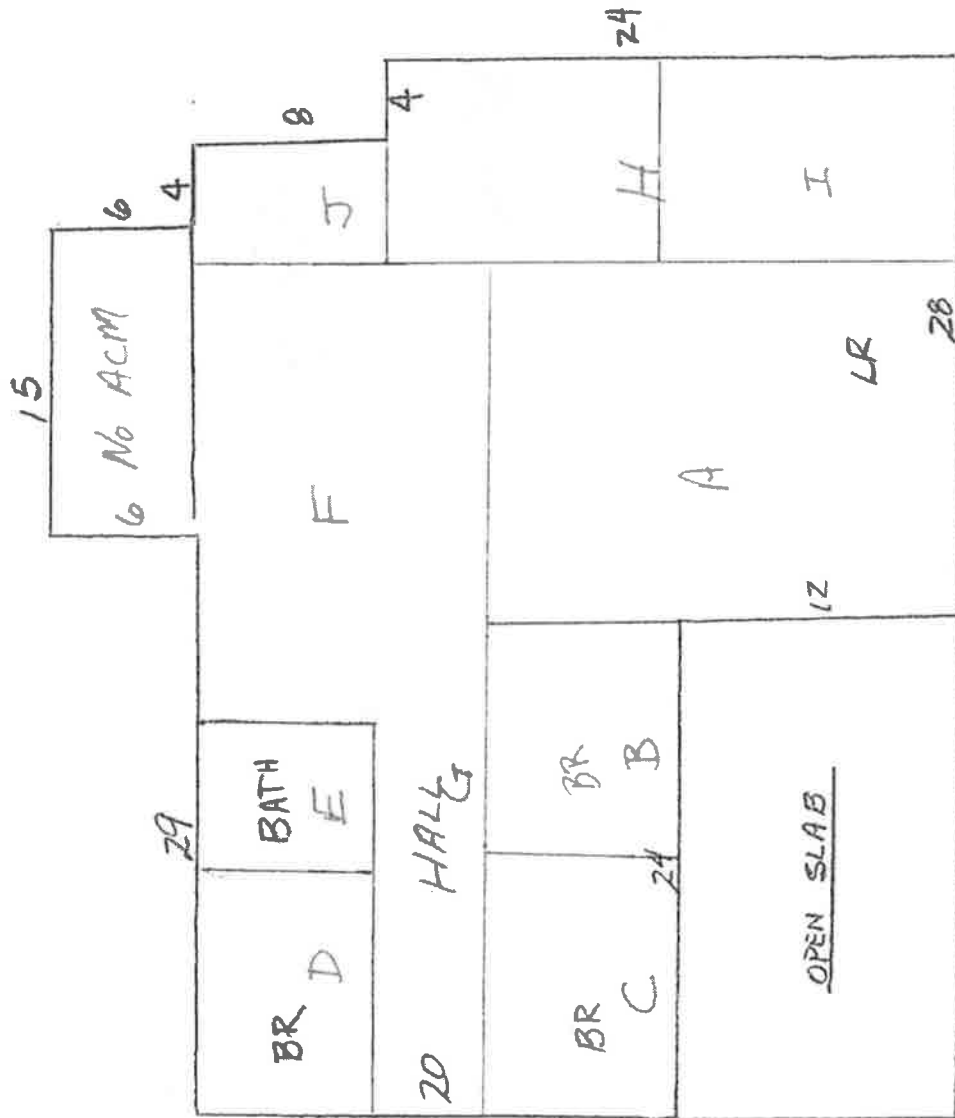
JOB: CA0801  
 TRACT: 112X  
 DATE: 6/8/2017

PROPERTY LOCATION  
 152 Hemming Road  
 Clinton, AR

INSPECTED BY  
 Sherman Whittle (015689)

Sample Number	Description/ Location	Sample Number	Description/ Location
#1	(C) Wall	#11	
#2	(G) Wall	#12	
#3	(F) Floor	#13	
#4	(B) Ceiling	#14	
#5		#15	
#6		#16	
#7		#17	
#8		#18	
#9		#19	
#10		#20	

Homogenous Areas:	
Roofing	Asphalt Shingles
Siding	Wood
Ceilings	A-J Sheet Rock
Walls	B-G Sheet Rock paneling
Floors	F-I Impelium



# *A.P.E.S., Inc.*

## Arkansas Professional Environmental Solutions, Inc. Asbestos Inspection Report

Inspection site:

AHTD Job CA0801  
Hwy. 110-Clinton Widening (S)  
Route 65 Section 7  
Van Buren County  
Tract 134X

Property Owner:

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

Inspection dates: August 10, 2017

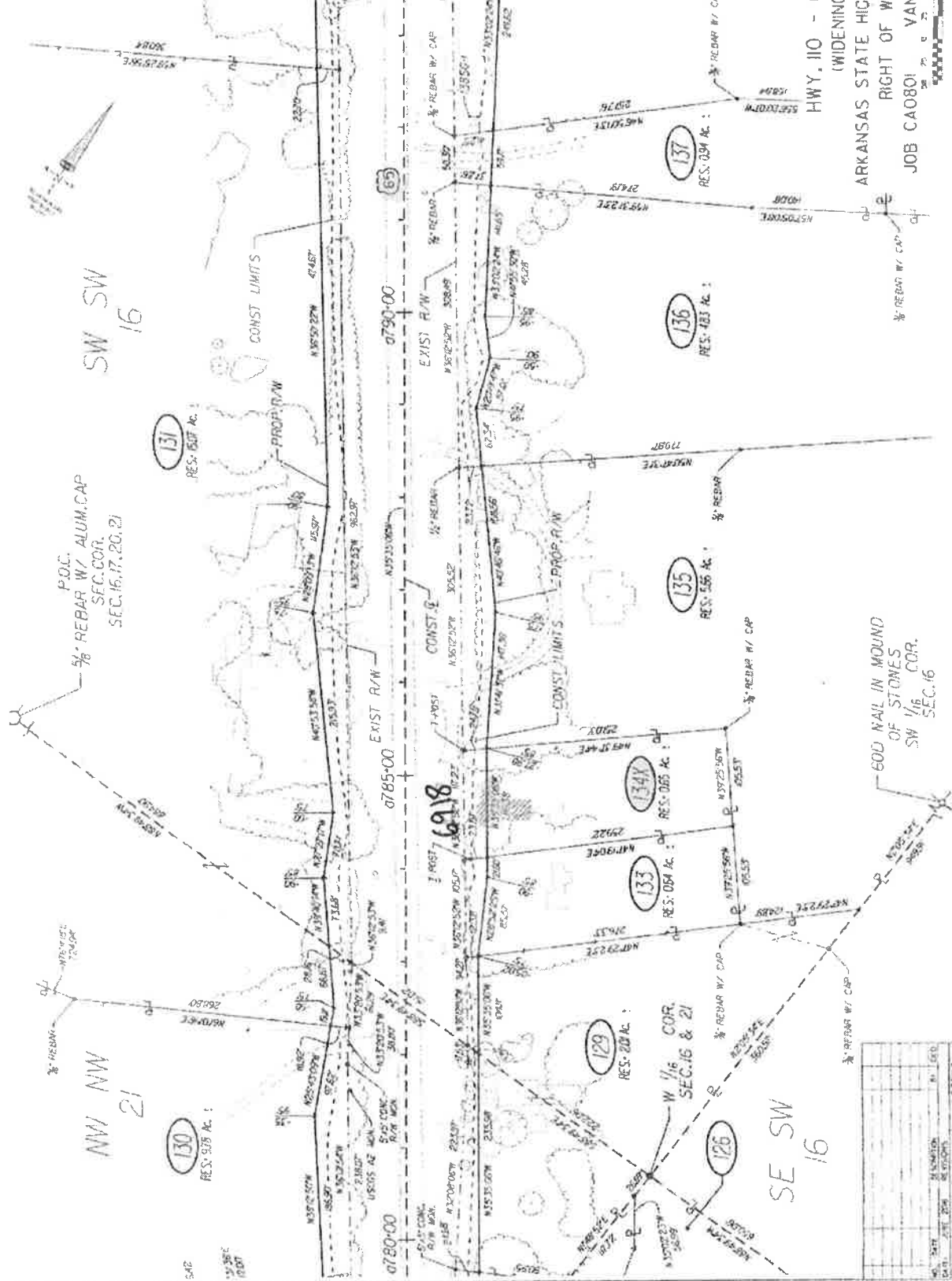
Report date: August 23, 2017

Inspection performed by Ron Parker, ADEQ #000132  
APES, Inc. #000511.

**APES, Inc**  
**ASBESTOS INSPECTION**  
**AHTD Job CA0801**  
**Route 110 - Clinton Widening (S)**  
**Van Buren County**  
**Tract 134X**

Sample #	Layer #	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	% ACM	Condition	Friable	Quantity
#1	#1	Front Door	Linoleum, Beige/Brown	No	NAD	NAD	NAD	NAD	
#1	#2	Front Door	Mastic, Yellow	No	NAD	NAD	NAD	NAD	
#2	#1	Bathroom	Linoleum, White/ Beige	No	NAD	NAD	NAD	NAD	
#2	#2	Bathroom	Mastic, Yellow	No	NAD	NAD	NAD	NAD	
#3	#1	Bathroom	Linoleum, White/ Beige	No	NAD	NAD	NAD	NAD	
#3	#2	Bathroom	Mastic, Yellow	No	NAD	NAD	NAD	NAD	
#4	#1	Wall	Sheetrock, White/ Brown	No	NAD	NAD	NAD	NAD	
#4	#2	Wall	Texture, White / Tan	No	NAD	NAD	NAD	NAD	
#5	#1	Wall	Sheetrock, White/ Brown	No	NAD	NAD	NAD	NAD	
#5	#2	Wall	Texture, White / Tan	No	NAD	NAD	NAD	NAD	
#6	#1	Wall	Sheetrock, White/ Brown	No	NAD	NAD	NAD	NAD	
#6	#2	Wall	Texture, White / Tan	No	NAD	NAD	NAD	NAD	
#7	#1	Exterior	Siding, White/ Brown	No	NAD	NAD	NAD	NAD	
#8	#1	Exterior	Siding, White/ Brown	No	NAD	NAD	NAD	NAD	

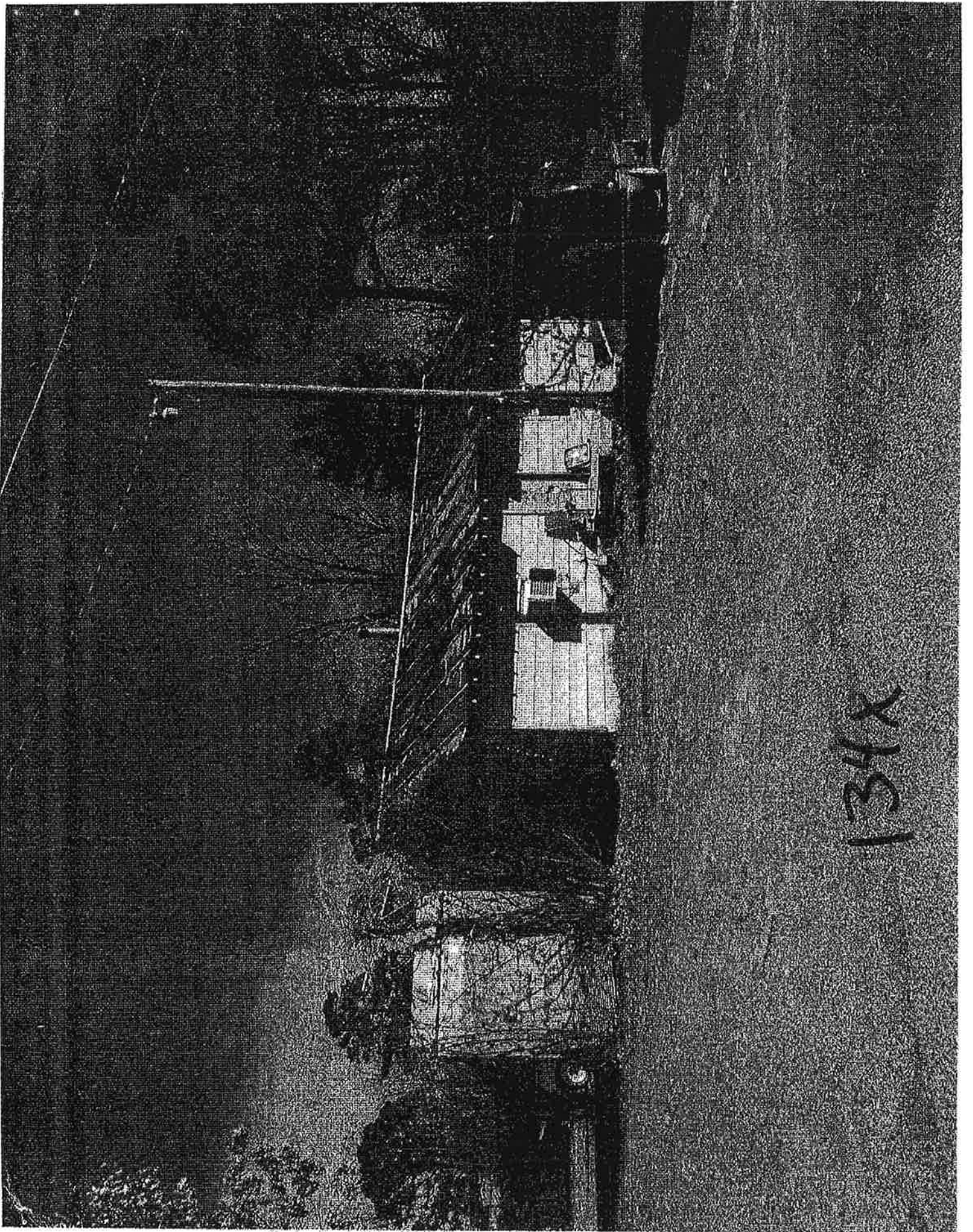
1712-IV: 15544-W



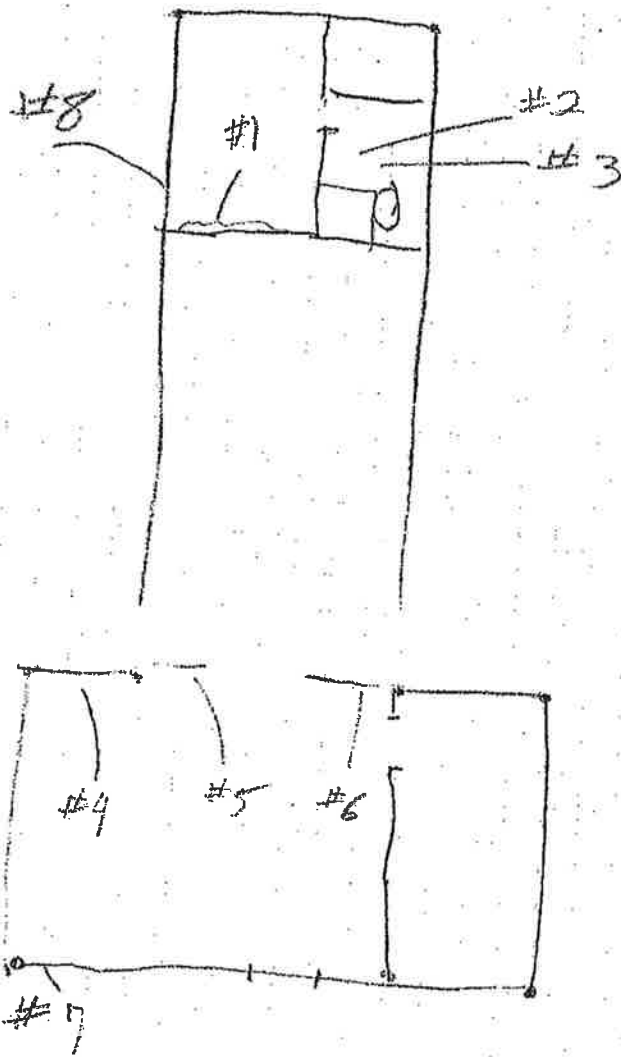
EOD NAIL IN MOUND  
 OF STONES  
 SW 1/16 COR.  
 SEC. 16

DATE	BY	REVISION

SUPP. 16, 17, 20, 21



134X



- Metal Tin Roof
- Plywood - Floors
- OSB - Floors
- OSB - ceilings
- OSB
- Plywood
- Paneling } walls
- Sheet rock wall (1)
- Living Rm Only
- Lino Lam bath room
- floor \$1-40
- Lino Lam
- Floor bedroom  $\leq 1$

134X



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

LAB#: 190245  
 TAT: 1-2 day  
 Rec'd: AUG 14 P.M.

COMPANY NAME: APES, Inc.  
 Address: PO Box 411  
Malvern, AR 72104  
 CONTACT: Tessa Michna  
 Phone/Fax: (501) 844-0918  
 Email: apesconsulting@gmail.com

BILL TO: (If Different Location)  
PO Box # 1918

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: AHTD Tract 134X  
 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	8/10/17	linoleum at front door	Y N			
2	#2		linoleum bath	Y N			
3	#3		linoleum	Y N			
4	#4		sheet rock wall	Y N			
5	#5		" " "	Y N			
6	#6		" " "	Y N			
7	#7		Siding	Y N			
8	#8		Siding	Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: \_\_\_\_\_  
 Sample Collector: (Print) Jon Parker (Signature) [Signature]  
 Relinquished by: [Signature] Date/Time: 8/11/17 Received by: Diana Federico Date/Time: 8/14/17  
 Relinquished by: Diana Federico Date/Time: 8/14/17 Received by: [Signature] Date/Time: 8-14-17  
 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  
**0190245**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD TRACT. 134X  
Address:

Job# / P.O. #:  
Date Received: 08/14/2017  
Date Analyzed: 08/15/2017  
Date Reported: 08/15/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0190245-001 #1	AT FRONT DOOR	LAYER 1 Linoleum, Beige/Brown	No	None Detected	Cellulose Fiber 15% Fibrous Glass 3% Wollastonite 2% Carbonates Gypsum Binder/Filler 80%
		LAYER 2 Mastic, Yellow	No	None Detected	Cellulose Fiber 5% Fibrous Glass 1% Quartz Gypsum Binder/Filler 94%
0190245-002 #2	BATH	LAYER 1 Linoleum, White/ Beige	No	None Detected	Cellulose Fiber 17% Fibrous Glass 3% Carbonates Gypsum Binder/Filler 80%
		LAYER 2 Mastic, Yellow Note: Difficult to separate adjacent layer	No	None Detected	Cellulose Fiber 5% Quartz Carbonates Binder/Filler 95%
0190245-003 #3		LAYER 1 Linoleum, White/ Beige	No	None Detected	Cellulose Fiber 18% Fibrous Glass 2% Carbonates Gypsum Binder/Filler 80%
		LAYER 2 Mastic, Yellow Note: Difficult to separate adjacent layer	No	None Detected	Cellulose Fiber 5% Quartz Carbonates Binder/Filler 95%

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Laboratory Report  
**0190245**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD TRACT. 134X  
Address:

Job# / P.O. #:  
Date Received: 08/14/2017  
Date Analyzed: 08/15/2017  
Date Reported: 08/15/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190245-004 #4		LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2%    88%
		LAYER 2 Texture, White / Tan	No	None Detected	Cellulose Fiber Carbonates Gypsum Perlite Mica Binder/Filler	3%     97%
0190245-005 #5		LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2%    88%
		LAYER 2 Texture, White / Tan	No	None Detected	Carbonates Gypsum Perlite Mica Binder/Filler	    100%
0190245-006 #6		LAYER 1 Sheetrock, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2%    88%
		LAYER 2 Texture, White / Tan	No	None Detected	Carbonates Gypsum Perlite Mica Binder/Filler	    100%

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Laboratory Report  
**0190245**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: APES, INC.  
Address: P. O. BOX 411  
MALVERN AR 72104  
Collected: 08/10/2017  
Project Name: AHTD TRACT. 134X  
Address:

Job# / P.O. #: \_\_\_\_\_  
Date Received: 08/14/2017  
Date Analyzed: 08/15/2017  
Date Reported: 08/15/2017  
EPA Method: EPA 600/R-93/116  
Submitted By: RON PARKER  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0190245-007 #7		Siding, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Binder/Filler	95% 5%
0190245-008 #8		Siding, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Binder/Filler	95% 5%

  
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 indicative 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-friable organically bound materials.

# Arkansas Department of Environmental Quality

## ARK. PROFESSIONAL ENVIRONMENTAL SOLUTIONS (APES)

is a licensed

**Asbestos Abatement Consultant**

*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: 000511

Issue Date: 2017 February 03

Expire Date: 2018 February 03

*Becky W. Keogh*

Becky W. Keogh  
ADEQ Director

# Arkansas Department of Environmental Quality

**000132 RON W. PARKER**

*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*

Air Monitor 6/30/2018  
Contractor/Supervisor 6/30/2018  
Inspector 7/31/2018



Issue Date: 07-Aug-2017

*Becky W. Keogh*  
Becky W. Keogh  
ADEQ Director

INSPECTION FORM / FLOOR PLAN

<u>JOB:</u>	<u>CA0801</u>	<u>PROPERTY LOCATION</u>	<u>INSPECTED BY</u>
<u>TRACT:</u>	<u>141X</u>	<u>1+S- Stucco building</u>	<u>Sherman Whittle - 015689</u>
<u>DATE:</u>	<u>8/29/2017</u>	<u>Watergate Road and Hwy 65 North</u>	
		<u>Clinton, AR</u>	

Sample Number	Description/ Locaton	Sample Number	Description/ Location
#1		#11	
#2		#12	
#3		#13	
#4		#14	
#5		#15	
#6		#16	
#7		#17	
#8		#18	
#9		#19	
#10		#20	

Homogenous Areas:	
Roofing	Asphalt shingles
Siding	Stucco
Ceilings	Sheetrock
Walls	Sheetrock
Floors	9 inch tiles over concrete

On 8/29/2017, I performed an inspection on a 1+S-Stucco building located at the above address. The inspection was conducted to determine if there were any suspected asbestos containing materials in or on the building. The inspection encompassed the entire 1,250SF facility. The entire facility was in poor condition. The building materials included: asphalt shingles, nine inch tiles, concrete, sheetrock, and wood. All building materials were in poor condition. Due to the poor condition of the building, it would be unsafe for asbestos abatement. No samples were collected. Sheetrock, stucco material, and the nine inch tiles were identified as possible ACM. All building materials will be treated as if they were asbestos containing materials during the demolition of the building.







1911x



141x

INSPECTION FORM / FLOOR PLAN

JOB:	CA0801	PROPERTY LOCATION	INSPECTED BY
TRACT:	146X	1+S- Wood frame building	Sherman Whittle - 015689
DATE:	8/29/2017	7519 Hwy 65 North	
		Clinton, AR	

Sample Number	Description/ Locaton	Sample Number	Description/ Location
#1		#11	
#2		#12	
#3		#13	
#4		#14	
#5		#15	
#6		#16	
#7		#17	
#8		#18	
#9		#19	
#10		#20	

Homogenous Areas:	
Roofing	Asphalt shingles
Siding	Wood
Ceilings	Wood
Walls	Wood
Floors	Carpet over concrete

On 8/29/2017, I performed an inspection on a 1+S-Frame building located at the above address. The inspection was conducted to determine if there were any suspected asbestos containing materials in or on the building. The inspection encompassed the entire 450SF facility. The floor, walls, and roof appeared to be in good condition. The building materials included: asphalt shingles, concrete, carpet, and wood. All building materials appeared to be in good condition. There was no suspected asbestos containing materials identified during the inspection. No samples were collected.

















































146x

146x



**RIGHT OF WAY SIGNS AND SYMBOLS**

-  SECTION CORNER
-  QUARTER CORNER
-  QUARTER QUARTER CORNER
-  SECTION CENTER
-  STATE LINE OR CITY LIMITS
-  COUNTY LINE
-  TOWNSHIP LINE
-  QUARTER SECTION LINE
-  PROPERTY LINE
-  EXISTING R/W LINE
-  PROPOSED R/W LINE
-  EXISTING CONTROL OF ACCESS
-  PROPOSED CONTROL OF ACCESS
-  PROPOSED R/W & CONTROL OF ACCESS
-  EXISTING R/W DIMENSION
-  PROPOSED R/W DIMENSION
-  TEMPORARY & PERMANENT EASEMENT LINE
-  EXISTING BRIDGE OR SEPARATION STRUCTURE
-  PROPOSED BRIDGE OR SEPARATION STRUCTURE
-  EXISTING CULVERT
-  RAILROAD
-  PAVED ROADS
-  GRAVEL ROAD
-  DRIVEWAY
-  FENCE
-  CONSTRUCTION LIMITS
-  LEVEE
-  TRAIL
-  RESIDENTIAL & COMMERCIAL BUILDING
-  HEDGE ROW
-  SMALL STREAM
-  LARGE STREAM
-  POND OR LAKE
-  TELEPHONE POLES
-  POWER POLES
-  TRANSMISSION LINES
-  TREES
-  DECIDUOUS WOODS
-  EVERGREEN WOODS
-  SET AND TO R/W MONUMENT
-  TEMPORARY EASEMENT POINT
-  PERMANENT EASEMENT POINT
-  EXISTING R/W POINT
-  PROPERTY LINE POINT
-  FOUND MONUMENT
-  SURVEY CALCULATED POINT

STATE OF ARKANSAS  
STATE HIGHWAY COMMISSION

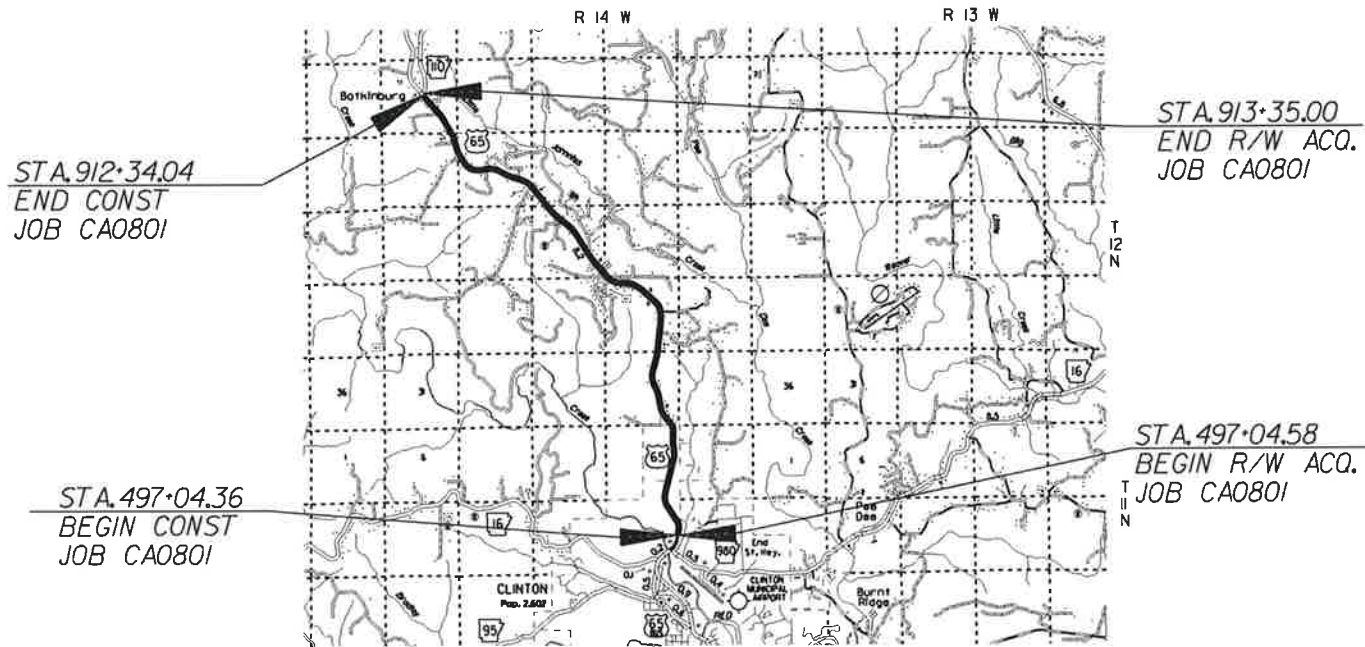


RIGHT OF WAY MAP  
HWY. 110 - CLINTON

(WIDENING) (S)

VAN BUREN COUNTY  
ROUTE 65 SECTION 7  
JOB CA0801

LAYOUT  
NOT TO SCALE

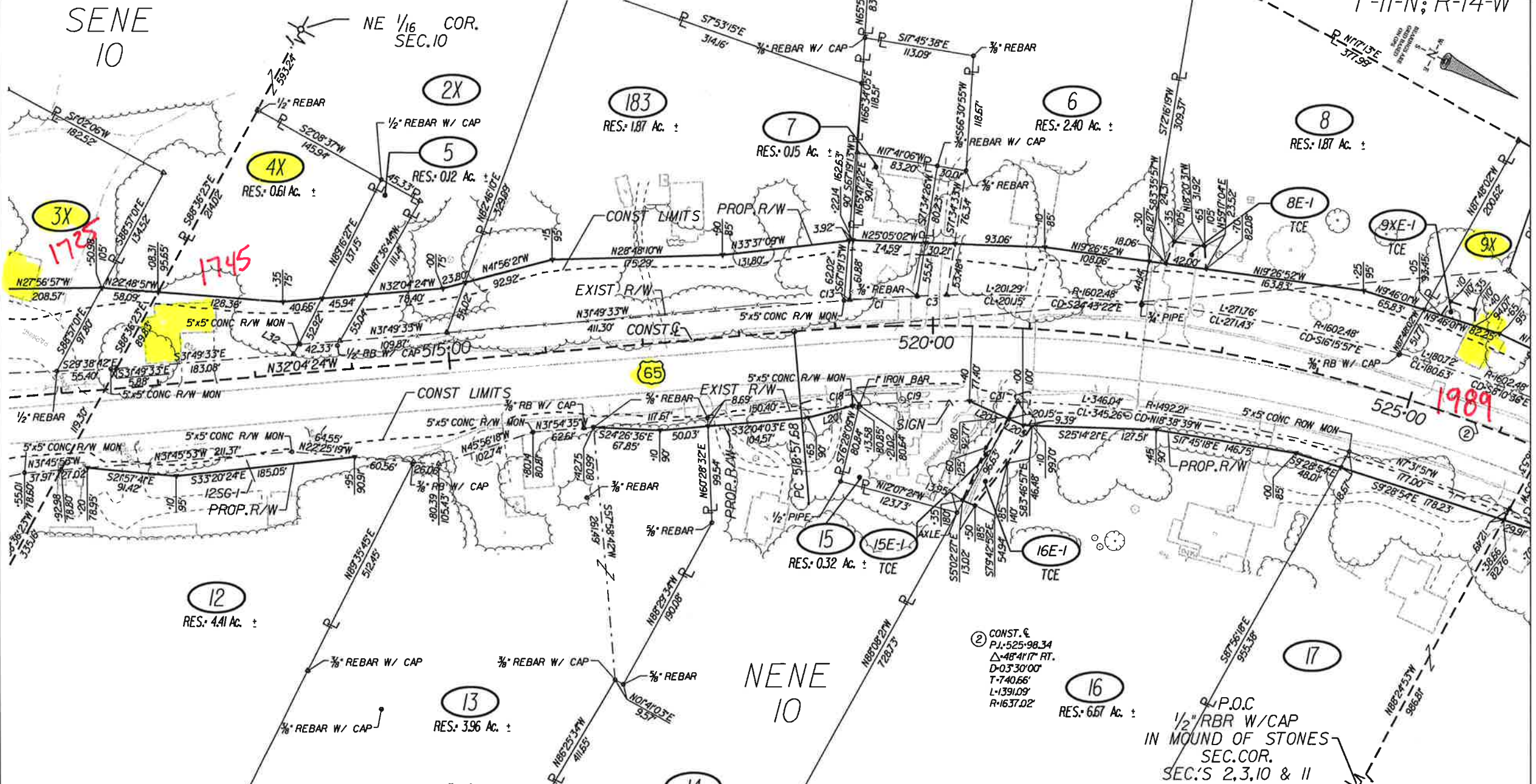


CA0801

SENE  
10

NE 1/16 COR.  
SEC. 10

1-11-N; R-14-W



12  
RES: 4.41 Ac. ±

13  
RES: 3.96 Ac. ±

14  
RES: 3.83 Ac. ±

16  
RES: 6.67 Ac. ±

P.O.C  
1/2" RBR W/CAP  
IN MOUND OF STONES  
SEC. COR.  
SEC. S 2, 3, 10 & 11

HWY. 110 - CLINTON  
(WIDENING) (S)

ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CA0801 VAN BUREN COUNTY

Name	Line Length	Table	Direction
L32	11.71'	S 89° 37' 20"	MINIMUM
L201	46.95'	S 42° 12' 22"	MINIMUM
L203	44.87'	S 50° 51' 50"	MINIMUM
L205	16.20'	S 2° 55' 50"	MINIMUM

Name	Radius	Arc Length	Chord Length	Chord Direction
C1	1602.48'	69.43'	69.42'	S 30° 39' 11"
C103	1602.48'	30.51'	30.51'	S 28° 51' 59"
C103	1602.48'	5.58'	5.58'	S 31° 53' 38"
C19	1492.21'	7.07'	7.07'	S 43° 12' 12"
C19	1492.21'	113.29'	113.26'	S 24° 33' 24"
C31	1492.21'	50.71'	50.70'	S 26° 15' 34"

NO.	DATE	DESCRIPTION	BY	CHK'D
3	06/08/17	ADDED BEARINGS & DISTANCES TO TCE 16E-1	WHK	AJR
2	04/04/17	ADDED BEARINGS & DISTANCES TO TCE 8E-1	WHK	AJR
1	03/21/17	REV. TCE 9XE-1	WHK	AJR

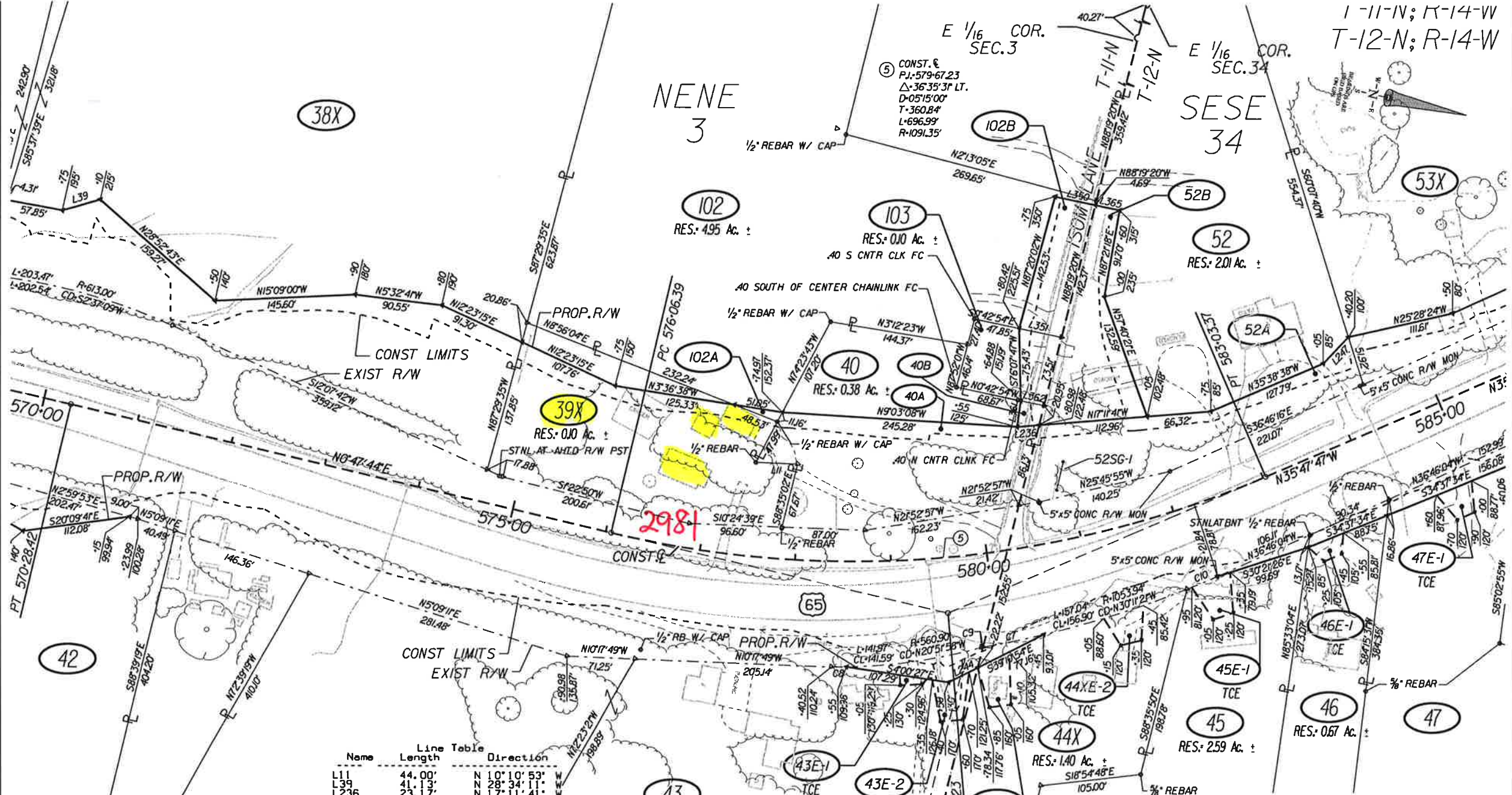
DATE: FEB. 2016 REVISIONS



1-11-N; R-14-W  
T-12-N; R-14-W

NENE  
3

SESE  
34



Name	Line Length	Direction
L11	44.00'	N 10° 10' 53"
L39	41.13'	N 28° 34' 11"
L236	23.17'	N 17° 11' 41"
L244	33.85'	S 39° 10' 54"
L247	38.26'	S 58° 52' 40"
L350	42.82'	S 0° 40' 02"
L351	45.29'	S 85° 13' 25"
L361	27.57'	S 0° 42' 54"
L362	29.05'	S 0° 40' 02"
L365	25.64'	S 0° 40' 02"

Name	Radius	Arc Length	Chord Length	Chord Direction
C7	1053.94'	64.85'	64.84'	N 24° 09' 28"
C8	560.90'	15.94'	15.94'	N 12° 48' 02"
C9	1053.94'	1.74'	1.74'	S 22° 20' 52"
C10	1053.94'	14.30'	14.30'	S 35° 31' 24"

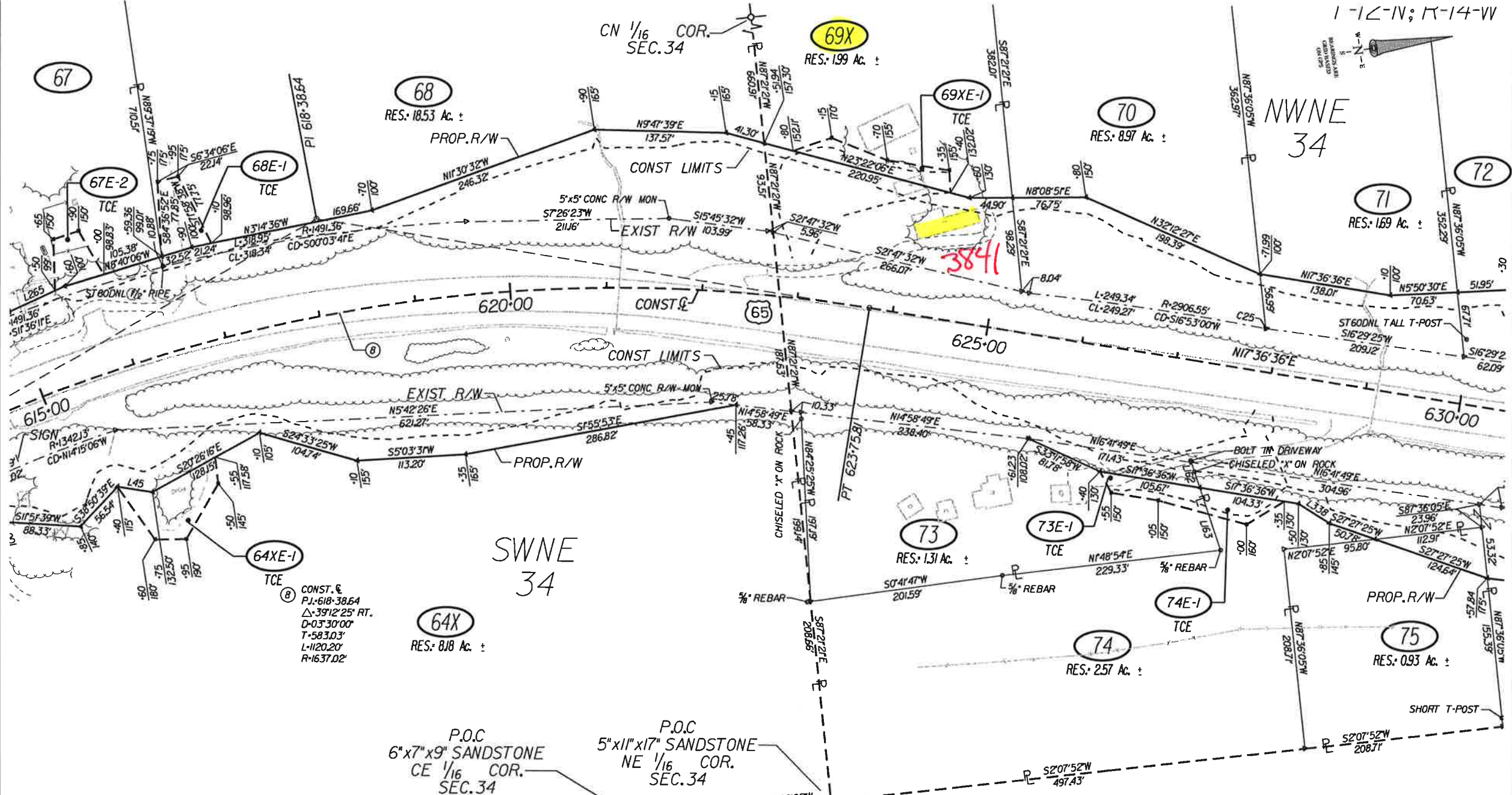
P.O.C  
ST60DNL AT BENT 1/2" PIPE  
SEC.COR.  
SEC.'S 2 & 3

SEC.COR.  
SEC.'S 34 & 35

HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CA0801 VAN BUREN COUNTY







NWNE  
34

SWNE  
34

HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CA0801 VAN BUREN COUNTY

CN 1/16 COR.  
SEC. 34  
69X  
RES.: 199 Ac. ±

68  
RES.: 18.53 Ac. ±

70  
RES.: 8.97 Ac. ±

71  
RES.: 1.69 Ac. ±

72

73  
RES.: 1.31 Ac. ±

73E-1  
TCE

74E-1  
TCE

74  
RES.: 2.57 Ac. ±

75  
RES.: 0.93 Ac. ±

68E-1  
TCE

67E-2  
TCE

64XE-1  
TCE

64X  
RES.: 8.18 Ac. ±

CONST. &  
P.I. 618-38.64  
Δ-3912.25' RT.  
D-0.330'00"  
T-583.03'  
L-1120.20'  
R-1637.02'

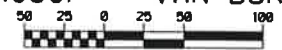
P.O.C  
6"x7"x9" SANDSTONE  
CE 1/16 COR.  
SEC. 34

P.O.C  
5"x11"x17" SANDSTONE  
NE 1/16 COR.  
SEC. 34

Name	Line Length	Table Direction
L45	36.78'	S 17° 22' 52" W
L162	27.94'	N 79° 47' 37" W
L163	68.69'	N 79° 47' 37" W
L265	63.77'	N 16° 29' 24" W
L338	38.08'	S 40° 48' 31" W

Name	Radius	Arc Length	Chord Length	Chord Direction
C25	2906.55'	0.89'	0.89'	S 18° 53' 37" W

NO.	DATE	DESCRIPTION	BY	CHK'D
1	02/15/17	Added Bearings & Distances to TCE	WHK	AJR
		68E-1		
	FEB. 2016	REVISIONS		



1-12-N; R-14-W

NWNW  
27

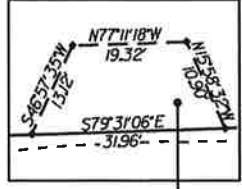
3/8" REBAR W/ CAP  
N 1/16 COR.  
SEC'S 27 & 28

NENE  
28

SESE  
21

SWSW  
22

3/8" REBAR W/ CAP  
INSET B  
NOT TO SCALE



99  
RES.: 11.35 Ac. ±

101  
RES.: 7.50 Ac. ±

100X  
RES.: 1.11 Ac. ±

98  
RES.: 0.16 Ac. ±

97  
RES.: 0.99 Ac. ±

97E-1  
TCE

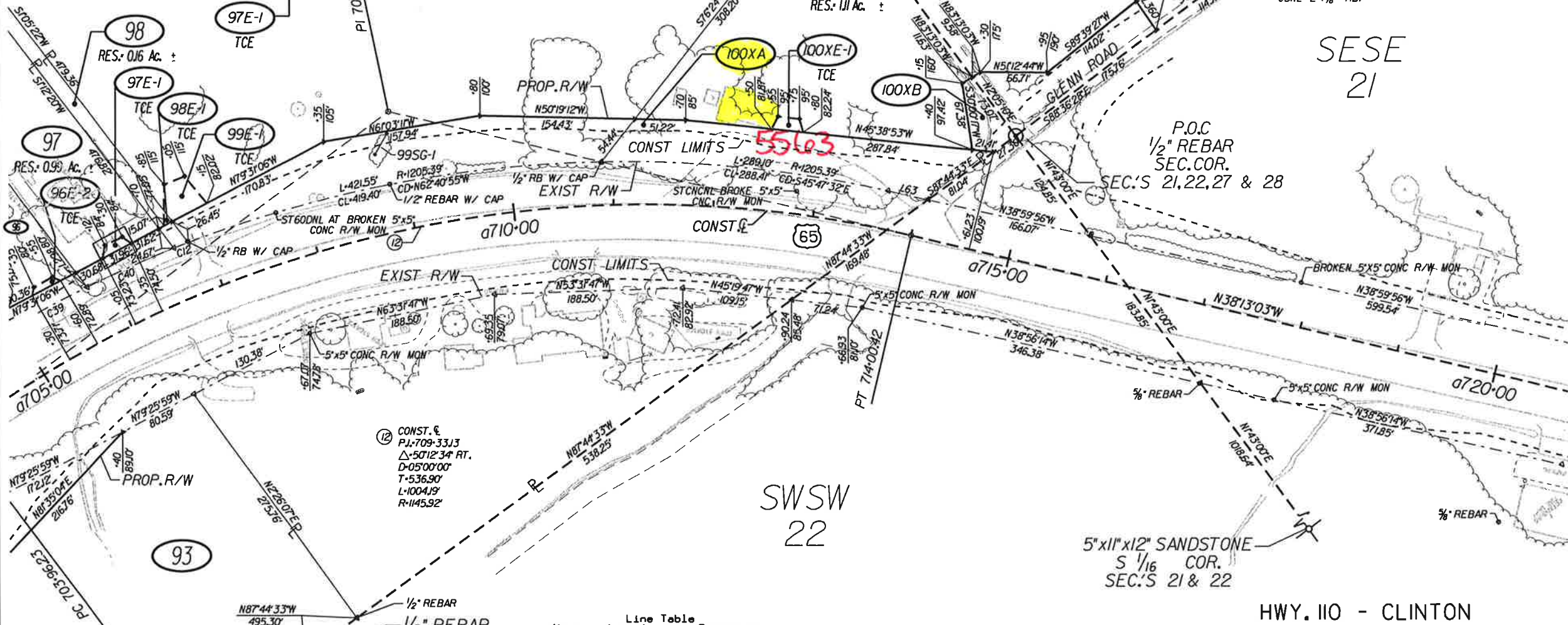
97E-1  
TCE

98E-1  
TCE

99E-1  
TCE

96E-2  
TCE

12  
CONST. E  
P.I.: 709-33J3  
Δ: 50°12'34" RT.  
D: 05°00'00"  
T: 536.90'  
L: 1004.19'  
R: 1145.92'



NO.	DATE	DESCRIPTION	BY	CHK'D
2	07/05/17	ADDED BEARINGS & DISTANCES TO TR. 97E-1	DS	AJR
1	09/30/16	DELETED TCE'S 100XE-2 & 101E-4 WHK	AJR	
		REV. ATA TR'S 100X & 101		
DATE:	FEB. 2016	REVISIONS		

Name	Length	Direction
L63	40.93'	S 38° 59' 56"
L296	19.19'	S 1° 37' 36"
L298	18.22'	N 22° 34' 11"
L360	35.14'	N 4° 03' 22"

Name	Radius	Arc Length	Chord Length	Chord Direction
C12	1205.39'	15.51'	15.51'	N 73° 04' 09"
C39	1205.39'	90.25'	90.23'	S 80° 07' 45"
C40	1205.39'	95.65'	95.62'	S 75° 42' 40"

HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CA0801 VAN BUREN COUNTY

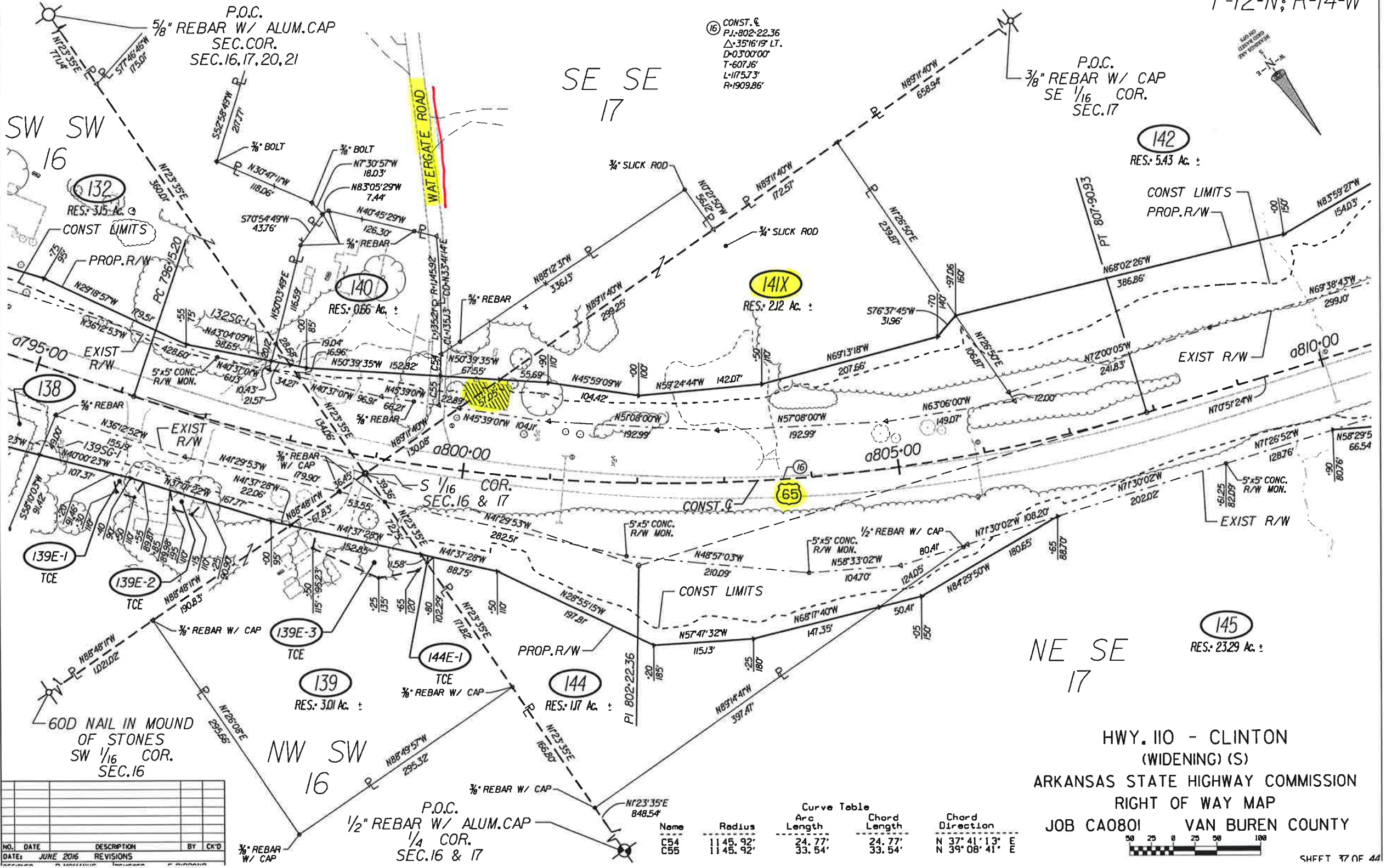






SE SE 17

NE SE 17



P.O.C.  
 5/8" REBAR W/ ALUM. CAP  
 SEC. COR.  
 SEC. 16, 17, 20, 21

(16) CONST. &  
 P.I. 802-22.36  
 Δ 35°16'19" LT.  
 D=03°00'00"  
 T=607.16'  
 L=1175.73'  
 R=1909.86'

P.O.C.  
 3/8" REBAR W/ CAP  
 SE 1/16 COR.  
 SEC. 17

(142)  
 RES.: 5.43 Ac. ±

(141X)  
 RES.: 2.12 Ac. ±

(140)  
 RES.: 0.66 Ac. ±

(145)  
 RES.: 23.29 Ac. ±

(139)  
 RES.: 3.01 Ac. ±

(144)  
 RES.: 1.17 Ac. ±

(139E-1)  
 TCE

(139E-2)  
 TCE

(139E-3)  
 TCE

NO.	DATE	DESCRIPTION	BY	CHK'D

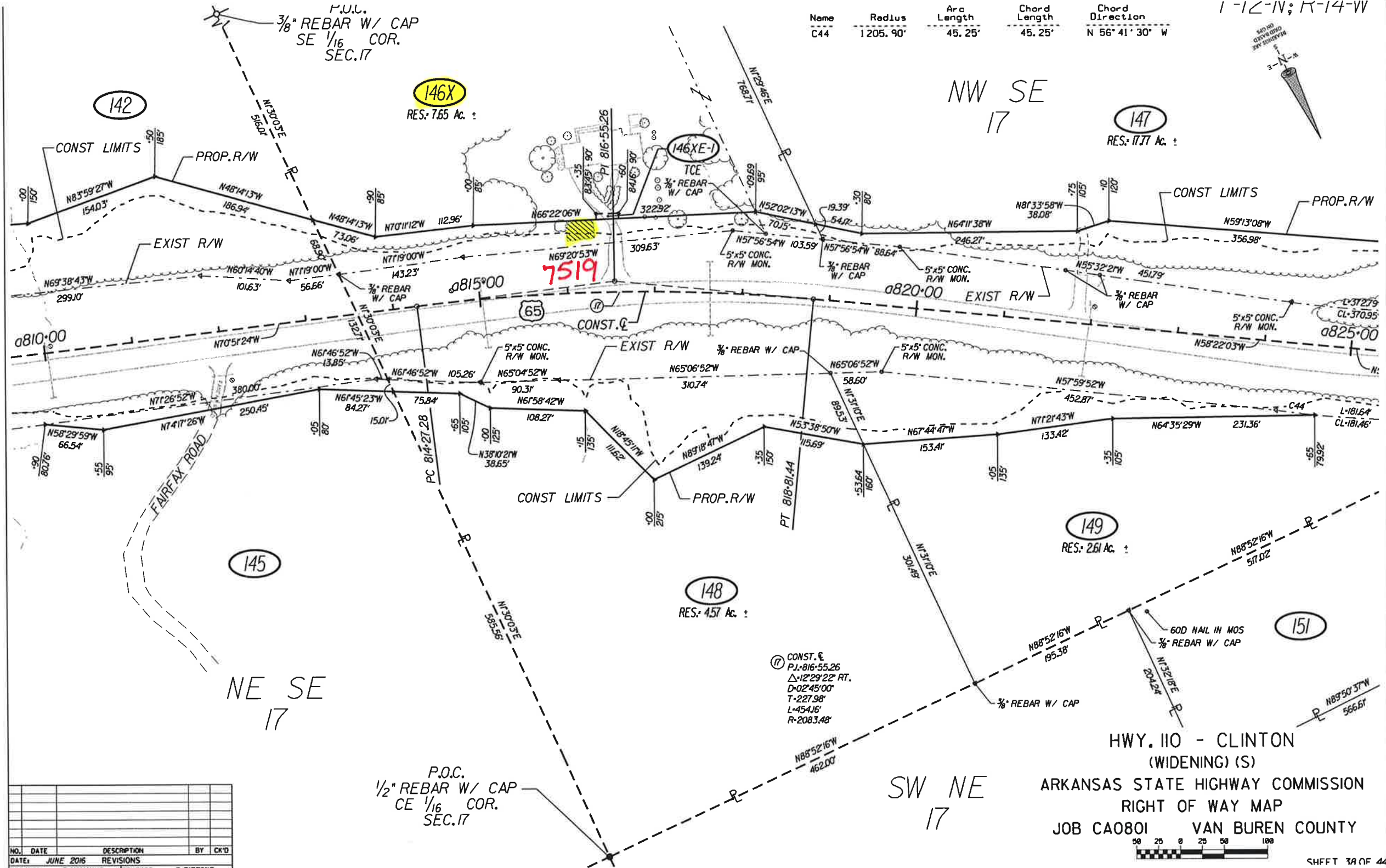
P.O.C.  
 1/2" REBAR W/ ALUM. CAP  
 1/4 COR.  
 SEC. 16 & 17

Name	Radius	Arc Length	Chord Length	Chord Direction
C54	1145.92'	24.77'	24.77'	N 37° 41' 13" E
C55	1145.92'	33.54'	33.54'	N 39° 08' 41" E

HWY. 110 - CLINTON  
 (WIDENING) (S)  
 ARKANSAS STATE HIGHWAY COMMISSION  
 RIGHT OF WAY MAP  
 JOB CA0801 VAN BUREN COUNTY



Name	Radius	Arc Length	Chord Length	Chord Direction
C44	1205.90'	45.25'	45.25'	N 56° 41' 30" W



NO.	DATE	DESCRIPTION	BY	CK'D

P.O.C.  
1/2" REBAR W/ CAP  
CE 1/16 COR.  
SEC. 17

CONST. &  
P.J.-816-55.26  
Δ=12°29'22" RT.  
D=02'45" 00"  
T=227.98'  
L=454.16'  
R=2083.48'

HWY. 110 - CLINTON  
(WIDENING) (S)  
ARKANSAS STATE HIGHWAY COMMISSION  
RIGHT OF WAY MAP  
JOB CA0801 VAN BUREN COUNTY

